

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057555.D
 Acq On : 29 Aug 2019 17:29
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:38:44 AM

Quant Time: Aug 29 17:51:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 17:26:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	607800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	945705	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	923994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	535084	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	1277417	121.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	243.96%	
35) Dibromofluoromethane	7.58	113	1186269	174.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	349.18%	
50) Toluene-d8	10.08	98	3927484	152.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.68%	
62) 4-Bromofluorobenzene	12.40	95	1684278	192.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	385.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	1035265	145.899	ug/l	96
3) Chloromethane	2.05	50	874115	89.879	ug/l	97
4) Vinyl Chloride	2.18	62	1300392	107.471	ug/l	100
5) Bromomethane	2.52	94	1189543	149.533	ug/l	99
6) Chloroethane	2.68	64	796627	101.430	ug/l	97
7) Trichlorofluoromethane	3.00	101	2580940	130.784	ug/l	100
8) Diethyl Ether	3.40	74	825853	113.555	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.73	101	1507390	135.976	ug/l #	83
10) Methyl Iodide	3.93	142	2608293	251.881	ug/l	92
11) Tert butyl alcohol	4.81	59	657085	519.339	ug/l	96
12) 1,1-Dichloroethene	3.71	96	1453863	136.398	ug/l #	73
13) Acrolein	3.59	56	502742	457.915	ug/l	97
14) Allyl chloride	4.30	41	1147915	81.367	ug/l #	85
15) Acrylonitrile	4.97	53	1718060	503.527	ug/l	98
16) Acetone	3.81	43	2379747	470.414	ug/l	94
17) Carbon Disulfide	4.02	76	2244263	116.545	ug/l	99
18) Methyl Acetate	4.31	43	777465	65.007	ug/l #	80
19) Methyl tert-butyl Ether	5.03	73	3118179	125.894	ug/l #	88
20) Methylene Chloride	4.53	84	1009414	126.780	ug/l #	75
21) trans-1,2-Dichloroethene	5.01	96	1055012	143.363	ug/l #	76
22) Diisopropyl ether	5.94	45	2639393	94.832	ug/l #	91
23) Vinyl Acetate	5.88	43	8525650	390.179	ug/l #	58
24) 1,1-Dichloroethane	5.83	63	1736173	114.402	ug/l	96
25) 2-Butanone	6.83	43	2186843	434.474	ug/l #	76
26) 2,2-Dichloropropane	6.81	77	1793742	132.596	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	1275015	145.525	ug/l	78
28) Bromochloromethane	7.18	49	729551	93.162	ug/l #	33
29) Tetrahydrofuran	7.20	42	1350608	410.959	ug/l #	67
30) Chloroform	7.36	83	2143801	131.793	ug/l	99
31) Cyclohexane	7.64	56	1480425	103.214	ug/l #	76
32) 1,1,1-Trichloroethane	7.55	97	2055613	151.041	ug/l #	92
36) 1,1-Dichloropropene	7.78	75	1520867	153.446	ug/l	93
37) Ethyl Acetate	6.92	43	915775	99.986	ug/l #	90
38) Carbon Tetrachloride	7.76	117	1837412	180.945	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1954771	164.428	ug/l #	82
40) Benzene	8.03	78	4217793	141.476	ug/l #	90
41) Methacrylonitrile	7.16	41	448503	103.519	ug/l #	86
42) 1,2-Dichloroethane	8.11	62	1538598	135.876	ug/l	95
43) Isopropyl Acetate	8.16	43	1780265	105.382	ug/l #	88
44) Trichloroethene	8.83	130	1363947	197.383	ug/l	83
45) 1,2-Dichloropropane	9.11	63	1049425	128.617	ug/l	99
46) Dibromomethane	9.20	93	856140	158.735	ug/l #	84
47) Bromodichloromethane	9.40	83	1801123	161.428	ug/l	99
48) Methyl methacrylate	9.19	41	810656	101.517	ug/l #	75
49) 1,4-Dioxane	9.20	88	331860	3035.337	ug/l #	69
51) 4-Methyl-2-Pentanone	9.98	43	3989155	425.147	ug/l #	69
52) Toluene	10.15	92	3018611	171.068	ug/l	75
53) t-1,3-Dichloropropene	10.38	75	1845863	159.215	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1961229	152.599	ug/l #	82
55) 1,1,2-Trichloroethane	10.56	97	1213970	170.930	ug/l	94
56) Ethyl methacrylate	10.43	69	1635550	152.032	ug/l #	76
57) 1,3-Dichloropropane	10.71	76	1860268	154.257	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	2218834	872.326	ug/l #	77
59) 2-Hexanone	10.75	43	3140565	487.048	ug/l	76
60) Dibromochloromethane	10.90	129	1566960	204.212	ug/l	99
61) 1,2-Dibromoethane	11.00	107	1329608	188.976	ug/l	97
64) Tetrachloroethene	10.63	164	1310273	188.585	ug/l	94
65) Chlorobenzene	11.43	112	3262855	165.621	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.51	131	1453639	191.351	ug/l	97
67) Ethyl Benzene	11.51	91	4317451	115.335	ug/l #	44
68) m/p-Xylenes	11.62	106	4232619	325.386	ug/l #	50
69) o-Xylene	11.95	106	2380494	185.528	ug/l	62
70) Styrene	11.96	104	3568521	175.407	ug/l	93
71) Bromoform	12.13	173	1143544	221.598	ug/l #	99
73) Isopropylbenzene	12.25	105	4419491	73.864	ug/l #	68
74) N-amyl acetate	12.07	43	1601693	62.545	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.51	83	1504253	87.657	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1286701m	96.977	ug/l	
77) Bromobenzene	12.53	156	1698280	139.743	ug/l	63
78) n-propylbenzene	12.59	91	4539661	72.058	ug/l #	60
79) 2-Chlorotoluene	12.68	91	3538765	94.262	ug/l	74
80) 1,3,5-Trimethylbenzene	12.73	105	4047161	85.399	ug/l	71
81) trans-1,4-Dichloro-2-buten	12.30	75	487272	96.616	ug/l	85
82) 4-Chlorotoluene	12.77	91	3629521m	101.146	ug/l	
83) tert-Butylbenzene	12.99	119	3882654	91.696	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	3987377	94.839	ug/l	72
85) sec-Butylbenzene	13.17	105	4313335	83.578	ug/l #	72
86) p-Isopropyltoluene	13.29	119	4108616	96.461	ug/l #	81
87) 1,3-Dichlorobenzene	13.29	146	2789720	156.198	ug/l	94
88) 1,4-Dichlorobenzene	13.36	146	2733620	157.005	ug/l	93
89) n-Butylbenzene	13.62	91	3561187	100.938	ug/l #	76
90) Hexachloroethane	13.88	117	1088613	112.835	ug/l	80
91) 1,2-Dichlorobenzene	13.66	146	2668779	156.676	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.27	75	266097	96.334	ug/l #	55

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QLast Update : Thu Aug 29 17:26:16 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1362603	218.703	ug/l	98
94) Hexachlorobutadiene	15.01	225	785554	147.898	ug/l	99
95) Naphthalene	15.13	128	3244395	160.659	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	1333449	206.572	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

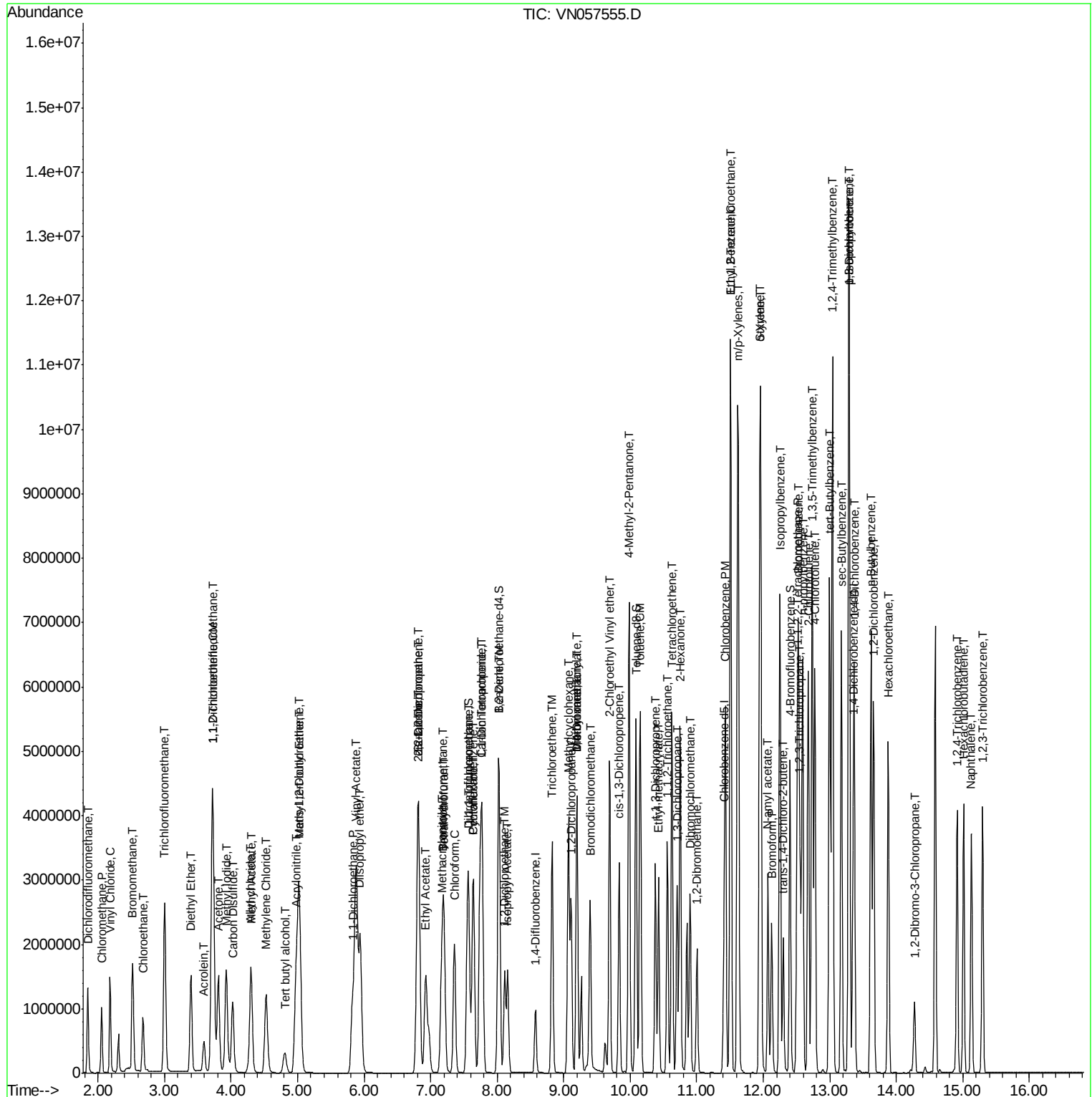
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Data File : VN057555.D
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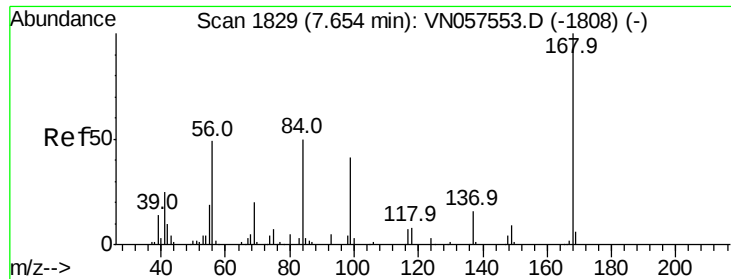
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 607800

Ion Ratio Lower Upper

168 100

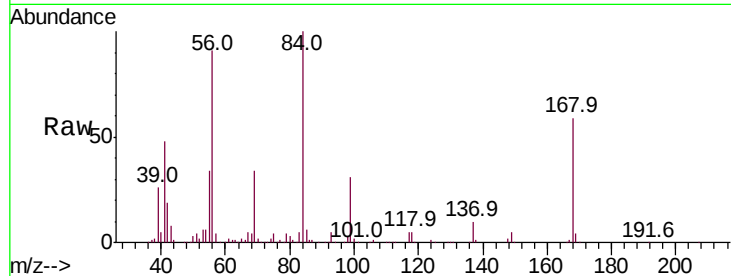
99 52.3 50.6 76.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN057553.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN057553.D (-1808) (-)

500000

400000

300000

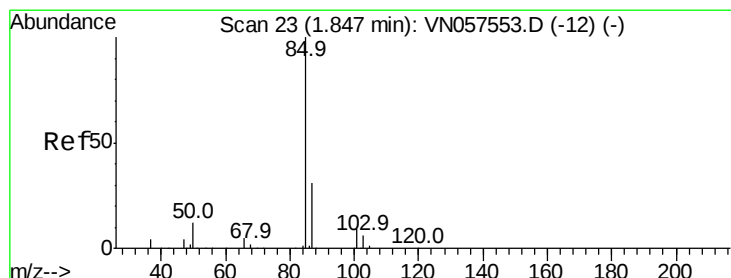
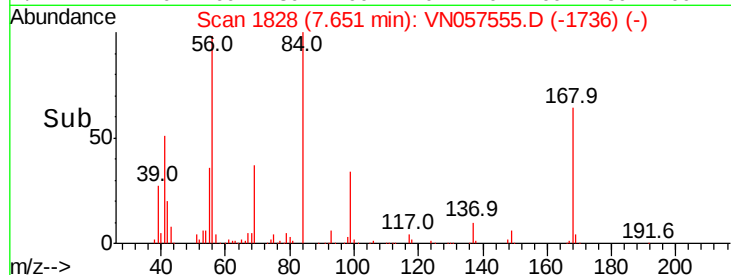
200000

100000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 145.899 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN057555.D

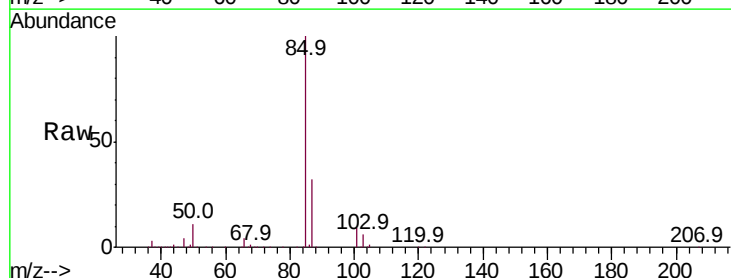
Acq: 29 Aug 2019 17:29

Tgt Ion: 85 Resp: 1035265

Ion Ratio Lower Upper

85 100

87 31.6 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN057553.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN057553.D (-12) (-)

800000

600000

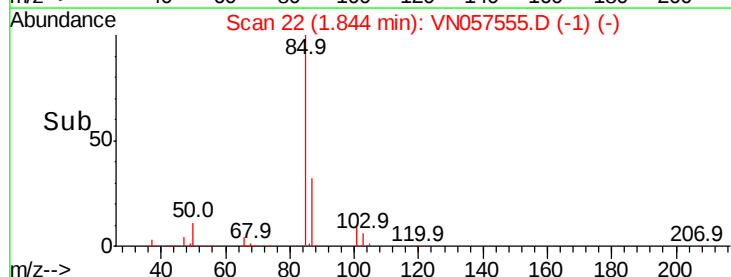
400000

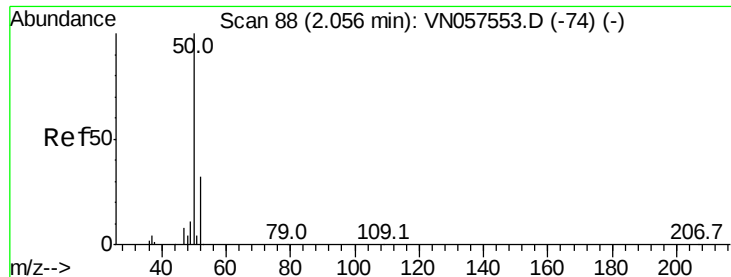
200000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 89.879 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 874115

Ion Ratio Lower Upper

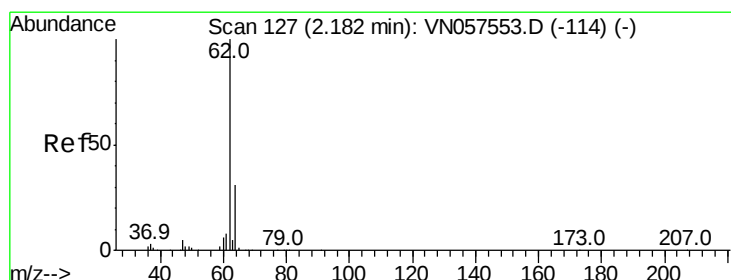
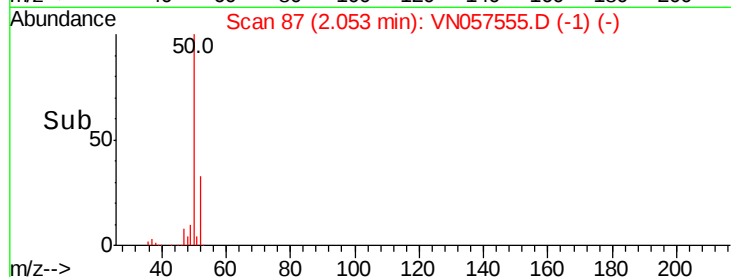
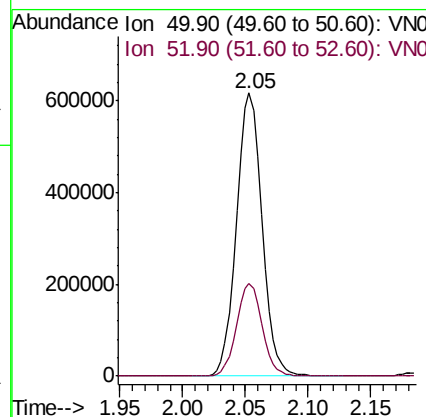
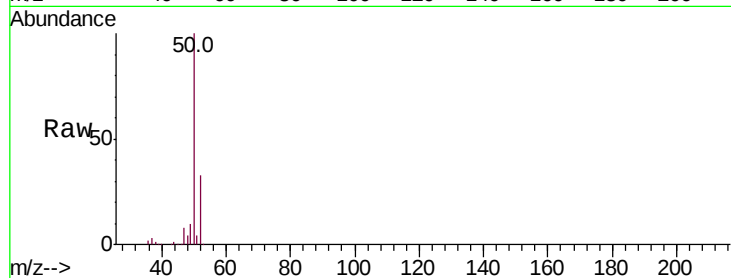
50 100

52 33.0 25.1 37.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 107.471 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057555.D

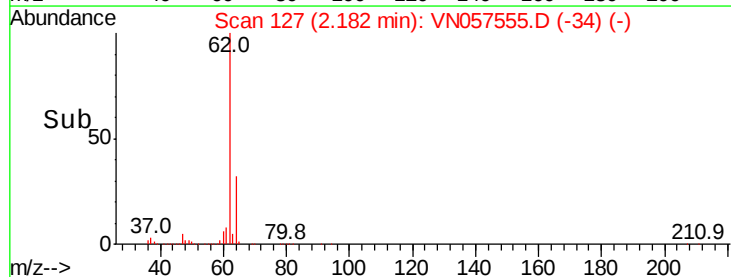
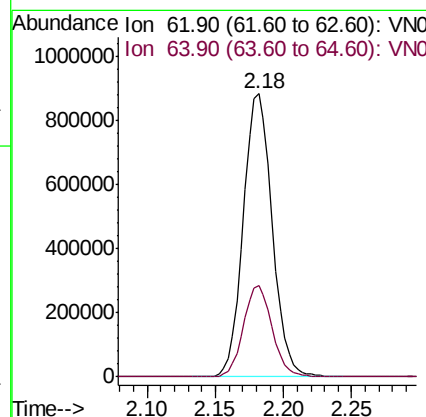
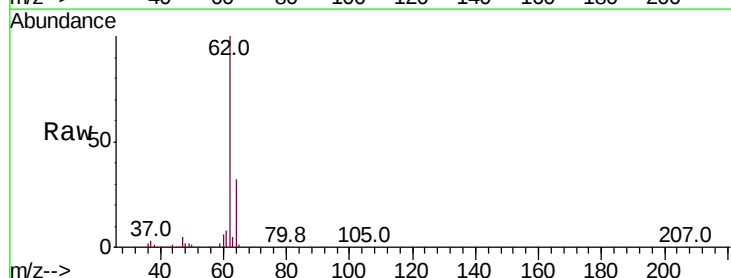
Acq: 29 Aug 2019 17:29

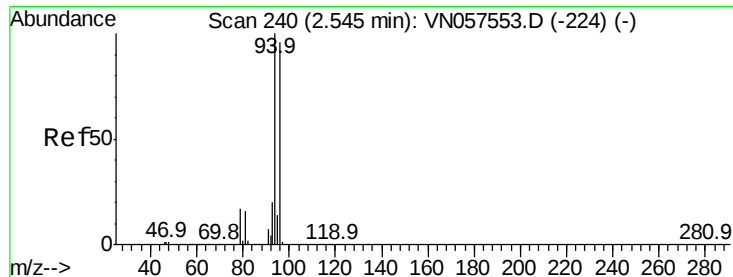
Tgt Ion: 62 Resp: 1300392

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8





#5

Bromomethane

Concen: 149.533 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.03 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 1189543

Ion Ratio Lower Upper

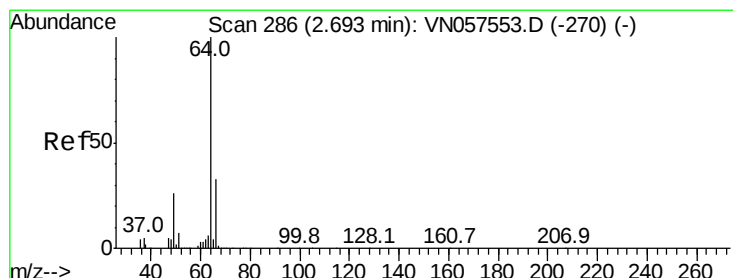
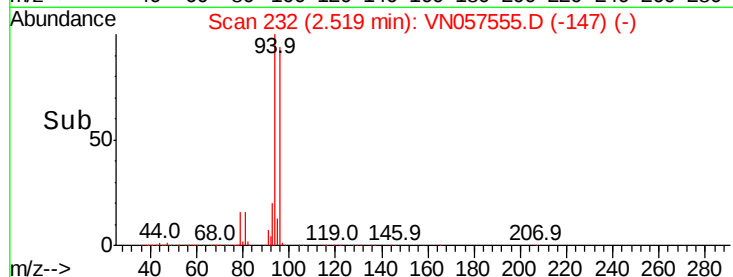
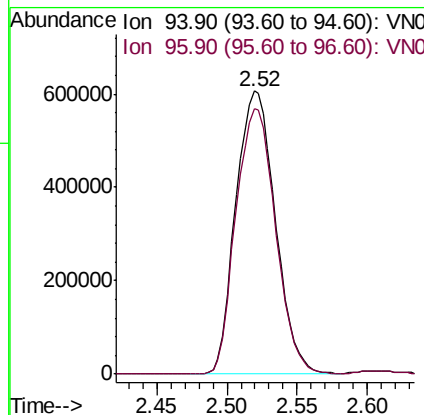
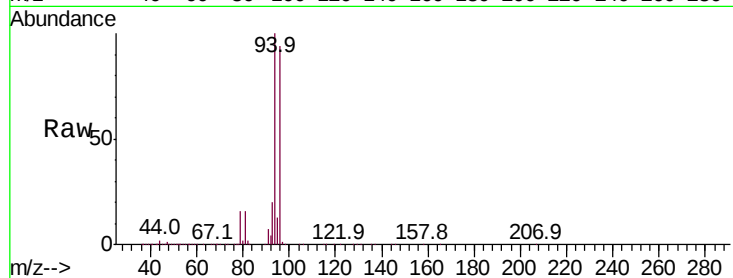
94 100

96 93.9 76.2 114.4

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#6

Chloroethane

Concen: 101.430 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.02 min

Lab File: VN057555.D

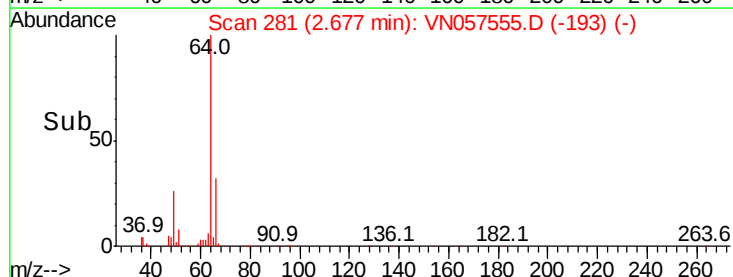
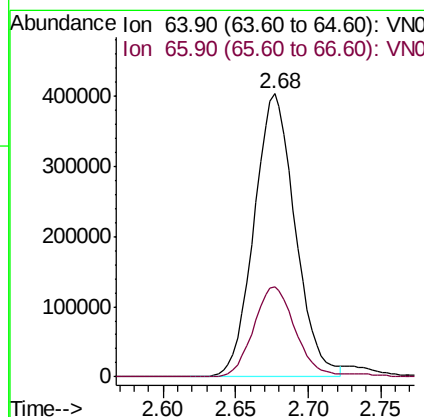
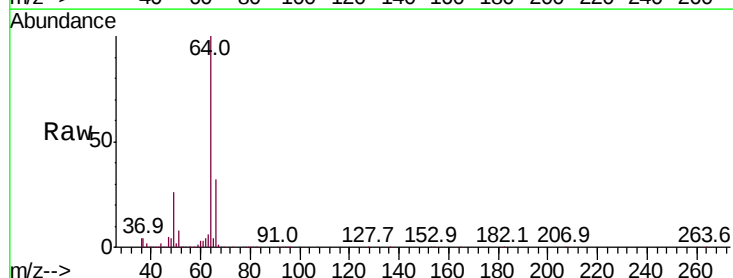
Acq: 29 Aug 2019 17:29

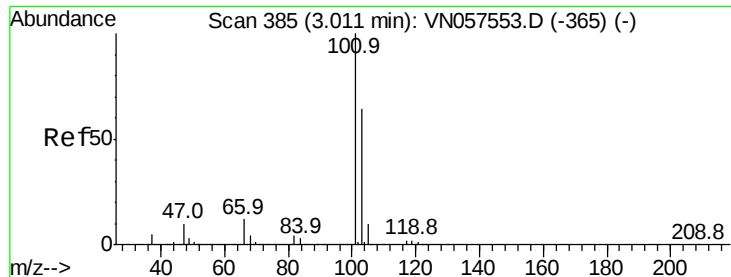
Tgt Ion: 64 Resp: 796627

Ion Ratio Lower Upper

64 100

66 31.7 26.8 40.2





#7

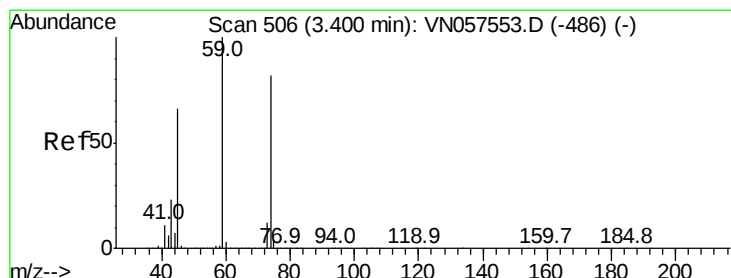
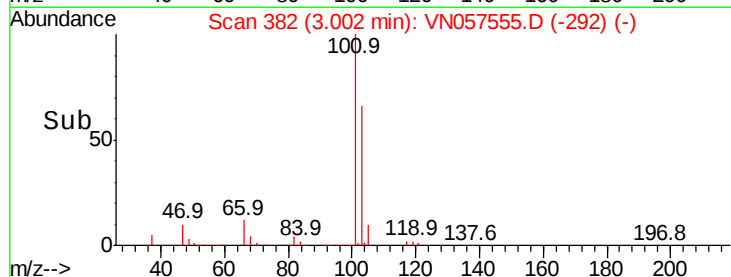
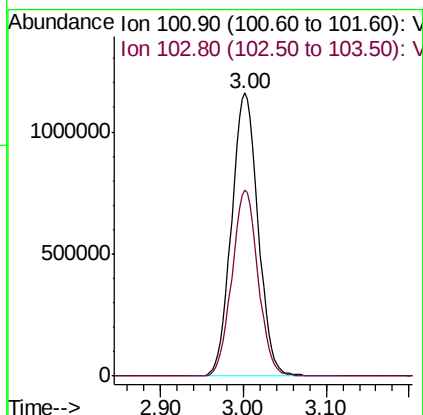
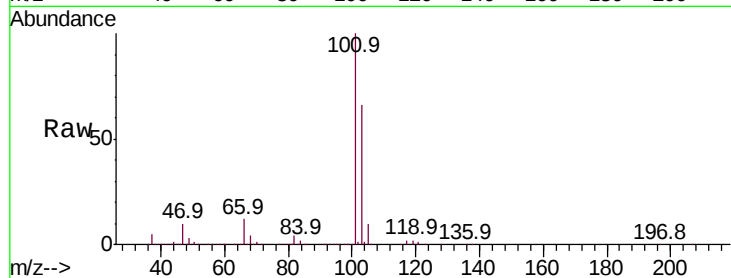
Trichlorofluoromethane
Concen: 130.784 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 2580940
Ion Ratio Lower Upper
101 100
103 65.8 52.6 78.8

Manual Integrations
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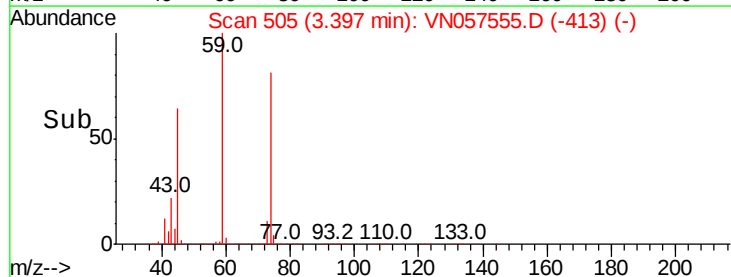
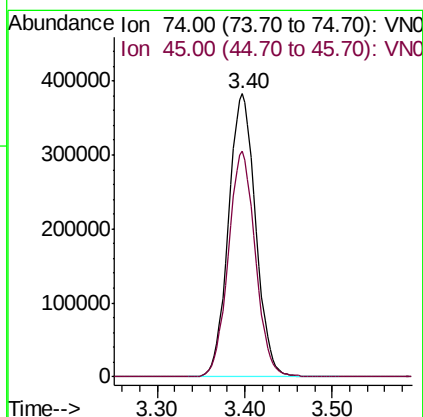
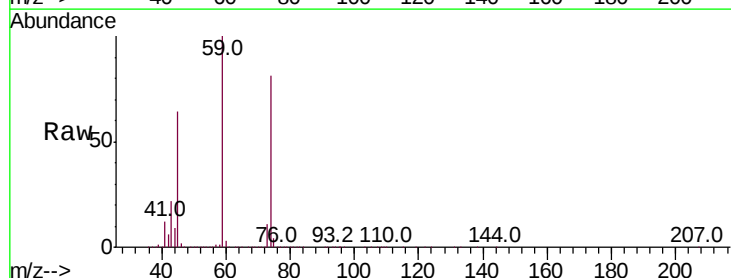
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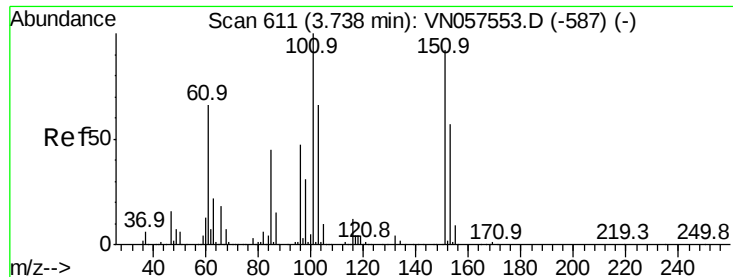


#8

Diethyl Ether
Concen: 113.555 ug/l
RT: 3.40 min Scan# 505
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 74 Resp: 825853
Ion Ratio Lower Upper
74 100
45 78.4 57.9 173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 135.976 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 1507390

Ion Ratio Lower Upper

101 100

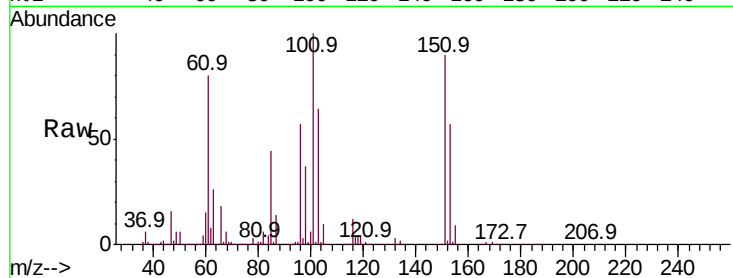
85 43.3 40.0 60.0

151 89.8 57.0 85.6#

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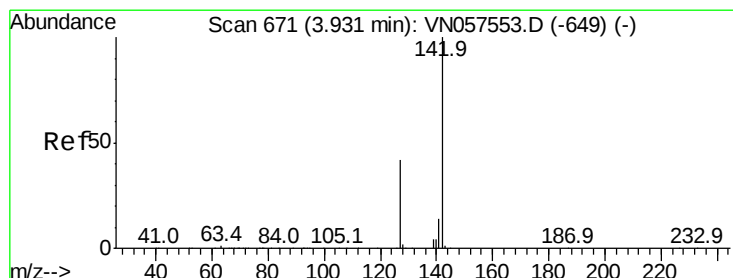
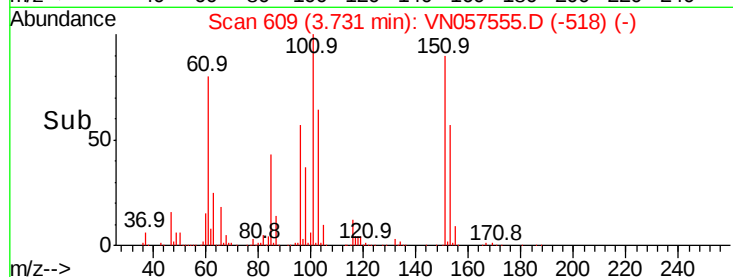
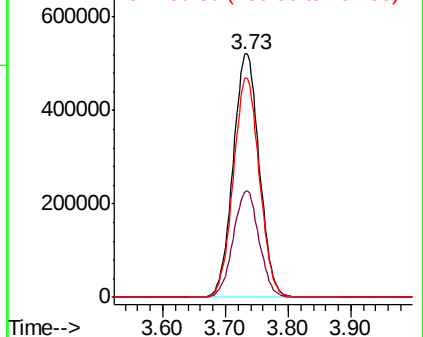
9/3/2019 2:38:44 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 251.881 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

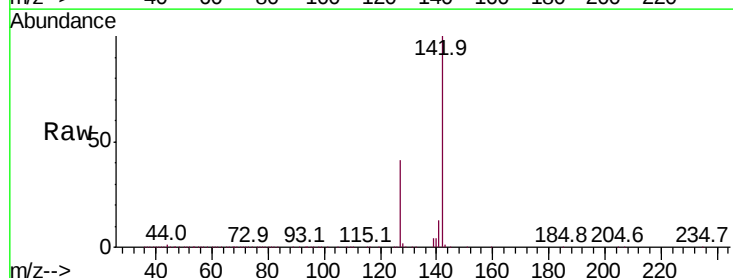
Tgt Ion:142 Resp: 2608293

Ion Ratio Lower Upper

142 100

127 40.9 37.8 56.8

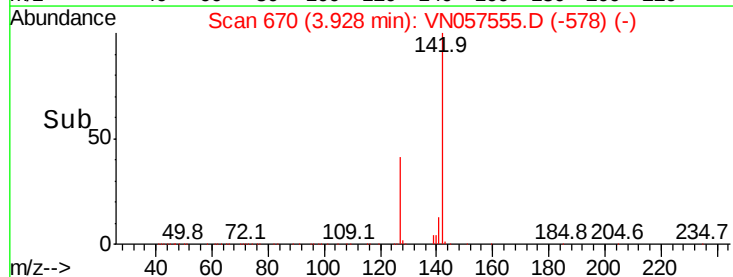
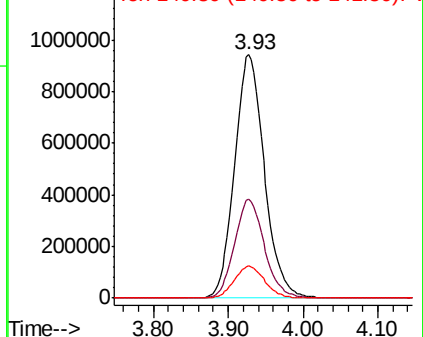
141 13.5 11.9 17.9

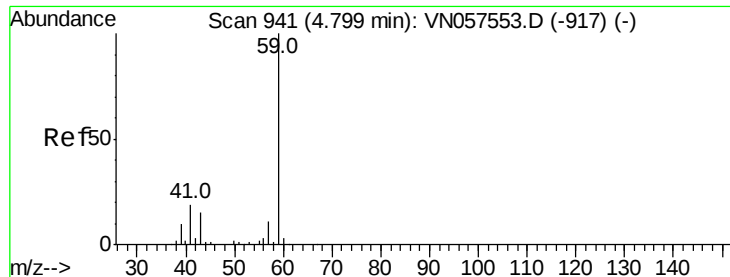


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





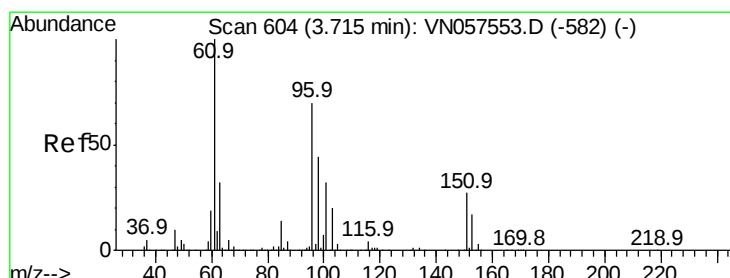
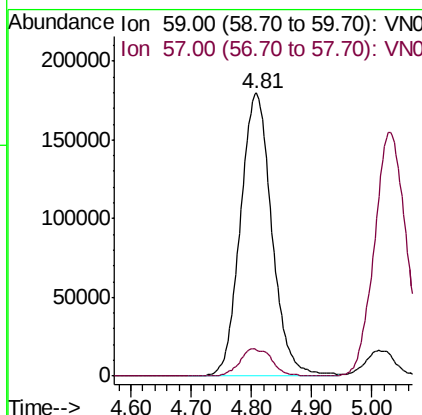
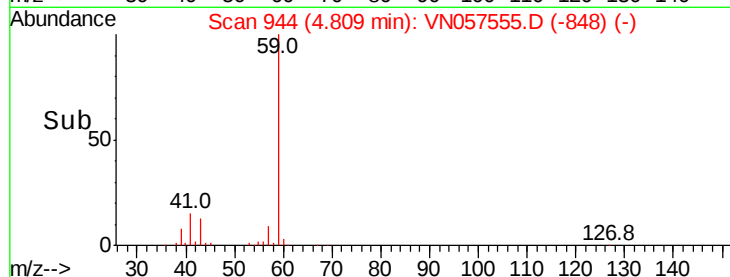
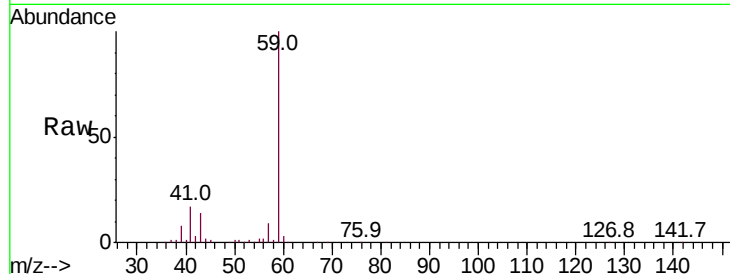
#11
Tert butyl alcohol
Concen: 519.339 ug/l
RT: 4.81 min Scan# 944
Delta R.T. 0.01 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 657085
Ion Ratio Lower Upper
59 100
57 10.0 9.1 13.7

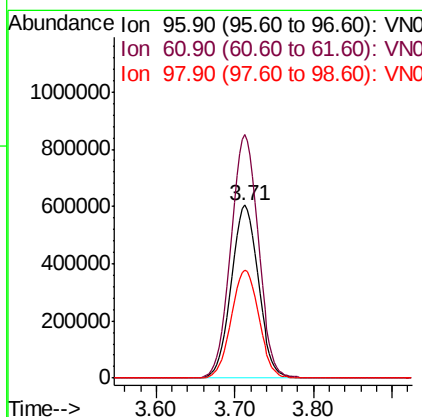
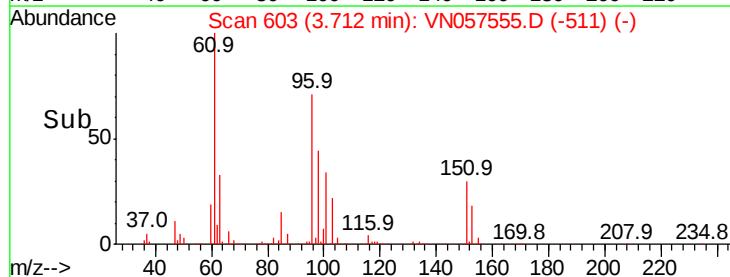
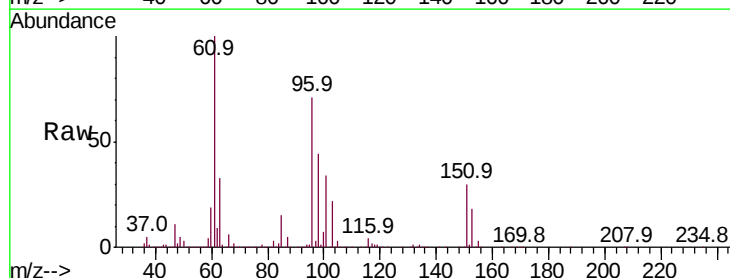
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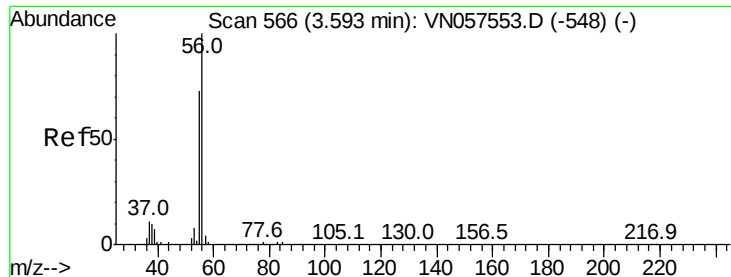
MMDadoda
9/3/2019 2:38:44 AM



#12
1,1-Dichloroethene
Concen: 136.398 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 96 Resp: 1453863
Ion Ratio Lower Upper
96 100
61 140.8 155.3 232.9#
98 62.5 50.2 75.2





#13

Acrolein

Concen: 457.915 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 502742

Ion Ratio Lower Upper

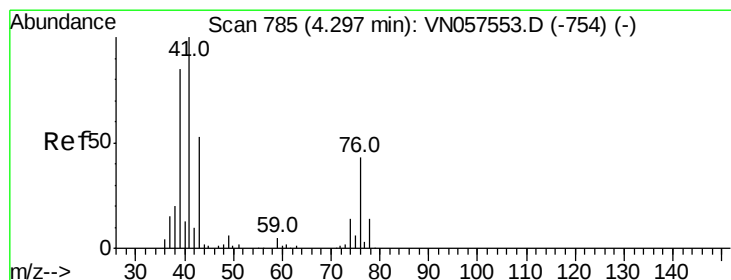
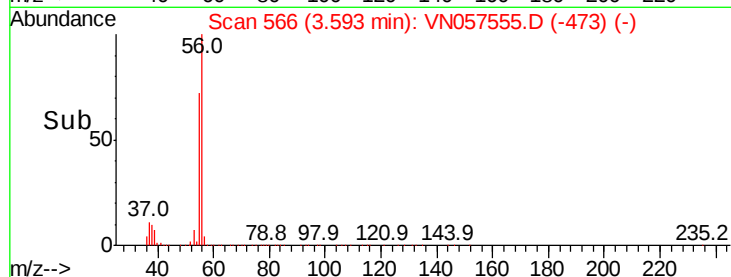
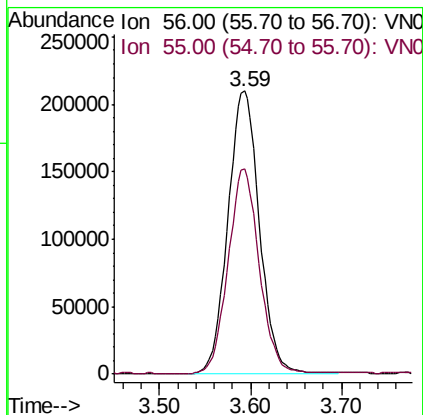
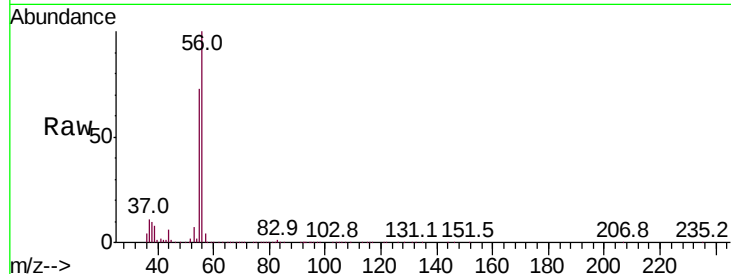
56 100

55 71.5 59.0 88.4

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#14

Allyl chloride

Concen: 81.367 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

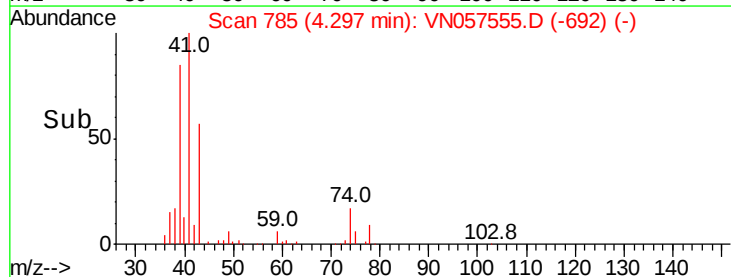
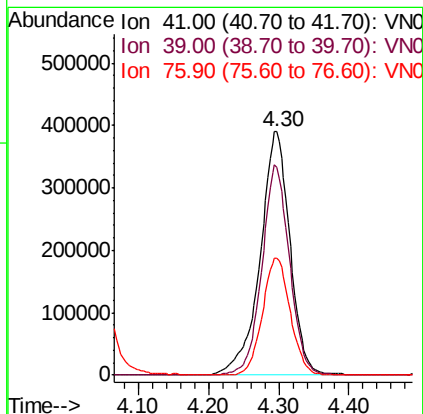
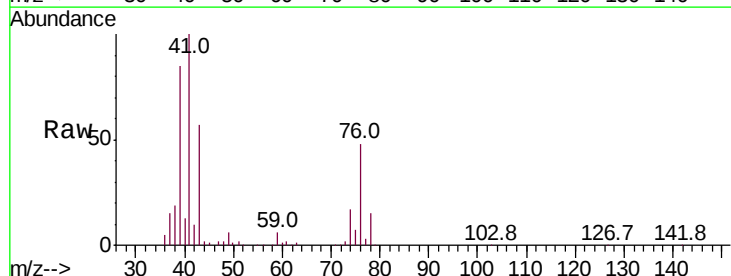
Tgt Ion: 41 Resp: 1147915

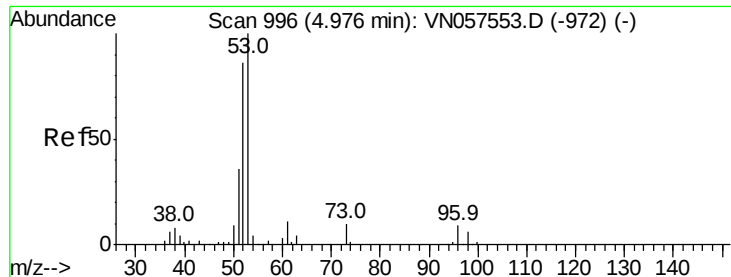
Ion Ratio Lower Upper

41 100

39 79.7 57.4 86.2

76 44.7 22.9 34.3#





#15

Acrylonitrile

Concen: 503.527 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1718060

Ion Ratio Lower Upper

53 100

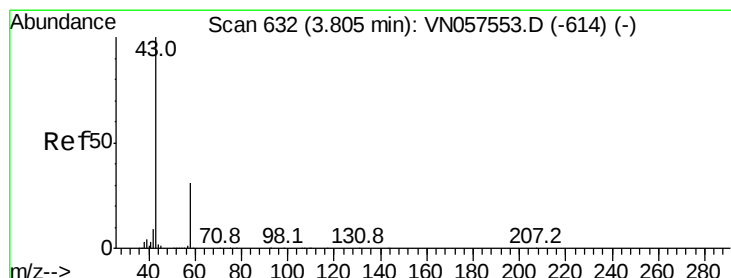
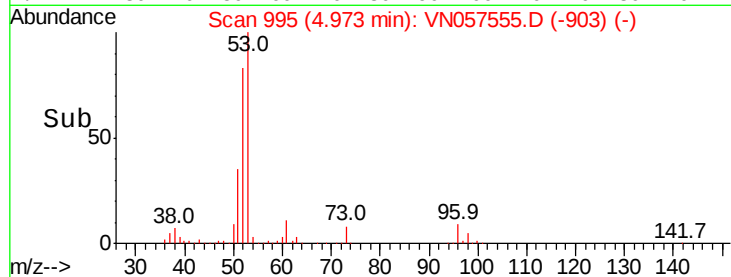
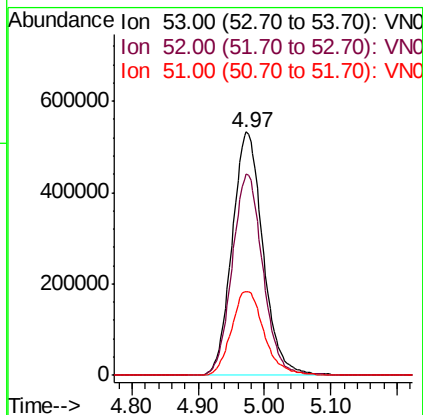
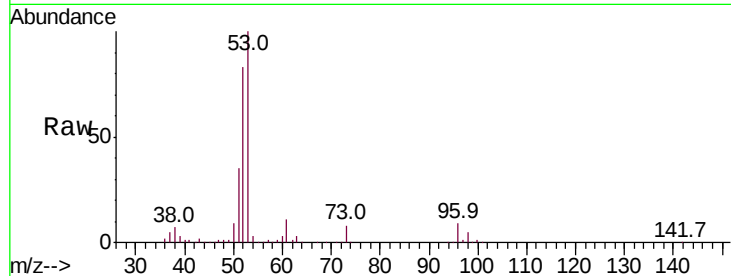
52 82.2 67.0 100.6

51 36.7 29.9 44.9

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#16

Acetone

Concen: 470.414 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057555.D

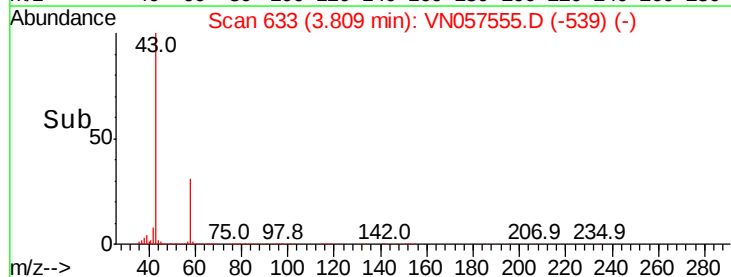
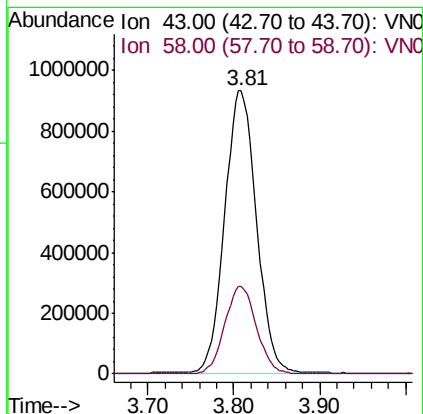
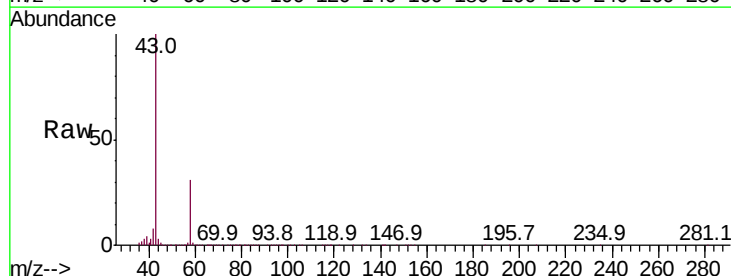
Acq: 29 Aug 2019 17:29

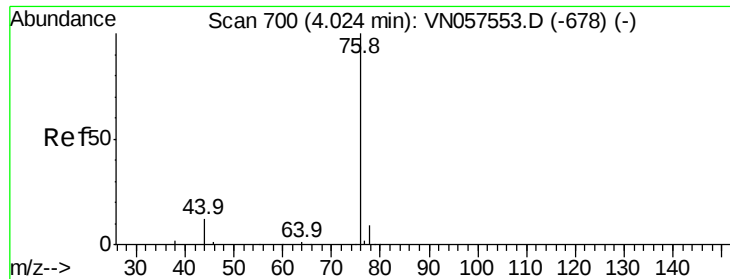
Tgt Ion: 43 Resp: 2379747

Ion Ratio Lower Upper

43 100

58 31.0 22.1 33.1





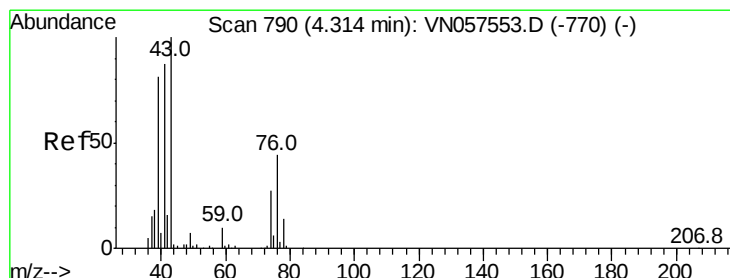
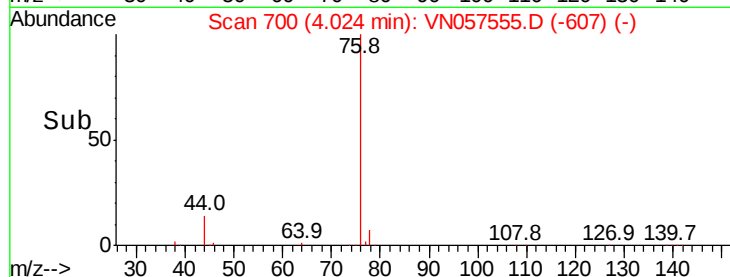
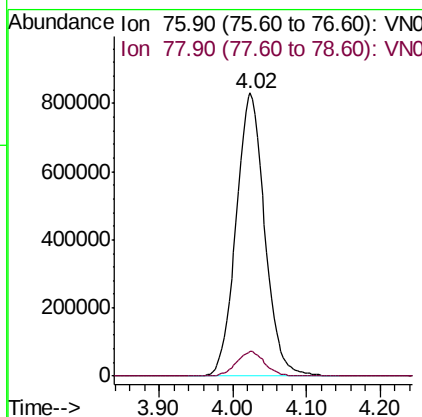
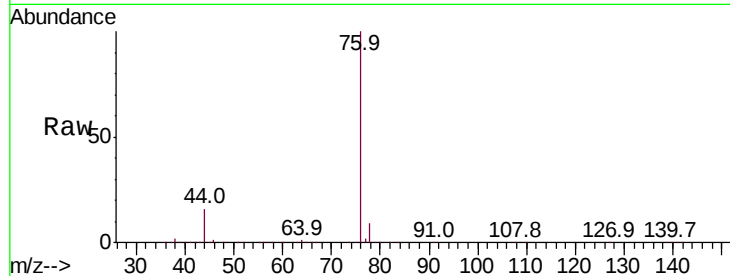
#17
Carbon Disulfide
Concen: 116.545 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 2244263
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7

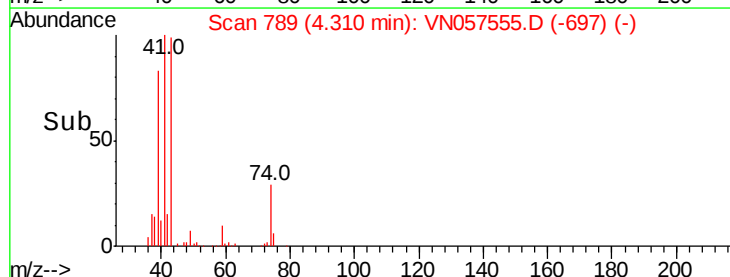
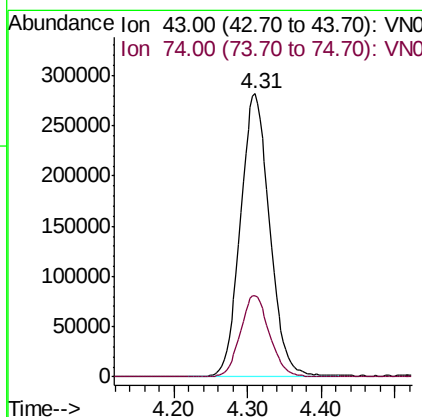
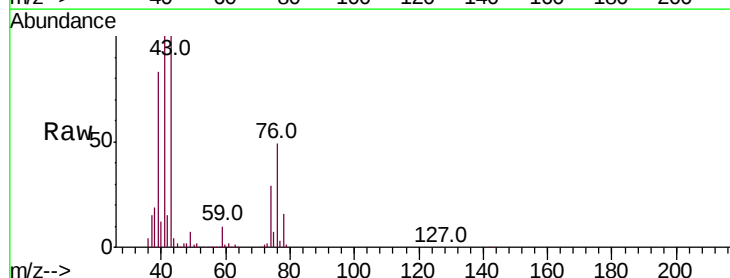
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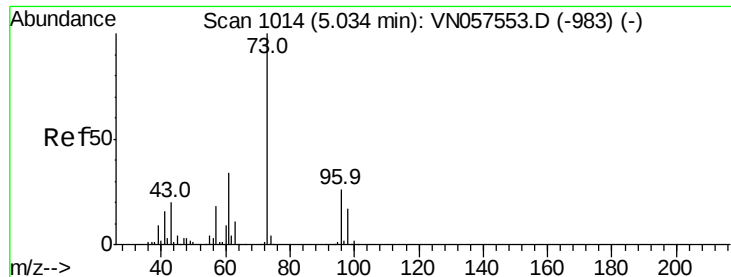
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#18
Methyl Acetate
Concen: 65.007 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 43 Resp: 777465
Ion Ratio Lower Upper
43 100
74 28.9 15.9 23.9#





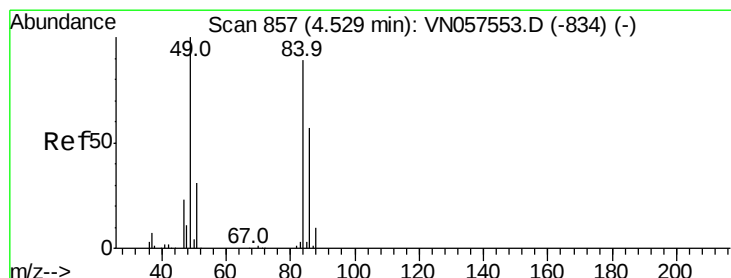
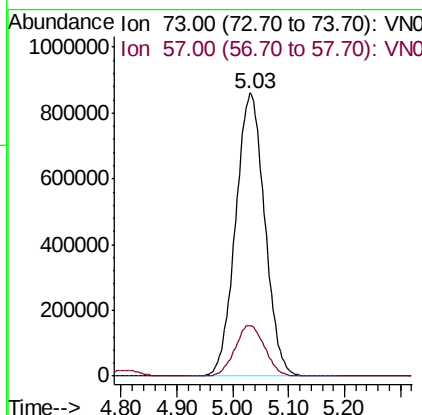
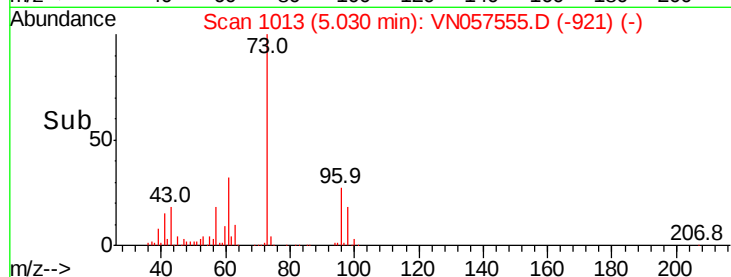
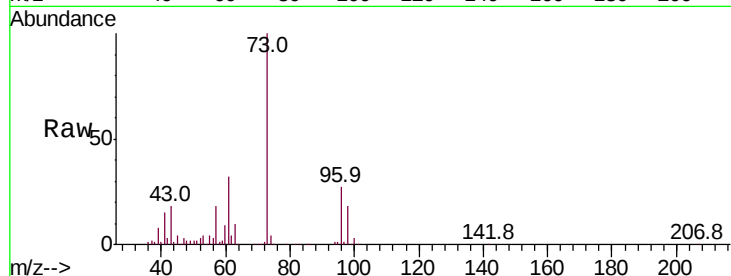
#19
Methvl tert-butvl Ether
Concen: 125.894 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 3118179
Ion Ratio Lower Upper
73 100
57 18.0 19.1 28.7#

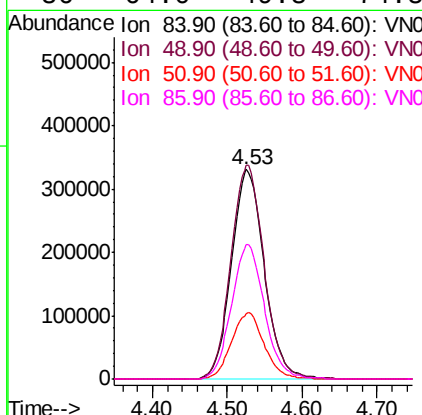
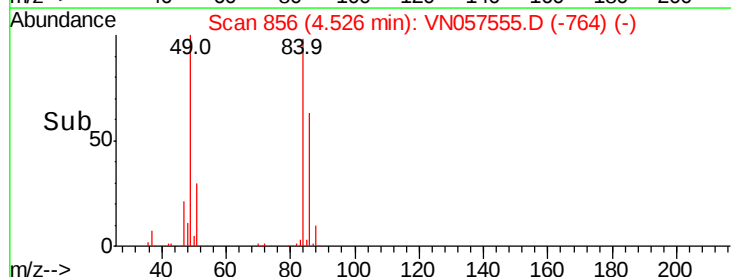
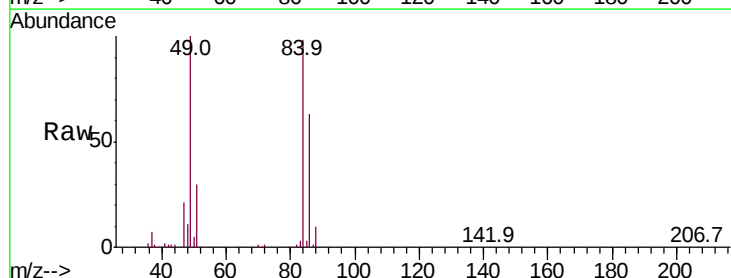
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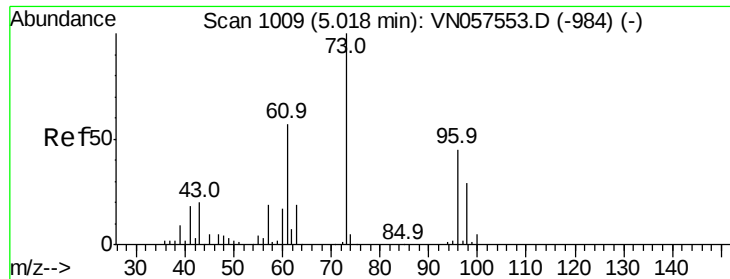
MMDadoda
9/3/2019 2:38:44 AM



#20
Methylene Chloride
Concen: 126.780 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 84 Resp: 1009414
Ion Ratio Lower Upper
84 100
49 101.8 117.0 175.4#
51 31.0 35.5 53.3#
86 64.0 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 143.363 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

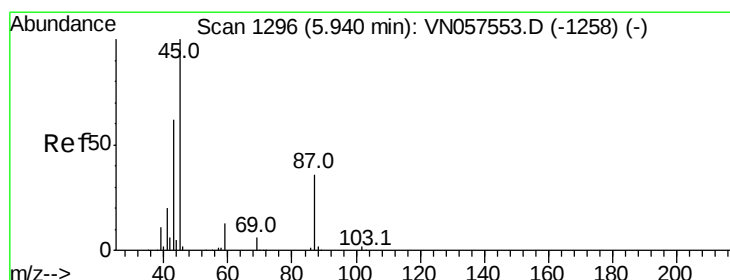
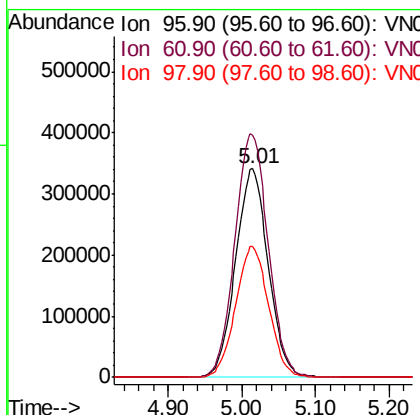
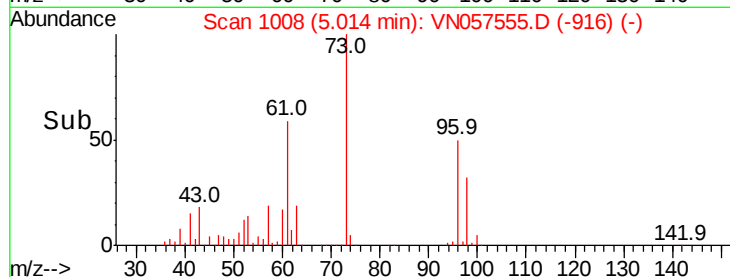
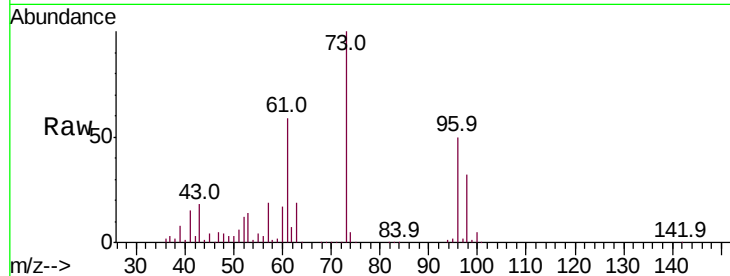
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 96 Resp: 1055012

Ion	Ratio	Lower	Upper
96	100		
61	116.4	127.9	191.9#
98	63.0	50.6	76.0

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#22

Diisopropyl ether

Concen: 94.832 ug/l

RT: 5.94 min Scan# 1296

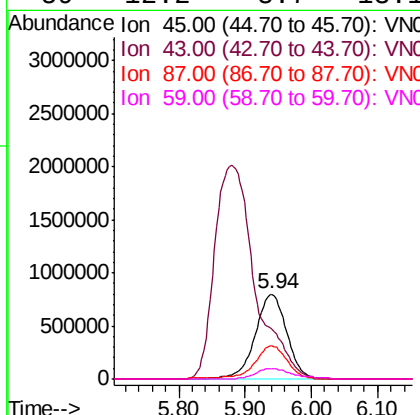
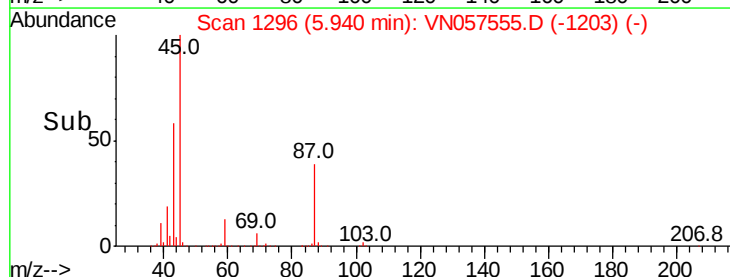
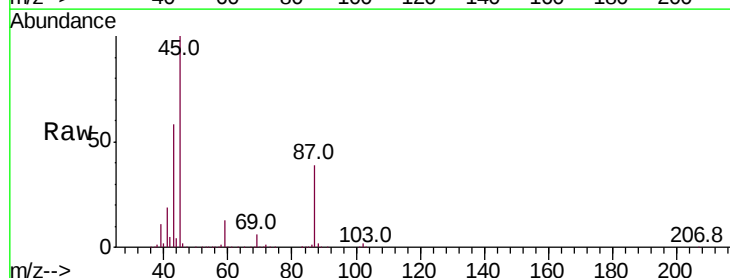
Delta R.T. -0.00 min

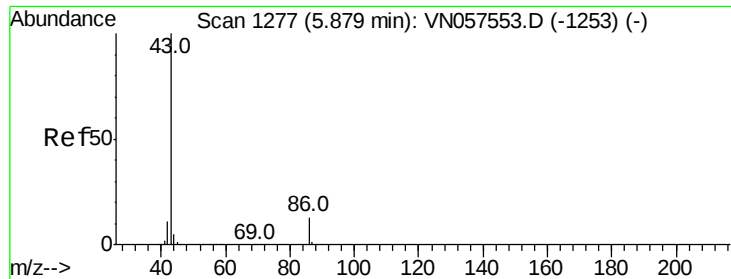
Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Tgt Ion: 45 Resp: 2639393

Ion	Ratio	Lower	Upper
45	100		
43	57.7	46.9	70.3
87	38.9	19.3	28.9#
59	12.2	8.7	13.1





#23

Vinyl Acetate

Concen: 390.179 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

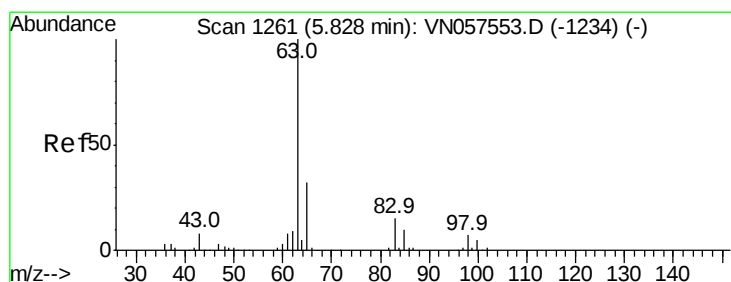
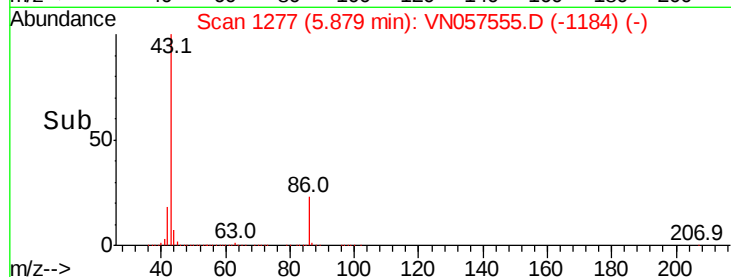
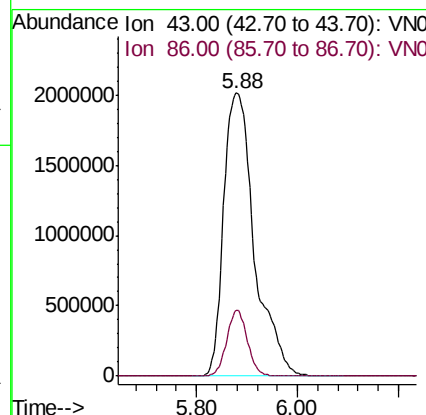
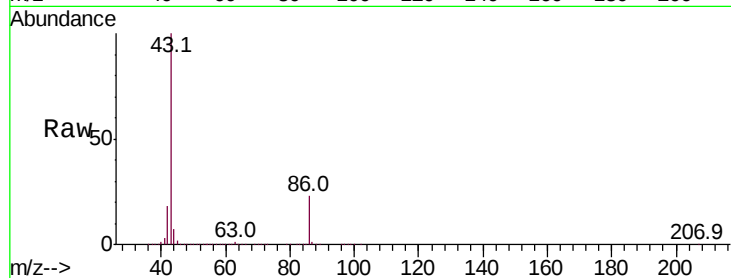
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 8525650

Ion	Ratio	Lower	Upper
43	100		
86	23.4	6.7	10.1#

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#24

1,1-Dichloroethane

Concen: 114.402 ug/l

RT: 5.83 min Scan# 1261

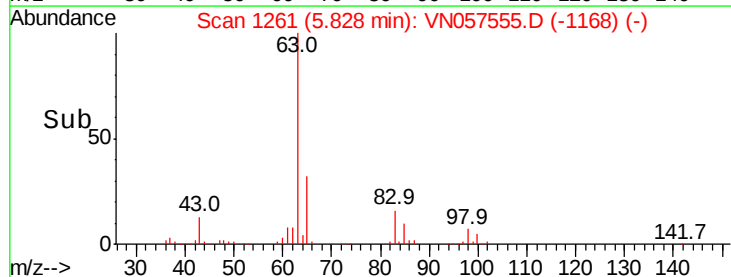
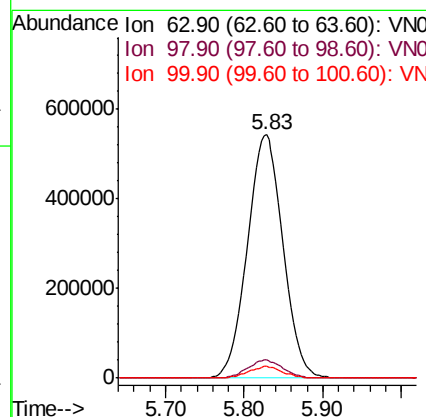
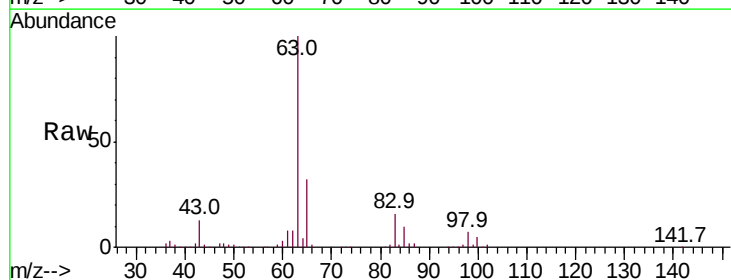
Delta R.T. -0.00 min

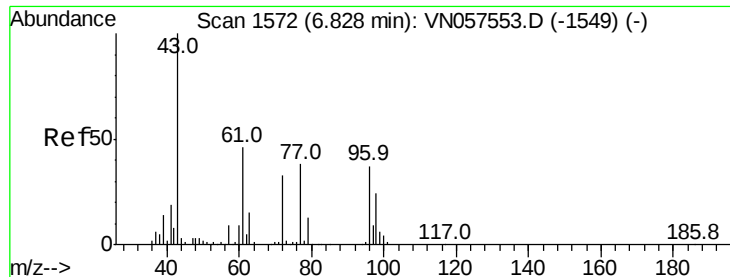
Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Tgt Ion: 63 Resp: 1736173

Ion	Ratio	Lower	Upper
63	100		
98	7.4	2.9	8.6
100	4.8	2.1	6.3





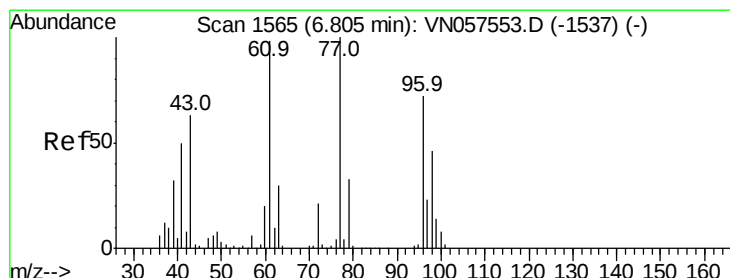
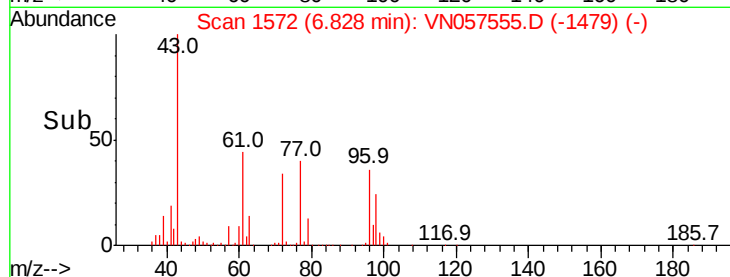
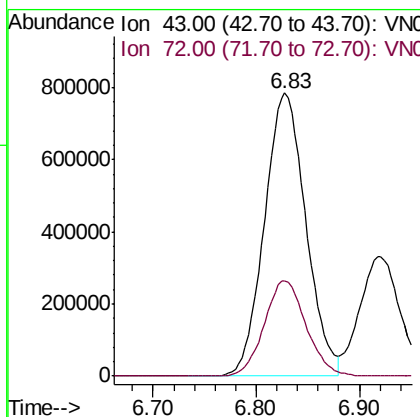
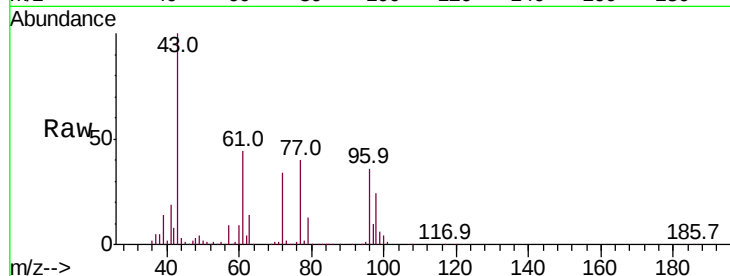
#25
2-Butanone
Concen: 434.474 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2186843
Ion Ratio Lower Upper
43 100
72 33.8 17.8 26.8#

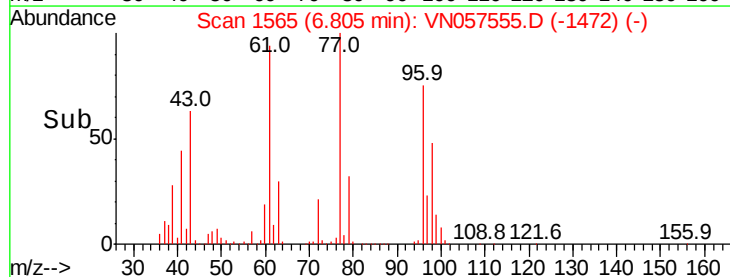
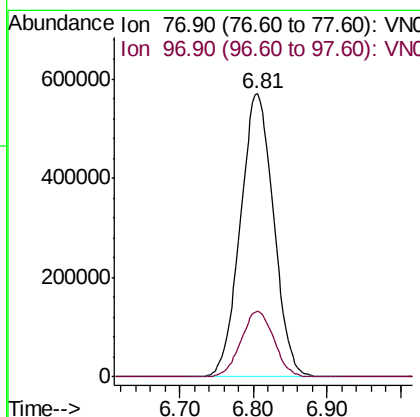
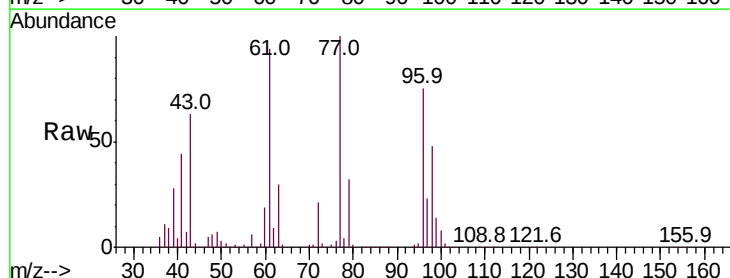
Manual Integrations
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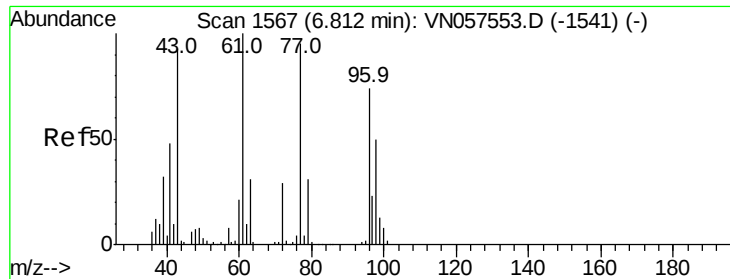
MMDadoda
9/3/2019 2:38:44 AM



#26
2,2-Dichloropropane
Concen: 132.596 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 77 Resp: 1793742
Ion Ratio Lower Upper
77 100
97 23.1 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 145.525 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1275015

Ion Ratio Lower Upper

96 100

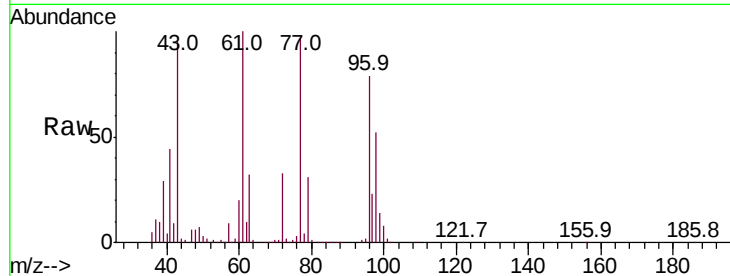
61 125.9 0.0 334.8

98 64.5 0.0 127.4

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MMDadoda

9/3/2019 2:38:44 AM

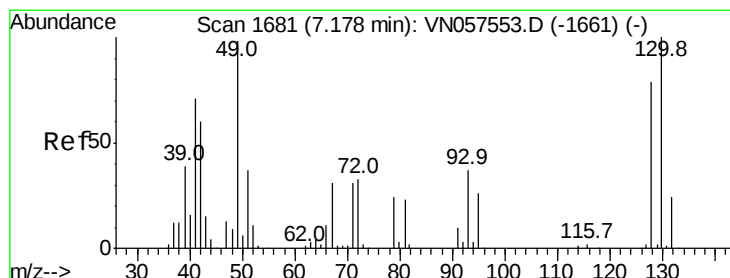
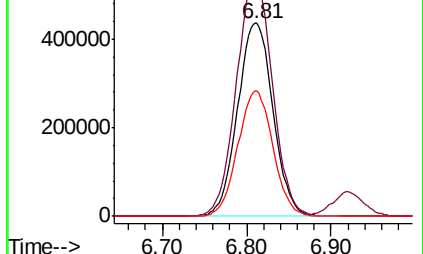
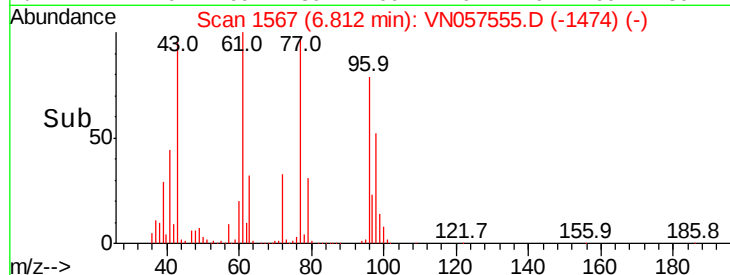


Abundance Ion 95.90 (95.60 to 96.60): VN057555.D (-1541) (-)

Ion 60.90 (60.60 to 61.60): VN057555.D (-1541) (-)

Ion 97.90 (97.60 to 98.60): VN057555.D (-1541) (-)

Time-->



#28

Bromochloromethane

Concen: 93.162 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

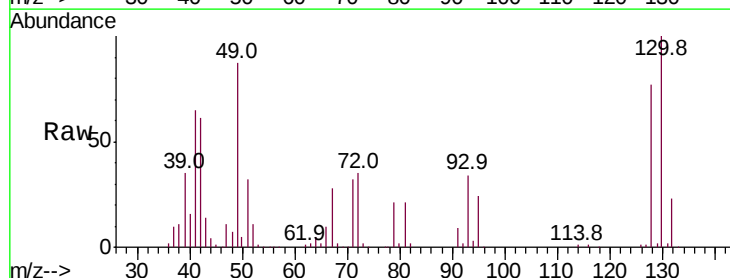
Tgt Ion: 49 Resp: 729551

Ion Ratio Lower Upper

49 100

129 2.9 0.0 3.6

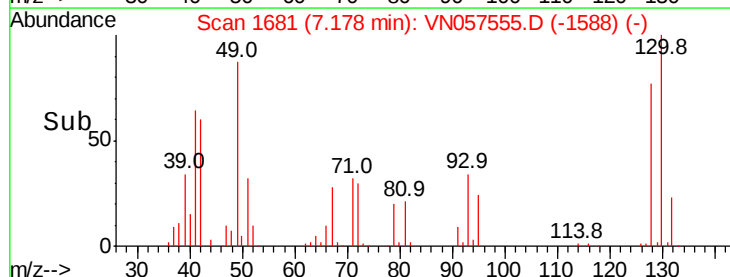
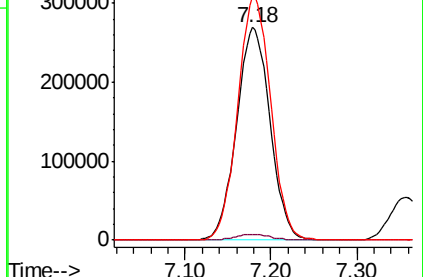
130 113.1 48.6 72.8#

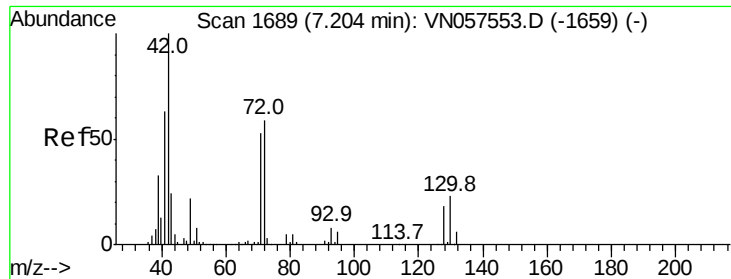


Abundance Ion 48.90 (48.60 to 49.60): VN057555.D (-1661) (-)

Ion 128.80 (128.50 to 129.50): VN057555.D (-1661) (-)

Ion 129.80 (129.50 to 130.50): VN057555.D (-1661) (-)





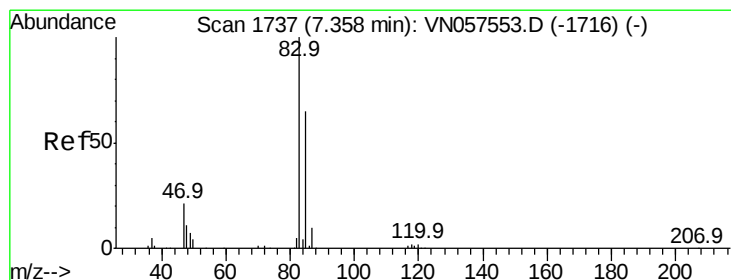
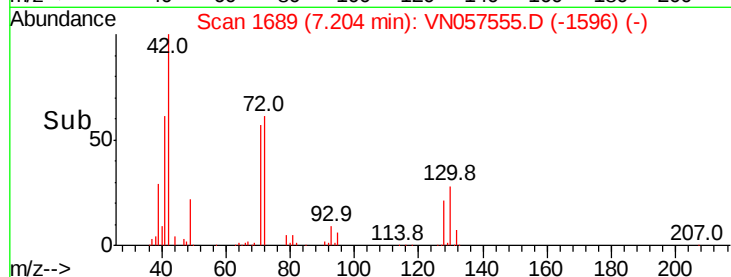
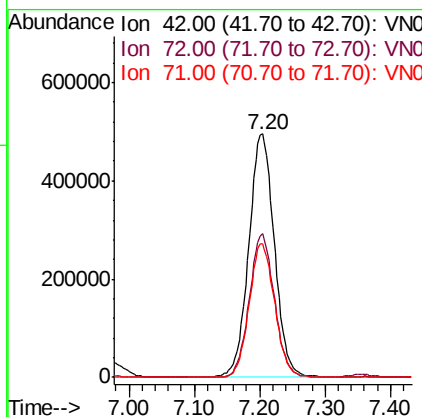
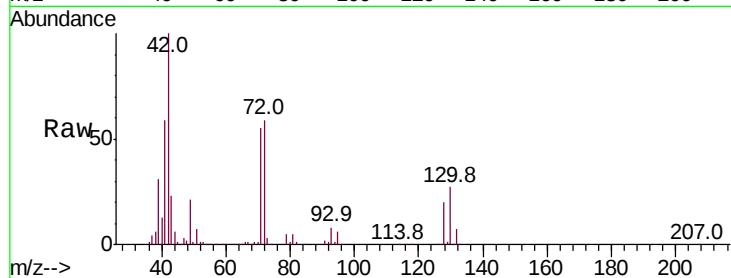
#29
Tetrahydrofuran
Concen: 410.959 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1350608
Ion Ratio Lower Upper
42 100
72 57.9 30.1 45.1#
71 54.5 28.8 43.2#

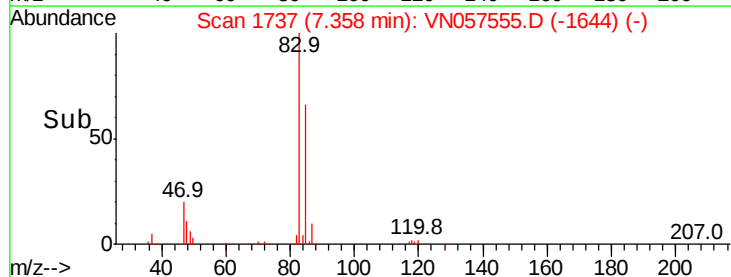
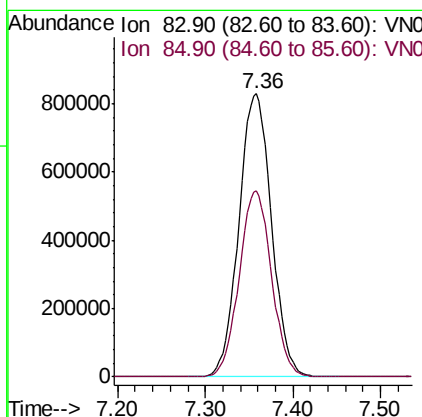
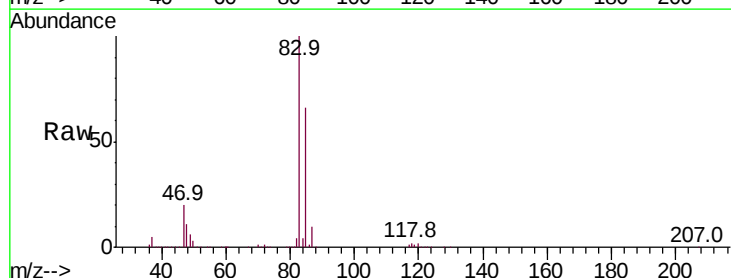
Manual Integrations
APPROVED

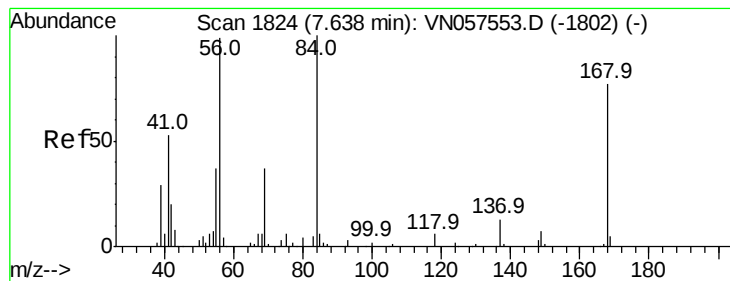
MMDadoda
9/3/2019 2:38:44 AM



#30
Chloroform
Concen: 131.793 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 83 Resp: 2143801
Ion Ratio Lower Upper
83 100
85 65.9 51.9 77.9





#31

Cyclohexane

Concen: 103.214 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1480425

Ion Ratio Lower Upper

56 100

69 34.4 25.0 37.6

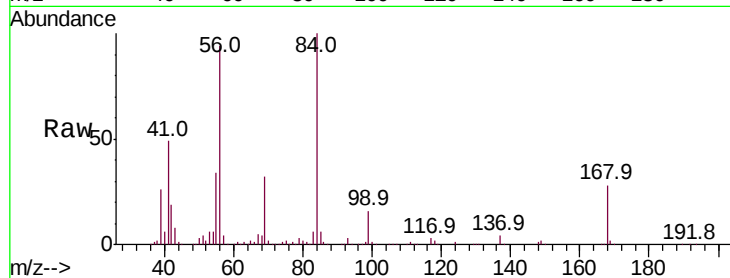
84 105.0 62.5 93.7#

Manual Integrations

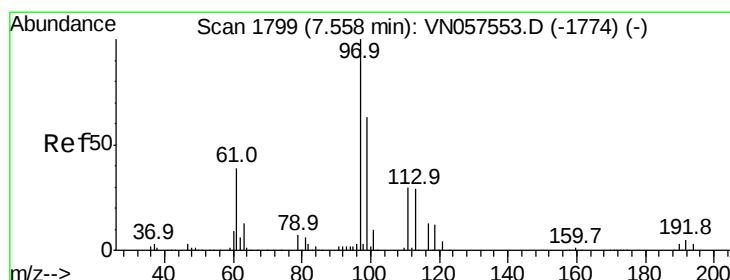
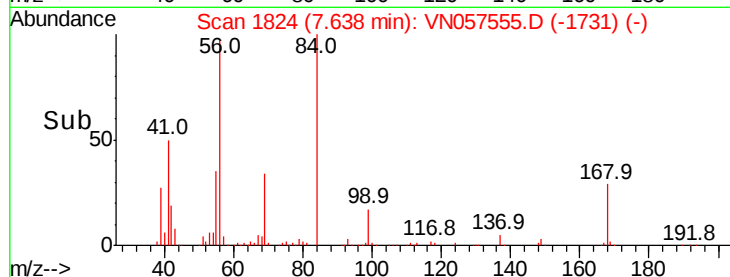
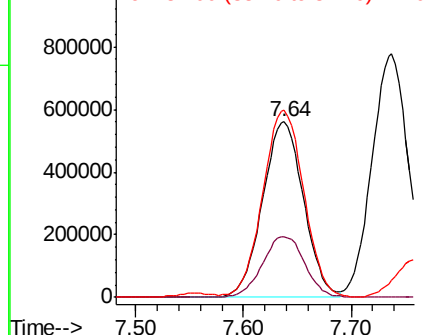
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 151.041 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

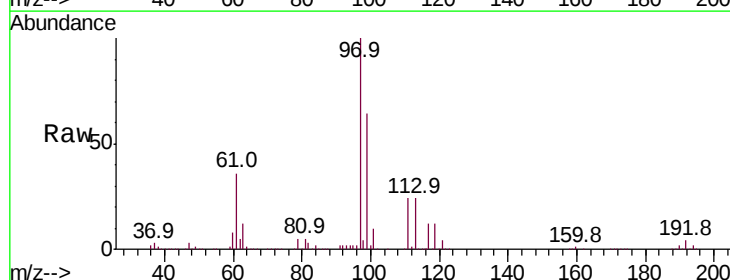
Tgt Ion: 97 Resp: 2055613

Ion Ratio Lower Upper

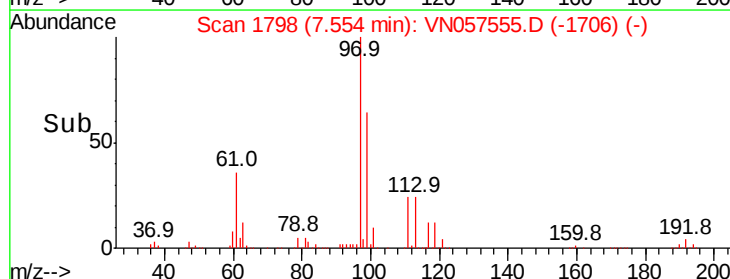
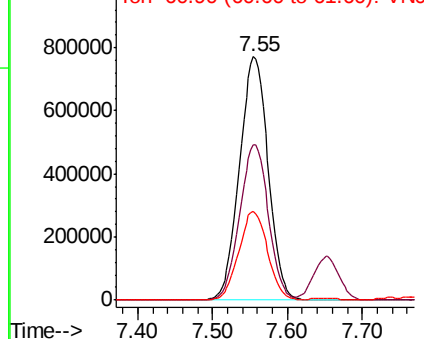
97 100

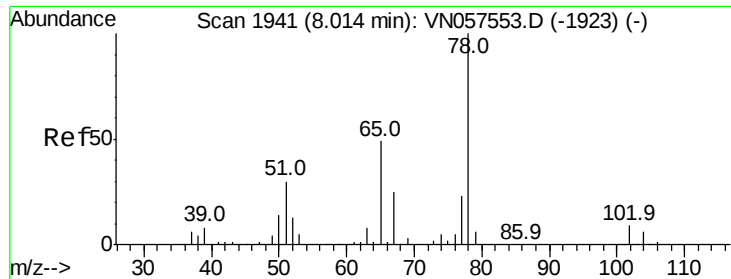
99 64.1 51.0 76.6

61 36.7 39.8 59.6#



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 121.983 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 1277417

Ion Ratio Lower Upper

65 100

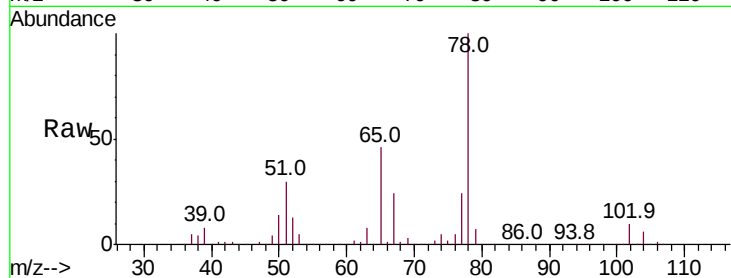
67 51.4 0.0 103.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN057553.D (-1923) (-)

Ion 66.90 (66.60 to 67.60): VN057553.D (-1923) (-)

8.01

600000

500000

400000

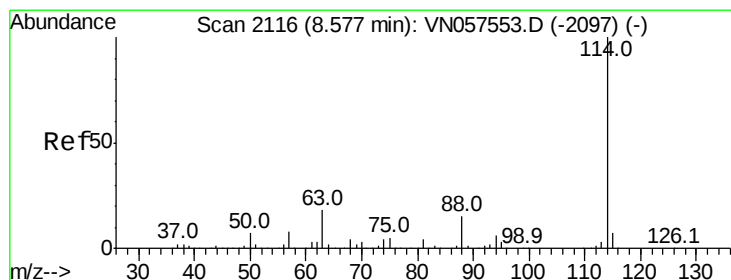
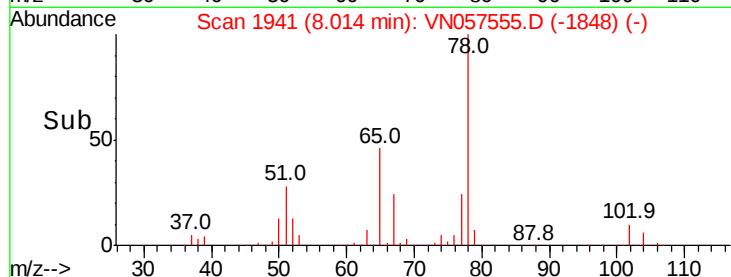
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

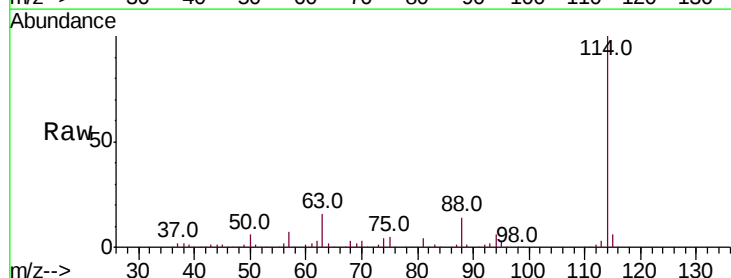
Tgt Ion:114 Resp: 945705

Ion Ratio Lower Upper

114 100

63 16.4 0.0 50.2

88 14.5 0.0 34.6



Abundance Ion 113.90 (113.60 to 114.60): VN057553.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN057553.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN057553.D (-2097) (-)

8.58

600000

500000

400000

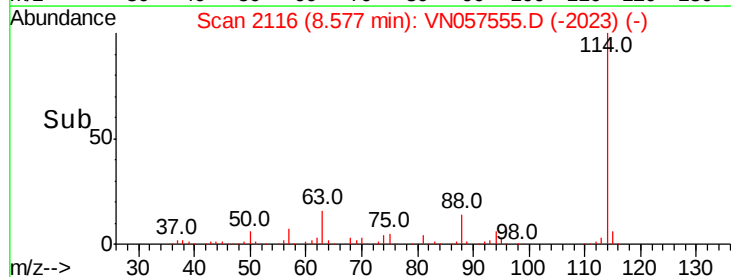
300000

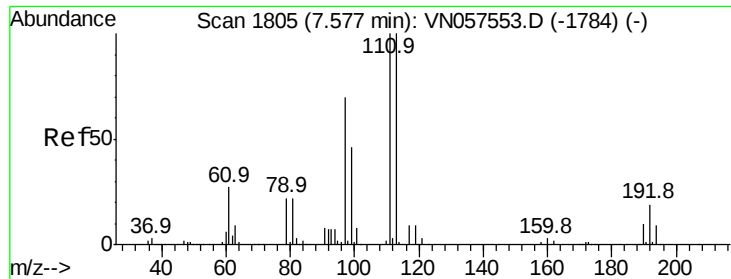
200000

100000

0

Time-->





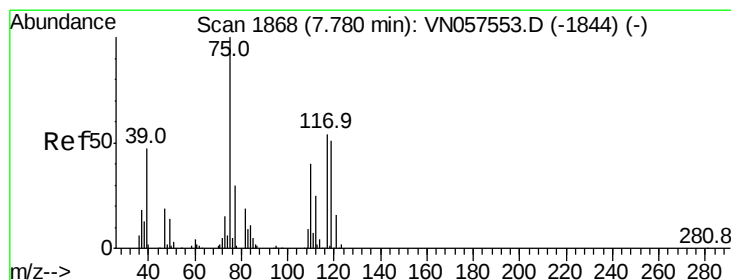
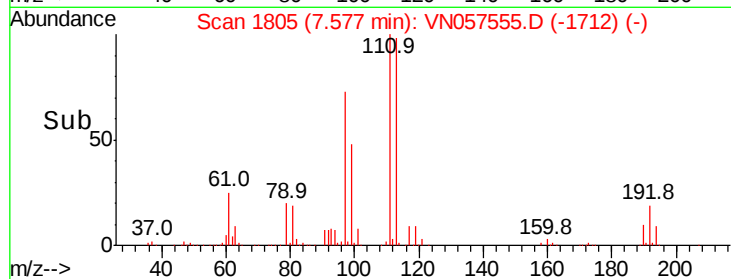
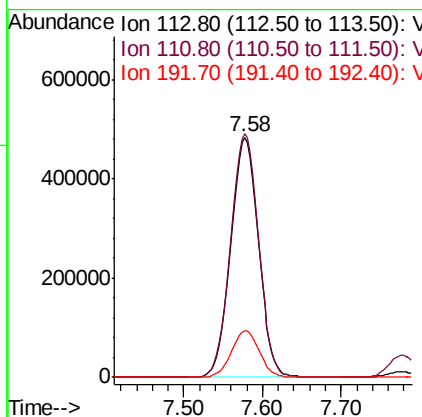
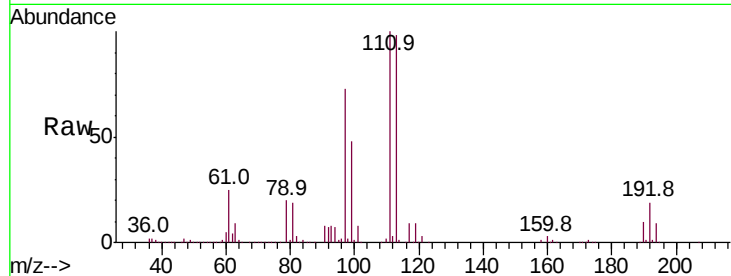
#35
Dibromofluoromethane
Concen: 174.587 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.8	125.6
192	19.5	13.5	20.3

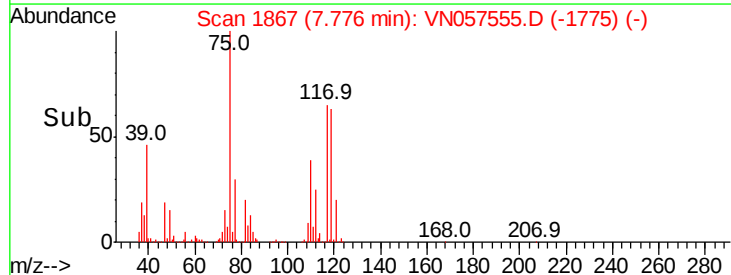
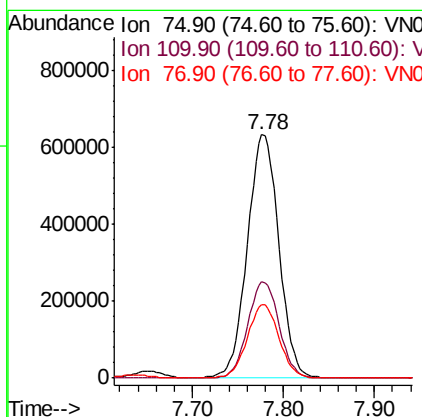
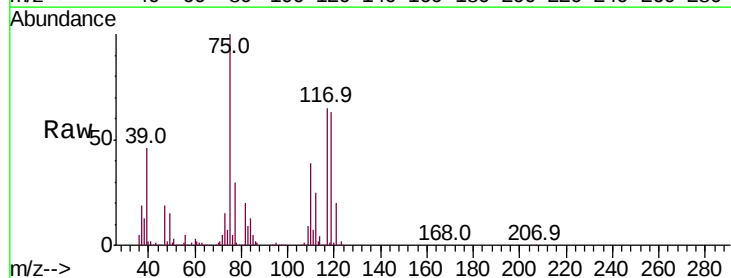
Manual Integrations
APPROVED

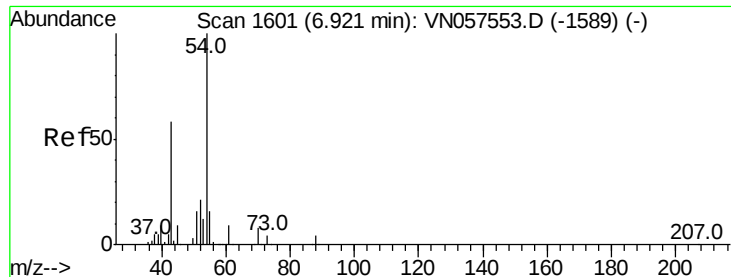
MMDadoda
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#36
1,1-Dichloropropene
Concen: 153.446 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.4	16.1	48.3
77	30.4	24.8	37.2





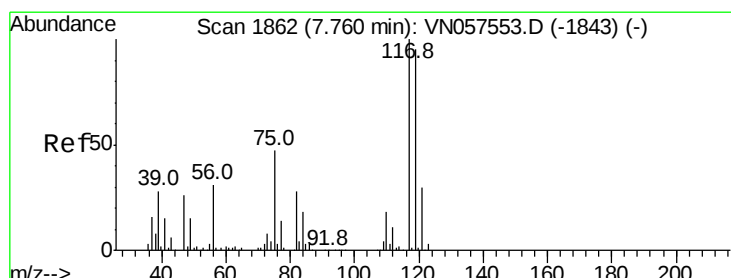
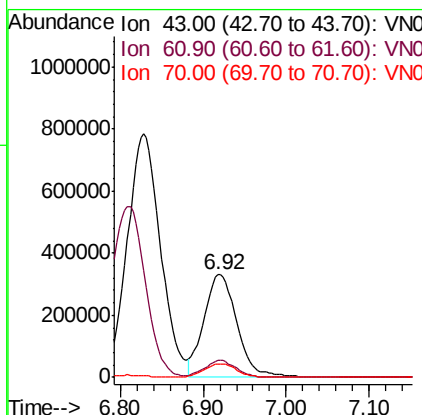
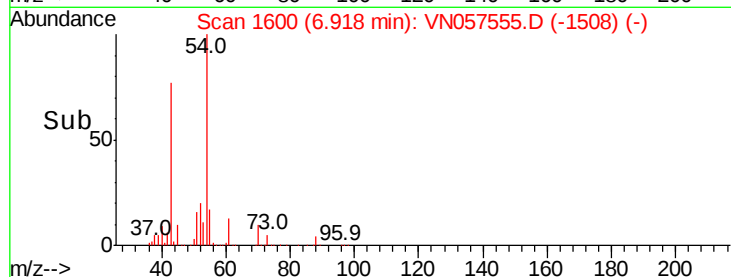
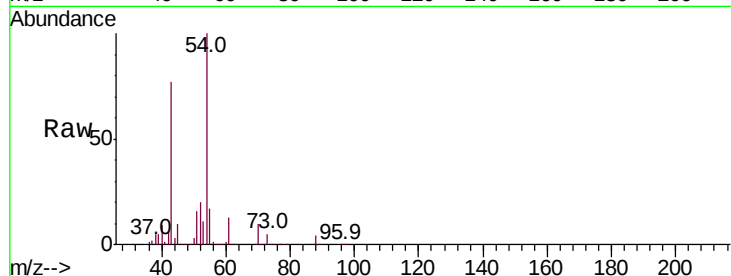
#37
Ethyl Acetate
Concen: 99.986 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	9.9	14.9#
70	12.9	7.0	10.6#

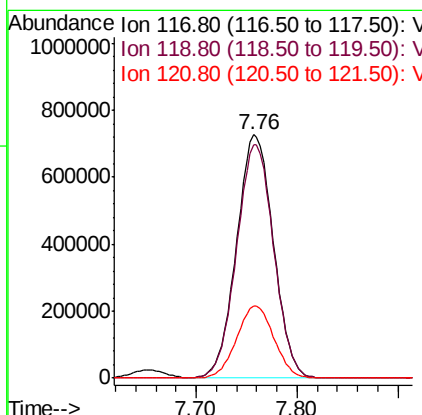
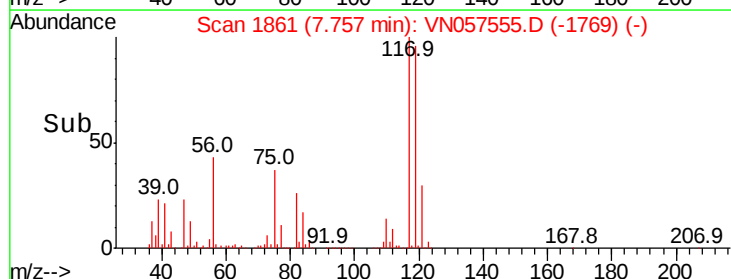
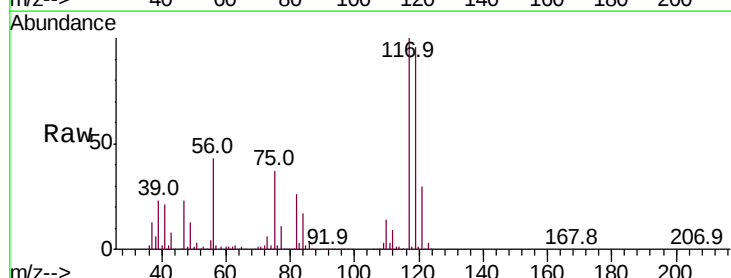
Manual Integrations
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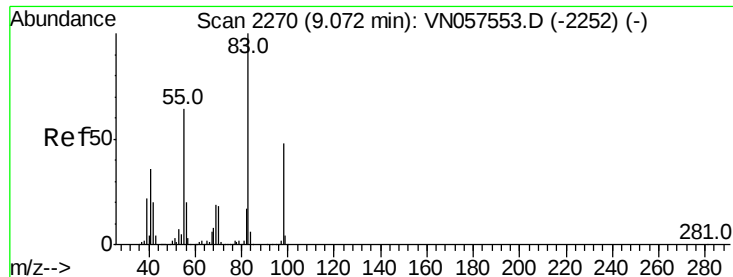
MMDadoda
9/3/2019 2:38:44 AM



#38
Carbon Tetrachloride
Concen: 180.945 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.2	114.4
121	29.8	23.8	35.6





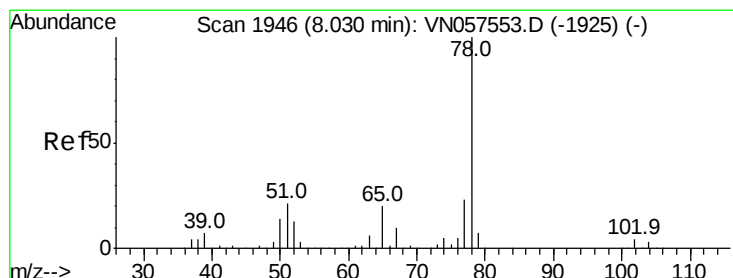
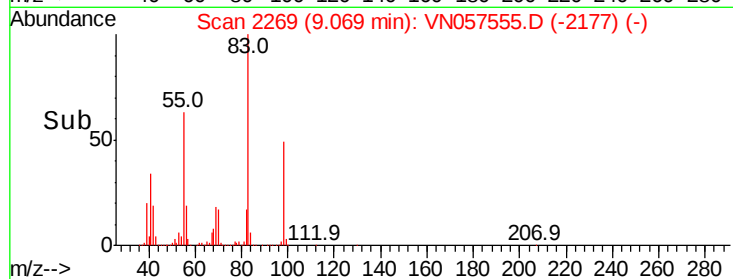
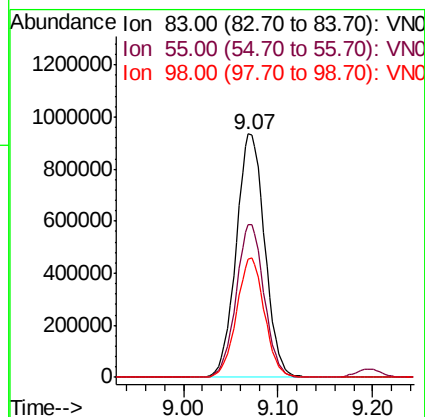
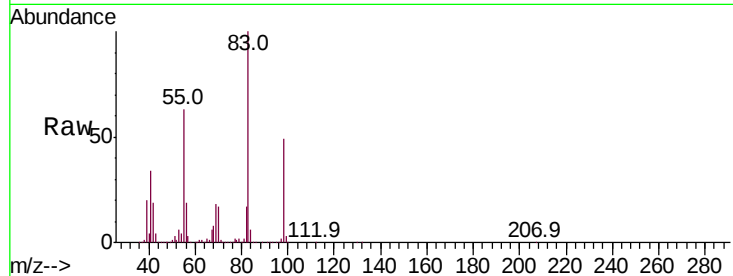
#39
Methvlcvclohexane
Concen: 164.428 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion	83	Resp	1954771
Ion	Ratio	Lower	Upper
83	100		
55	62.7	68.6	102.8#
98	48.5	36.6	54.8

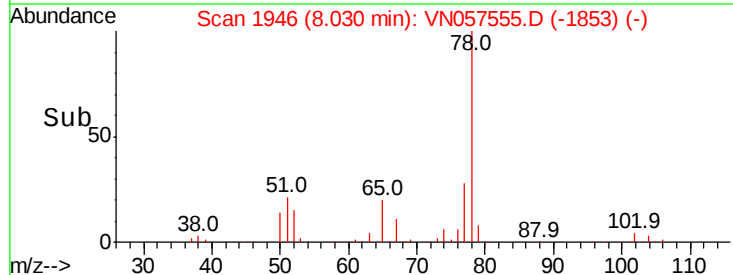
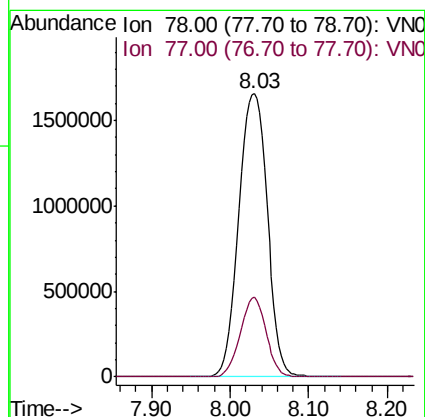
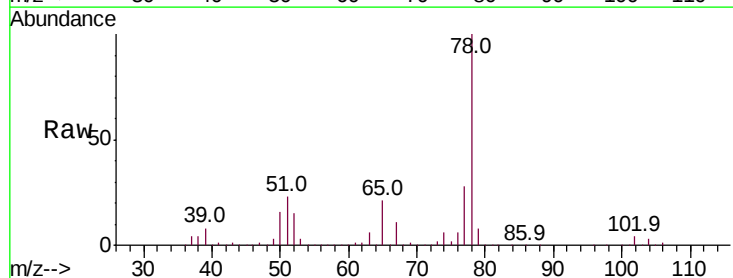
Manual Integrations
APPROVED

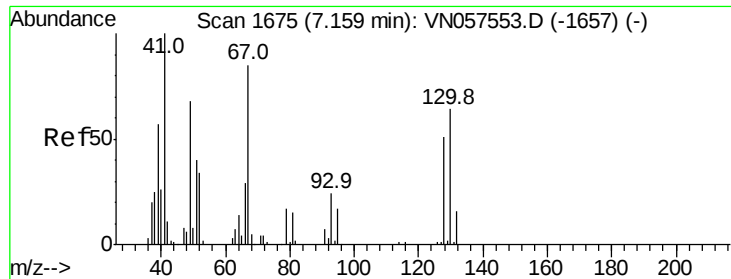
MMDadoda
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#40
Benzene
Concen: 141.476 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion	78	Resp	4217793
Ion	Ratio	Lower	Upper
78	100		
77	28.1	18.5	27.7#





#41

Methacrylonitrile

Concen: 103.519 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 448503

Ion Ratio Lower Upper

41 100

39 61.9 53.6 80.4

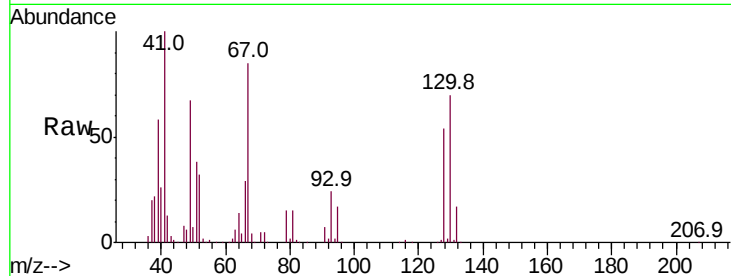
67 104.2 65.4 98.2#

52 39.7 29.8 44.6

Manual Integrations
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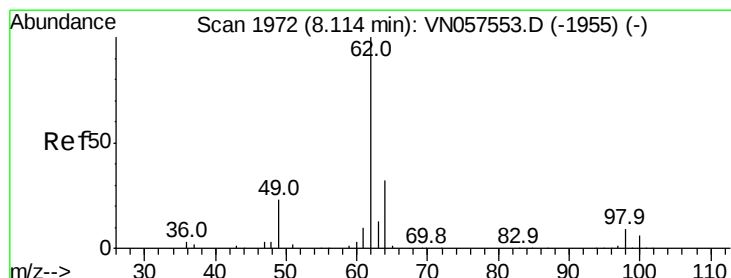
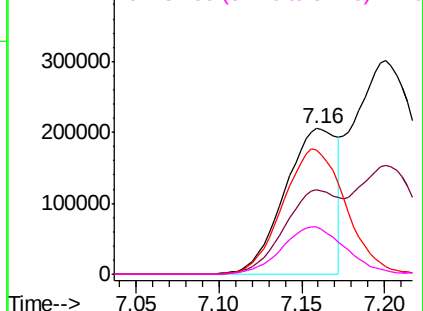
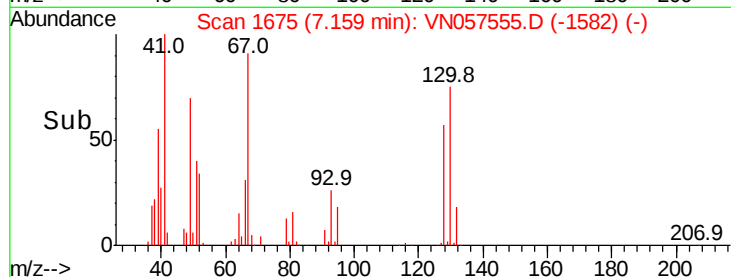


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 135.876 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN057555.D

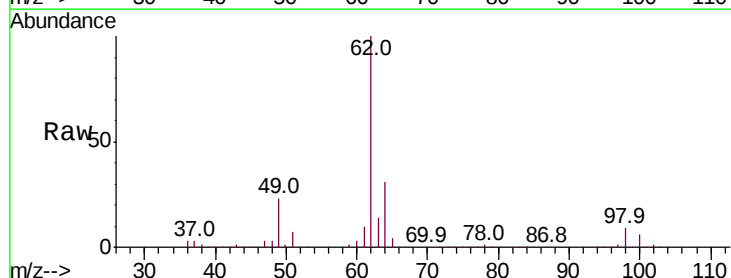
Acq: 29 Aug 2019 17:29

Tgt Ion: 62 Resp: 1538598

Ion Ratio Lower Upper

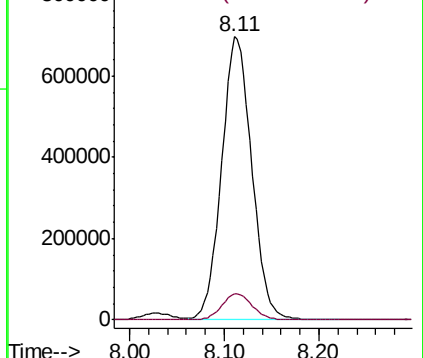
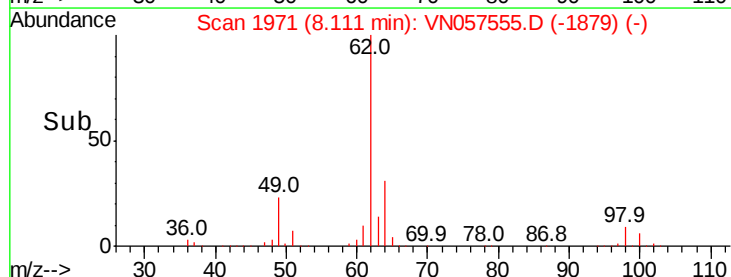
62 100

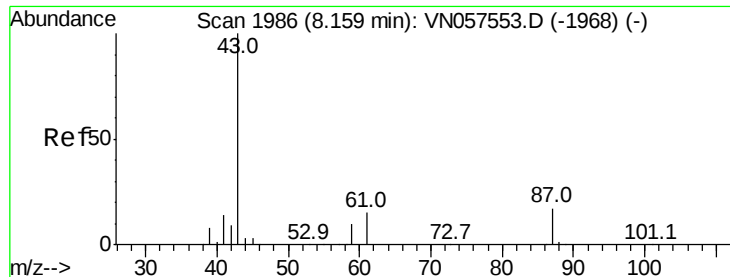
98 9.4 0.0 15.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 105.382 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1780265

Ion Ratio Lower Upper

43 100

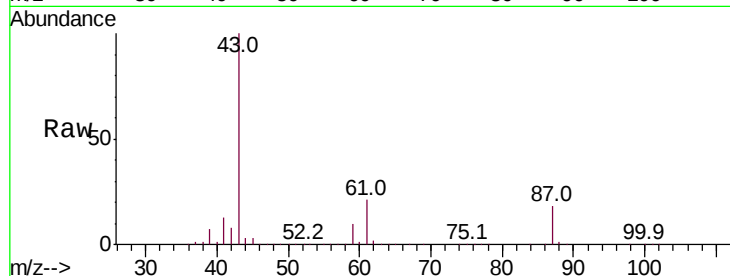
61 21.5 14.5 21.7

87 17.6 8.6 12.8#

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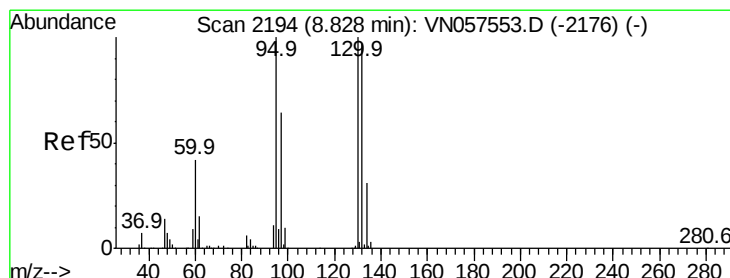
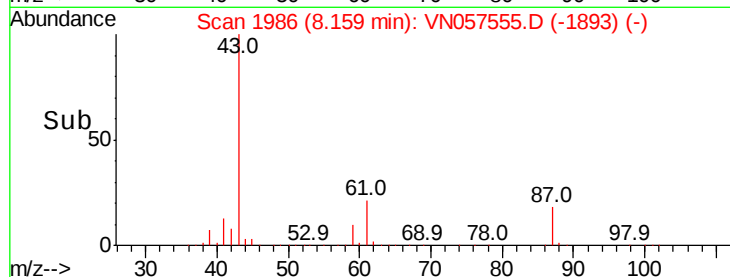
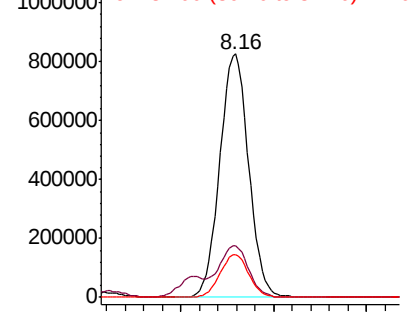
9/3/2019 2:38:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VN057555.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN057555.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN057555.D (-1968) (-)



#44

Trichloroethene

Concen: 197.383 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VN057555.D

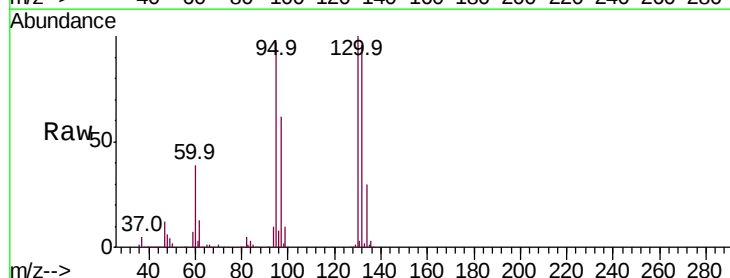
Acq: 29 Aug 2019 17:29

Tgt Ion:130 Resp: 1363947

Ion Ratio Lower Upper

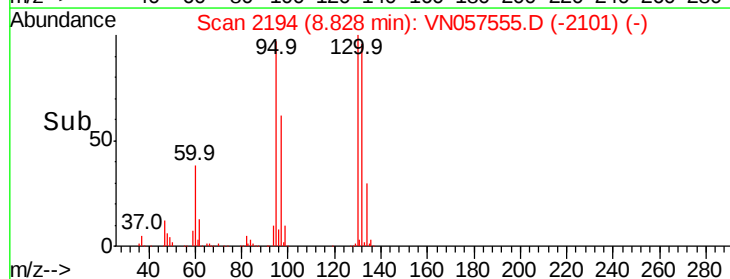
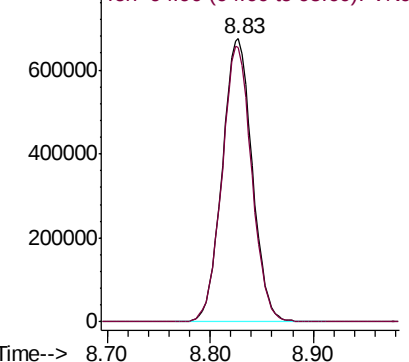
130 100

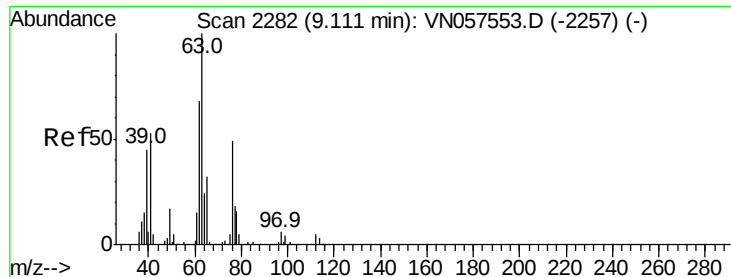
95 97.0 0.0 231.6



Abundance Ion 129.80 (129.50 to 130.50): VN057555.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN057555.D (-2176) (-)





#45

1,2-Dichloropropane

Concen: 128.617 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1049425

Ion Ratio Lower Upper

63 100

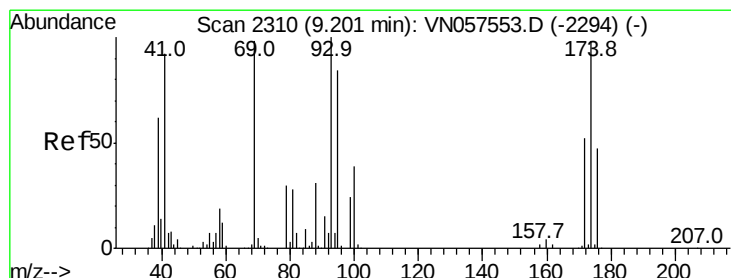
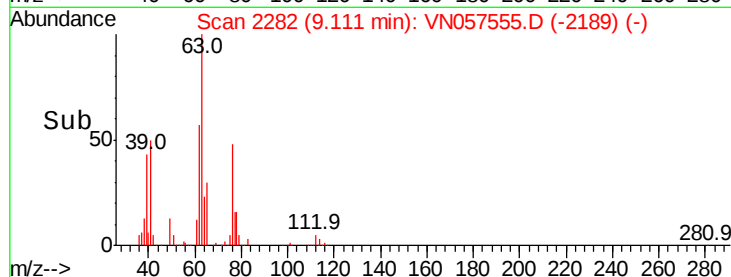
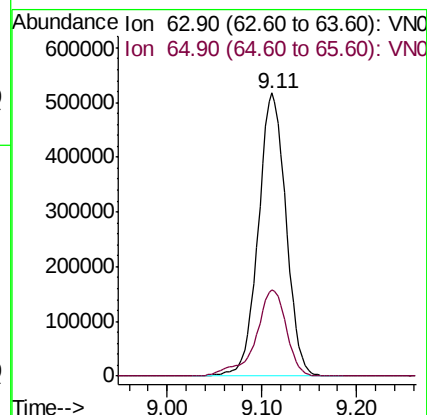
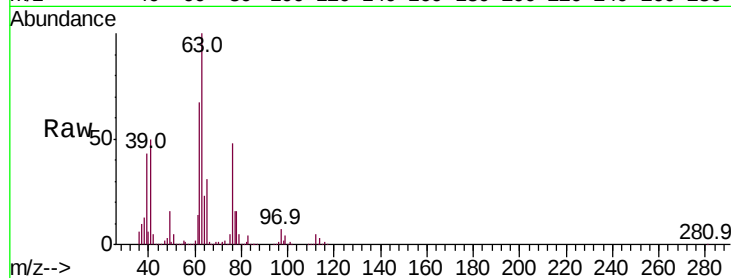
65 30.6 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 158.735 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

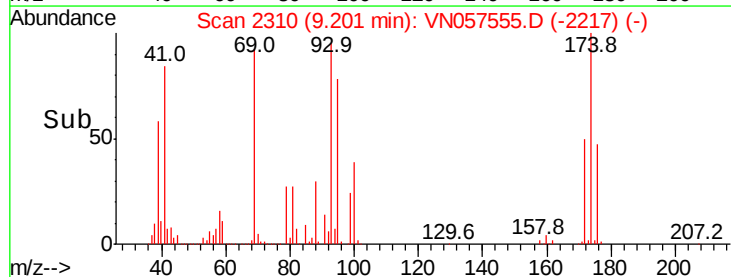
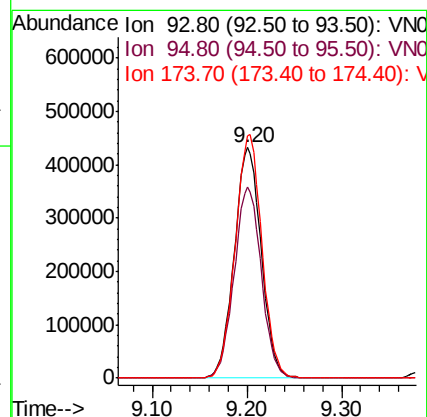
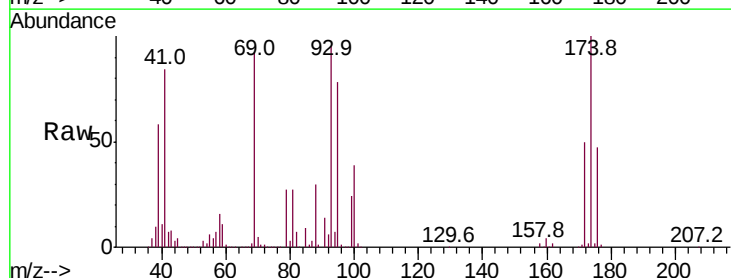
Tgt Ion: 93 Resp: 856140

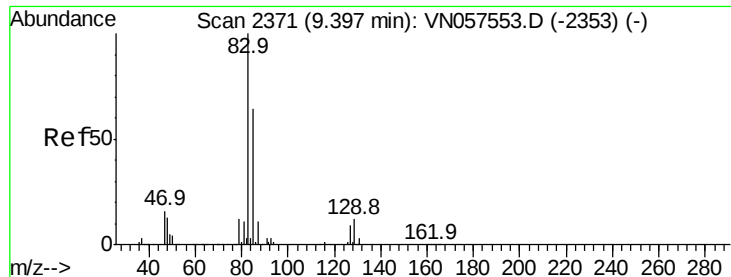
Ion Ratio Lower Upper

93 100

95 83.3 64.7 97.1

174 104.6 62.3 93.5#





#47

Bromodichloromethane

Concen: 161.428 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1801123

Ion Ratio Lower Upper

83 100

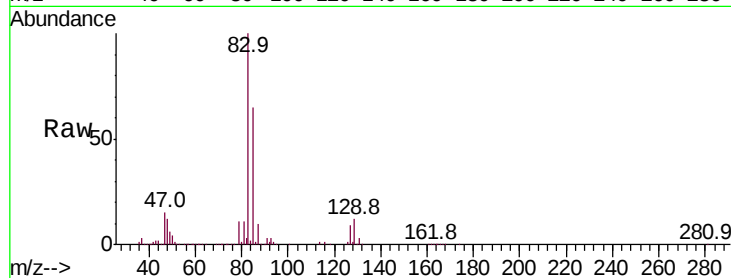
85 64.9 51.2 76.8

127 8.9 6.6 10.0

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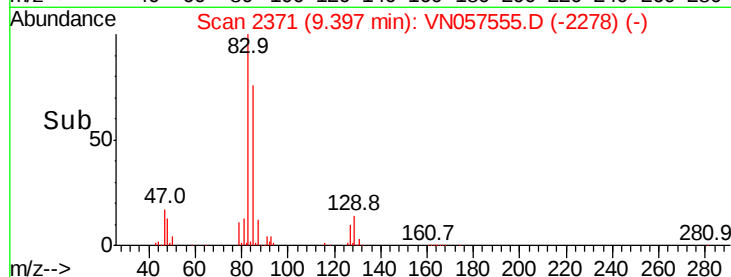


Abundance Ion 82.90 (82.60 to 83.60): VN057553.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN057553.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN057553.D (-2353) (-)

Time-->

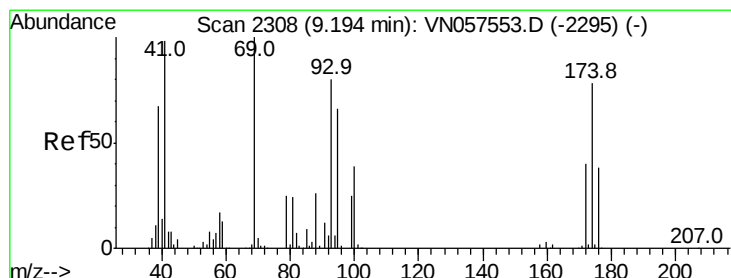


Abundance Ion 82.90 (82.60 to 83.60): VN057555.D (-2278) (-)

Ion 84.90 (84.60 to 85.60): VN057555.D (-2278) (-)

Ion 126.80 (126.50 to 127.50): VN057555.D (-2278) (-)

Time-->



#48

Methyl methacrylate

Concen: 101.517 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

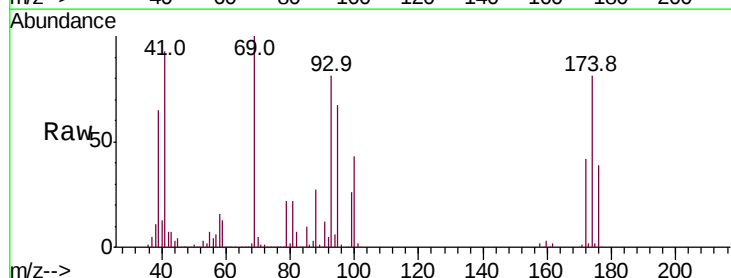
Tgt Ion: 41 Resp: 810656

Ion Ratio Lower Upper

41 100

69 107.7 59.3 88.9#

39 69.6 50.6 75.8

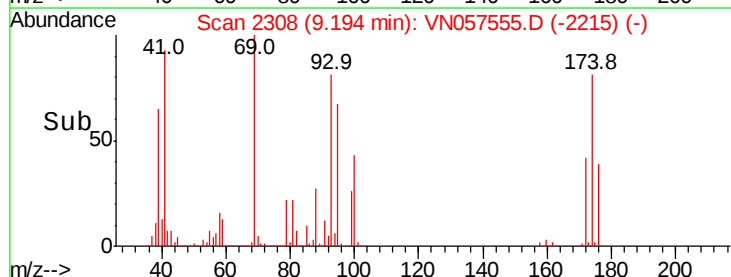


Abundance Ion 41.00 (40.70 to 41.70): VN057553.D (-2295) (-)

Ion 69.00 (68.70 to 69.70): VN057553.D (-2295) (-)

Ion 39.00 (38.70 to 39.70): VN057553.D (-2295) (-)

Time-->

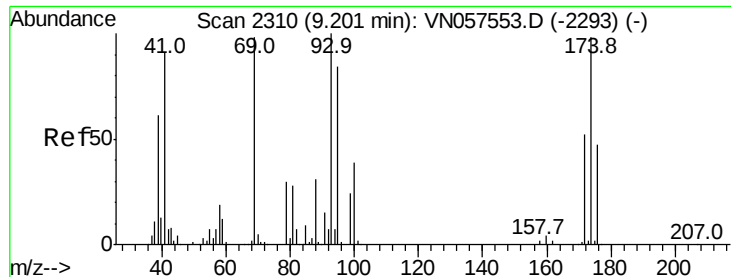


Abundance Ion 41.00 (40.70 to 41.70): VN057555.D (-2215) (-)

Ion 69.00 (68.70 to 69.70): VN057555.D (-2215) (-)

Ion 39.00 (38.70 to 39.70): VN057555.D (-2215) (-)

Time-->



#49

1,4-Dioxane

Concen: 3035.337 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

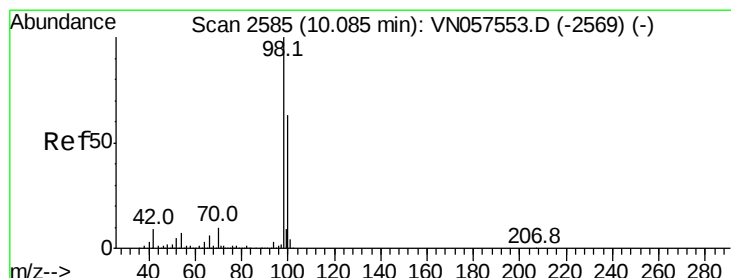
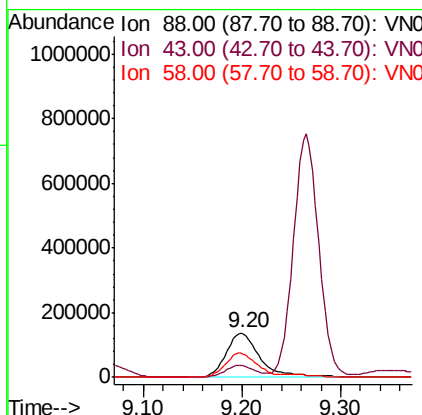
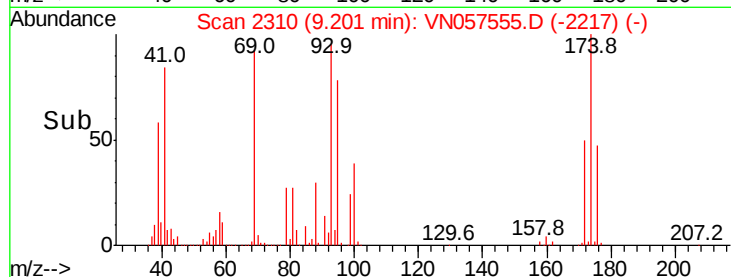
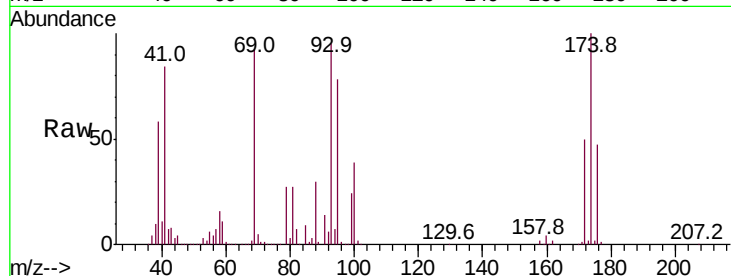
VSTDIC150

Tot Ion: 88 Resp: 331860

Ion	Ratio	Lower	Upper
88	100		
43	22.4	31.0	46.6#
58	51.9	64.5	96.7#

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#50

Toluene-d8

Concen: 152.340 ug/l

RT: 10.08 min Scan# 2585

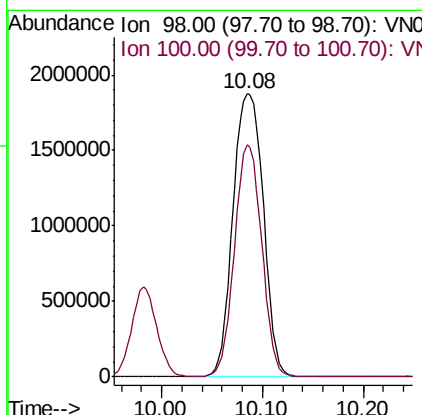
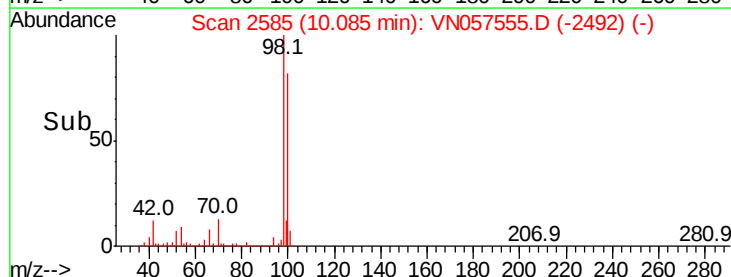
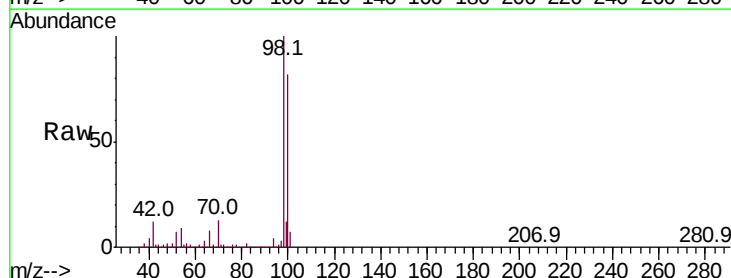
Delta R.T. -0.00 min

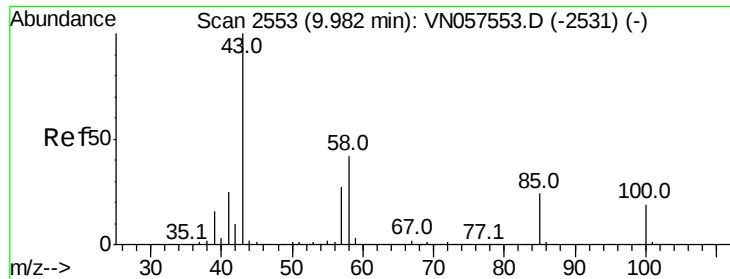
Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Tgt Ion: 98 Resp: 3927484

Ion	Ratio	Lower	Upper
98	100		
100	73.6	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 425.147 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3989155

Ion Ratio Lower Upper

43 100

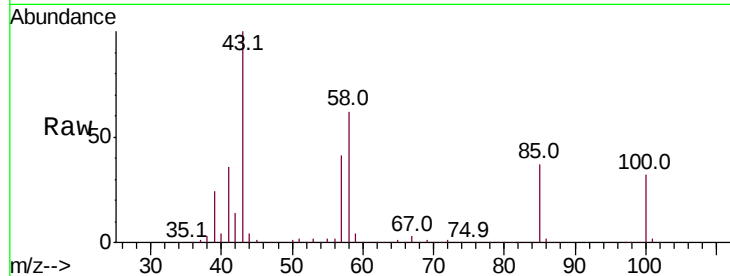
58 52.8 27.9 41.9#

Manual Integrations

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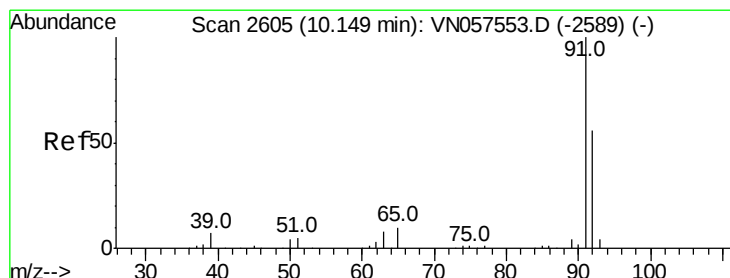
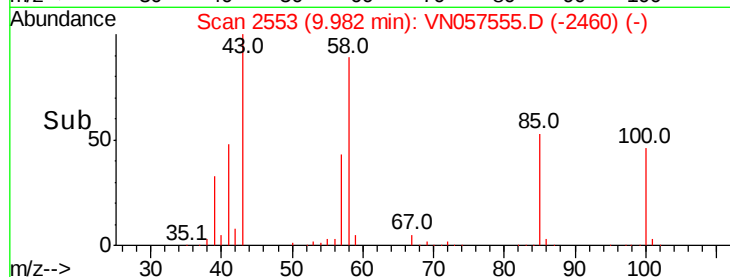
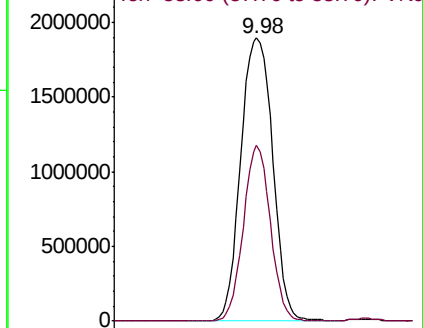
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 171.068 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057555.D

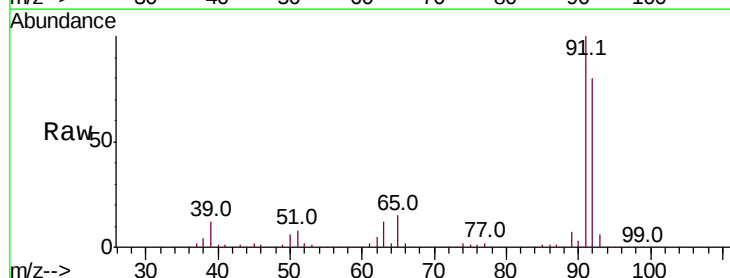
Acq: 29 Aug 2019 17:29

Tgt Ion: 92 Resp: 3018611

Ion Ratio Lower Upper

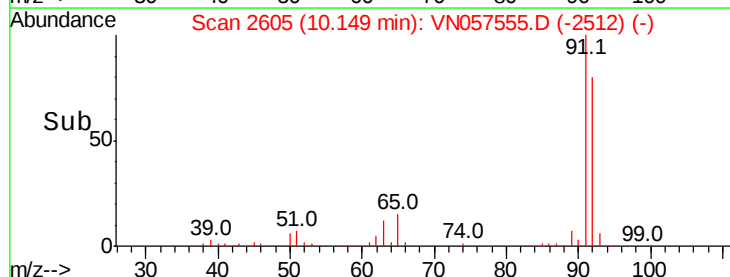
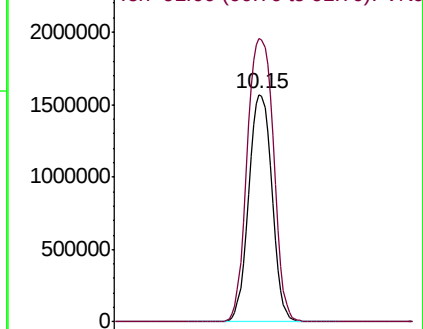
92 100

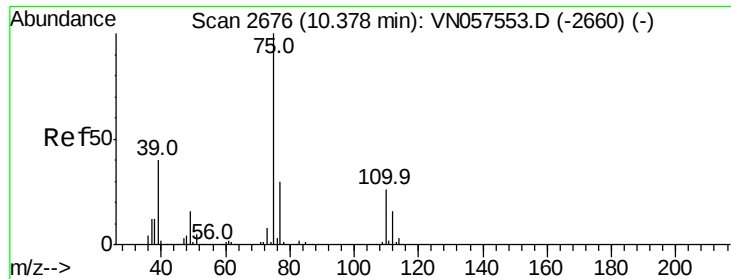
91 141.8 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





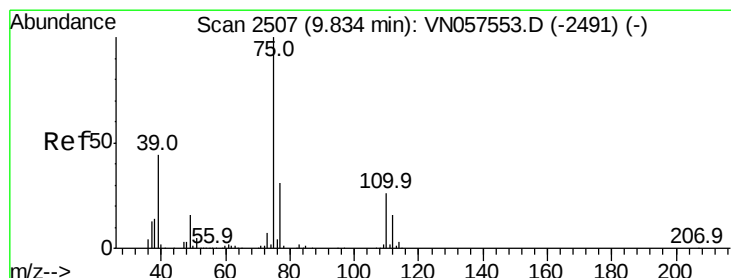
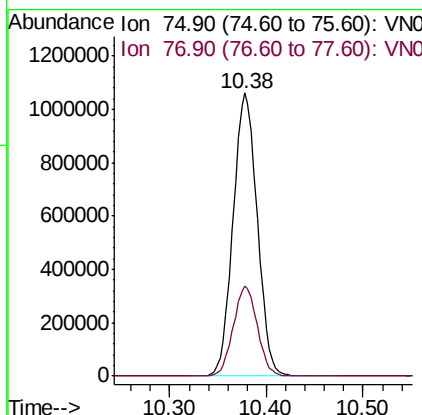
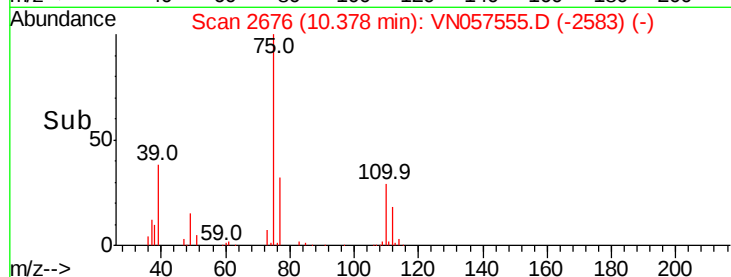
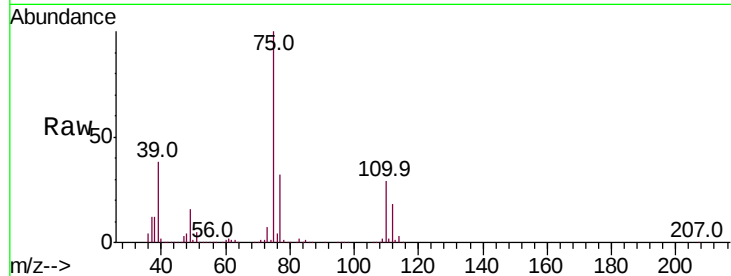
#53
 t-1,3-Dichloropropene
 Concen: 159.215 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. -0.00 min
 Lab File: VN057555.D
 Acq: 29 Aug 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 1845863
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.0 37.6

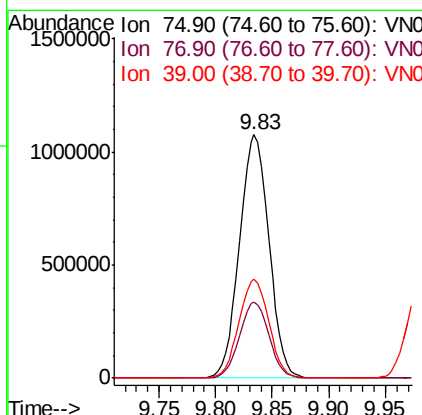
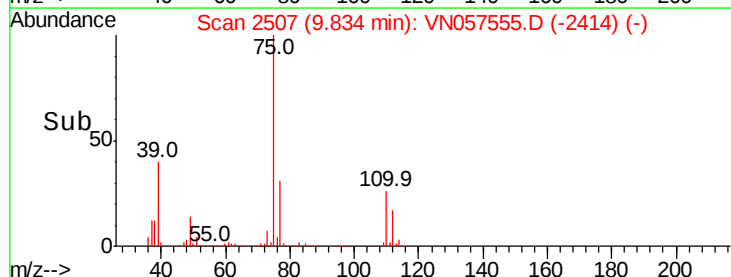
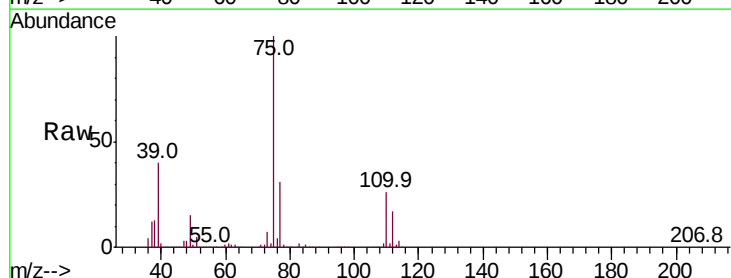
Manual Integrations
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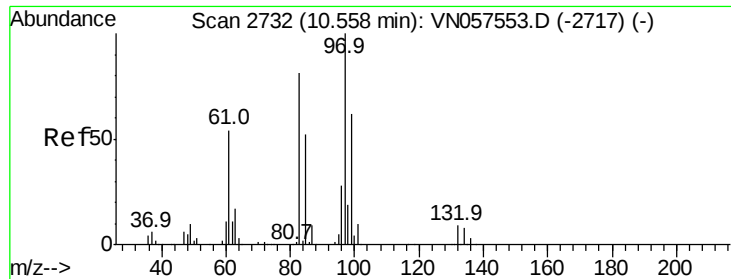
MMDadoda
 9/3/2019 2:38:44 AM



#54
 cis-1,3-Dichloropropene
 Concen: 152.599 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057555.D
 Acq: 29 Aug 2019 17:29

Tgt Ion: 75 Resp: 1961229
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.6
 39 40.4 49.2 73.8#





#55

1,1,2-Trichloroethane

Concen: 170.930 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 97 Resp: 1213970

Ion	Ratio	Lower	Upper
97	100		
83	82.9	73.7	110.5
85	53.4	46.8	70.2
99	62.9	49.8	74.8

Ion 97 100

Ion 83 82.9 73.7 110.5

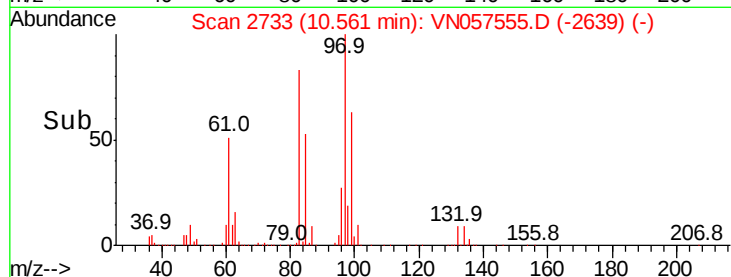
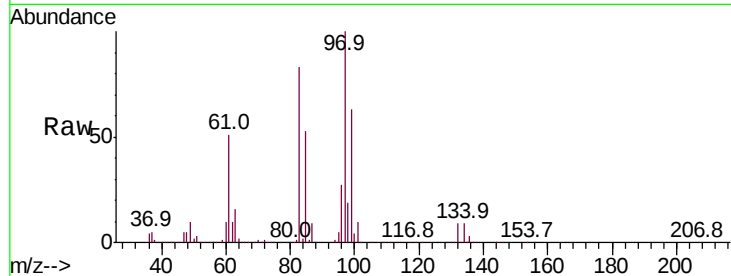
Ion 85 53.4 46.8 70.2

Ion 99 62.9 49.8 74.8

Manual Integrations
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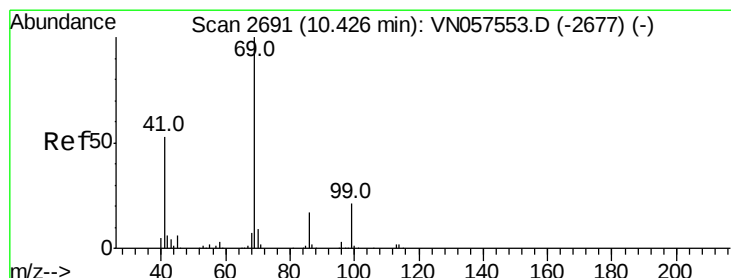
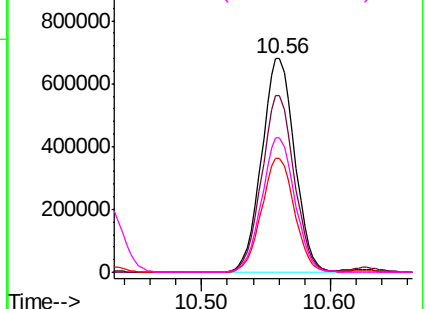
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 152.032 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

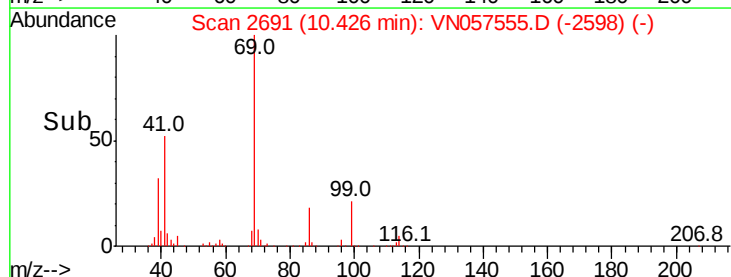
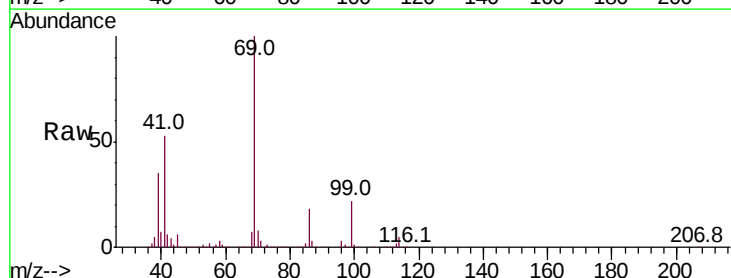
Tgt Ion: 69 Resp: 1635550

Ion	Ratio	Lower	Upper
69	100		
41	52.0	60.8	91.2#
39	34.8	36.5	54.7#

Ion 69 100

Ion 41 52.0 60.8 91.2#

Ion 39 34.8 36.5 54.7#

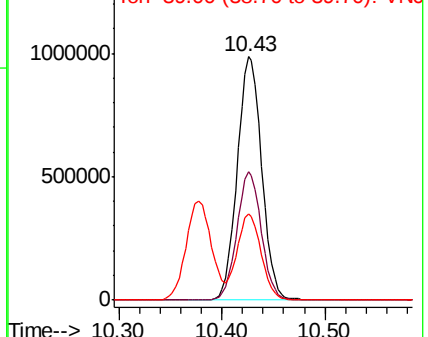


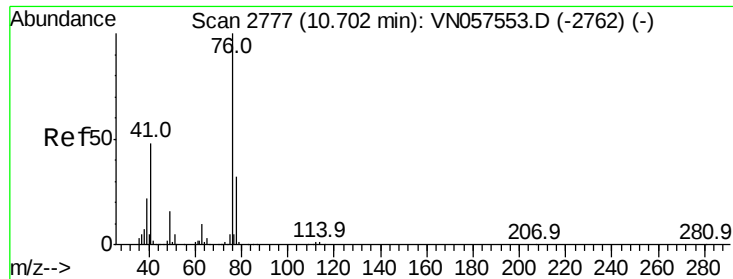
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 154.257 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1860268

Ion Ratio Lower Upper

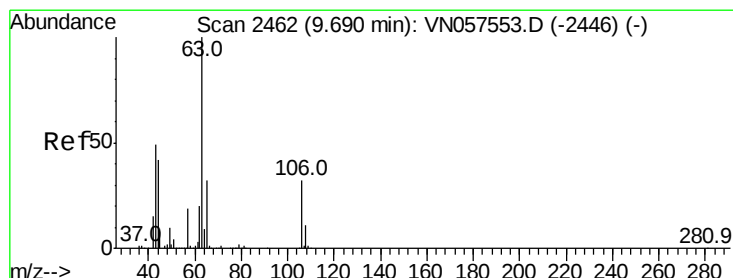
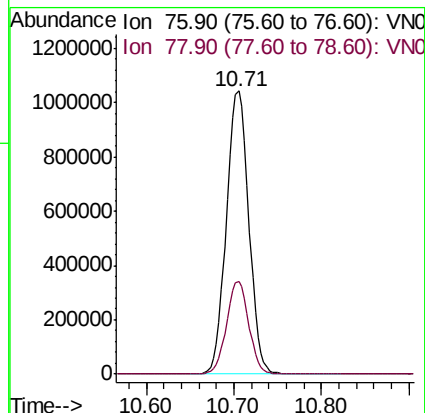
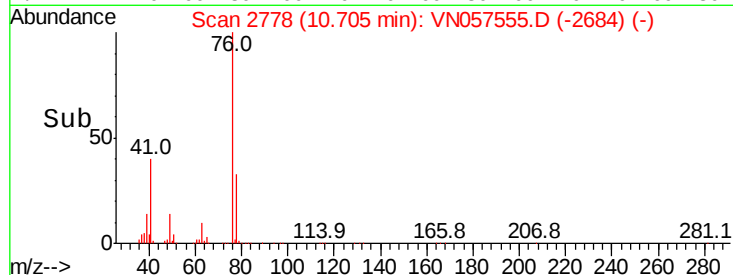
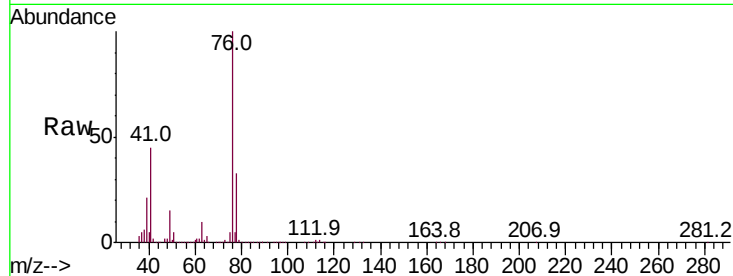
76 100

78 32.4 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 872.326 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057555.D

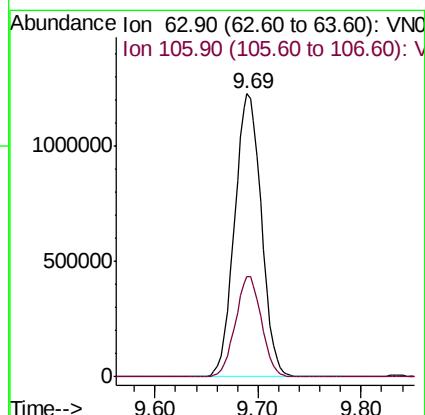
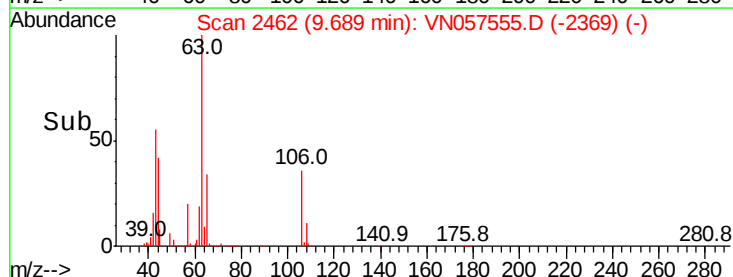
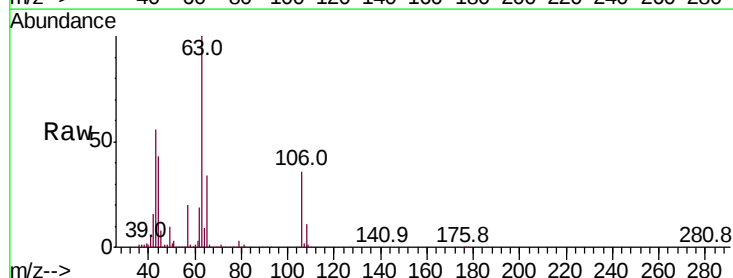
Acq: 29 Aug 2019 17:29

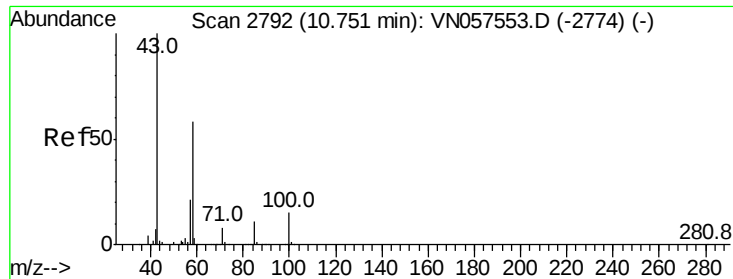
Tgt Ion: 63 Resp: 2218834

Ion Ratio Lower Upper

63 100

106 34.6 18.6 27.8#





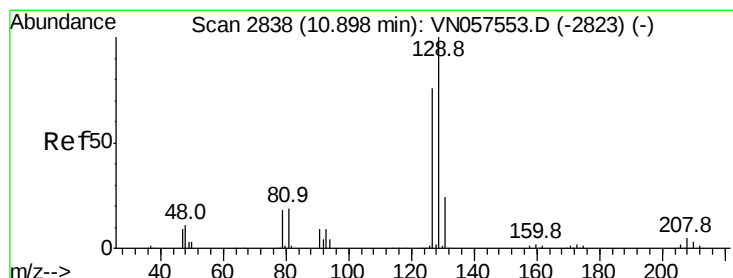
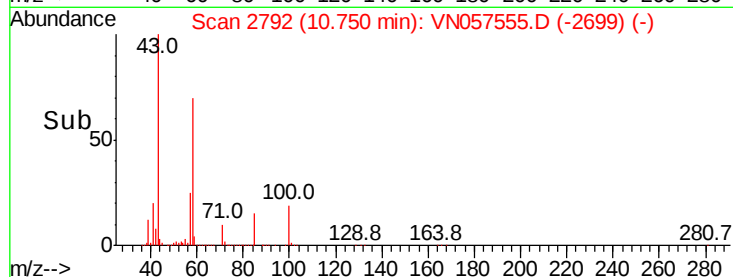
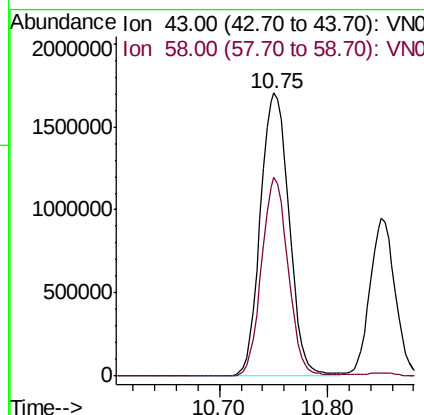
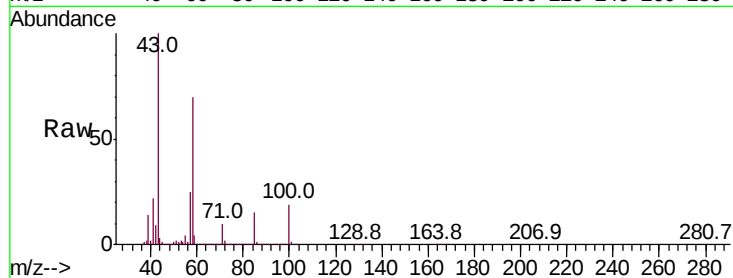
#59
2-Hexanone
Concen: 487.048 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3140565
Ion Ratio Lower Upper
43 100
58 65.2 24.6 73.6

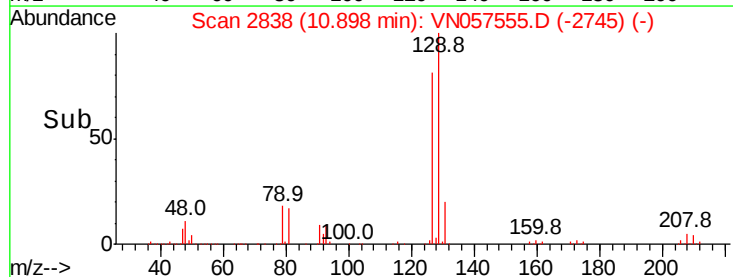
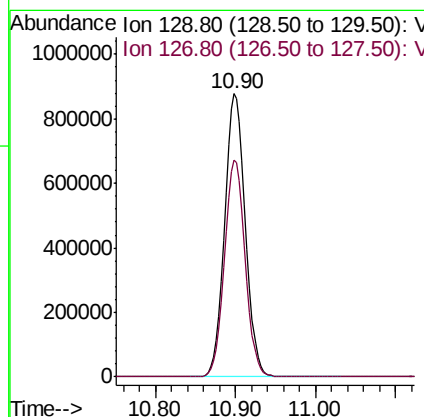
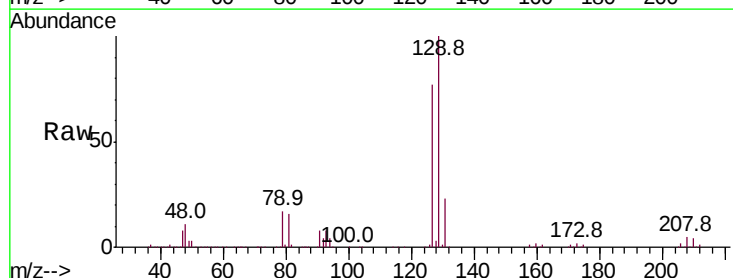
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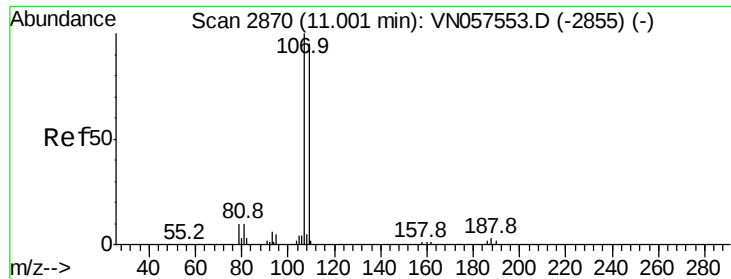
MMDadoda
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#60
Dibromochloromethane
Concen: 204.212 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 129 Resp: 1566960
Ion Ratio Lower Upper
129 100
127 76.8 39.0 116.9





#61

1,2-Dibromoethane

Concen: 188.976 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 1329608

Ion Ratio Lower Upper

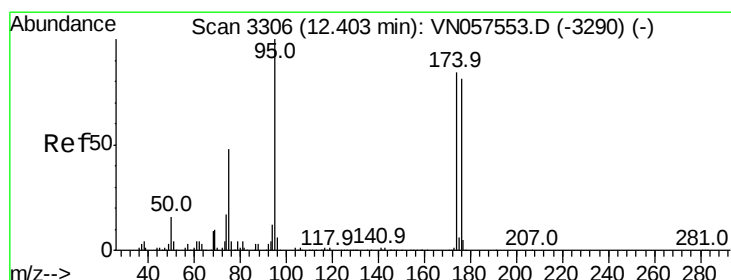
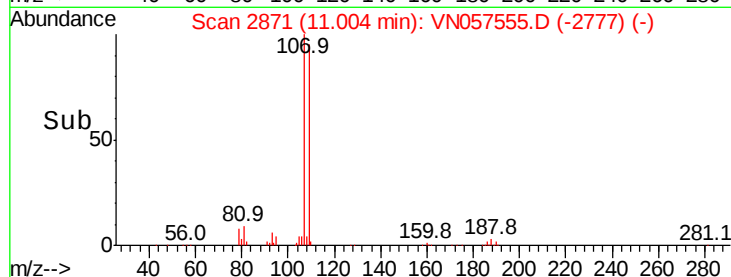
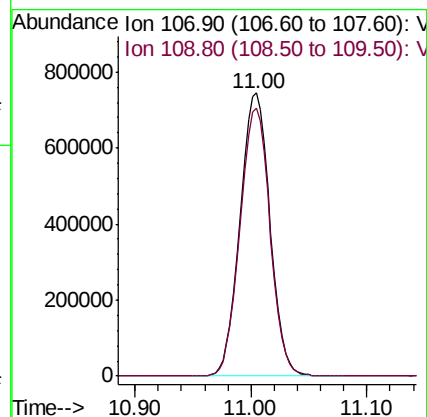
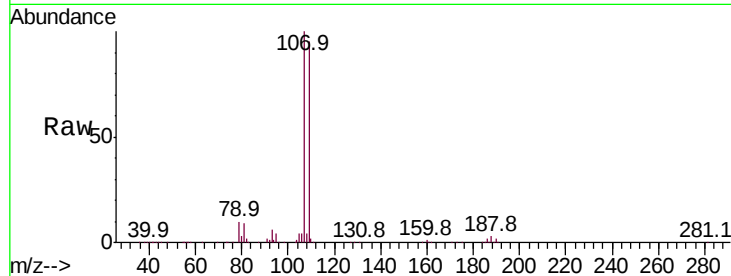
107 100

109 95.3 73.8 110.8

Manual Integrations
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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 192.622 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

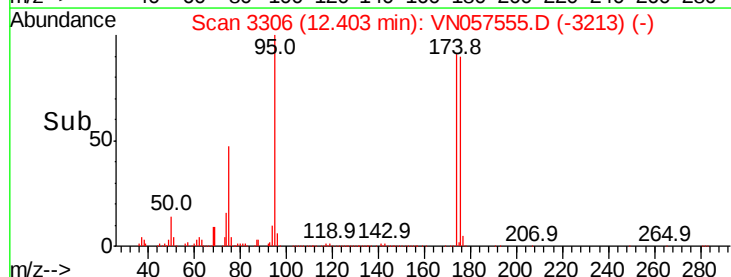
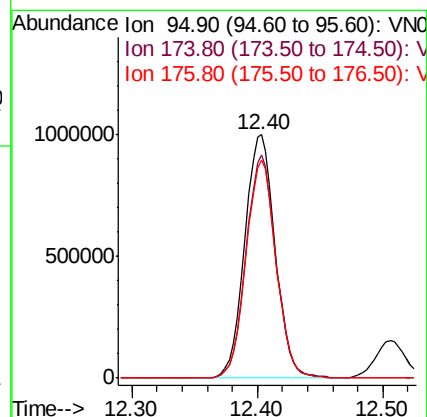
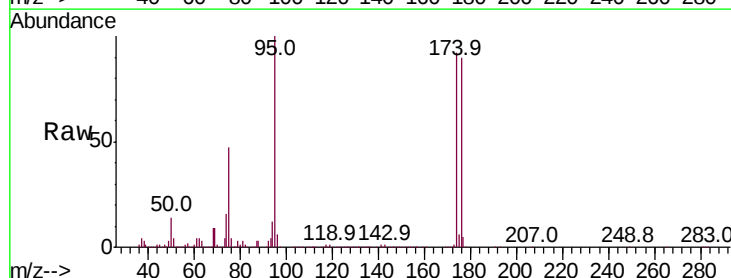
Tgt Ion: 95 Resp: 1684278

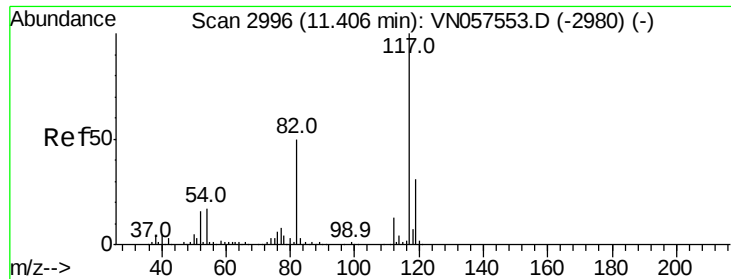
Ion Ratio Lower Upper

95 100

174 90.2 0.0 133.0

176 88.4 0.0 130.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

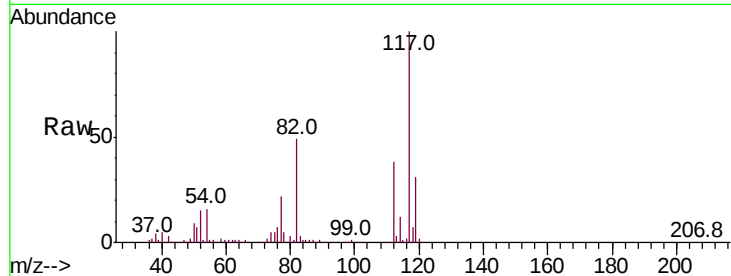
ClientSampleId :

VSTDIC150

Tot Ion:117	Resp:	923994
Ion Ratio	Lower	Upper
117 100		
82 48.9	50.6	75.8#
119 31.2	24.6	36.8

Manual Integrations
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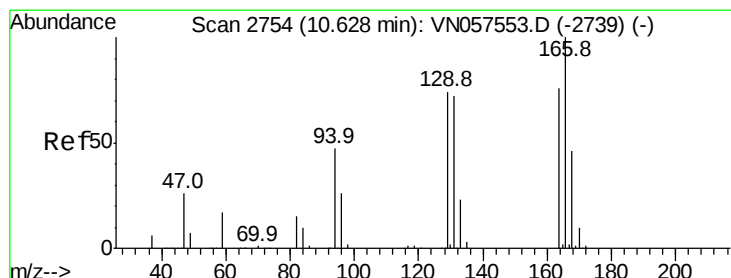
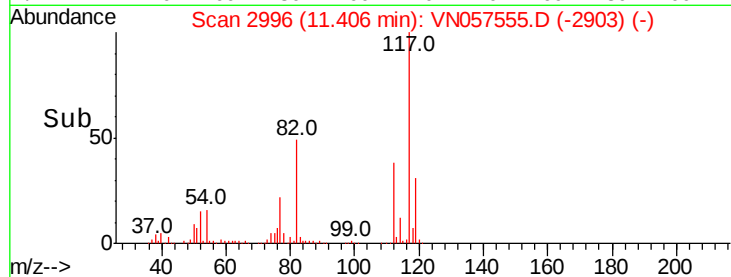
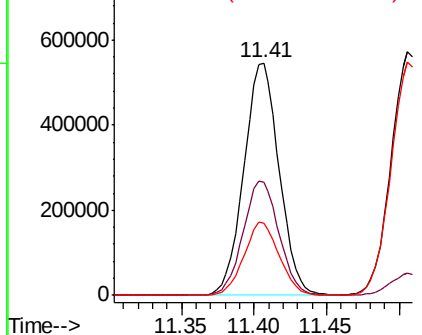


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 188.585 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Tgt Ion:164	Resp:	1310273
Ion Ratio	Lower	Upper
164 100		
166 129.4	104.4	156.6
129 96.2	86.6	130.0
131 91.6	77.6	116.4

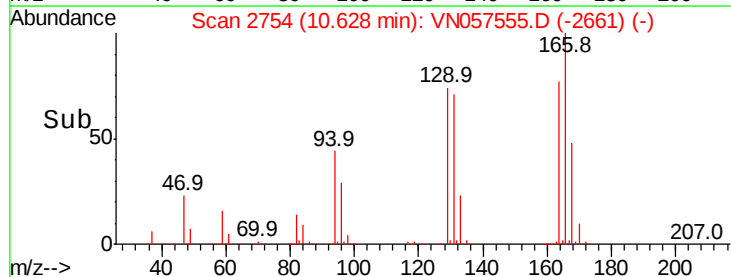
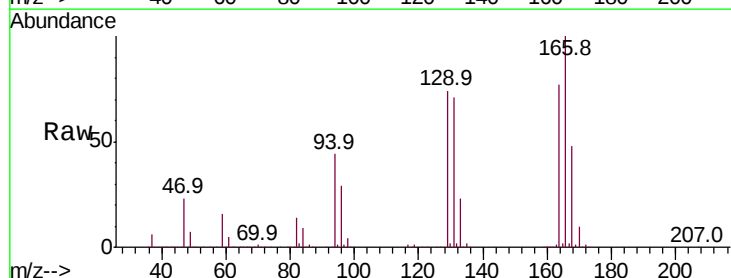
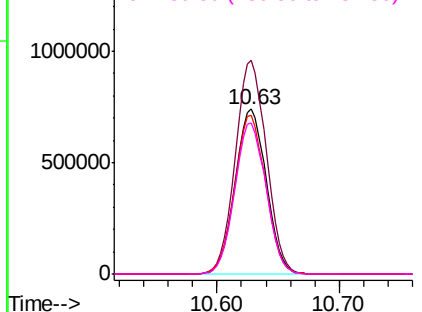
Abundance

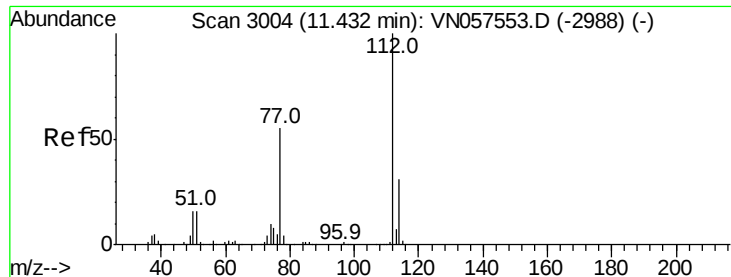
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





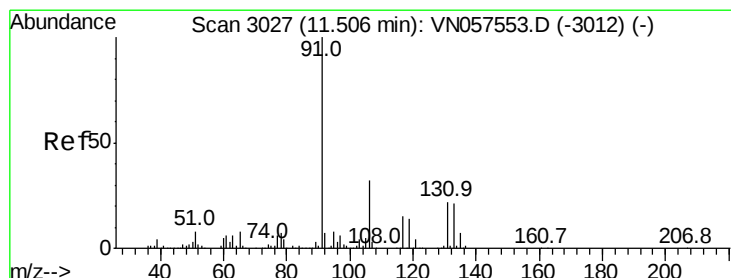
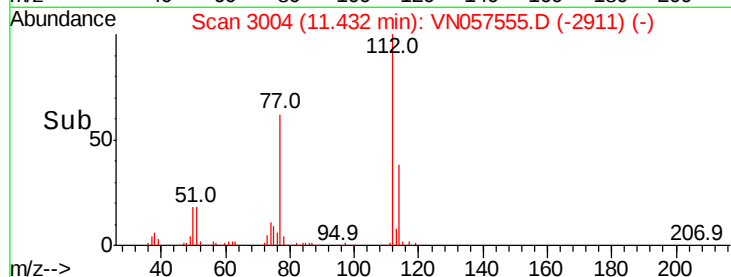
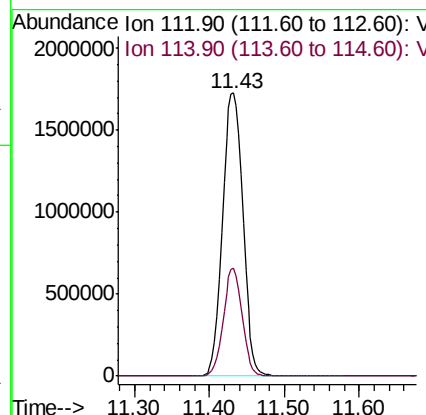
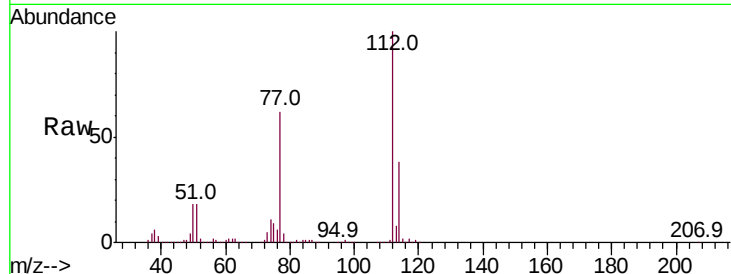
#65
Chlorobenzene
Concen: 165.621 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 3262855
Ion Ratio Lower Upper
112 100
114 38.1 24.8 37.2#

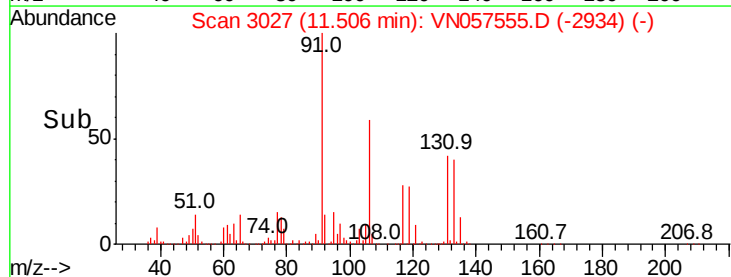
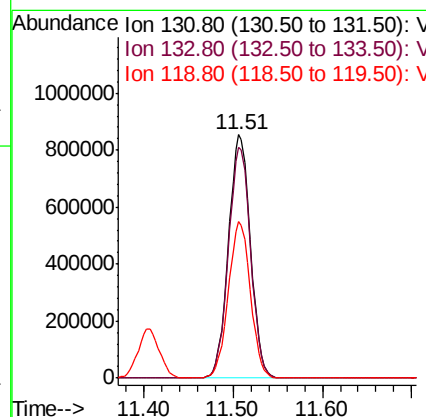
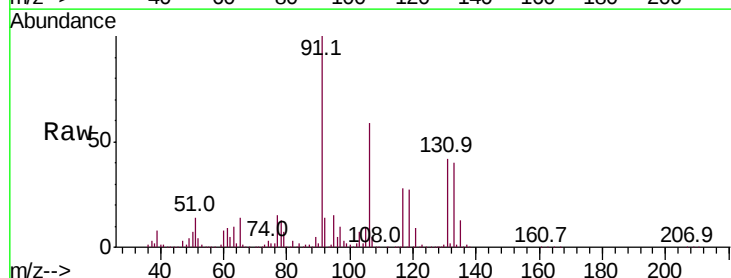
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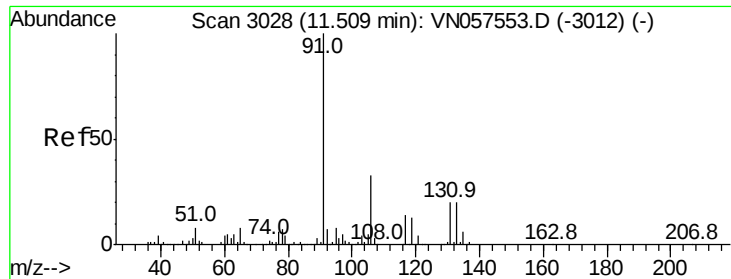
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 191.351 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion:131 Resp: 1453639
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.8
119 64.3 34.4 103.2





#67

Ethyl Benzene

Concen: 115.335 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 4317451

Ion Ratio Lower Upper

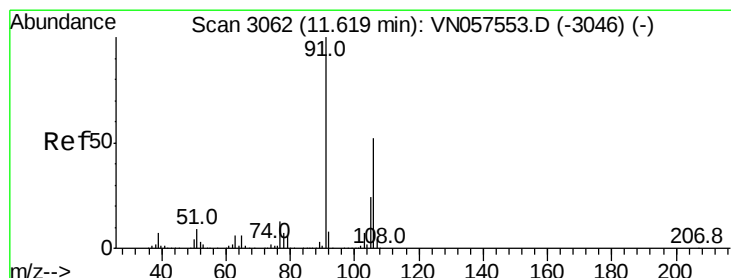
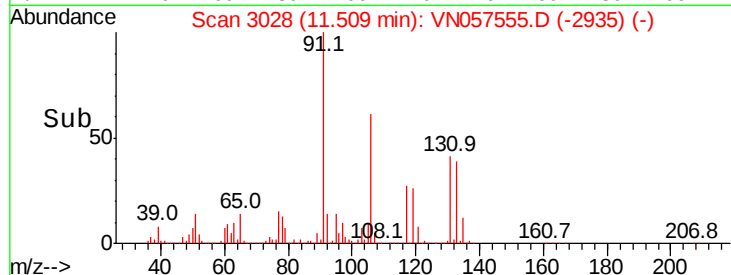
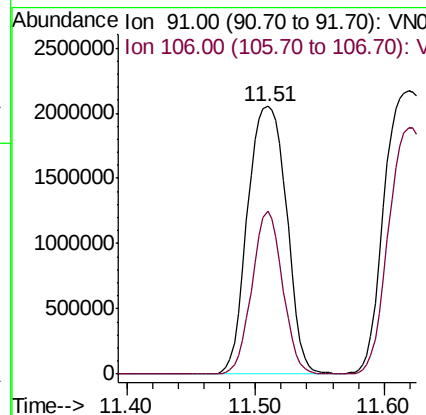
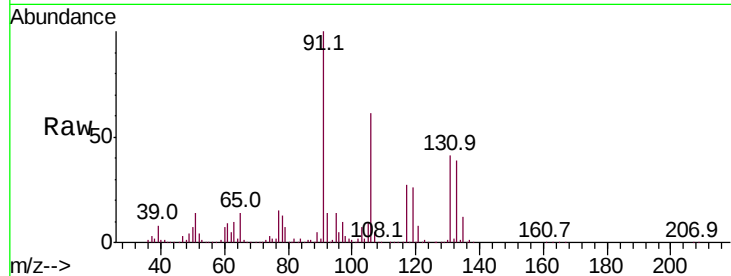
91 100

106 60.7 24.1 36.1#

Manual Integrations
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#68

m/p-Xylenes

Concen: 325.386 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057555.D

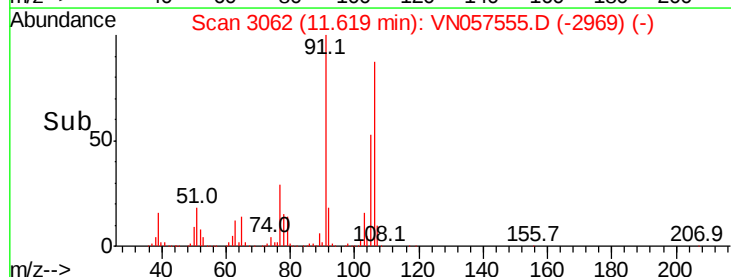
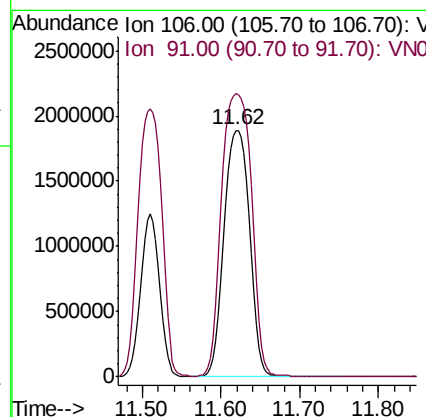
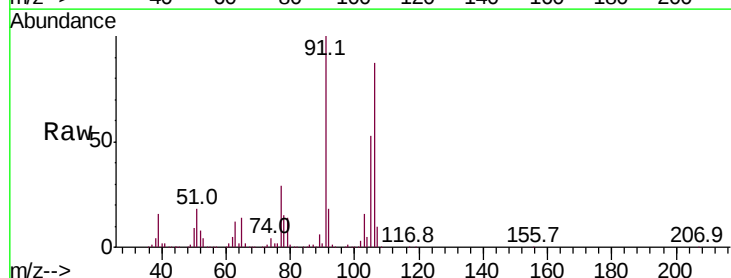
Acq: 29 Aug 2019 17:29

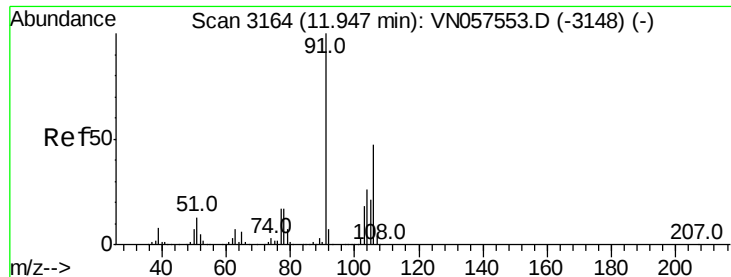
Tgt Ion:106 Resp: 4232619

Ion Ratio Lower Upper

106 100

91 135.5 171.8 257.6#





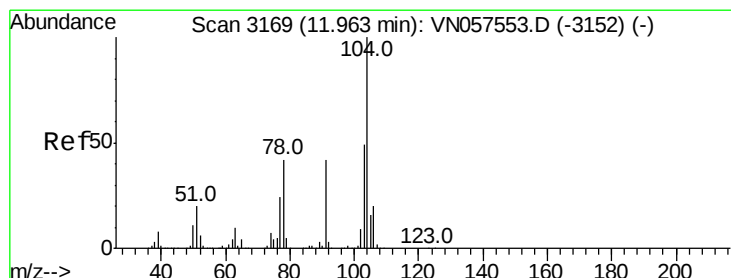
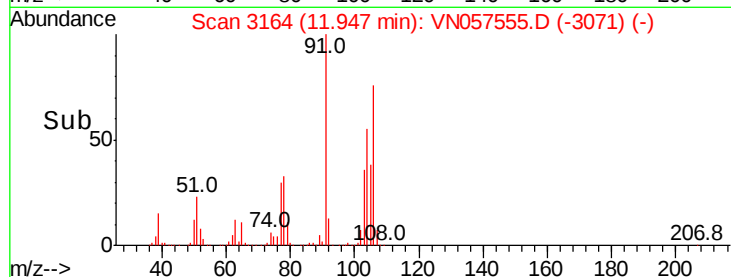
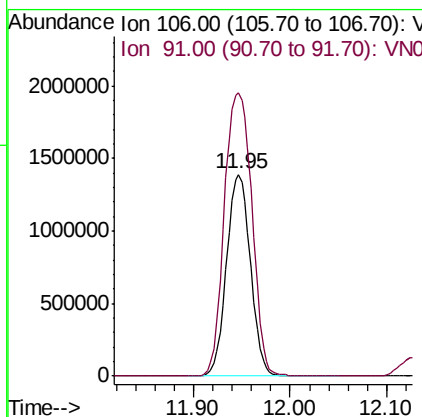
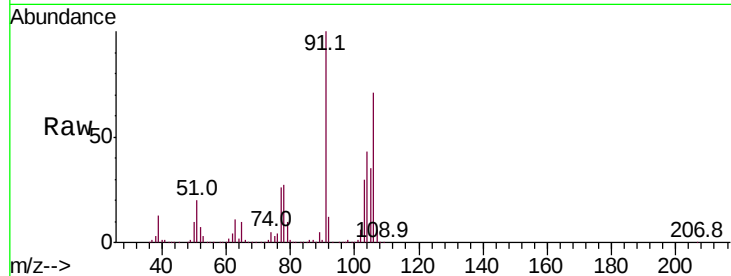
#69
o-Xylene
Concen: 185.528 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 2380494
Ion Ratio Lower Upper
106 100
91 162.5 112.3 336.9

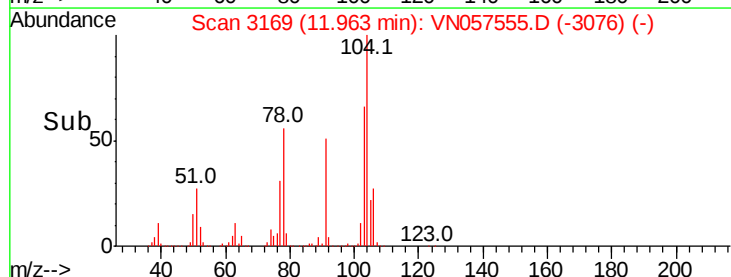
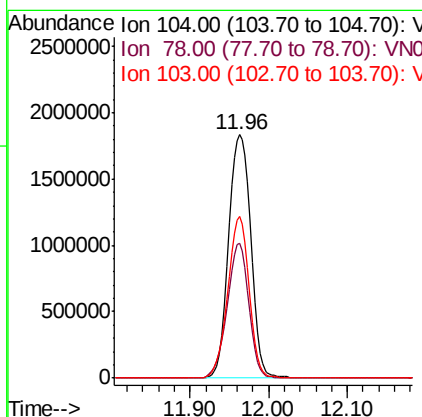
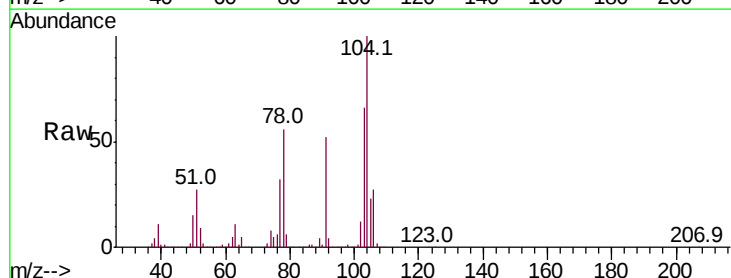
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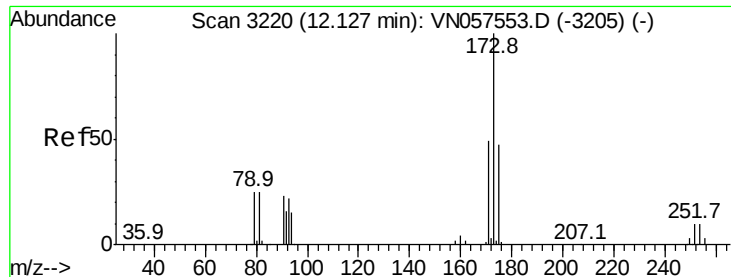
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#70
Styrene
Concen: 175.407 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion:104 Resp: 3568521
Ion Ratio Lower Upper
104 100
78 53.9 44.7 67.1
103 63.7 44.4 66.6





#71

Bromoform

Concen: 221.598 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 1143544

Ion Ratio Lower Upper

173 100

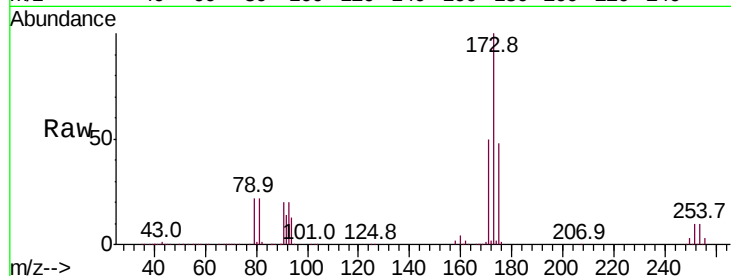
175 47.4 23.9 71.8

254 0.1 0.1 0.1#

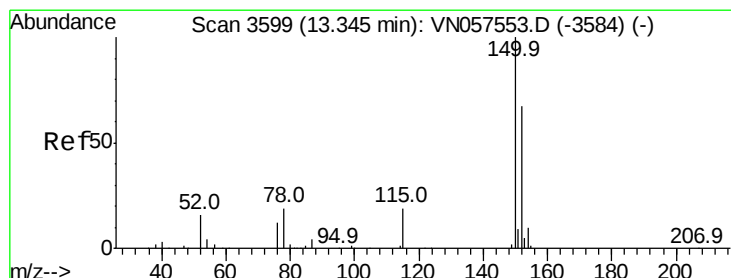
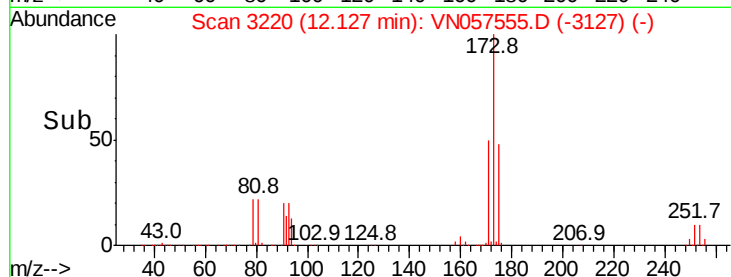
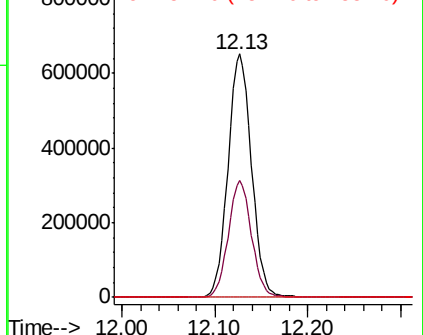
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

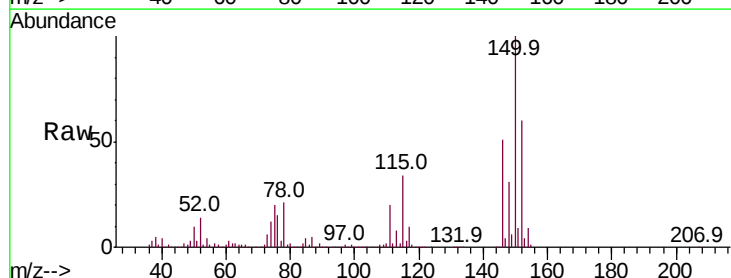
Tgt Ion:152 Resp: 535084

Ion Ratio Lower Upper

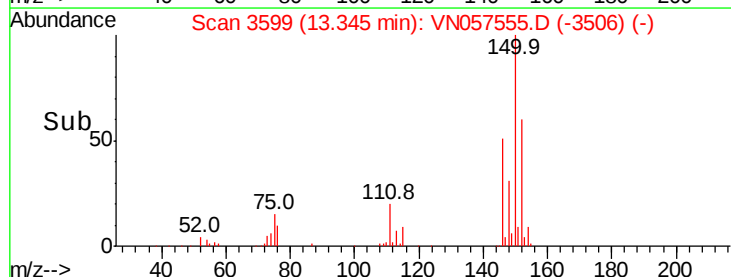
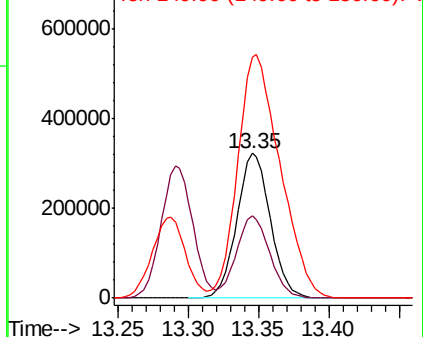
152 100

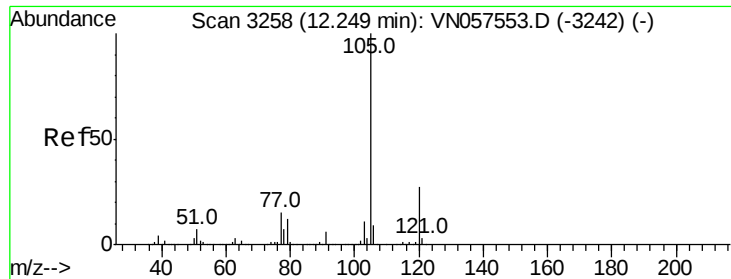
115 56.6 32.0 96.0

150 213.1 0.0 346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 73.864 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 4419491

Ion Ratio Lower Upper

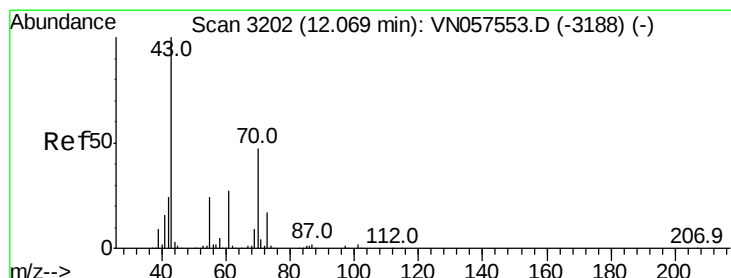
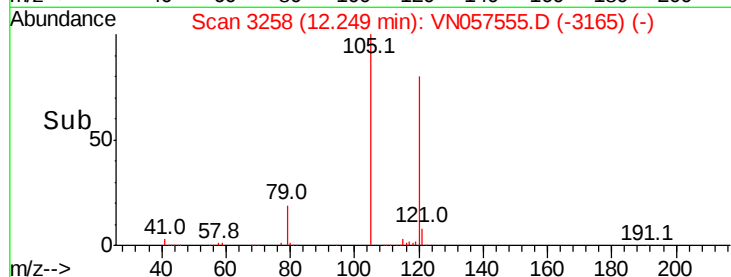
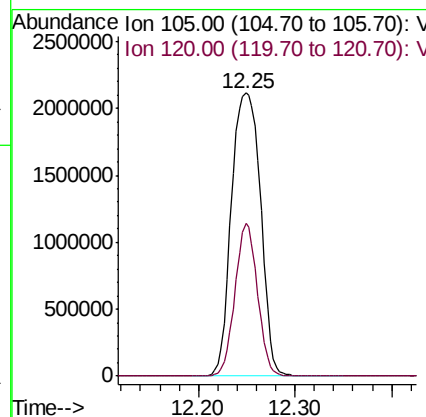
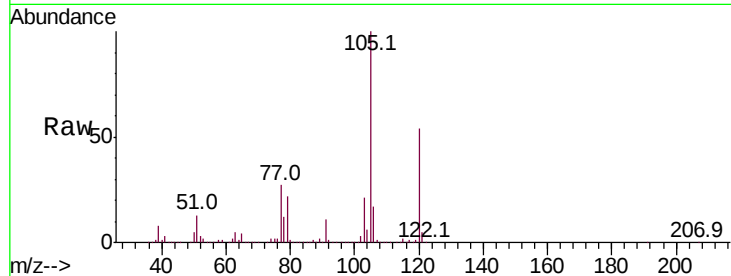
105 100

120 41.7 12.7 38.0#

Manual Integrations
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MMDadoda

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#74

N-ethyl acetate

Concen: 62.545 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Tgt Ion: 43 Resp: 1601693

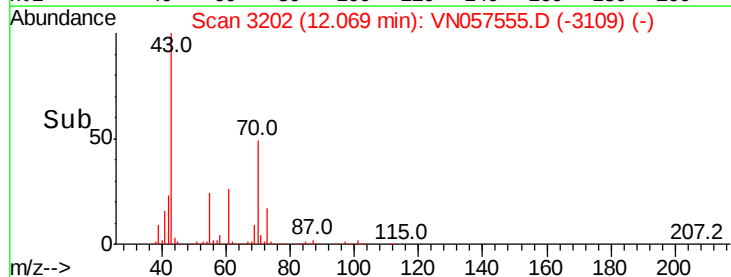
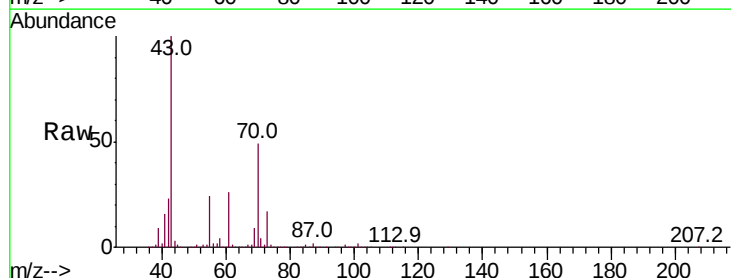
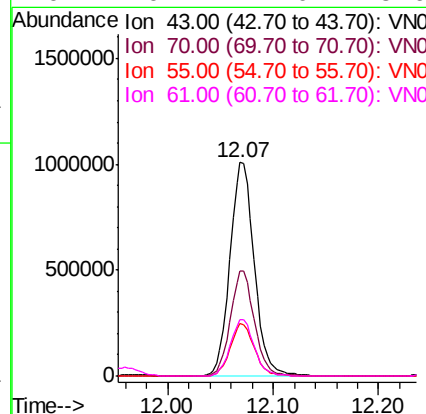
Ion Ratio Lower Upper

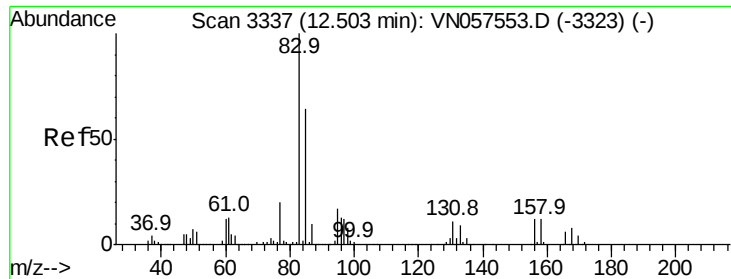
43 100

70 48.7 27.8 41.6#

55 24.3 17.0 25.4

61 26.2 17.0 25.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 87.657 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1504253

Ion Ratio Lower Upper

83 100

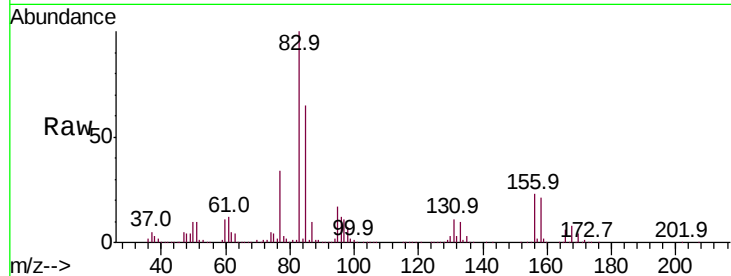
131 11.6 4.3 13.1

85 64.8 32.3 96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

1200000

800000

600000

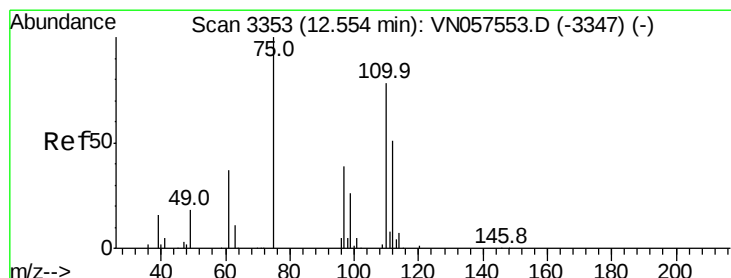
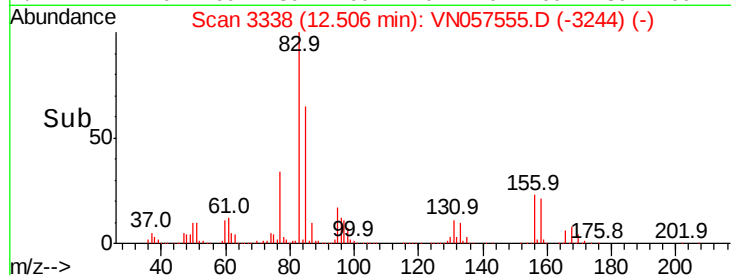
400000

200000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 96.977 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN057555.D

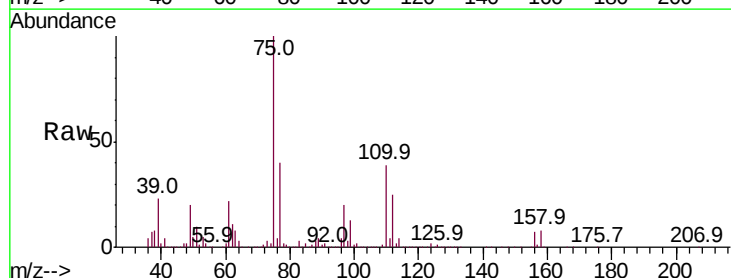
Acq: 29 Aug 2019 17:29

Tgt Ion: 75 Resp: 1286701

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

1500000

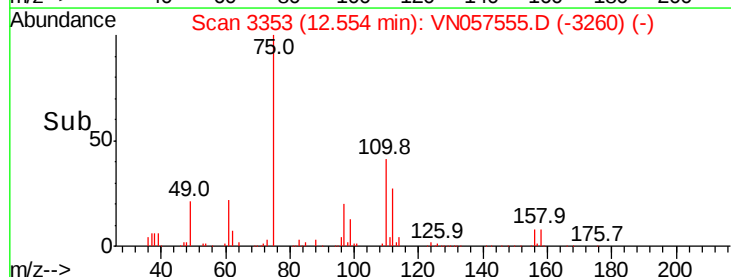
1000000

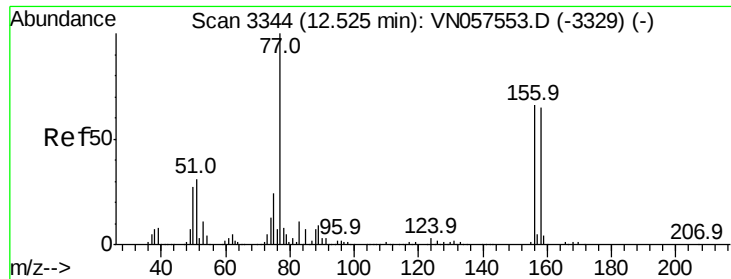
500000

0

12.55

Time-->





#77

Bromobenzene

Concen: 139.743 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1698280

Ion Ratio Lower Upper

156 100

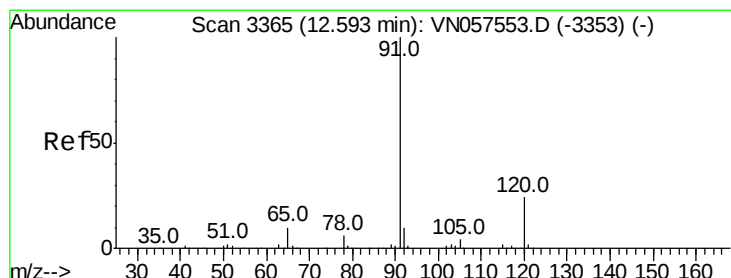
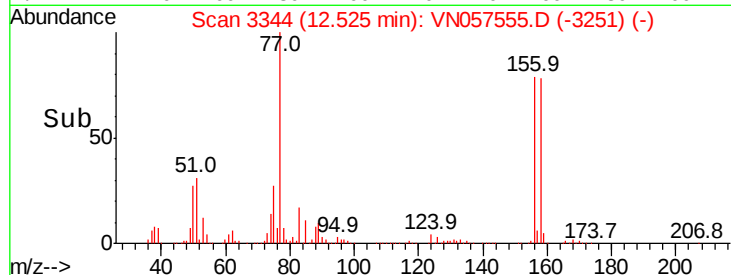
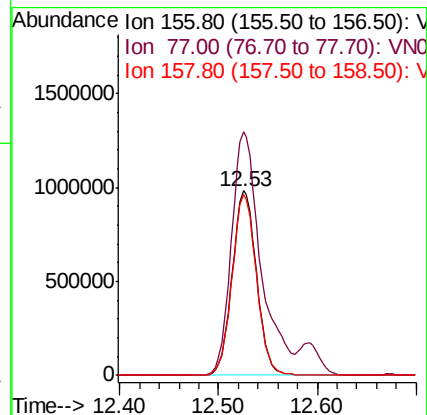
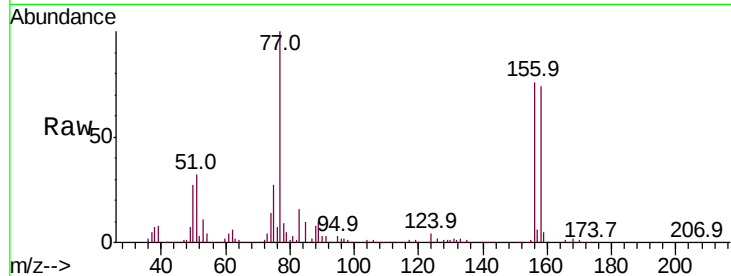
77 159.4 124.4 373.3

158 97.6 48.3 144.8

Manual Integrations
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MMDadoda

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#78

n-propylbenzene

Concen: 72.058 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057555.D

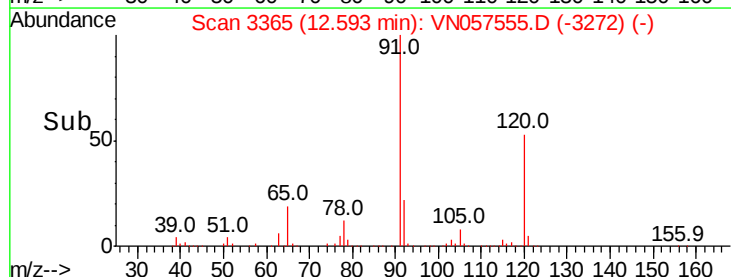
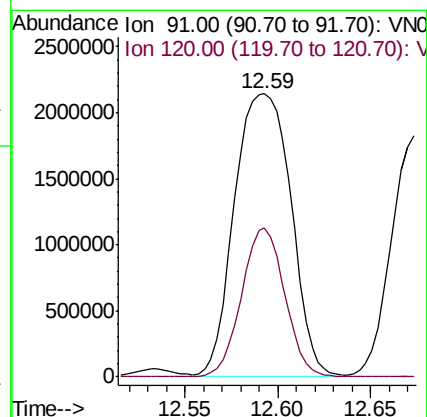
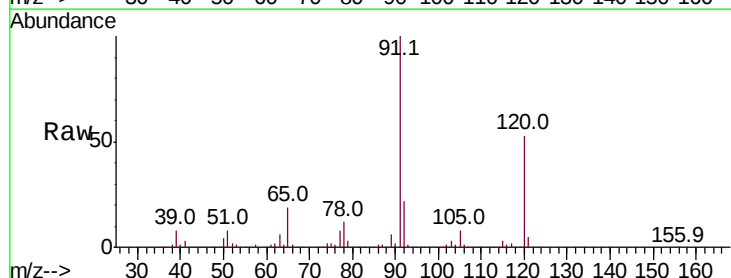
Acq: 29 Aug 2019 17:29

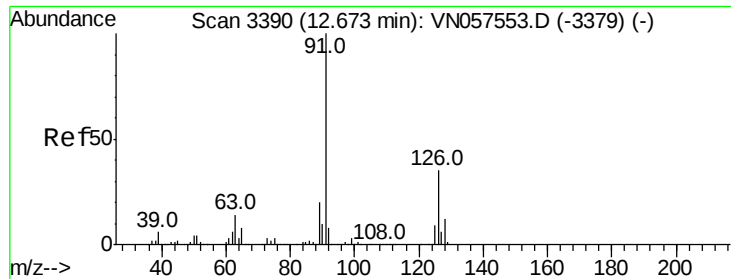
Tgt Ion: 91 Resp: 4539661

Ion Ratio Lower Upper

91 100

120 40.1 10.7 32.1#





#79

2-Chlorotoluene

Concen: 94.262 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 3538765

Ion Ratio Lower Upper

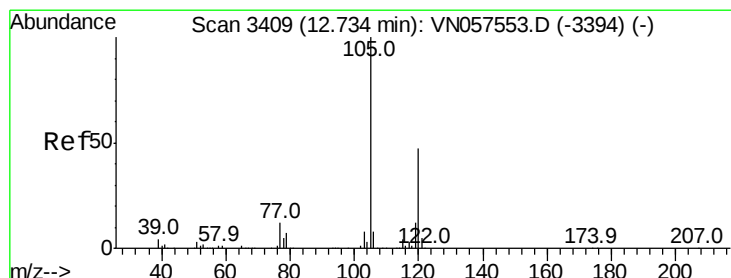
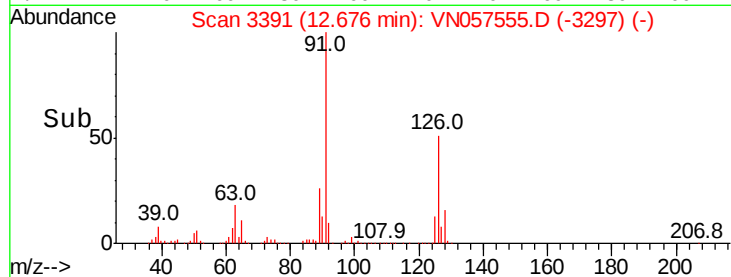
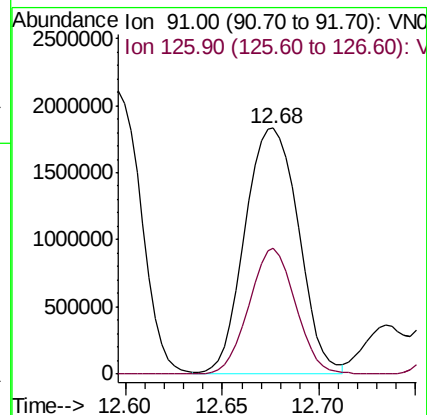
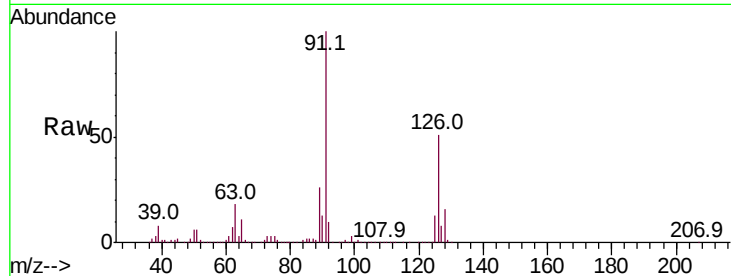
91 100

126 44.5 15.3 45.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 85.399 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057555.D

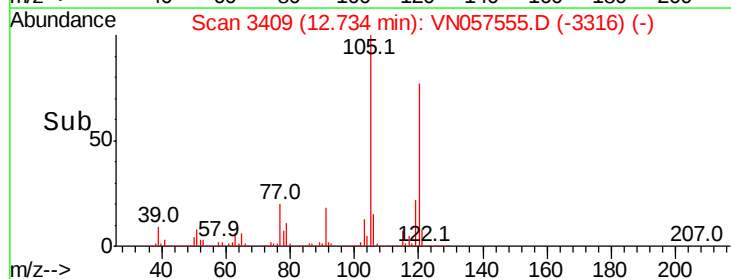
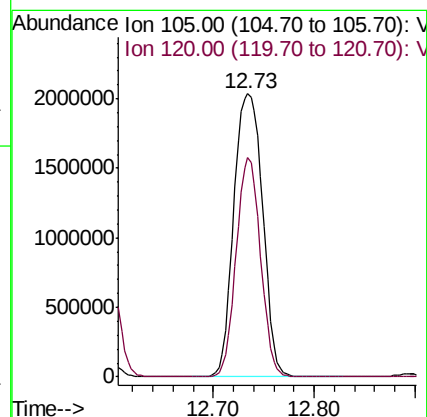
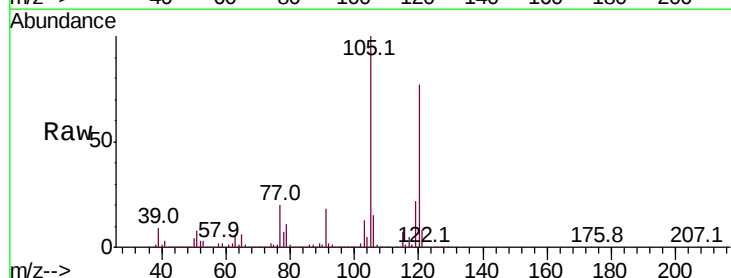
Acq: 29 Aug 2019 17:29

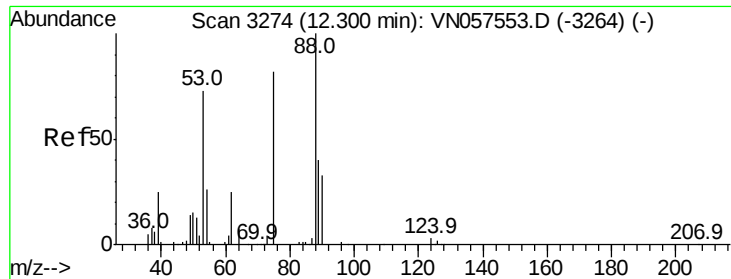
Tgt Ion:105 Resp: 4047161

Ion Ratio Lower Upper

105 100

120 65.5 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 96.616 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

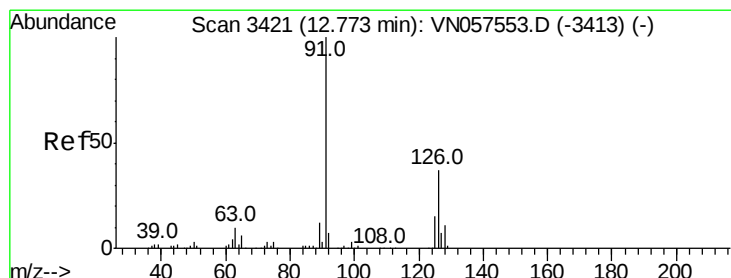
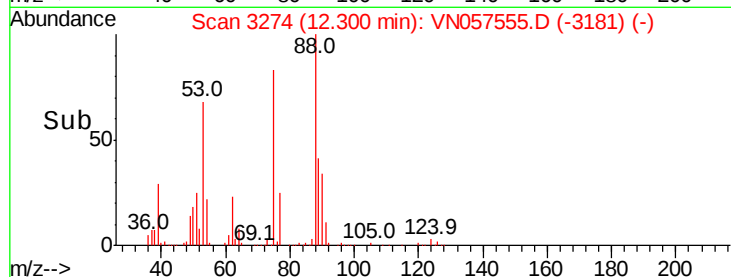
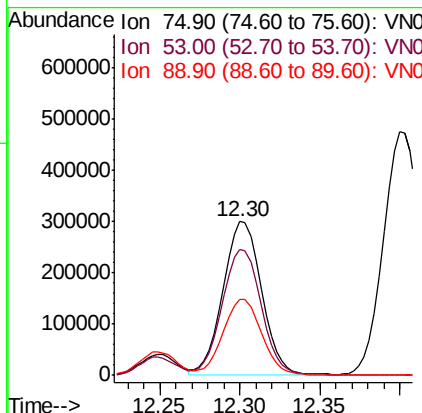
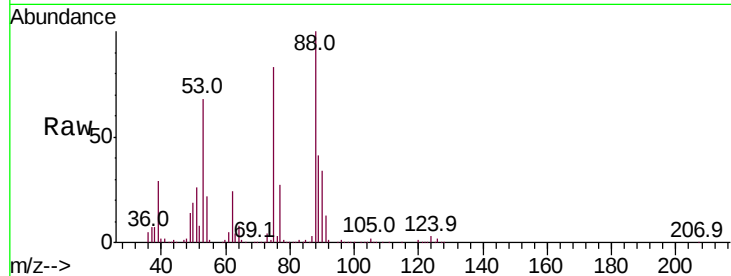
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	487272
Ion	Ratio	Lower	Upper
75	100		
53	84.6	82.7	124.1
89	50.4	35.8	53.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 101.146 ug/l m

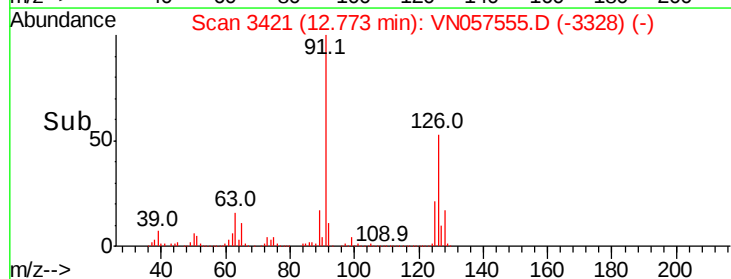
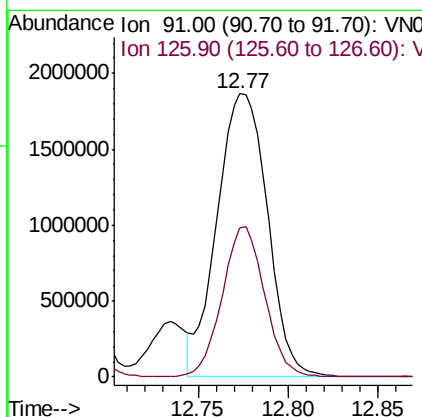
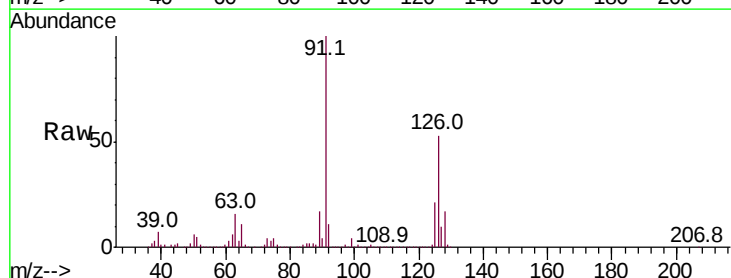
RT: 12.77 min Scan# 3421

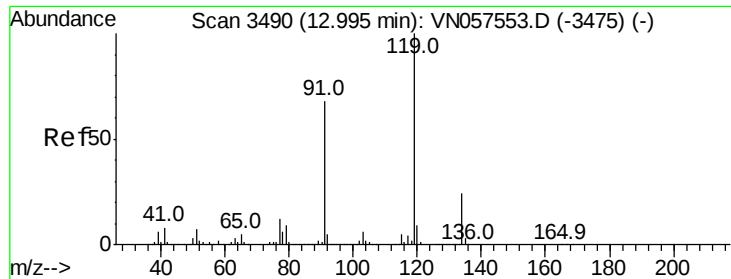
Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Tgt Ion:	91	Resp:	3629521
Ion	Ratio	Lower	Upper
91	100		
126	43.4	15.0	45.0





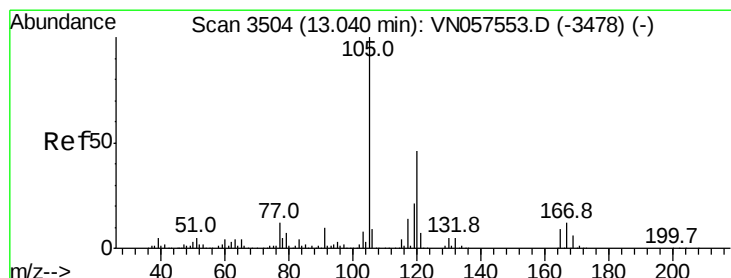
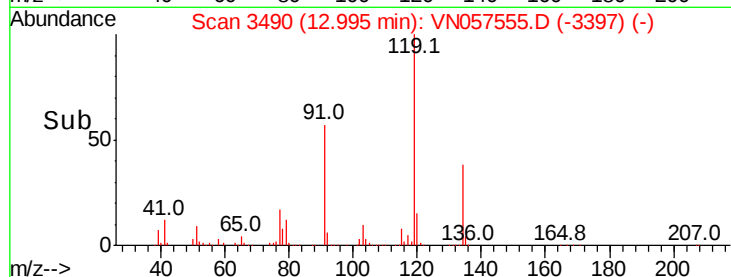
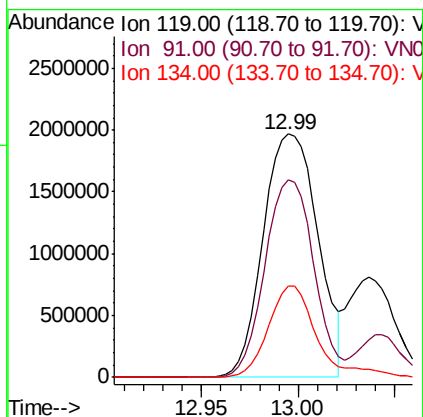
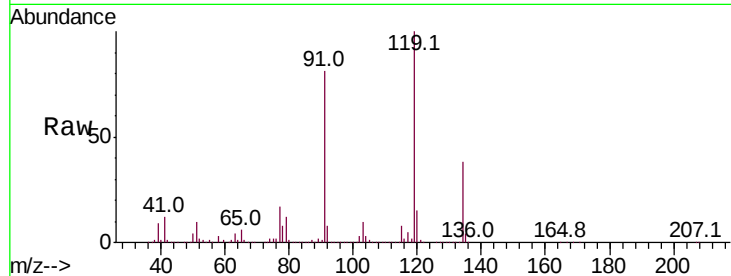
#83
tert-Butylbenzene
Concen: 91.696 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.8	37.0	111.0
134	33.2	12.2	36.6

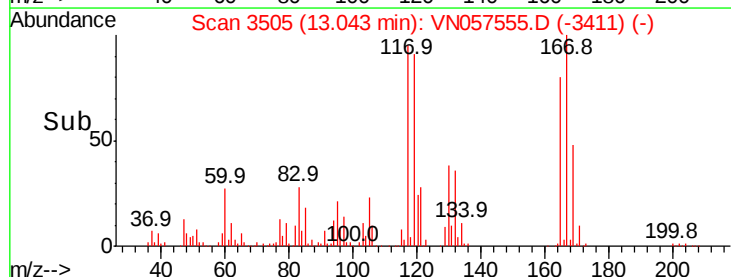
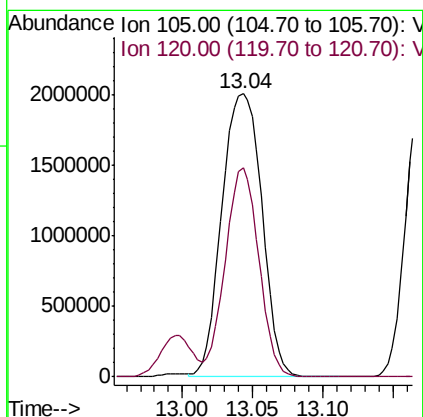
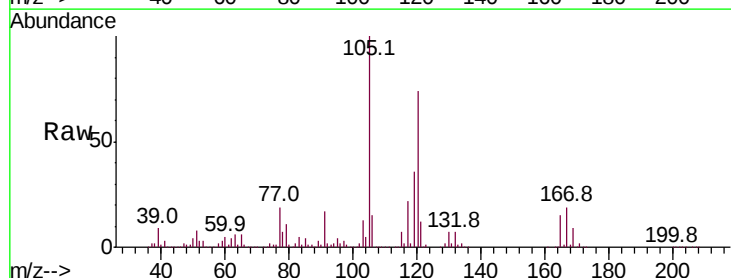
Manual Integrations
APPROVED

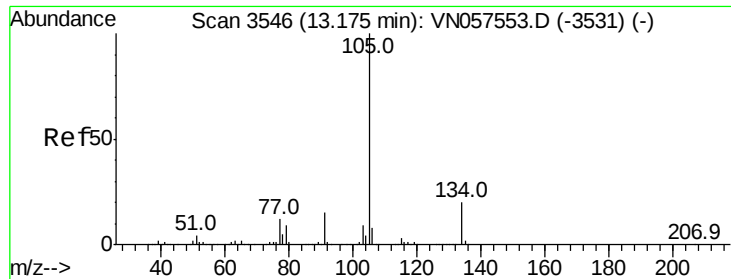
MMDadoda
9/3/2019 2:38:44 AM



#84
1,2,4-Trimethylbenzene
Concen: 94.839 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	62.0	21.9	65.7





#85

sec-Butylbenzene

Concen: 83.578 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 4313335

Ion Ratio Lower Upper

105 100

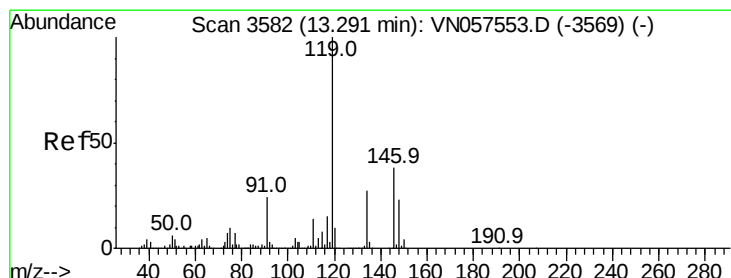
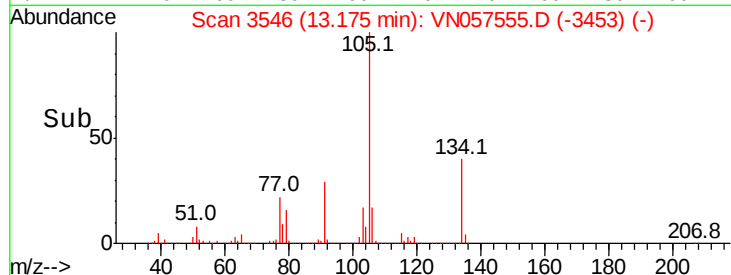
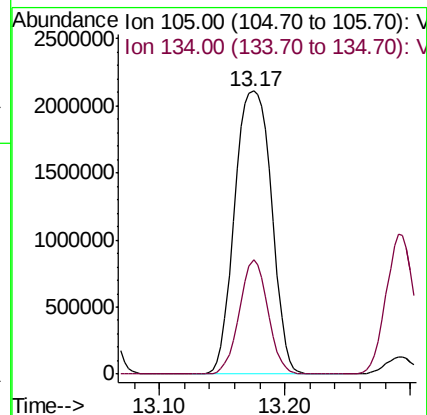
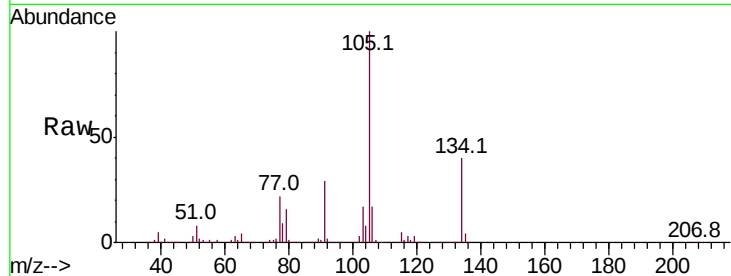
134 31.2 9.3 27.9#

Manual Integrations

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9/3/2019 2:38:44 AM



#86

p-Isopropyltoluene

Concen: 96.461 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

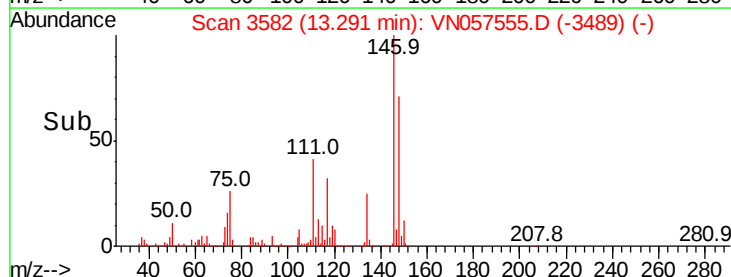
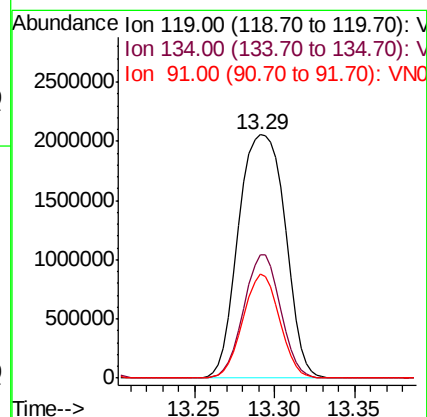
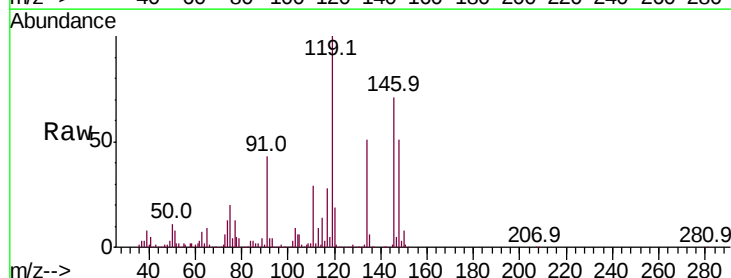
Tgt Ion:119 Resp: 4108616

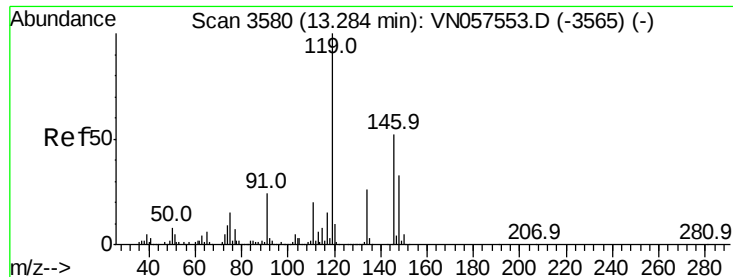
Ion Ratio Lower Upper

119 100

134 40.0 12.7 38.1#

91 33.2 13.9 41.6





#87

1,3-Dichlorobenzene

Concen: 156.198 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 2789720

Ion Ratio Lower Upper

146 100

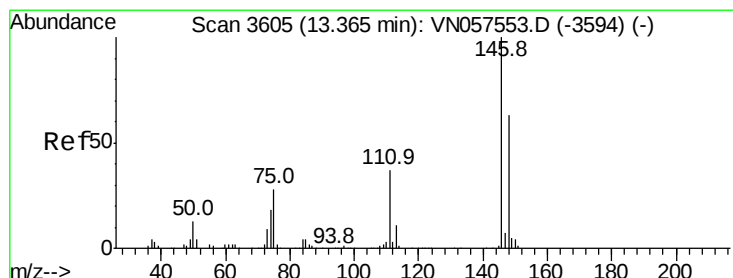
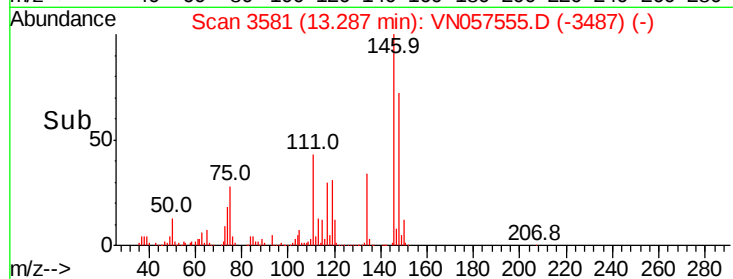
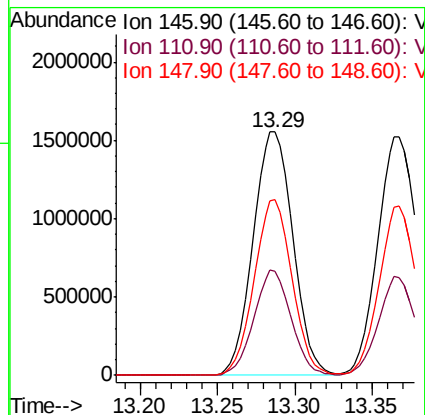
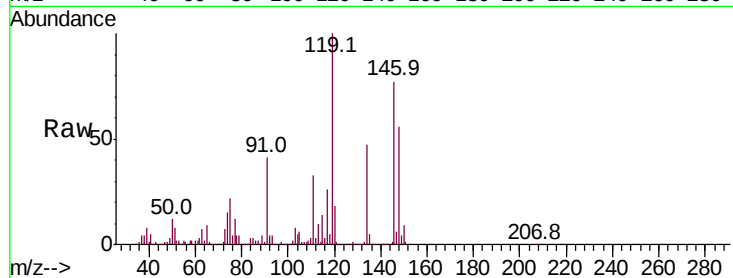
111 40.1 22.1 66.1

148 68.6 31.9 95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 157.005 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

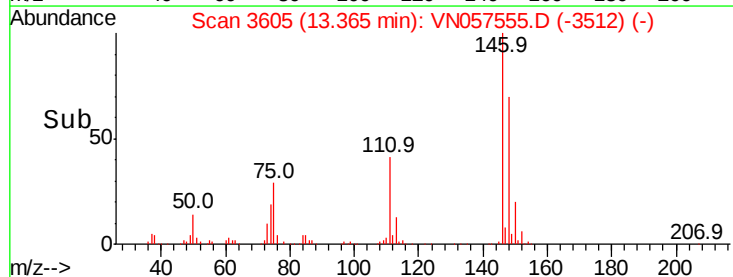
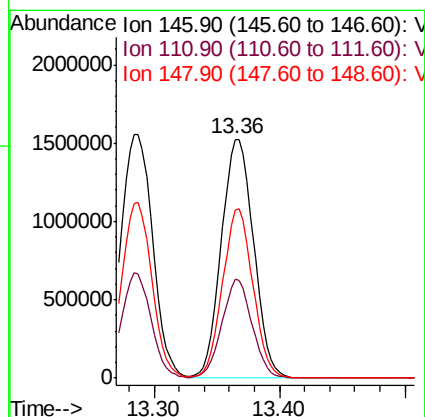
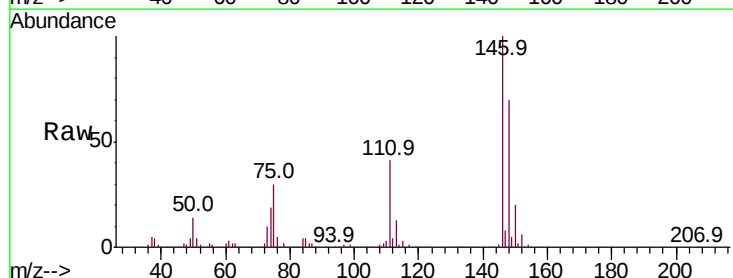
Tgt Ion:146 Resp: 2733620

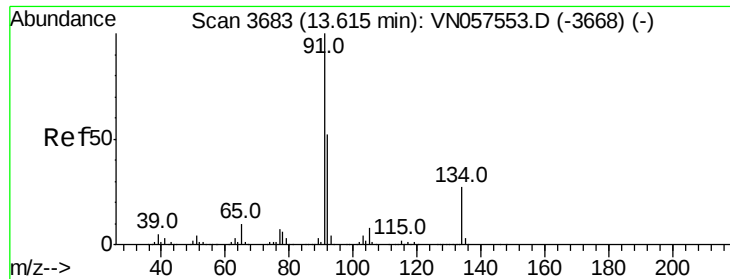
Ion Ratio Lower Upper

146 100

111 38.7 21.9 65.5

148 66.8 31.1 93.2





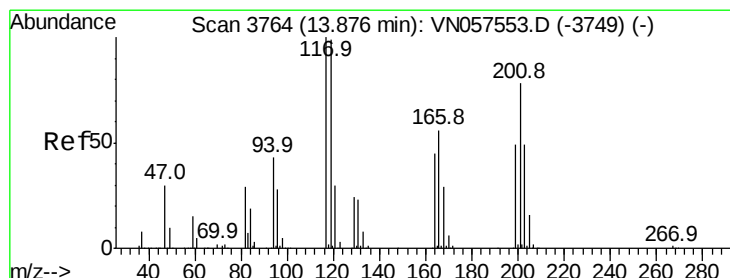
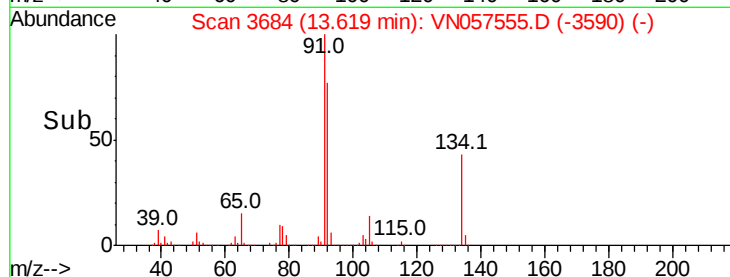
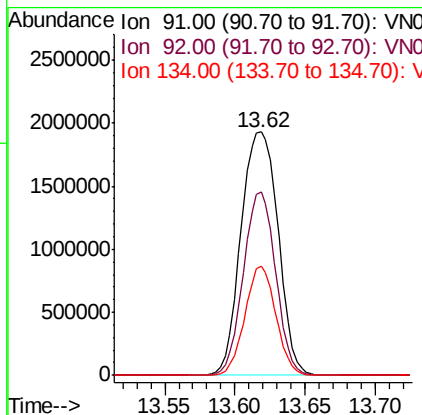
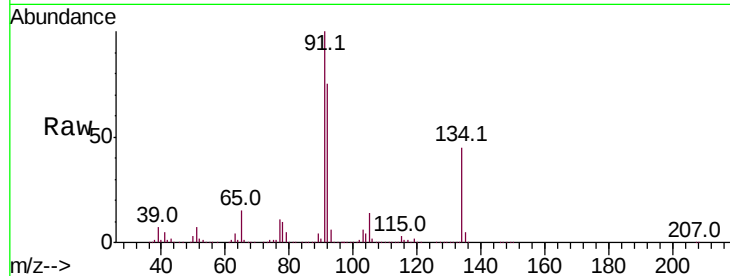
#89
n-Butylbenzene
Concen: 100.938 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 3561187
Ion Ratio Lower Upper
91 100
92 65.7 25.7 77.0
134 37.5 11.4 34.1#

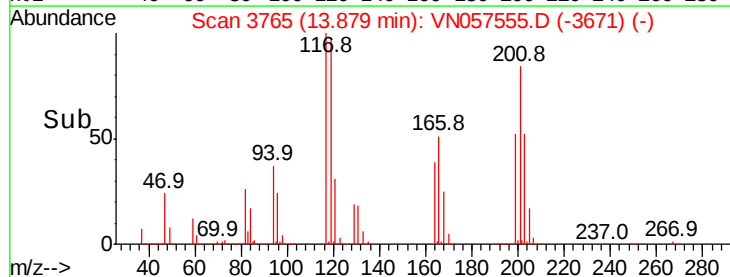
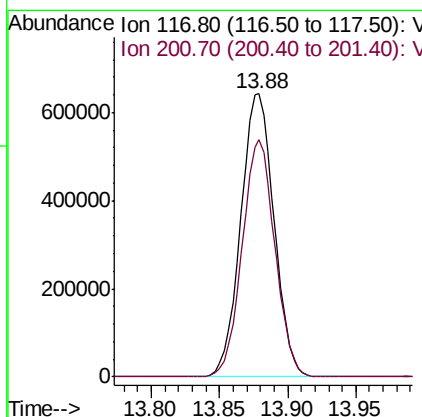
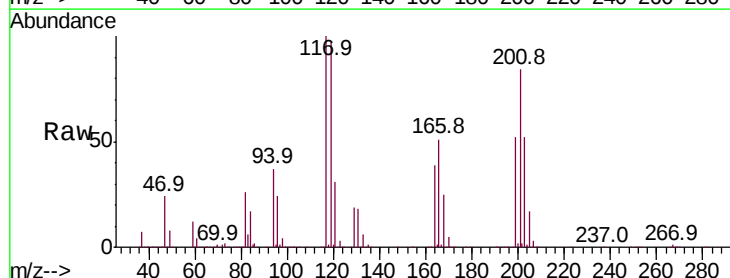
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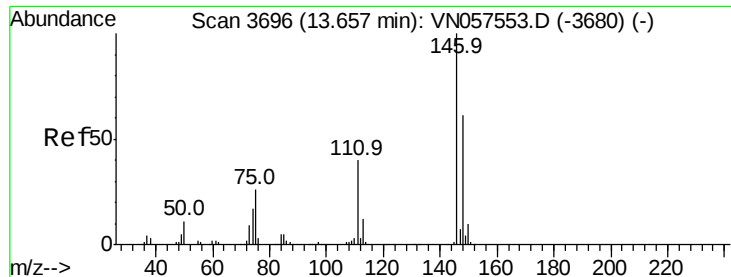
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#90
Hexachloroethane
Concen: 112.835 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion: 117 Resp: 1088613
Ion Ratio Lower Upper
117 100
201 82.3 33.1 99.3





#91

1,2-Dichlorobenzene

Concen: 156.676 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 2668779

Ion Ratio Lower Upper

146 100

111 40.3 23.1 69.2

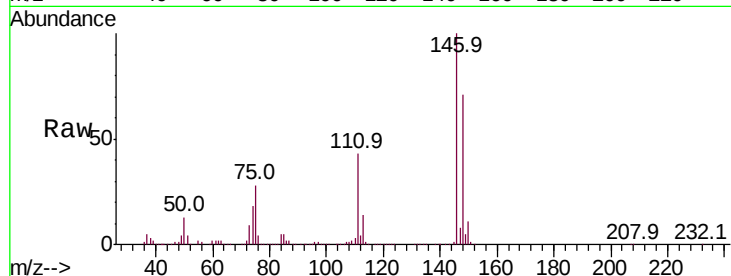
148 66.8 31.8 95.4

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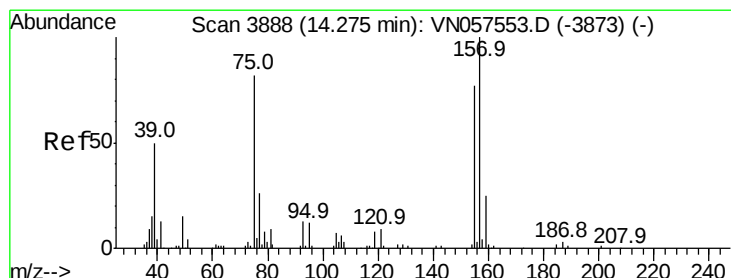
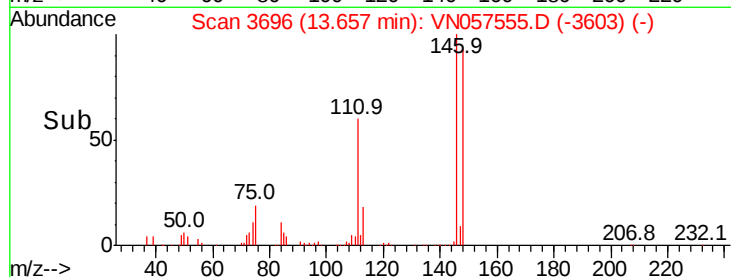
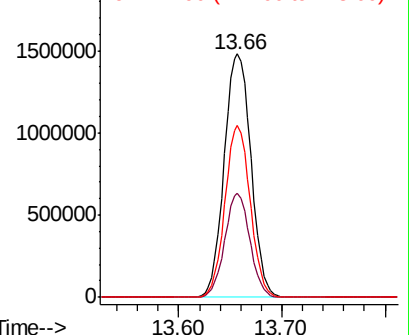
9/3/2019 2:38:44 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 96.334 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

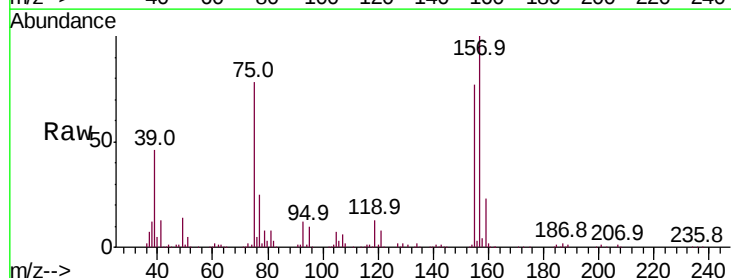
Tgt Ion: 75 Resp: 266097

Ion Ratio Lower Upper

75 100

155 98.8 31.6 94.7#

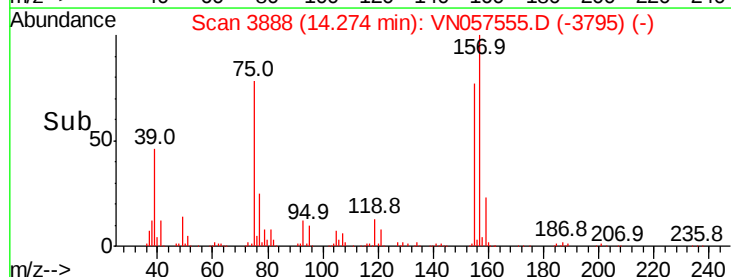
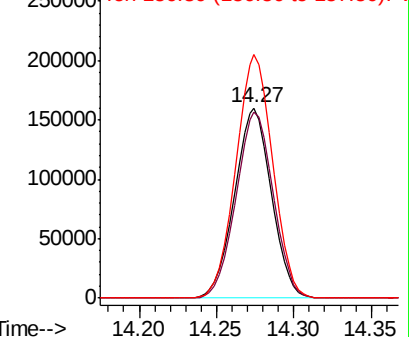
157 128.0 43.3 129.8

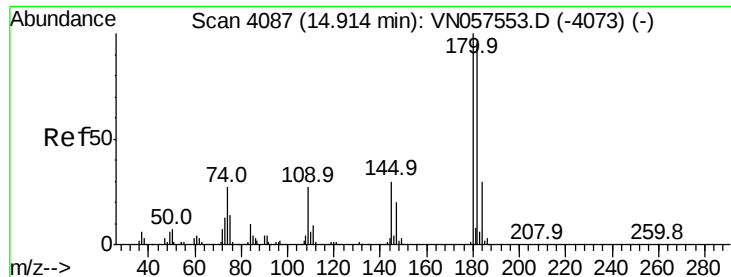


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 218.703 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:180 Resp: 1362603

Ion Ratio Lower Upper

180 100

182 95.7 46.7 140.1

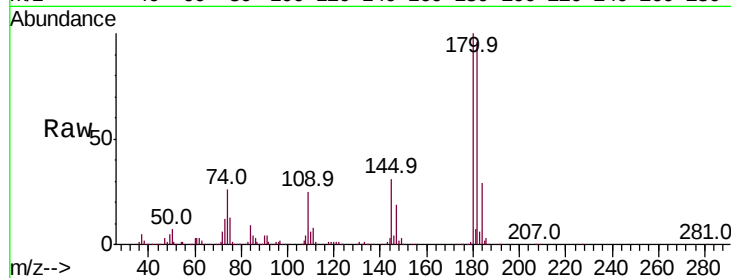
145 30.5 15.6 46.8

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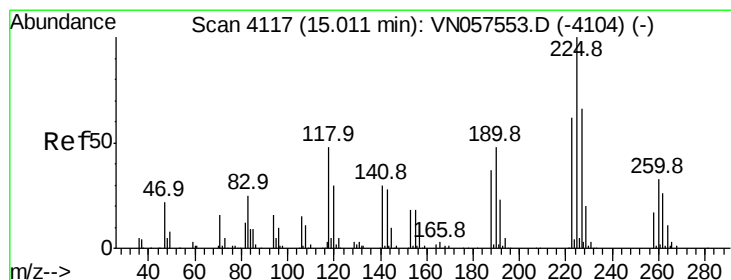
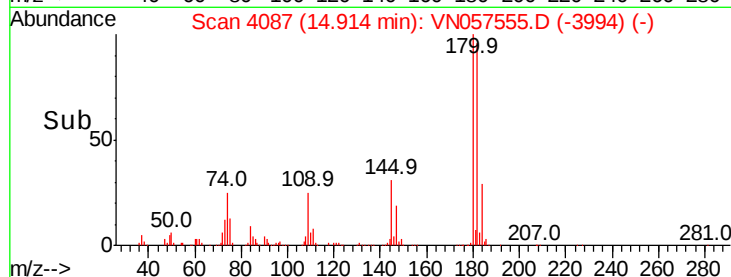
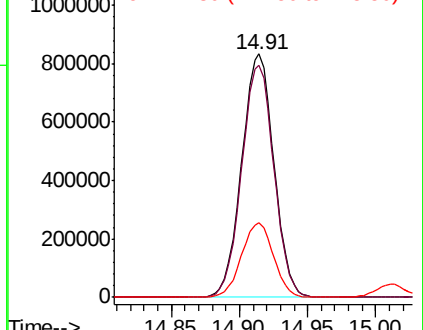
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Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 147.898 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN057555.D

Acq: 29 Aug 2019 17:29

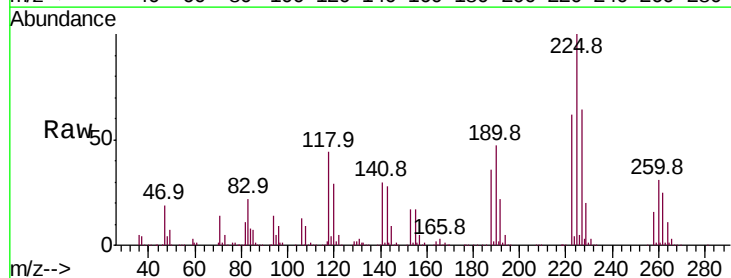
Tgt Ion:225 Resp: 785554

Ion Ratio Lower Upper

225 100

223 62.5 32.0 96.2

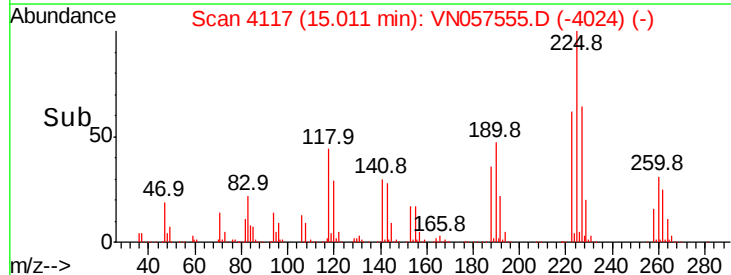
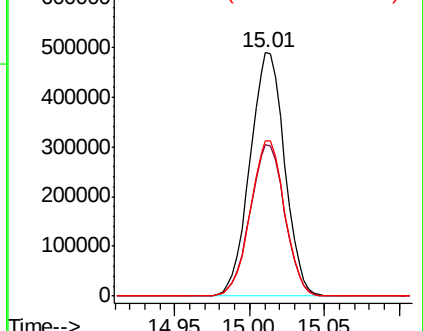
227 63.4 31.5 94.5

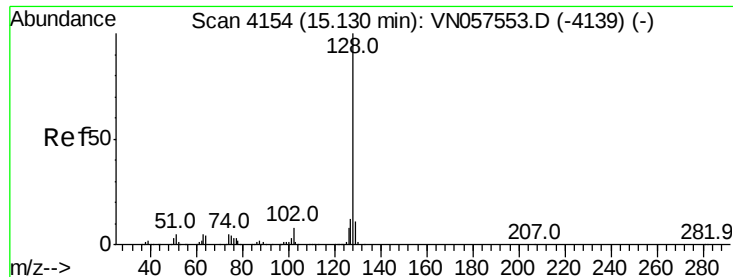


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





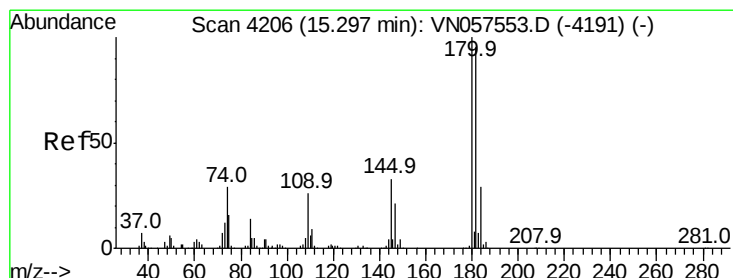
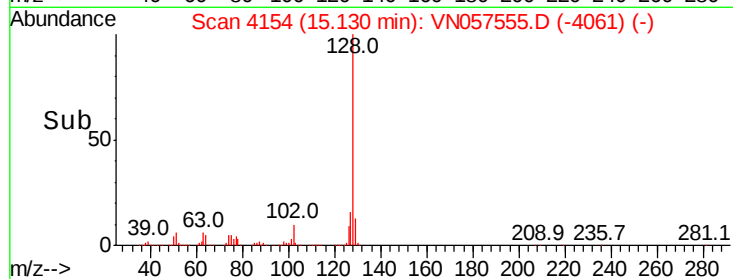
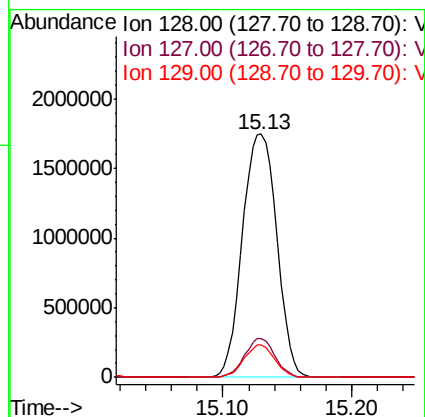
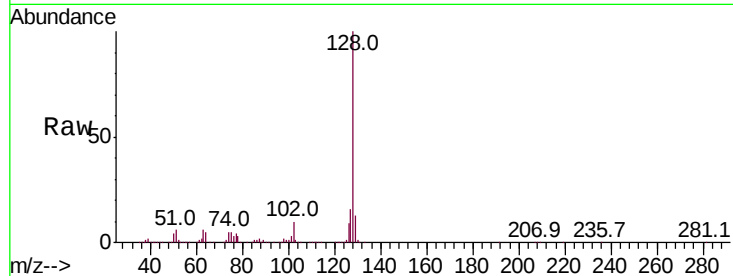
#95
Naphthalene
Concen: 160.659 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	11.8	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 206.572 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057555.D
Acq: 29 Aug 2019 17:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.7	140.1
145	32.2	16.8	50.3

