

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057552.D
 Acq On : 29 Aug 2019 16:14
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:38:41 AM

Quant Time: Aug 29 17:40:52 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	422948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	659887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	593338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	261394	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	137857	18.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.84%	
35) Dibromofluoromethane	7.58	113	111633	23.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.10%	
50) Toluene-d8	10.09	98	420258	23.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.72%	
62) 4-Bromofluorobenzene	12.40	95	131051	21.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	101182	20.492	ug/l	96
3) Chloromethane	2.06	50	94995	14.037	ug/l	94
4) Vinyl Chloride	2.19	62	145235	17.249	ug/l	99
5) Bromomethane	2.55	94	121392	21.929	ug/l	97
6) Chloroethane	2.70	64	92460	16.918	ug/l	100
7) Trichlorofluoromethane	3.01	101	308325	22.452	ug/l	100
8) Diethyl Ether	3.40	74	97618	19.289	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.74	101	180561	23.406	ug/l #	86
10) Methyl Iodide	3.93	142	295117	40.955	ug/l	95
11) Tert butyl alcohol	4.80	59	69105	78.490	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	170740	23.019	ug/l #	73
13) Acrolein	3.59	56	60482	79.166	ug/l	96
14) Allyl chloride	4.30	41	124161	12.647	ug/l #	83
15) Acrylonitrile	4.98	53	173872	73.230	ug/l	99
16) Acetone	3.81	43	285600	81.130	ug/l	94
17) Carbon Disulfide	4.03	76	221130	16.502	ug/l	98
18) Methyl Acetate	4.31	43	87647	10.532	ug/l #	88
19) Methyl tert-butyl Ether	5.03	73	317124	18.400	ug/l	91
20) Methylene Chloride	4.53	84	100700	18.175	ug/l #	78
21) trans-1,2-Dichloroethene	5.02	96	102048	19.928	ug/l #	80
22) Diisopropyl ether	5.94	45	275808	14.241	ug/l #	88
23) Vinyl Acetate	5.88	43	1105672	72.717	ug/l #	90
24) 1,1-Dichloroethane	5.83	63	177282	16.787	ug/l	97
25) 2-Butanone	6.83	43	231902	66.210	ug/l #	83
26) 2,2-Dichloropropane	6.81	77	180156	19.138	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	122697	20.125	ug/l	83
28) Bromochloromethane	7.18	49	80210	14.719	ug/l #	60
29) Tetrahydrofuran	7.21	42	144912	63.365	ug/l #	73
30) Chloroform	7.36	83	212700	18.791	ug/l	97
31) Cyclohexane	7.64	56	162048	16.236	ug/l #	78
32) 1,1,1-Trichloroethane	7.56	97	196433	20.742	ug/l	94
36) 1,1-Dichloropropene	7.78	75	148073	21.411	ug/l	95
37) Ethyl Acetate	6.92	43	96065	15.032	ug/l #	92
38) Carbon Tetrachloride	7.76	117	166034	23.433	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	185515	22.364	ug/l #	85
40) Benzene	8.03	78	448989	21.583	ug/l	99
41) Methacrylonitrile	7.16	41	39564	13.087	ug/l #	80
42) 1,2-Dichloroethane	8.11	62	159914	20.239	ug/l	96
43) Isopropyl Acetate	8.16	43	181035	15.358	ug/l #	89
44) Trichloroethene	8.83	130	122059	25.314	ug/l	87
45) 1,2-Dichloropropane	9.11	63	106189	18.651	ug/l	99
46) Dibromomethane	9.20	93	82641	21.959	ug/l #	89
47) Bromodichloromethane	9.40	83	169975	21.833	ug/l	95
48) Methyl methacrylate	9.19	41	80951	14.528	ug/l #	76
49) 1,4-Dioxane	9.20	88	32865	430.796	ug/l #	78
51) 4-Methyl-2-Pentanone	9.98	43	498255	76.102	ug/l	89
52) Toluene	10.15	92	292357	23.744	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	159915	19.768	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	177059	19.744	ug/l #	87
55) 1,1,2-Trichloroethane	10.56	97	113030	22.808	ug/l	97
56) Ethyl methacrylate	10.43	69	149192	19.875	ug/l #	80
57) 1,3-Dichloropropane	10.71	76	176662	20.994	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	160387	90.367	ug/l #	84
59) 2-Hexanone	10.75	43	339465	75.448	ug/l	87
60) Dibromochloromethane	10.90	129	126555	23.637	ug/l	99
61) 1,2-Dibromoethane	11.00	107	117105	23.853	ug/l	97
64) Tetrachloroethene	10.63	164	124638	27.936	ug/l	92
65) Chlorobenzene	11.43	112	312080	24.669	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	120434	24.688	ug/l	98
67) Ethyl Benzene	11.51	91	566461	23.565	ug/l	97
68) m/p-Xylenes	11.62	106	419458	50.216	ug/l	94
69) o-Xylene	11.95	106	209901	25.476	ug/l	91
70) Styrene	11.96	104	321412	24.603	ug/l	96
71) Bromoform	12.13	173	81148	24.488	ug/l #	98
73) Isopropylbenzene	12.25	105	563994	19.296	ug/l	99
74) N-amyl acetate	12.07	43	141803	11.335	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.51	83	139039	16.585	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	116232m	17.933	ug/l	
77) Bromobenzene	12.53	156	125594	21.155	ug/l	73
78) n-propylbenzene	12.59	91	567102	18.427	ug/l	95
79) 2-Chlorotoluene	12.67	91	347385	18.942	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	459054	19.829	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35262	14.312	ug/l	92
82) 4-Chlorotoluene	12.77	91	327749	18.697	ug/l	94
83) tert-Butylbenzene	12.99	119	401721	19.421	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	437650	21.308	ug/l	98
85) sec-Butylbenzene	13.17	105	504629	20.016	ug/l	98
86) p-Isopropyltoluene	13.29	119	437187	21.011	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	192168	22.025	ug/l	95
88) 1,4-Dichlorobenzene	13.37	146	184729	21.719	ug/l	96
89) n-Butylbenzene	13.62	91	327325	18.992	ug/l	98
90) Hexachloroethane	13.88	117	84801	17.993	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	191751	23.044	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20888	15.480	ug/l	79

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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	52140	17.131	ug/l	96
94) Hexachlorobutadiene	15.01	225	61073	23.538	ug/l	98
95) Naphthalene	15.13	128	154345	15.646	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	51310	16.271	ug/l	96

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

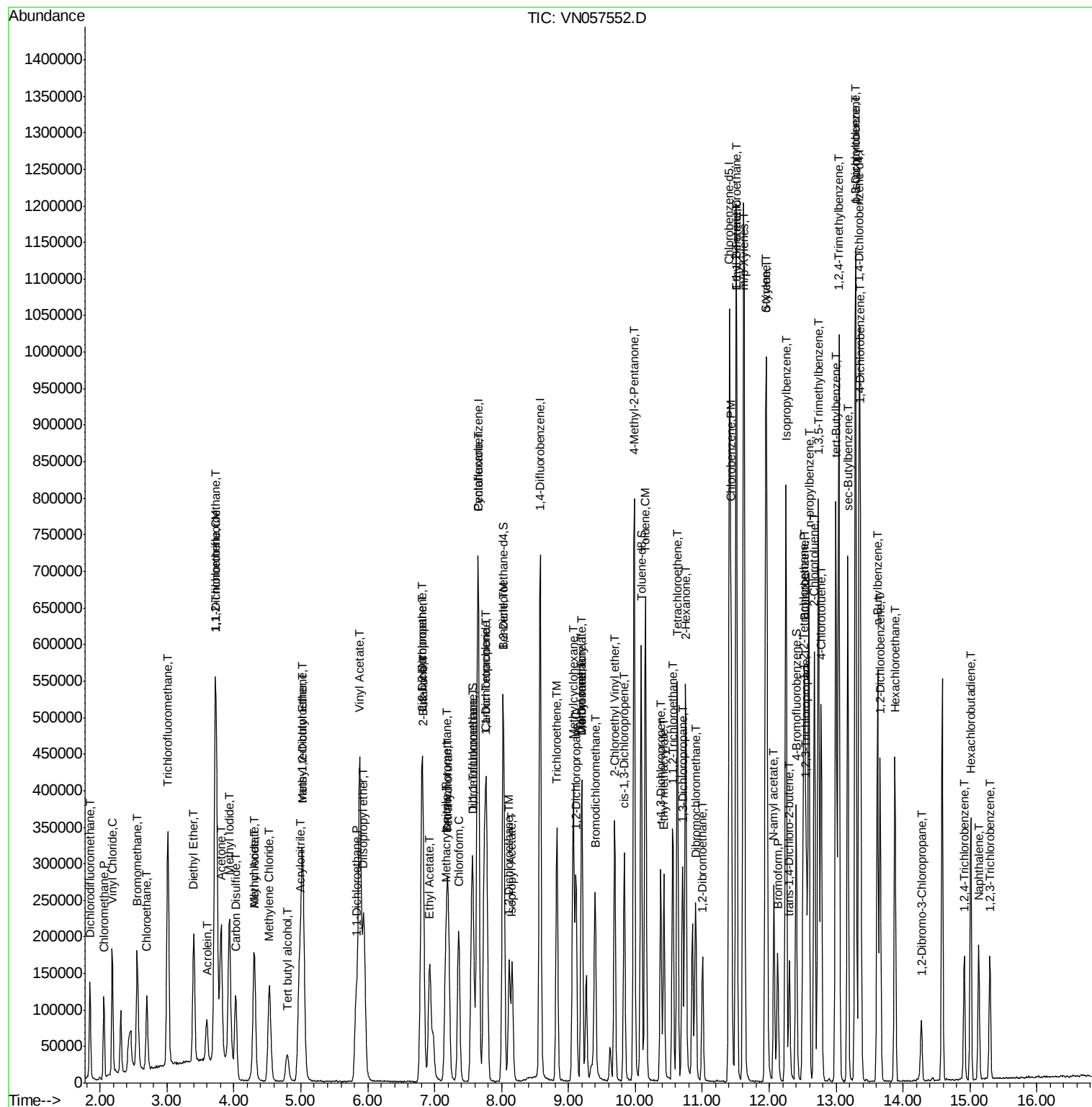
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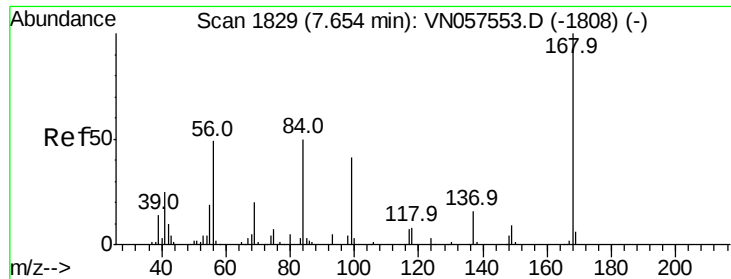
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 422948

Ion Ratio Lower Upper

168 100

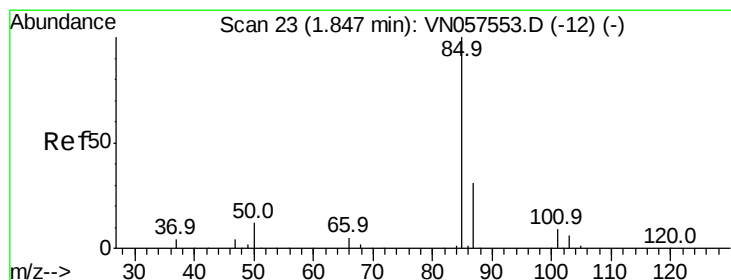
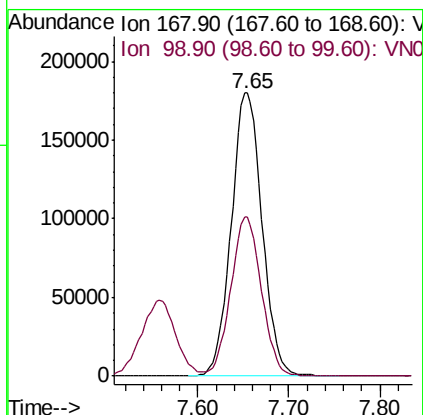
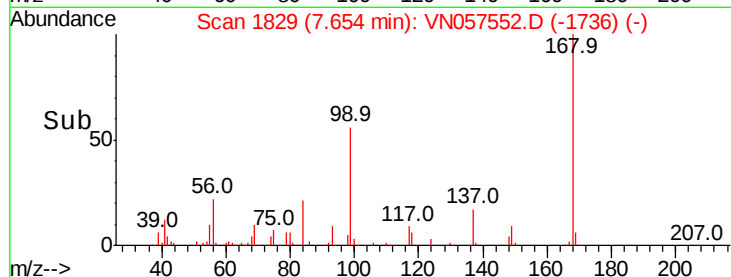
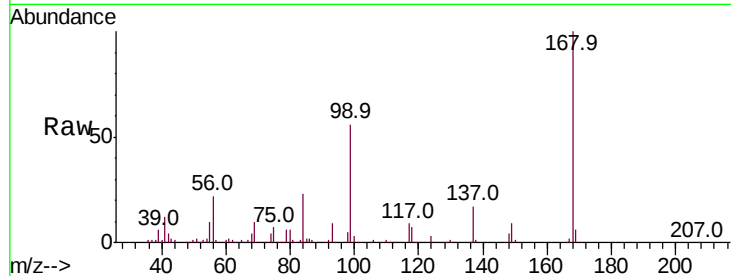
99 56.0 50.6 76.0

Manual Integrations

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9/3/2019 2:38:41 AM



#2

Dichlorodifluoromethane

Concen: 20.492 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057552.D

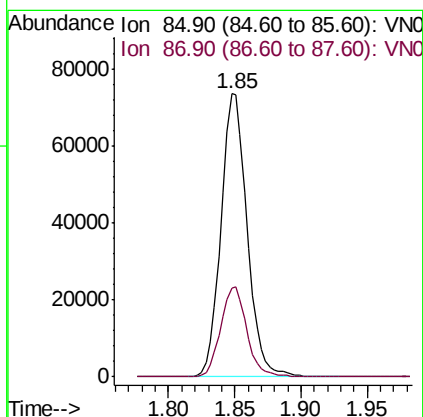
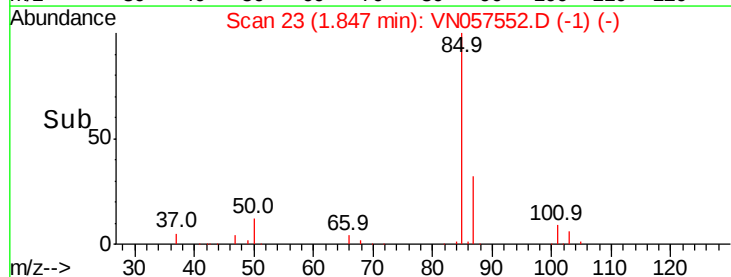
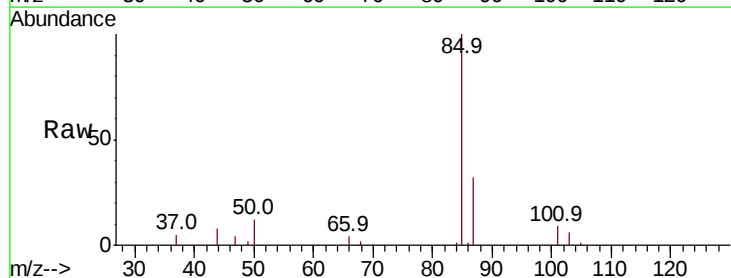
Acq: 29 Aug 2019 16:14

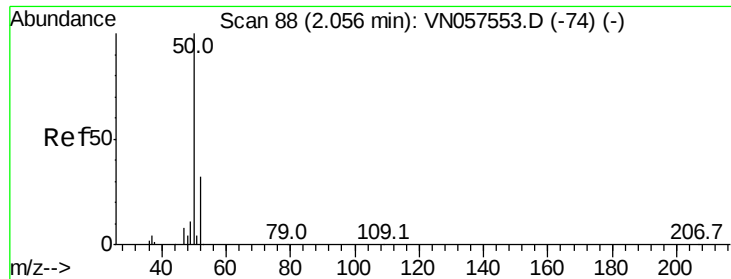
Tgt Ion: 85 Resp: 101182

Ion Ratio Lower Upper

85 100

87 31.6 17.1 51.2





#3

Chloromethane

Concen: 14.037 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 94995

Ion Ratio Lower Upper

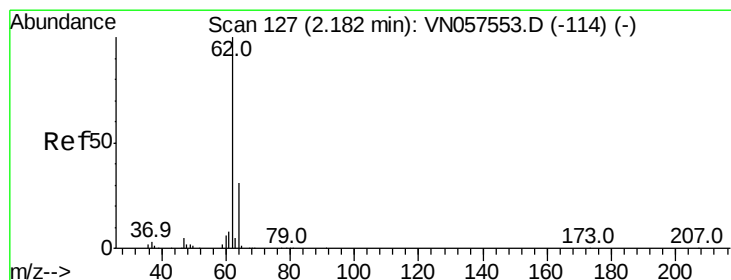
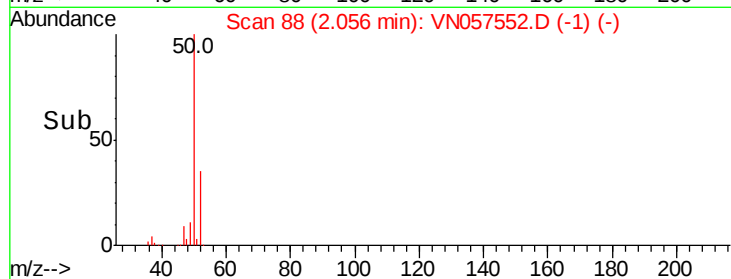
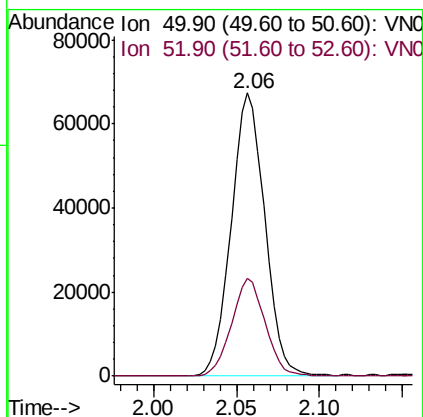
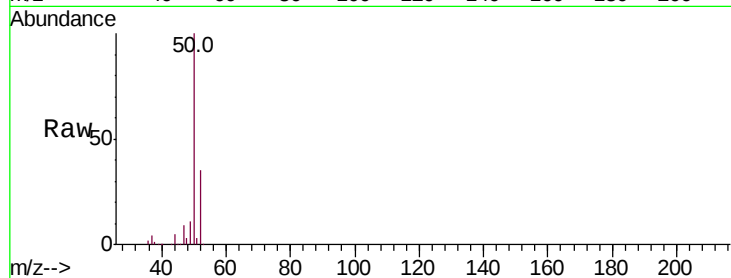
50 100

52 34.6 25.1 37.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.249 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN057552.D

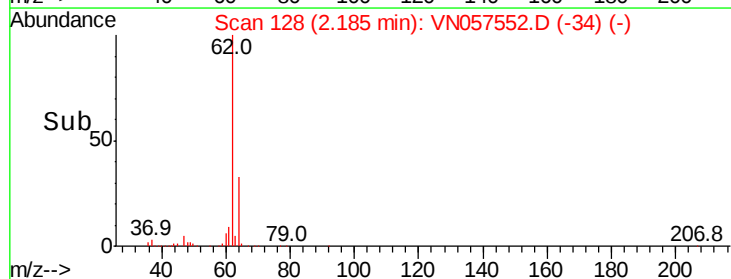
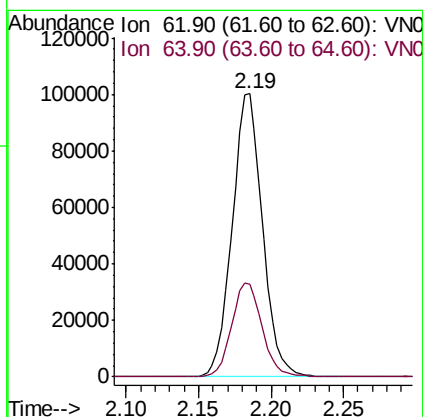
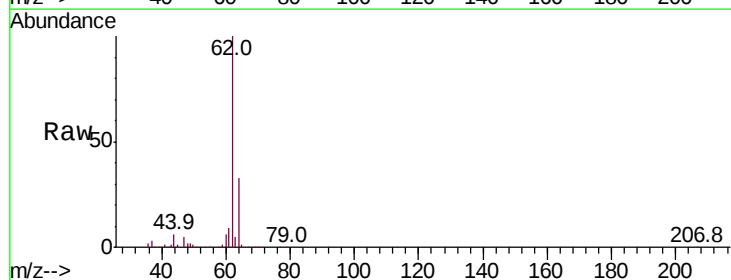
Acq: 29 Aug 2019 16:14

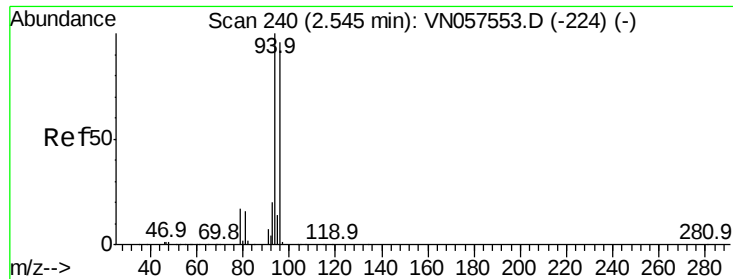
Tgt Ion: 62 Resp: 145235

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.8





#5

Bromomethane

Concen: 21.929 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

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Tot Ion: 94 Resp: 121392

Ion Ratio Lower Upper

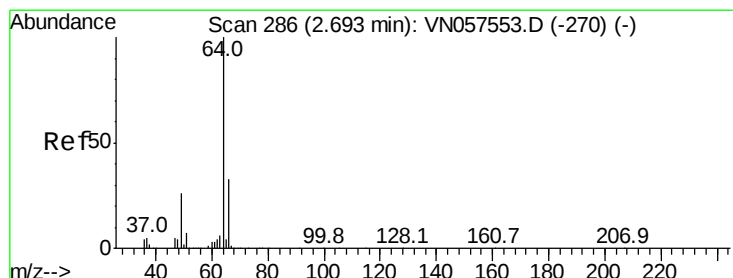
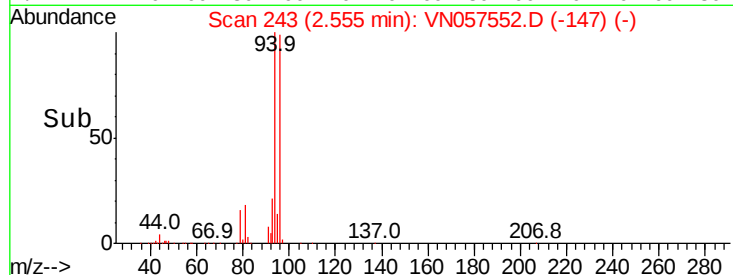
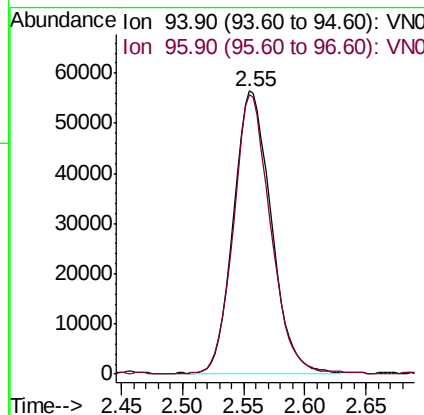
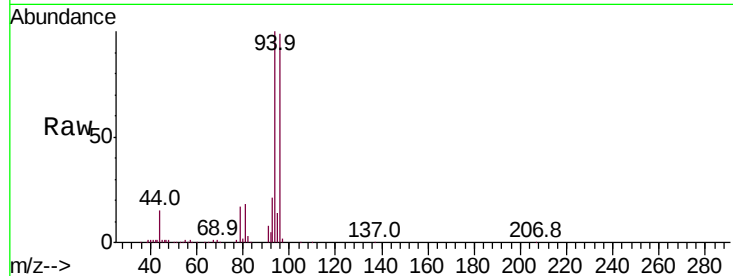
94 100

96 98.5 76.2 114.4

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#6

Chloroethane

Concen: 16.918 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN057552.D

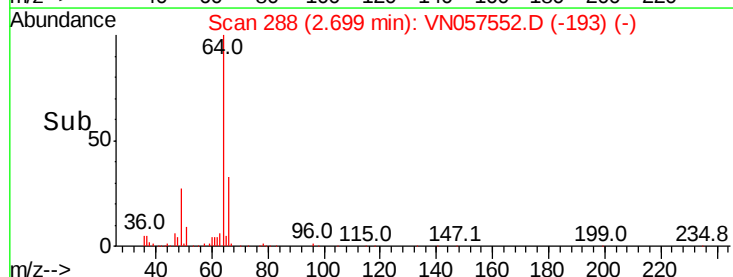
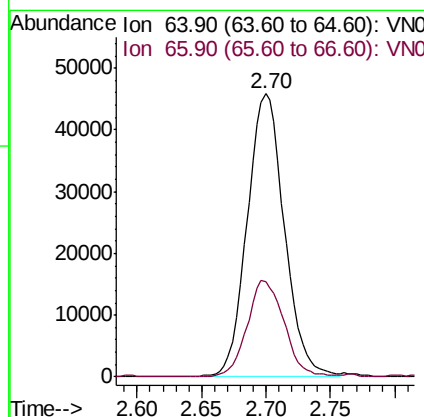
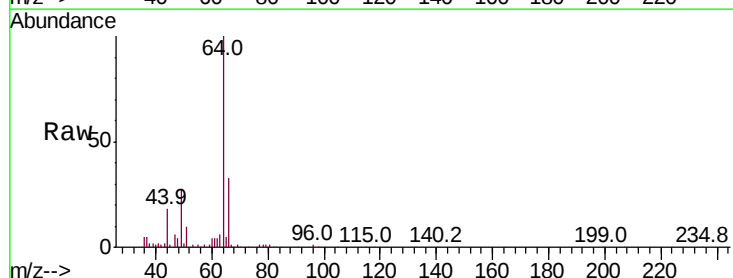
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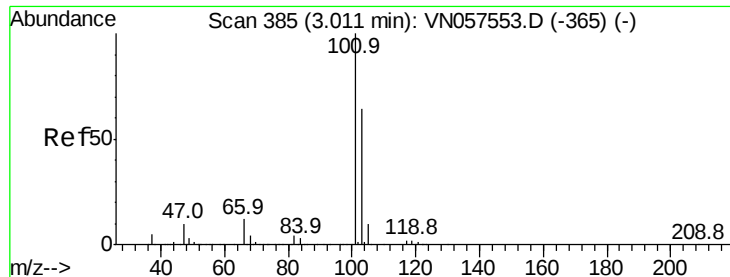
Tgt Ion: 64 Resp: 92460

Ion Ratio Lower Upper

64 100

66 33.4 26.8 40.2





#7

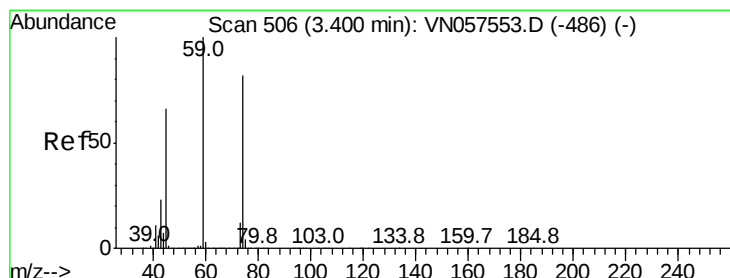
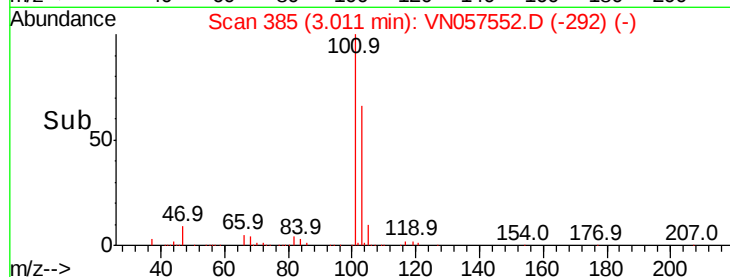
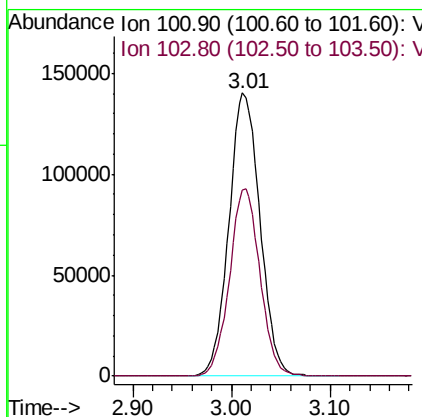
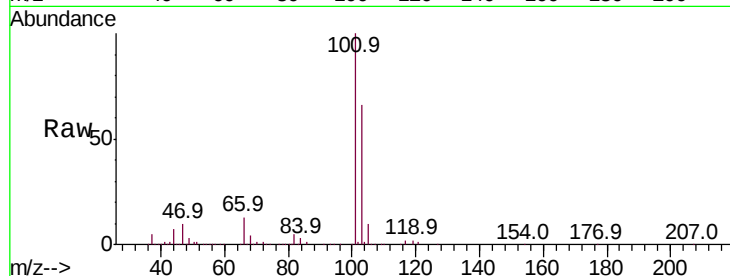
Trichlorofluoromethane
 Concen: 22.452 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.6	78.8

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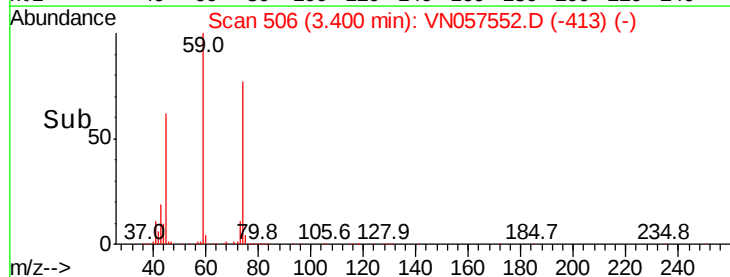
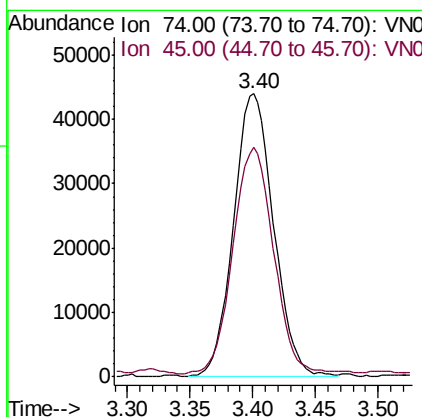
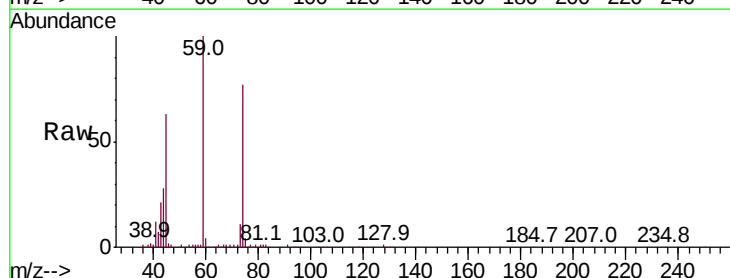
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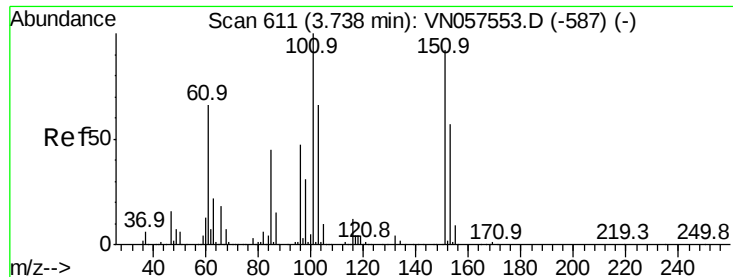


#8

Diethyl Ether
 Concen: 19.289 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.7	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.406 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

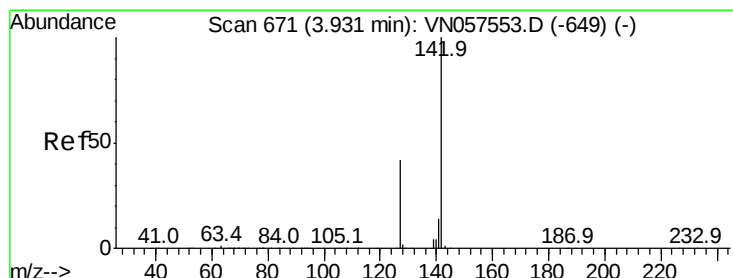
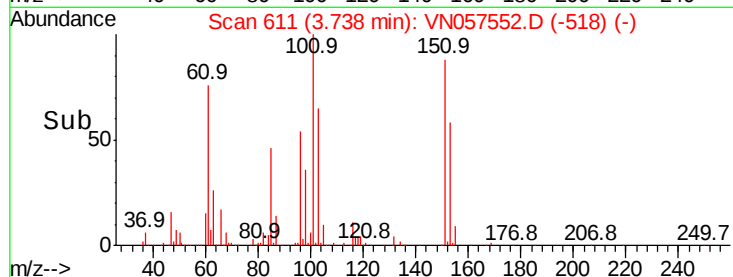
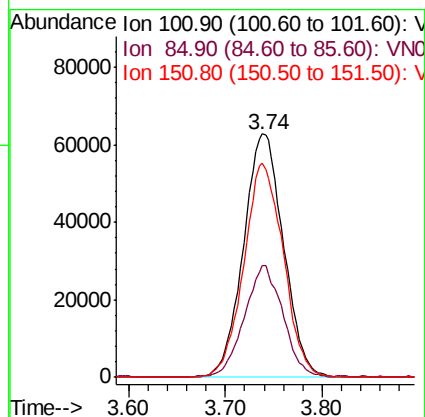
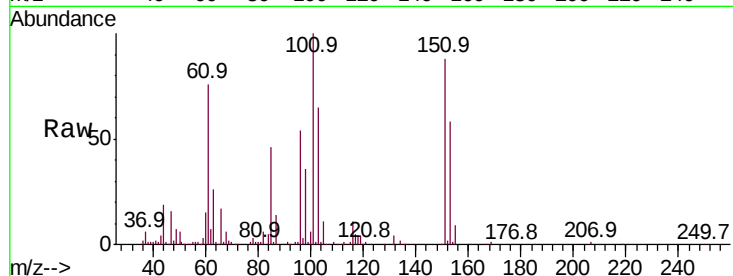
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	180561
Ion Ratio	Lower	Upper	
101	100		
85	44.4	40.0	60.0
151	86.9	57.0	85.6#

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#10

Methyl Iodide

Concen: 40.955 ug/l

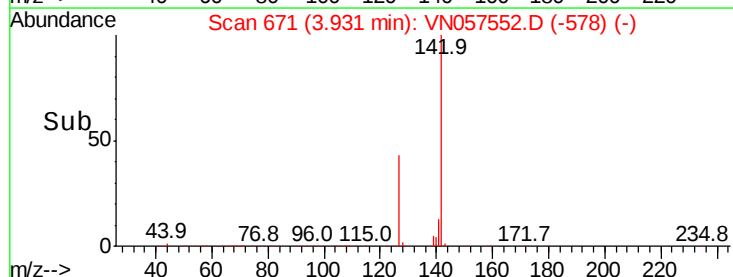
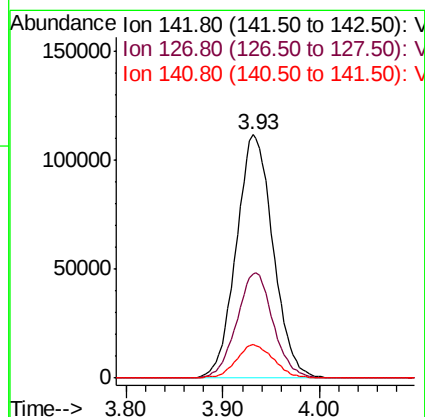
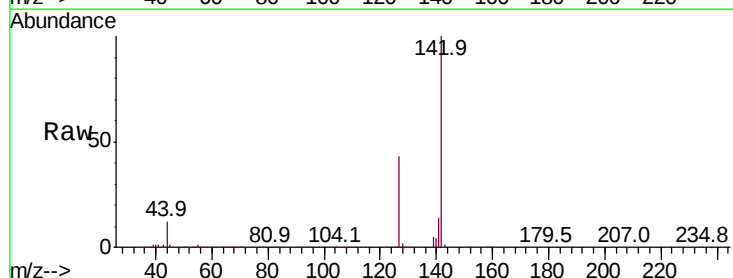
RT: 3.93 min Scan# 671

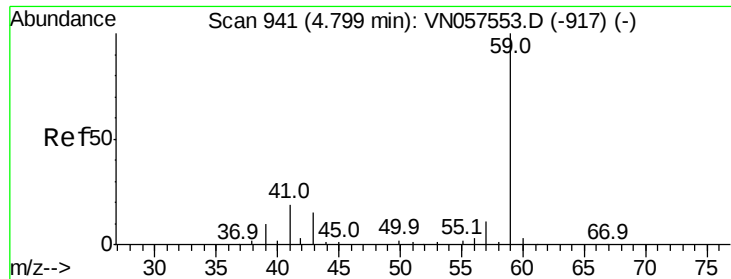
Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Tgt Ion:	142	Resp:	295117
Ion Ratio	Lower	Upper	
142	100		
127	43.0	37.8	56.8
141	14.0	11.9	17.9





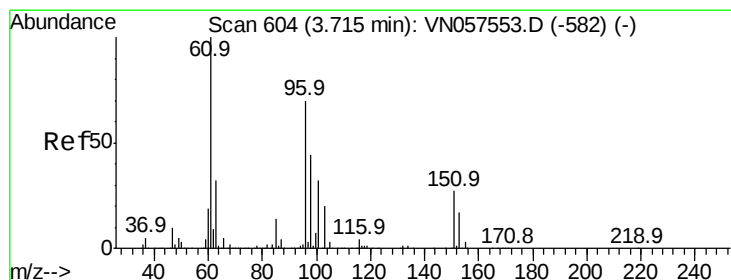
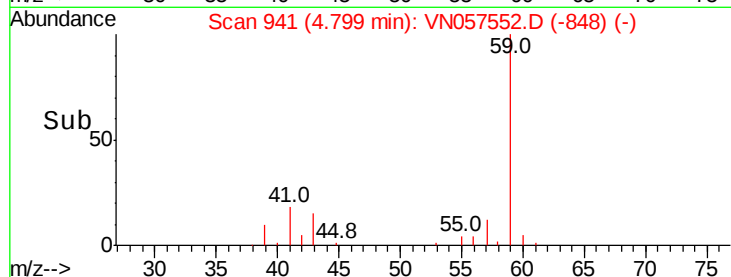
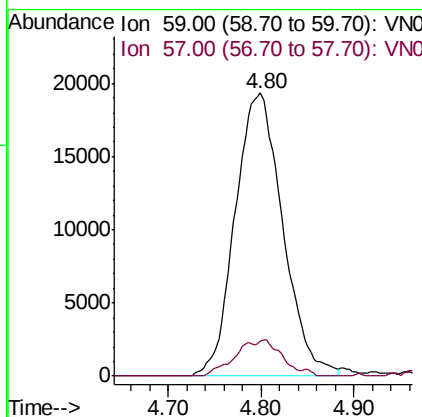
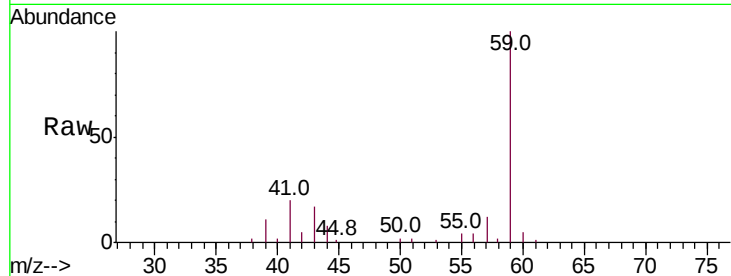
#11
Tert butyl alcohol
Concen: 78.490 ug/l
RT: 4.80 min Scan# 941
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.8	9.1	13.7#

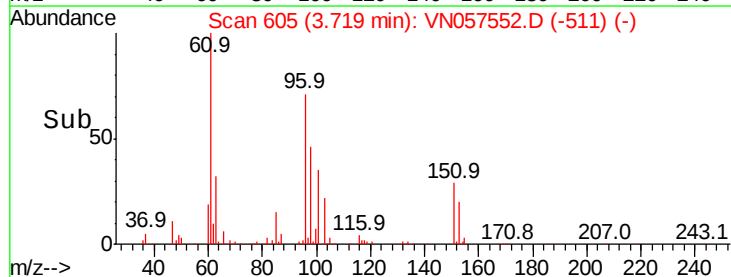
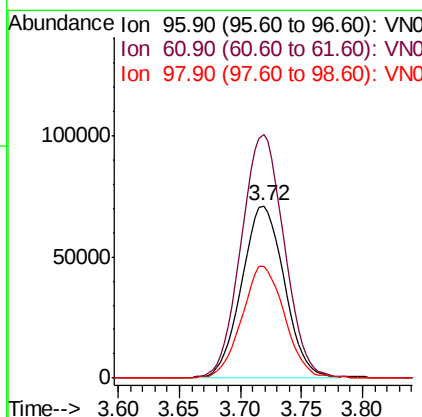
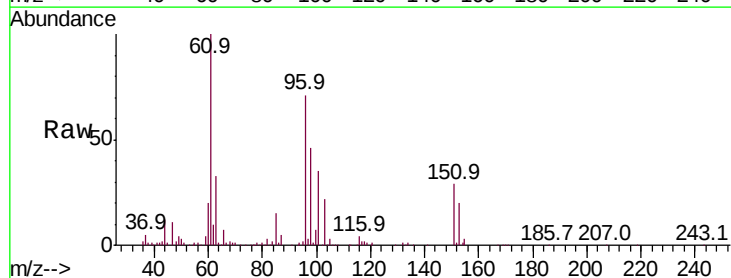
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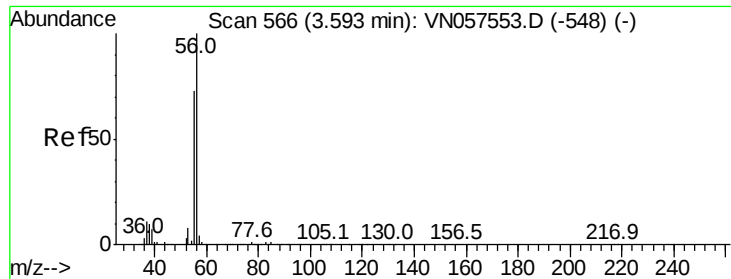
MMDadoda
9/3/2019 2:38:41 AM



#12
1,1-Dichloroethene
Concen: 23.019 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.6	155.3	232.9#
98	64.9	50.2	75.2





#13

Acrolein

Concen: 79.166 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 60482

Ion Ratio Lower Upper

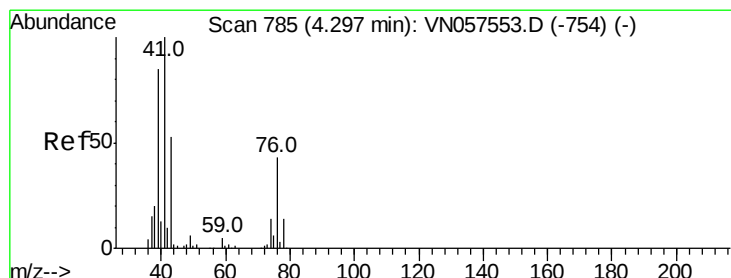
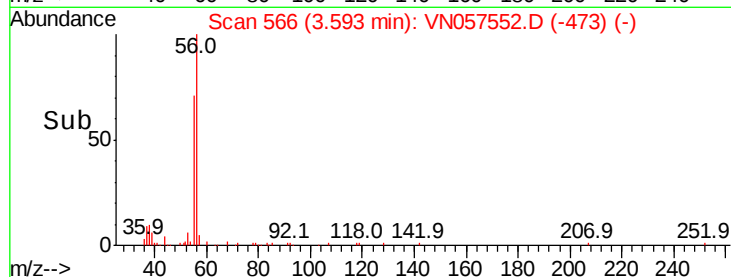
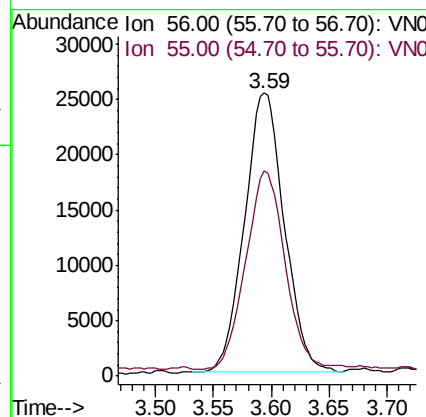
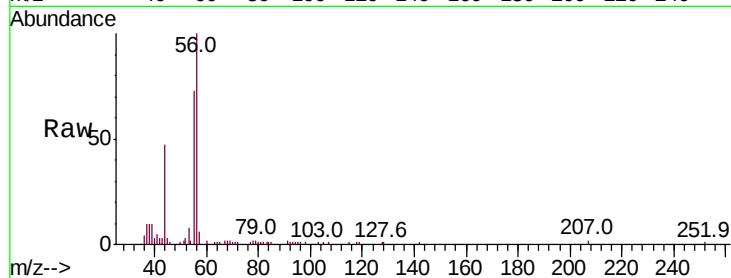
56 100

55 70.2 59.0 88.4

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#14

Allyl chloride

Concen: 12.647 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

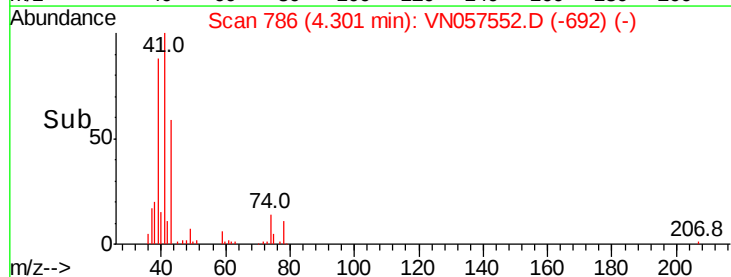
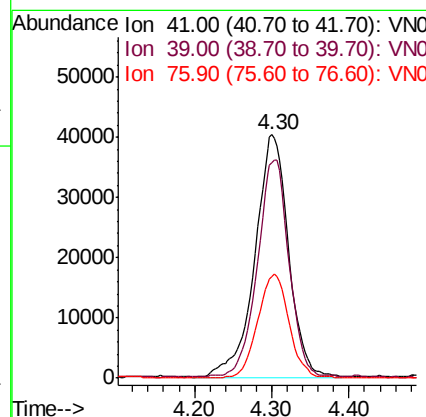
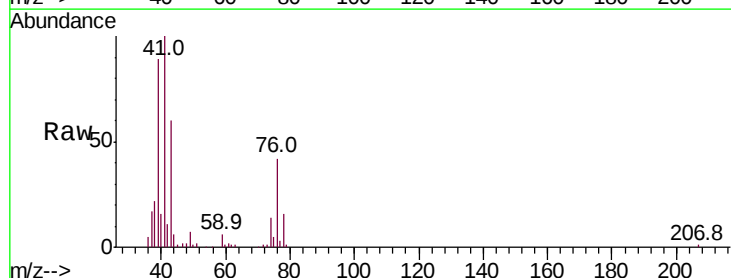
Tgt Ion: 41 Resp: 124161

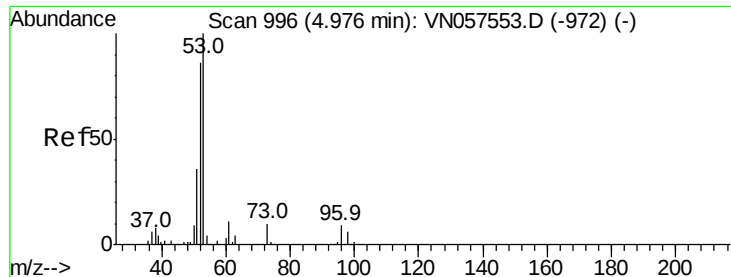
Ion Ratio Lower Upper

41 100

39 85.0 57.4 86.2

76 39.4 22.9 34.3#





#15

Acrylonitrile

Concen: 73.230 ug/l

RT: 4.98 min Scan# 997

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

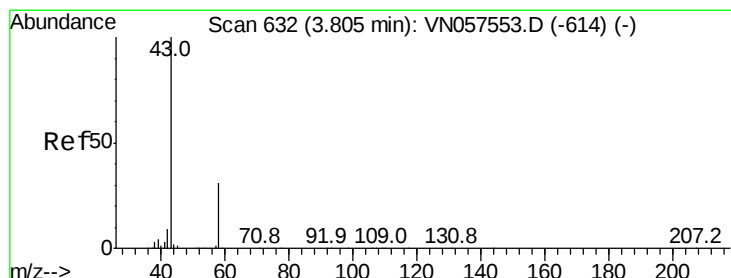
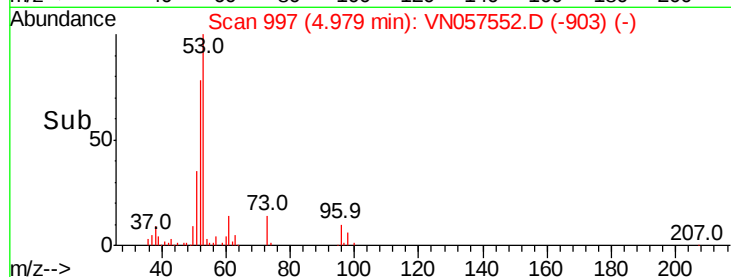
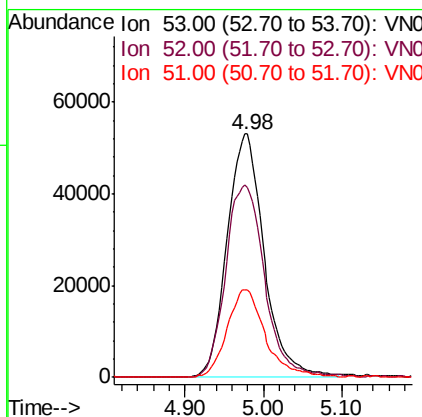
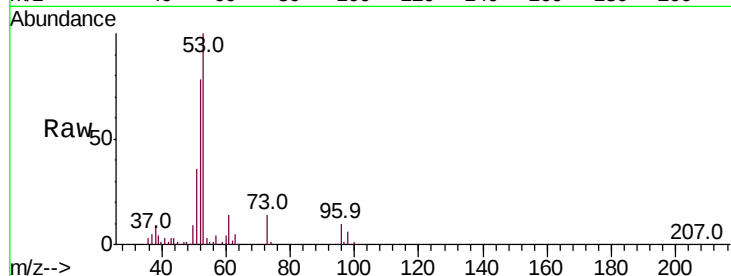
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	173872
Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.0	100.6
51	37.2	29.9	44.9

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#16

Acetone

Concen: 81.130 ug/l

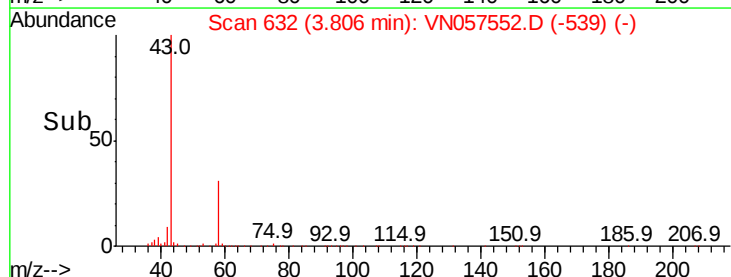
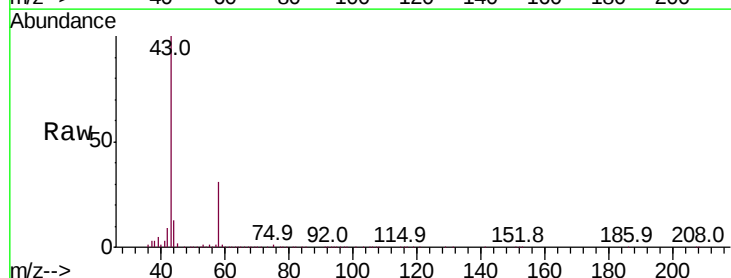
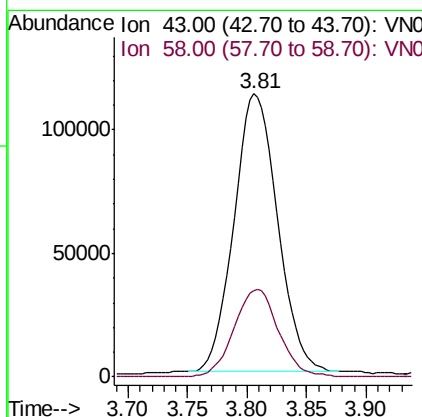
RT: 3.81 min Scan# 632

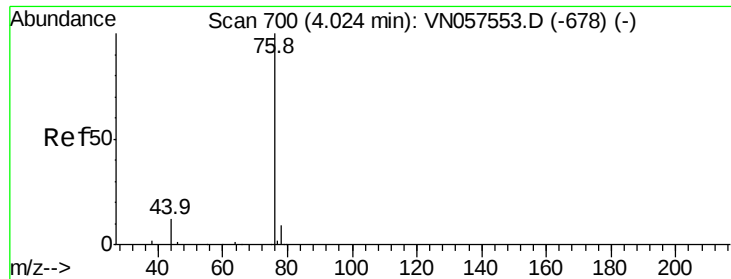
Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Tgt Ion:	43	Resp:	285600
Ion	Ratio	Lower	Upper
43	100		
58	30.9	22.1	33.1





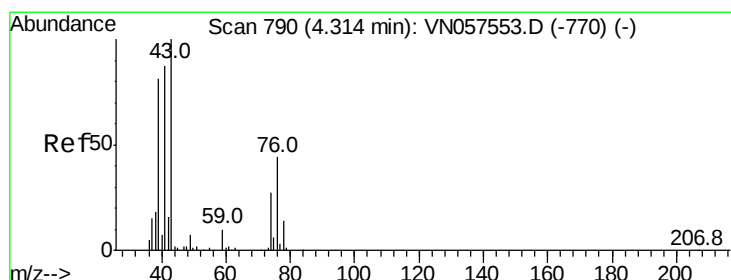
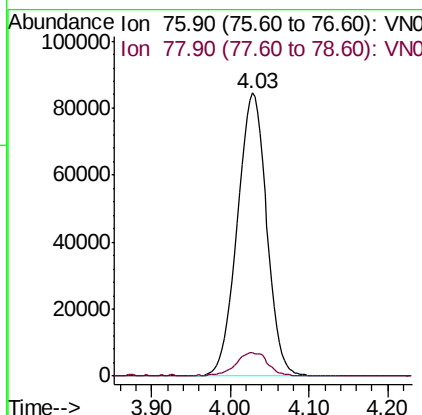
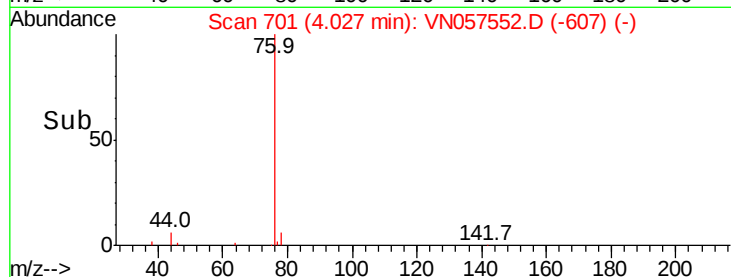
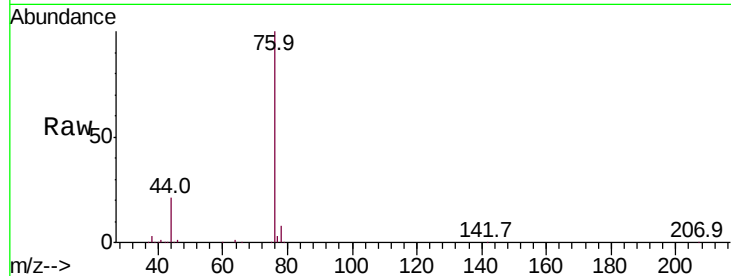
#17
Carbon Disulfide
Concen: 16.502 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 76 Resp: 221130
Ion Ratio Lower Upper
76 100
78 8.1 7.1 10.7

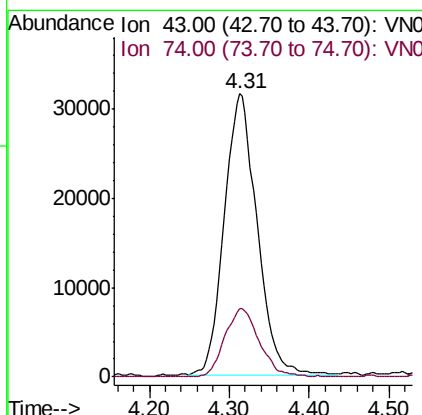
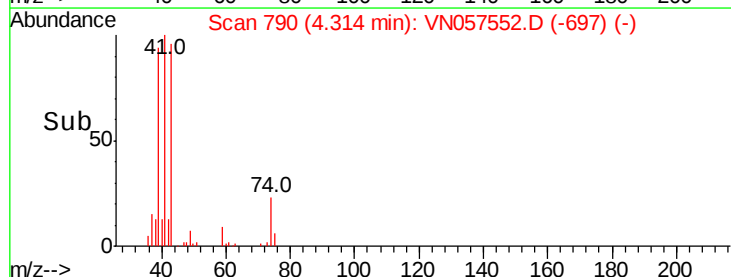
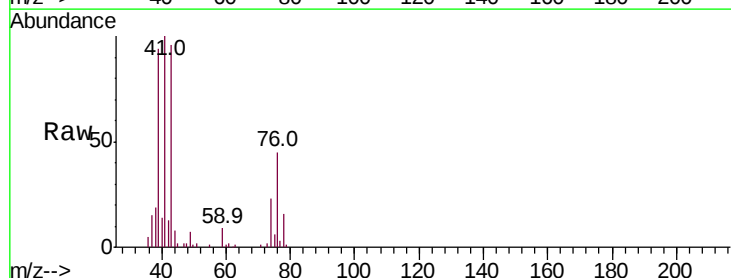
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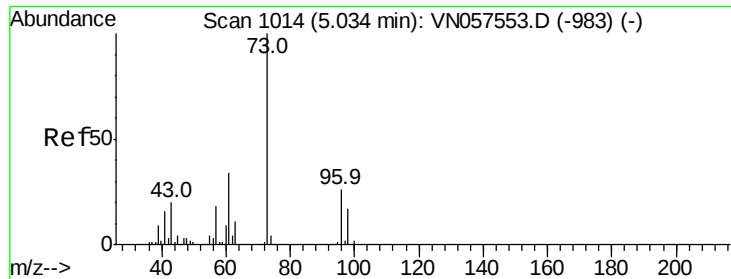
MMDadoda
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#18
Methyl Acetate
Concen: 10.532 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion: 43 Resp: 87647
Ion Ratio Lower Upper
43 100
74 25.6 15.9 23.9#





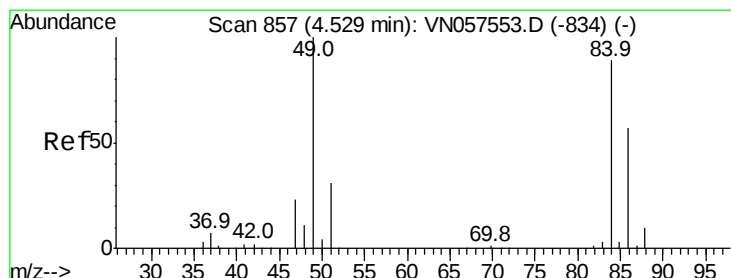
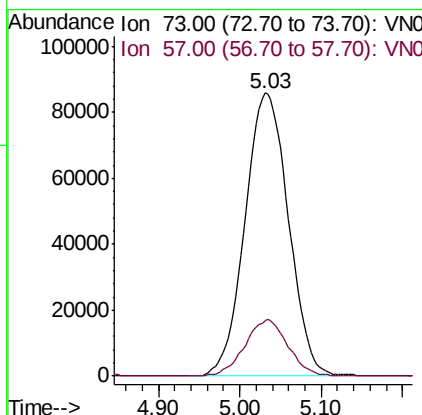
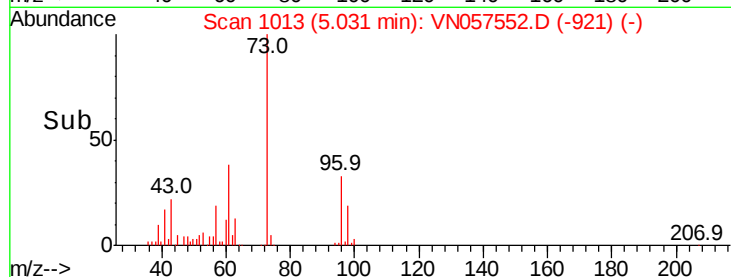
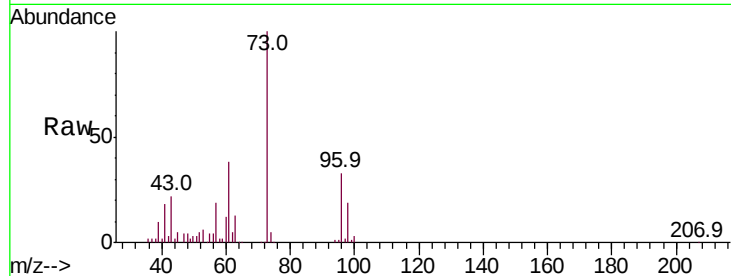
#19
Methvl tert-butvl Ether
Concen: 18.400 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 317124
Ion Ratio Lower Upper
73 100
57 19.4 19.1 28.7

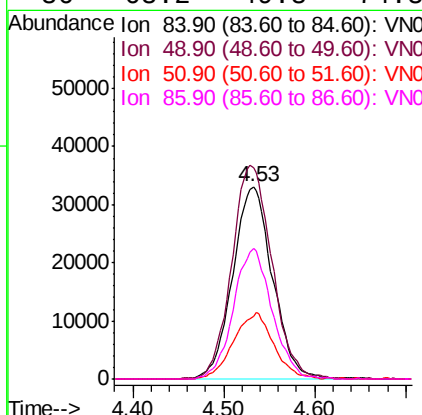
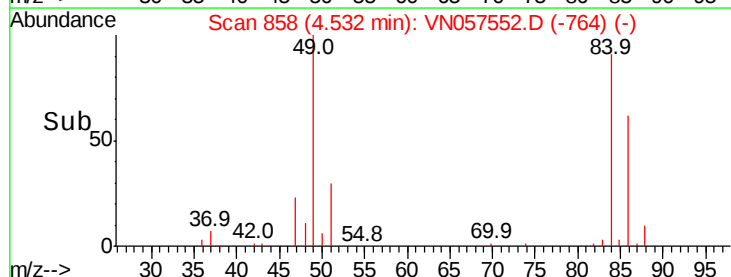
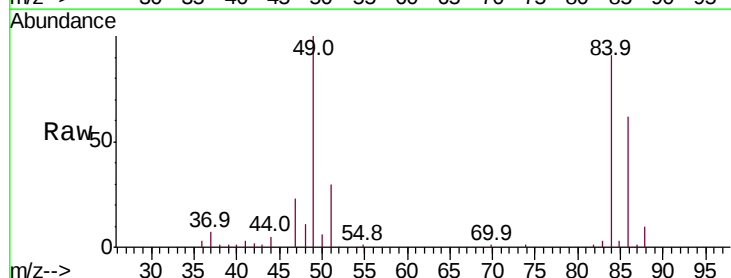
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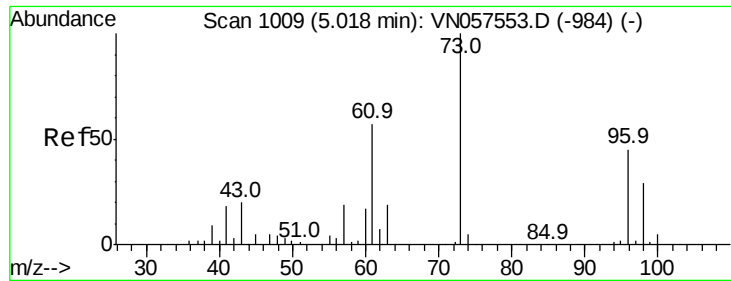
MMDadoda
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#20
Methylene Chloride
Concen: 18.175 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion: 84 Resp: 100700
Ion Ratio Lower Upper
84 100
49 109.6 117.0 175.4#
51 32.8 35.5 53.3#
86 68.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.928 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 96 Resp: 102048

Ion Ratio Lower Upper

96 100

61 124.9 127.9 191.9#

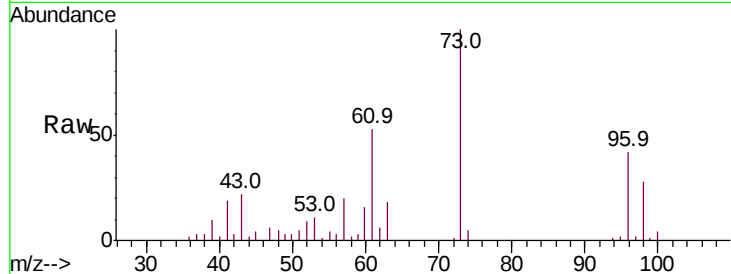
98 65.8 50.6 76.0

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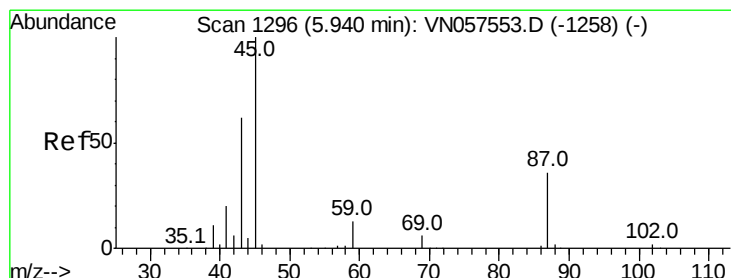
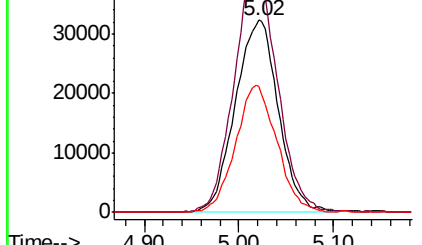
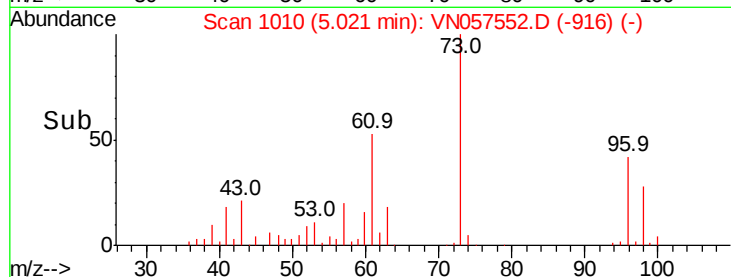


Abundance Ion 95.90 (95.60 to 96.60): VN057553.D (-984) (-)

Ion 60.90 (60.60 to 61.60): VN057553.D (-984) (-)

Ion 97.90 (97.60 to 98.60): VN057553.D (-984) (-)

Time-->



#22

Diisopropyl ether

Concen: 14.241 ug/l

RT: 5.94 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Tgt Ion: 45 Resp: 275808

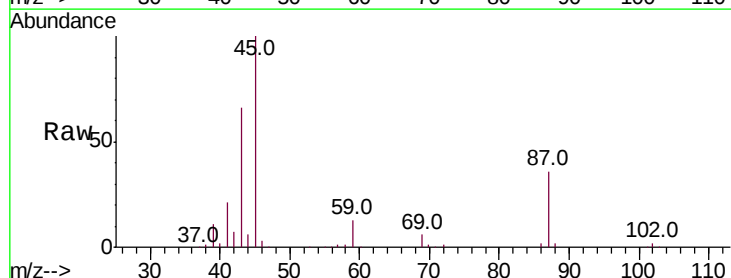
Ion Ratio Lower Upper

45 100

43 64.9 46.9 70.3

87 35.8 19.3 28.9#

59 12.8 8.7 13.1



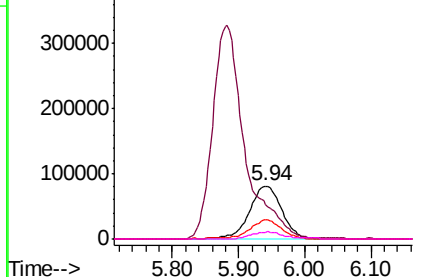
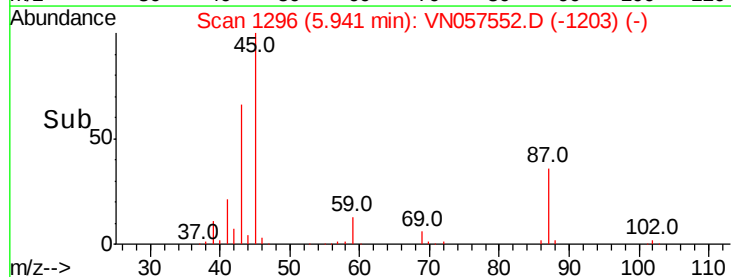
Abundance Ion 45.00 (44.70 to 45.70): VN057553.D (-1258) (-)

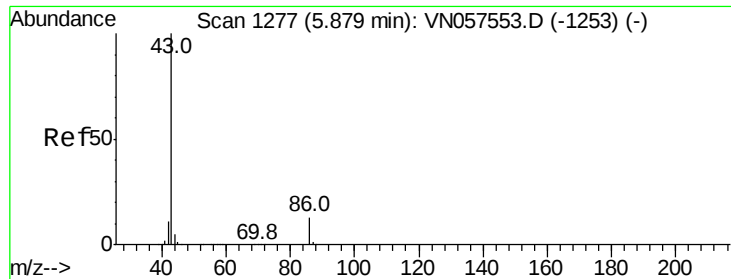
Ion 43.00 (42.70 to 43.70): VN057553.D (-1258) (-)

Ion 87.00 (86.70 to 87.70): VN057553.D (-1258) (-)

Ion 59.00 (58.70 to 59.70): VN057553.D (-1258) (-)

Time-->





#23

Vinyl Acetate

Concen: 72.717 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1105672

Ion Ratio Lower Upper

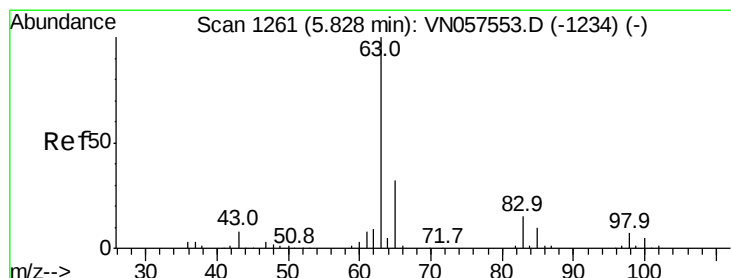
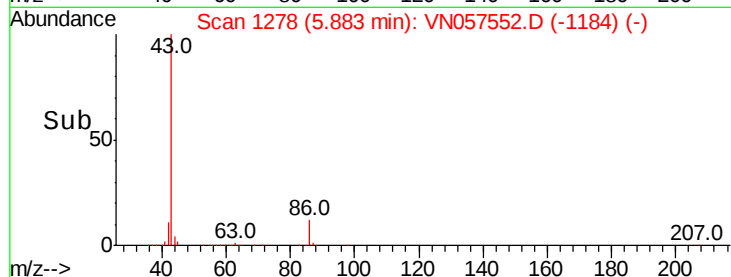
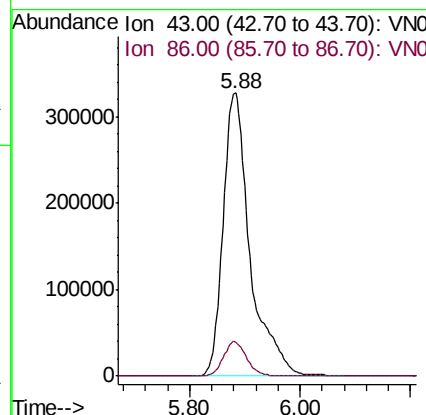
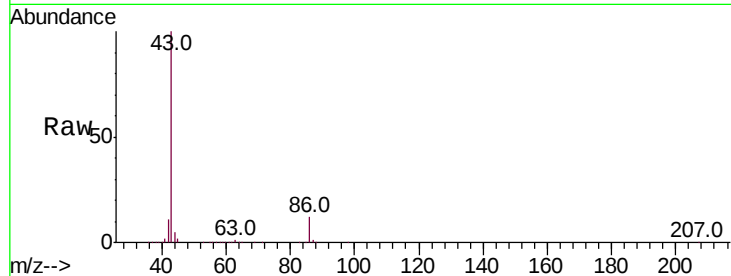
43 100

86 12.0 6.7 10.1#

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#24

1,1-Dichloroethane

Concen: 16.787 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

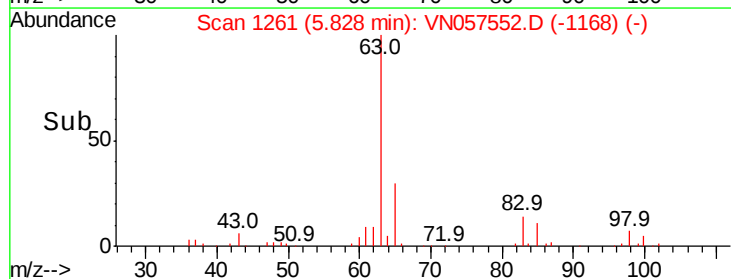
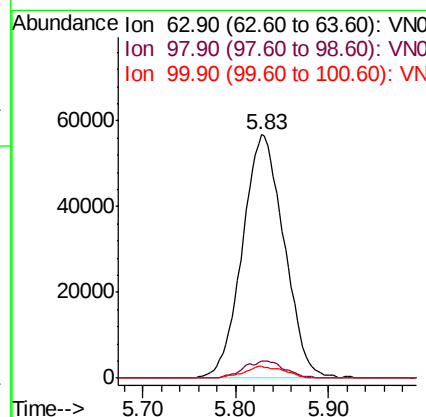
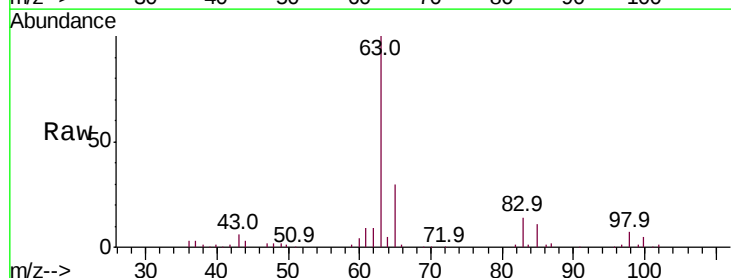
Tgt Ion: 63 Resp: 177282

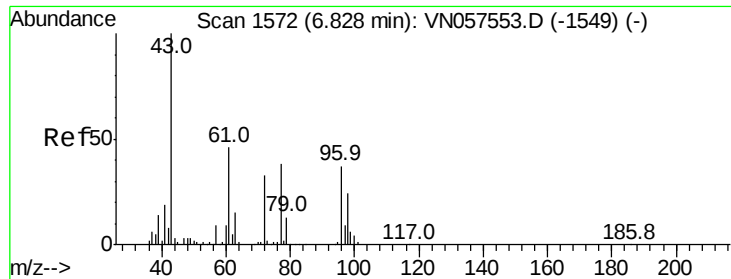
Ion Ratio Lower Upper

63 100

98 7.0 2.9 8.6

100 4.7 2.1 6.3





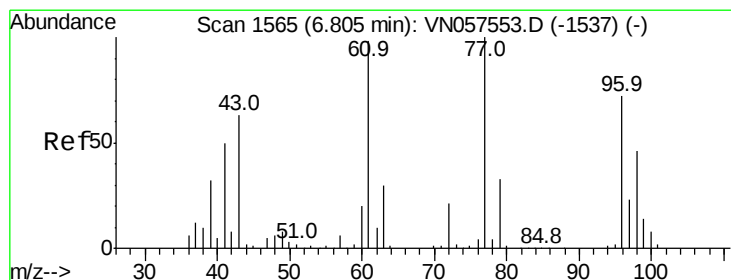
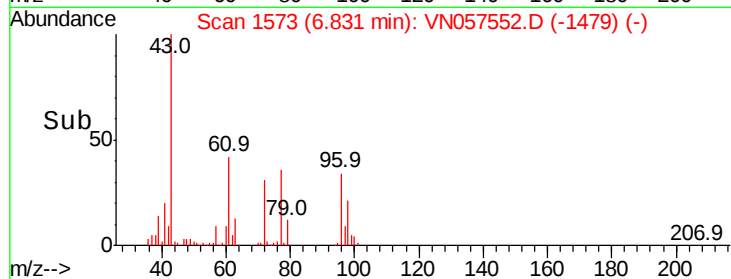
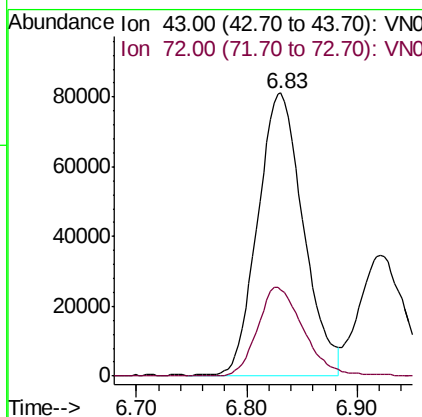
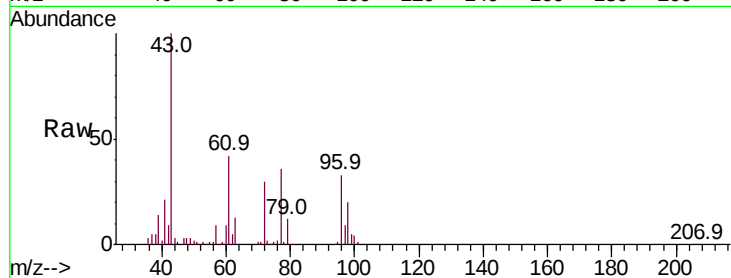
#25
2-Butanone
Concen: 66.210 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 231902
Ion Ratio Lower Upper
43 100
72 30.5 17.8 26.8#

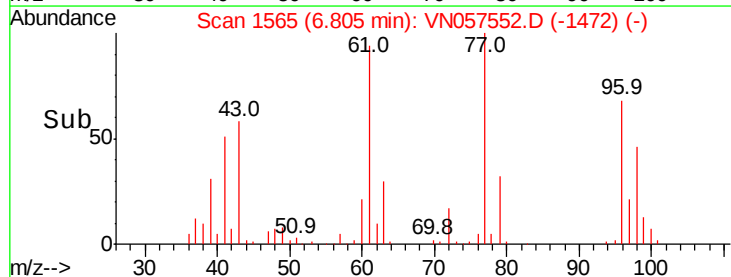
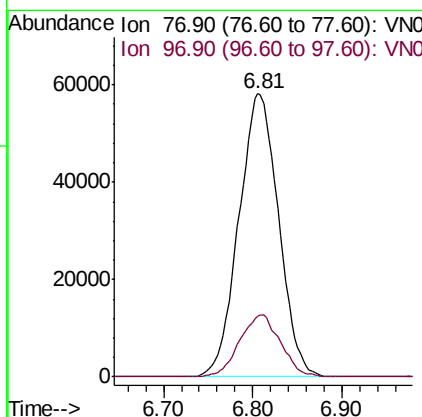
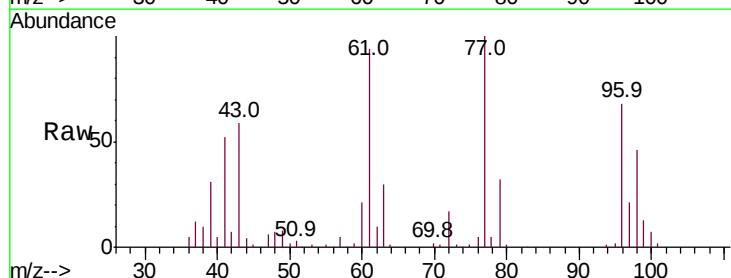
Manual Integrations
APPROVED

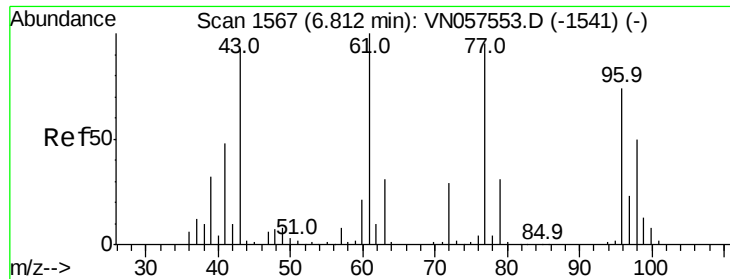
MMDadoda
9/3/2019 2:38:41 AM



#26
2,2-Dichloropropane
Concen: 19.138 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion: 77 Resp: 180156
Ion Ratio Lower Upper
77 100
97 22.7 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 20.125 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

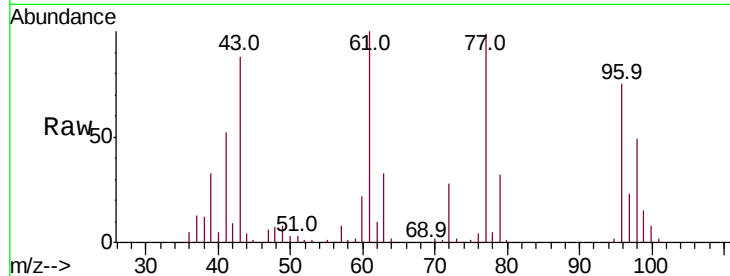
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	122697
Ion Ratio	Lower	Upper	
96	100		
61	137.0	0.0	334.8
98	65.4	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:38:41 AM

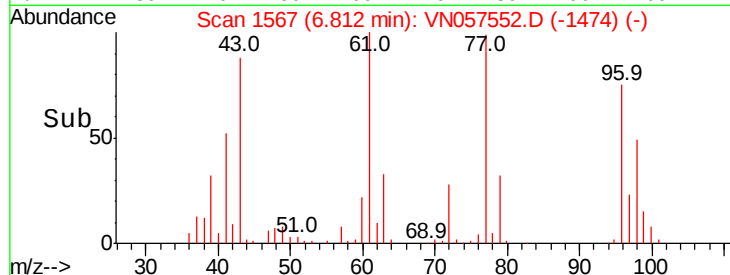


Abundance Ion 95.90 (95.60 to 96.60): VN057553.D (-1541) (-)

Ion 60.90 (60.60 to 61.60): VN057553.D (-1541) (-)

Ion 97.90 (97.60 to 98.60): VN057553.D (-1541) (-)

Time-->



6.81

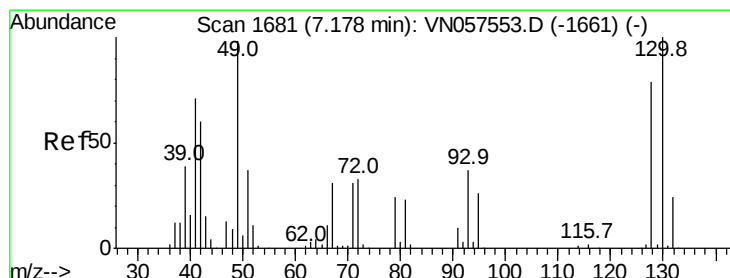
40000

20000

0

6.70 6.80 6.90

Time-->



#28

Bromochloromethane

Concen: 14.719 ug/l

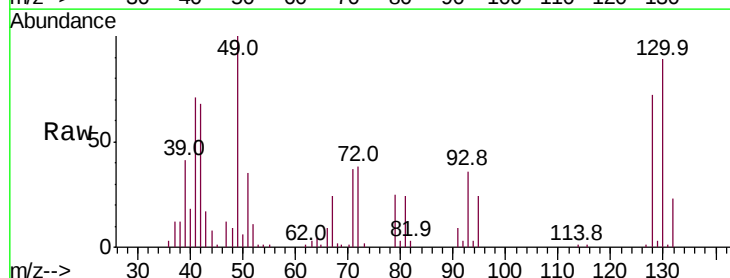
RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Tgt Ion:	49	Resp:	80210
Ion Ratio	Lower	Upper	
49	100		
129	2.5	0.0	3.6
130	92.2	48.6	72.8#

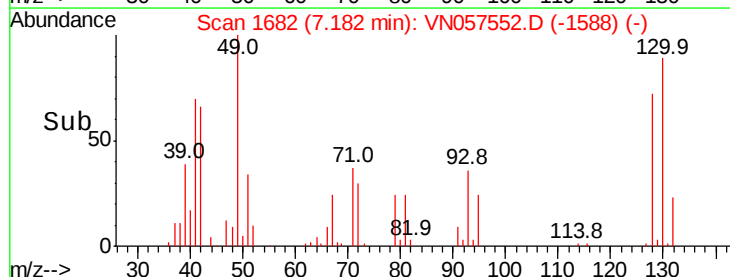


Abundance Ion 48.90 (48.60 to 49.60): VN057553.D (-1661) (-)

Ion 128.80 (128.50 to 129.50): VN057553.D (-1661) (-)

Ion 129.80 (129.50 to 130.50): VN057553.D (-1661) (-)

Time-->



7.18

40000

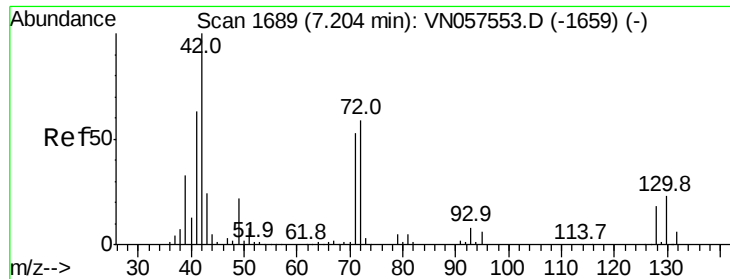
30000

20000

10000

0

7.05 7.10 7.15 7.20 7.25



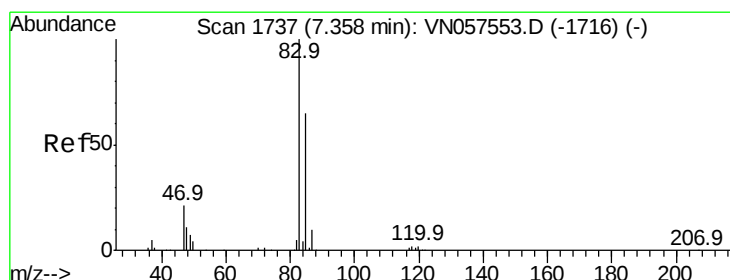
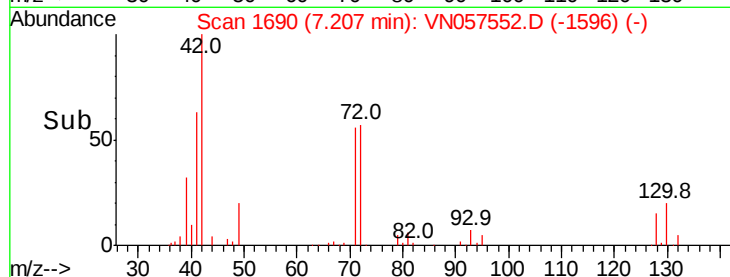
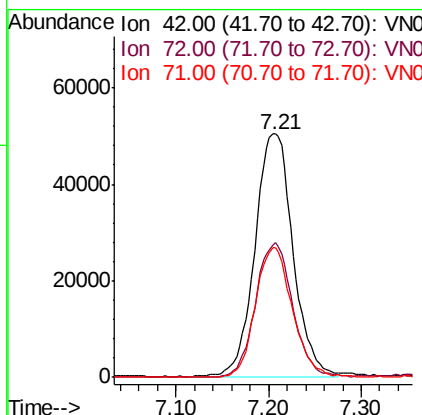
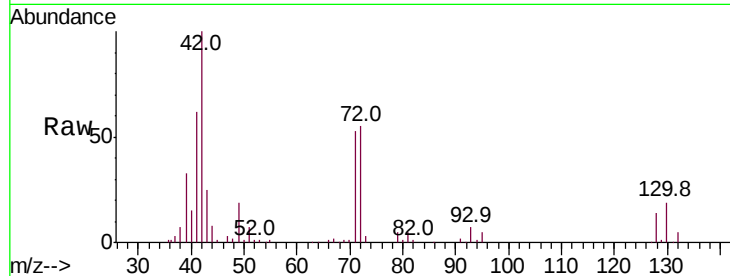
#29
Tetrahydrofuran
Concen: 63.365 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.0	30.1	45.1#
71	51.7	28.8	43.2#

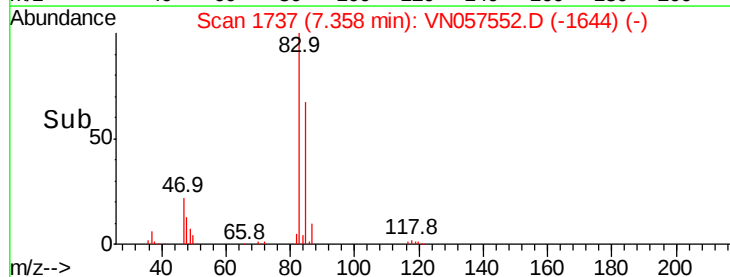
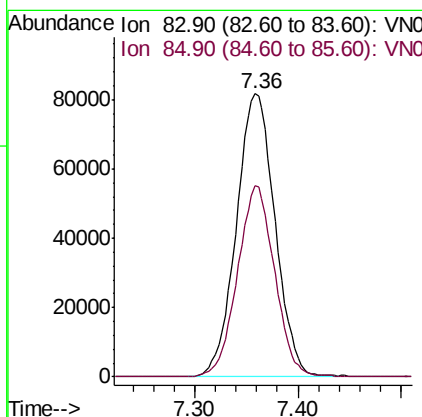
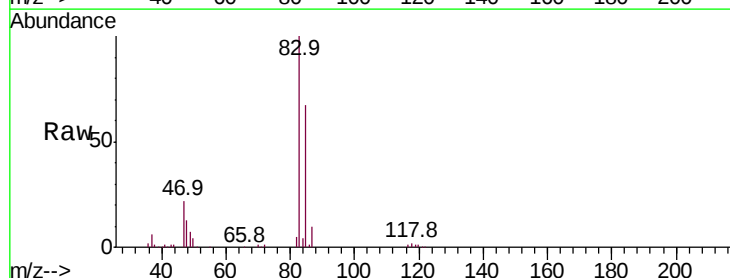
Manual Integrations
APPROVED

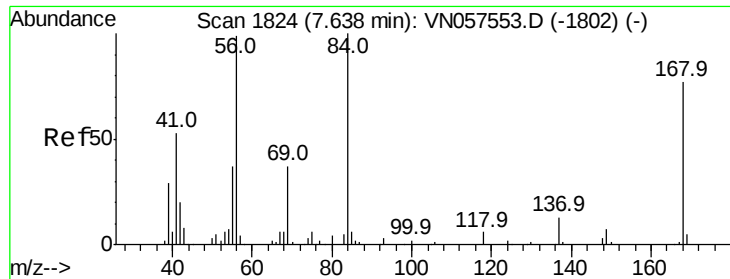
MMDadoda
9/3/2019 2:38:41 AM



#30
Chloroform
Concen: 18.791 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.9	77.9





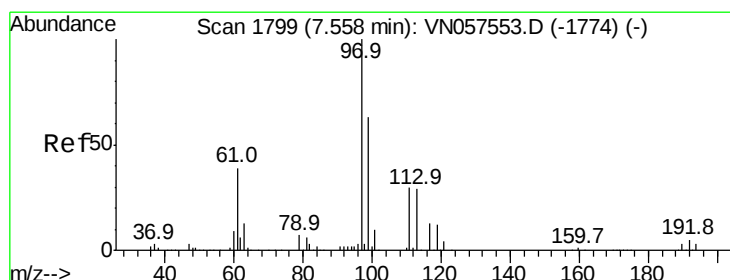
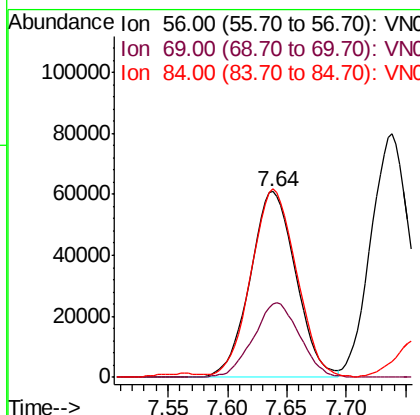
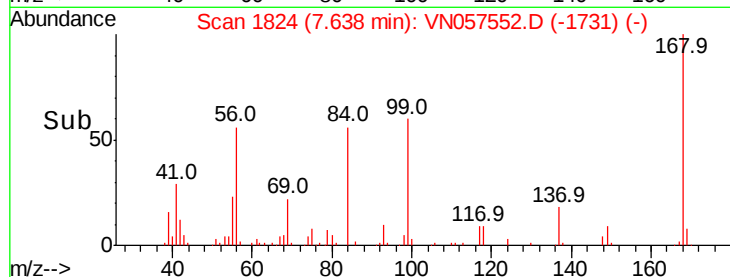
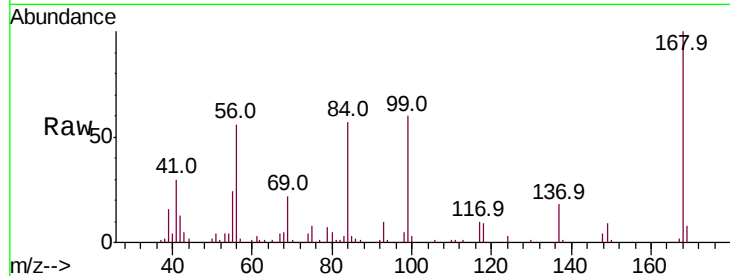
#31
Cyclohexane
Concen: 16.236 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.2	25.0	37.6#
84	100.2	62.5	93.7#

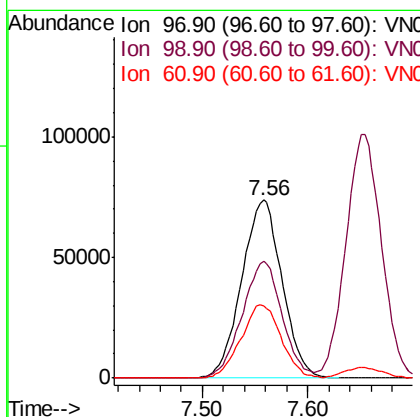
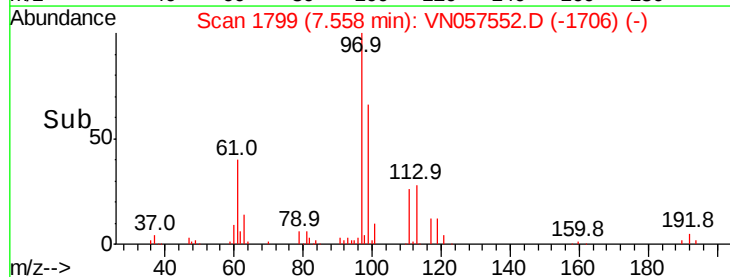
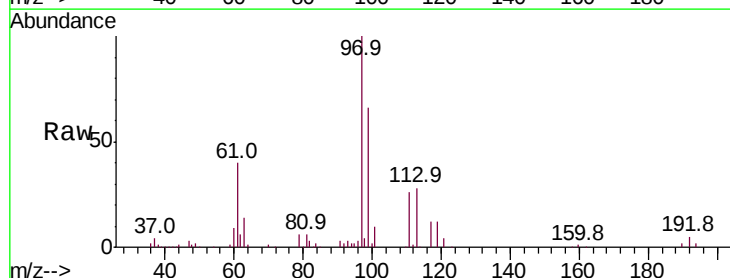
Manual Integrations
APPROVED

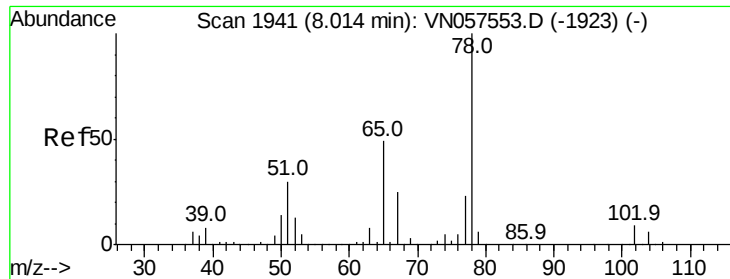
MMDadoda
9/3/2019 2:38:41 AM



#32
1,1,1-Trichloroethane
Concen: 20.742 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.0	76.6
61	41.0	39.8	59.6





#33

1,2-Dichloroethane-d4

Concen: 18.918 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 137857

Ion Ratio Lower Upper

65 100

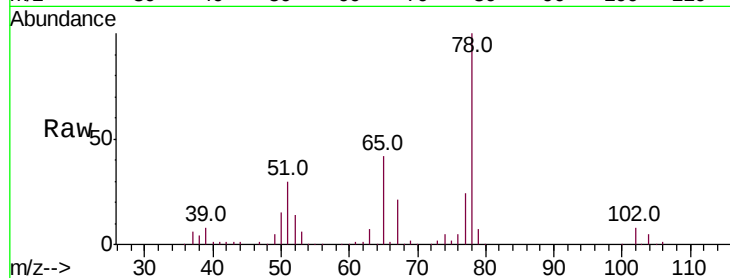
67 50.9 0.0 103.8

Manual Integrations

APPROVED

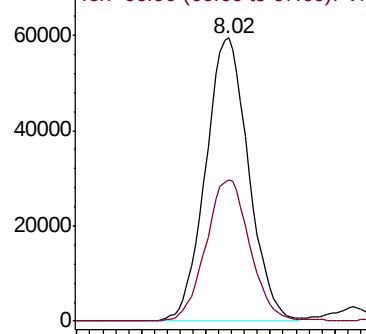
MMDadoda

9/3/2019 2:38:41 AM

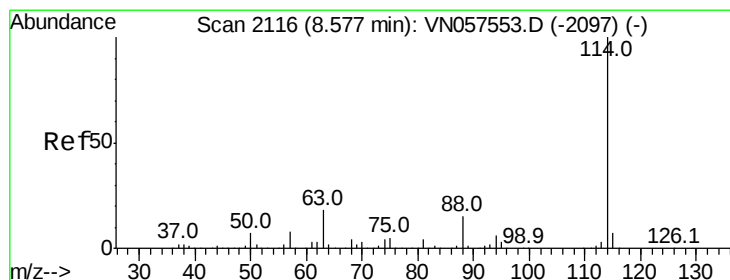
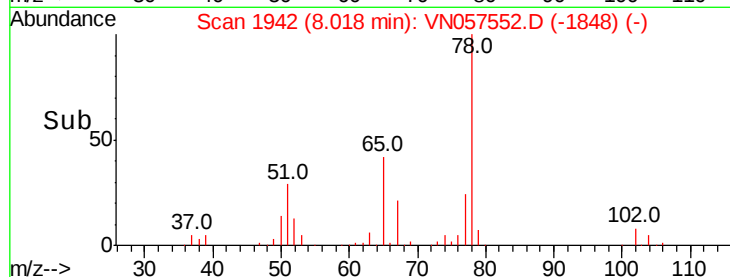


Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

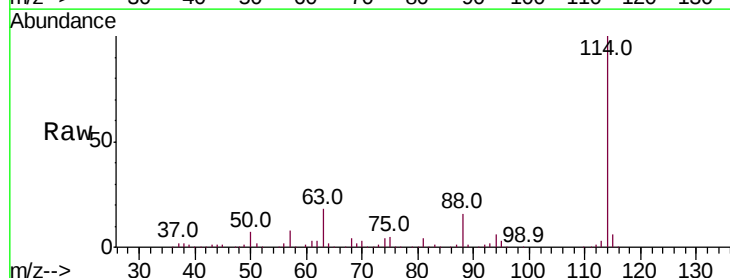
Tgt Ion:114 Resp: 659887

Ion Ratio Lower Upper

114 100

63 18.1 0.0 50.2

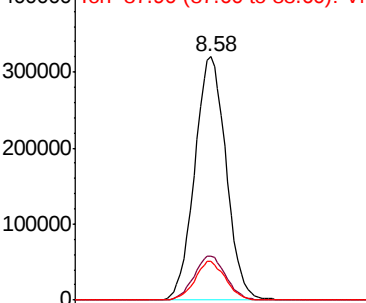
88 15.8 0.0 34.6



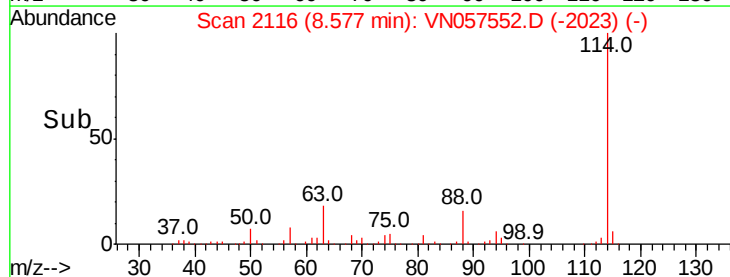
Abundance Ion 113.90 (113.60 to 114.60): V

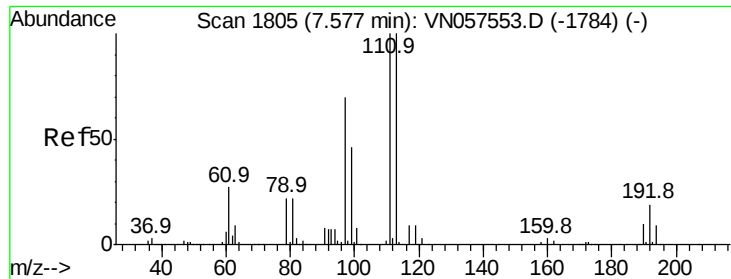
Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



Time--> 8.50 8.60 8.70





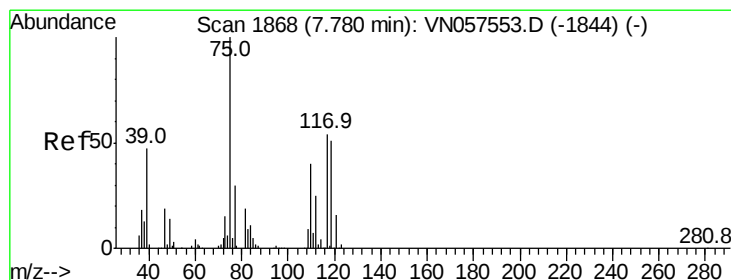
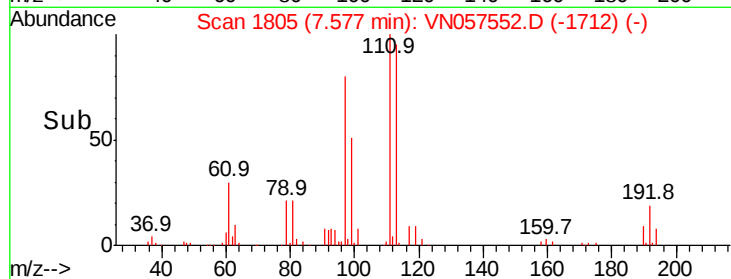
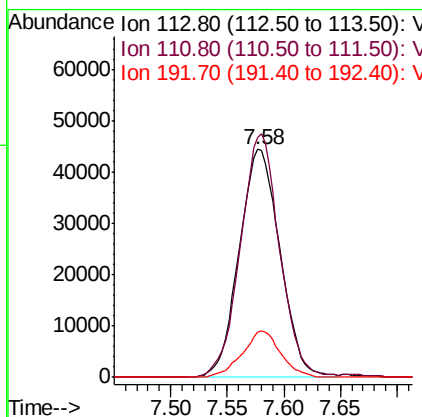
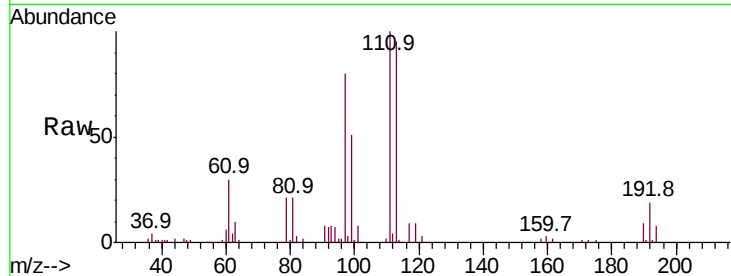
#35
 Dibromofluoromethane
 Concen: 23.546 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	83.8	125.6	
192	19.1	13.5	20.3	

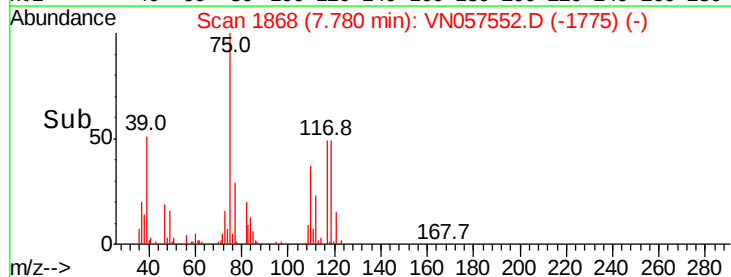
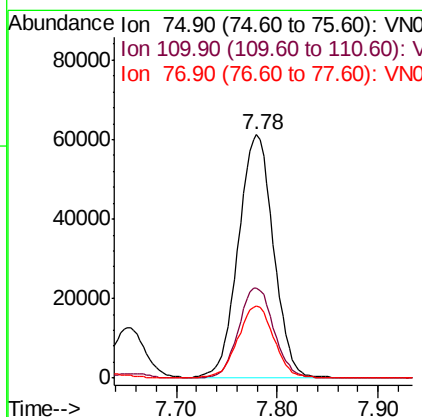
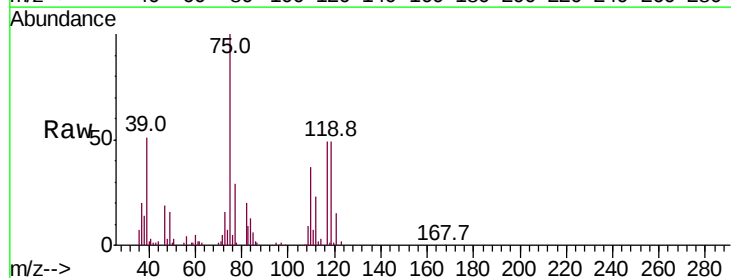
Manual Integrations
 APPROVED

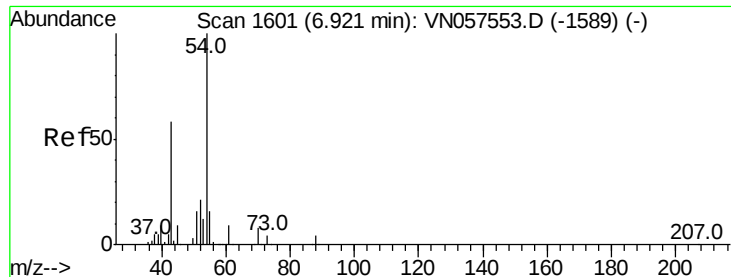
MMDadoda
 9/3/2019 2:38:41 AM



#36
 1,1-Dichloropropene
 Concen: 21.411 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.1	16.1	48.3	
77	30.4	24.8	37.2	





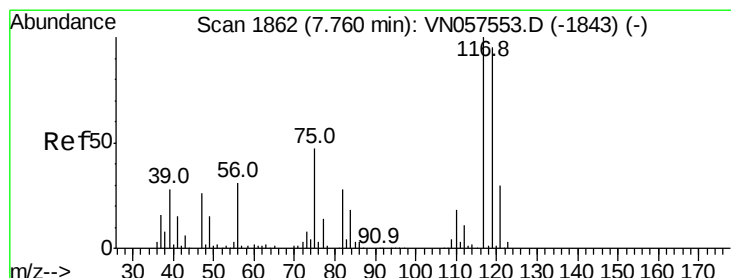
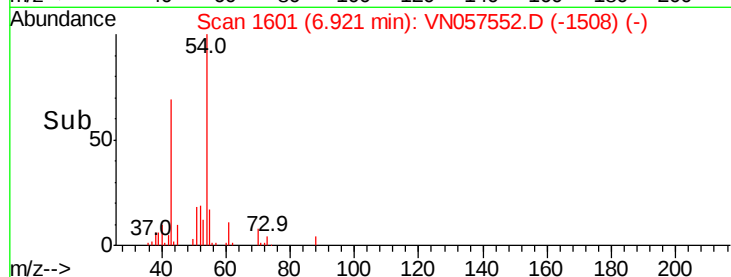
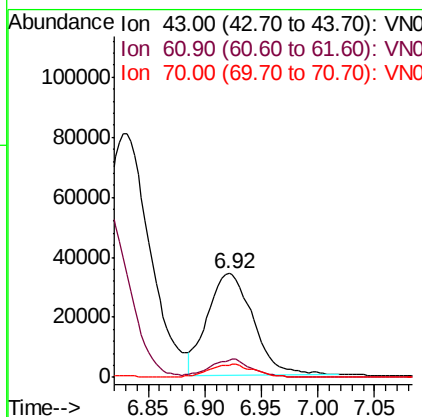
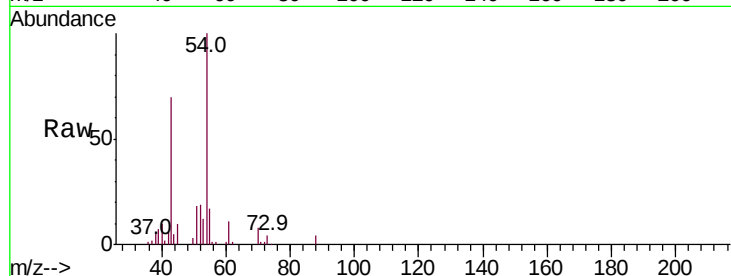
#37
Ethyl Acetate
Concen: 15.032 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	9.9	14.9#
70	12.3	7.0	10.6#

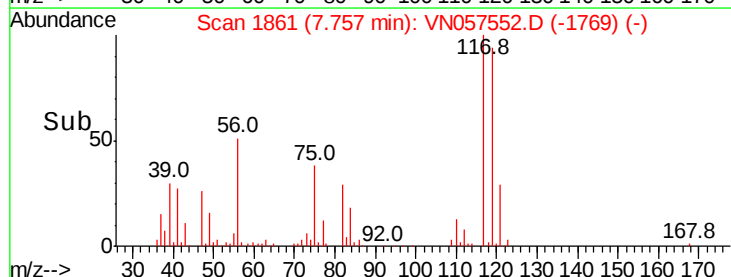
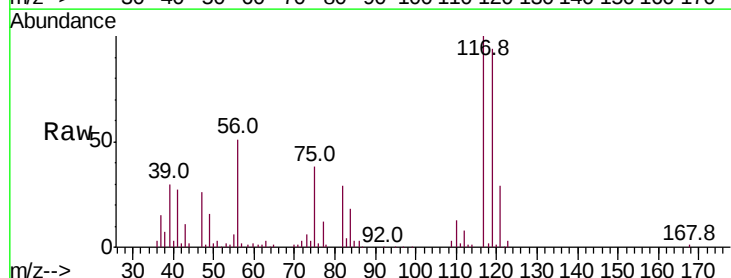
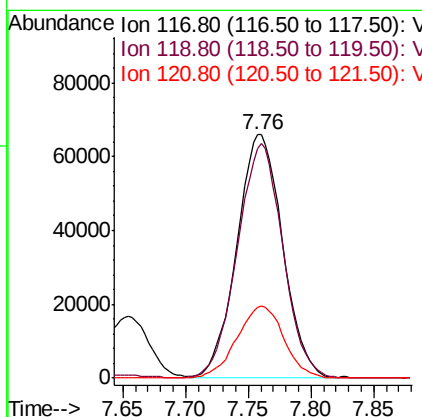
Manual Integrations
APPROVED

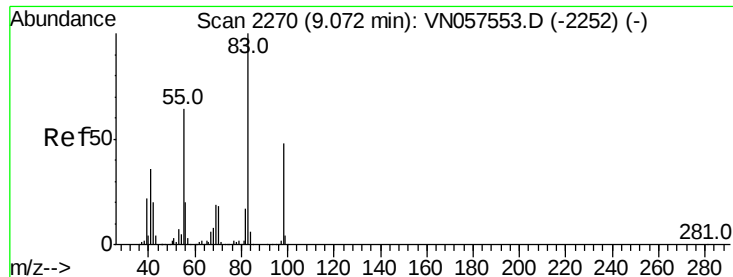
MMDadoda
9/3/2019 2:38:41 AM



#38
Carbon Tetrachloride
Concen: 23.433 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.2	114.4
121	29.2	23.8	35.6





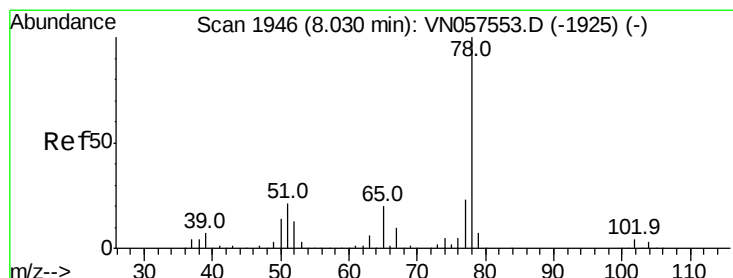
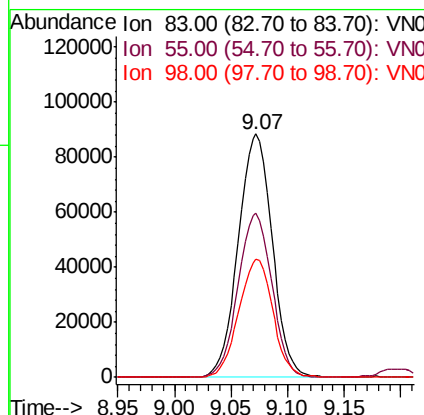
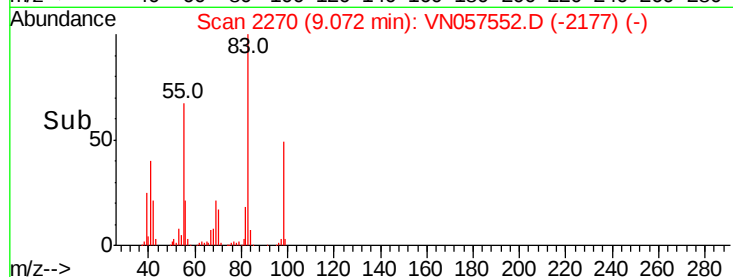
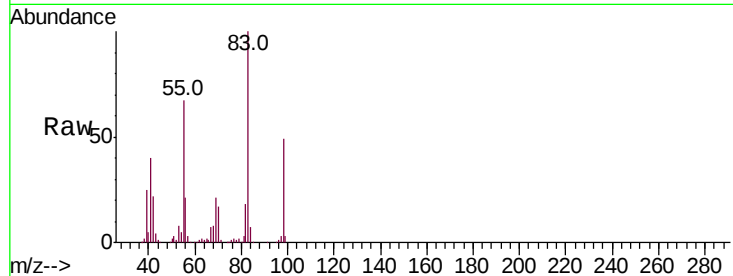
#39
Methvlcvclohexane
Concen: 22.364 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.2	68.6	102.8#
98	48.8	36.6	54.8

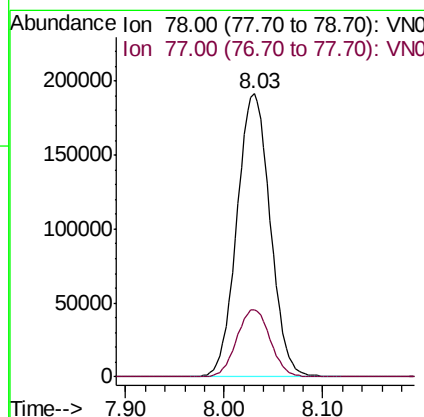
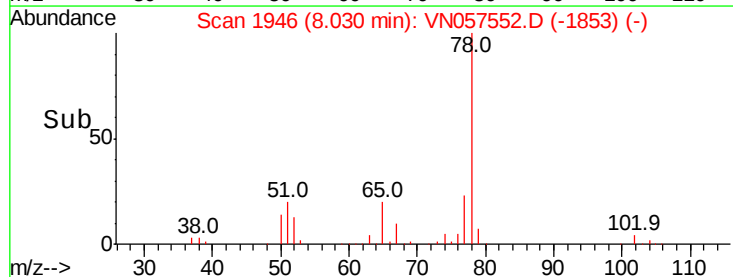
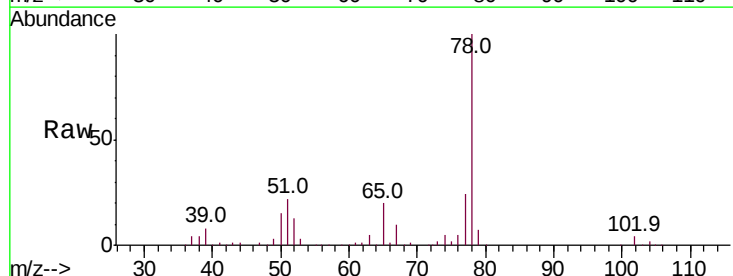
Manual Integrations
APPROVED

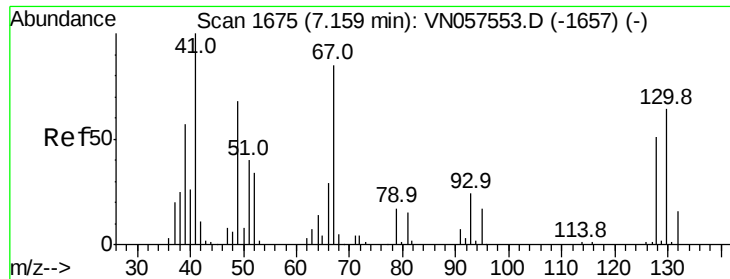
MMDadoda
9/3/2019 2:38:41 AM



#40
Benzene
Concen: 21.583 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.5	27.7





#41

Methacrylonitrile

Concen: 13.087 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 39564

Ion Ratio Lower Upper

41 100

39 67.5 53.6 80.4

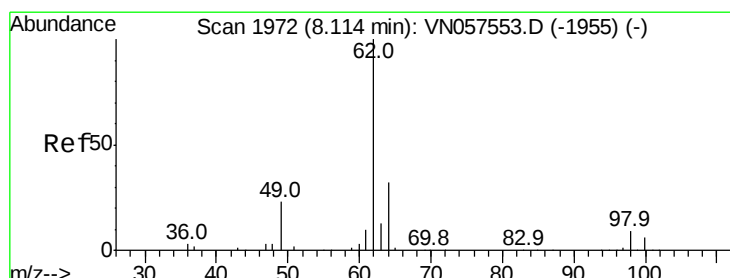
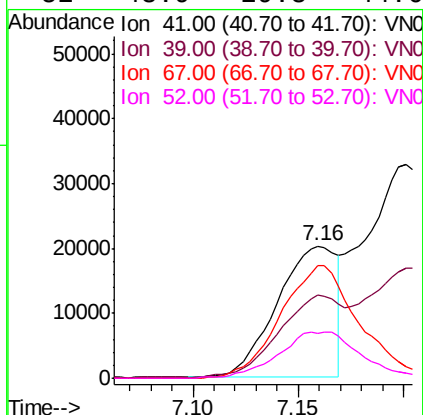
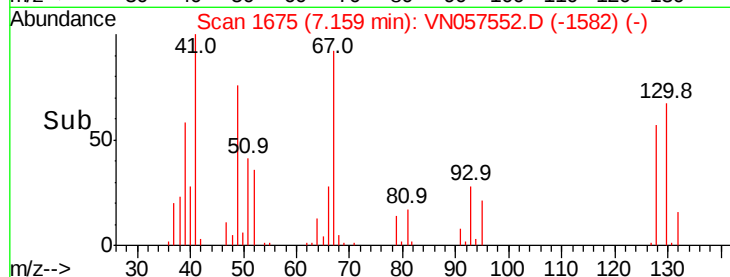
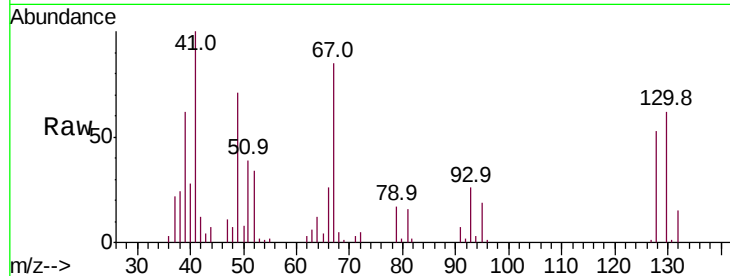
67 113.6 65.4 98.2#

52 48.9 29.8 44.6#

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#42

1,2-Dichloroethane

Concen: 20.239 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VN057552.D

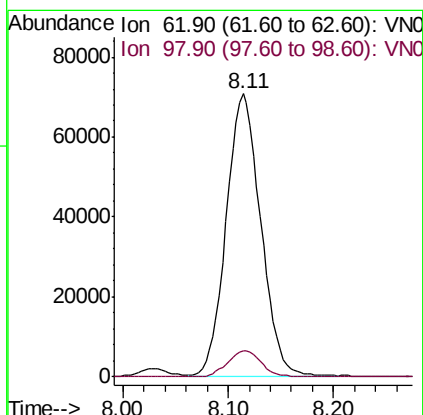
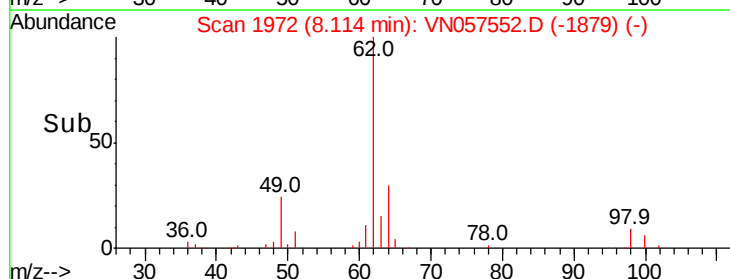
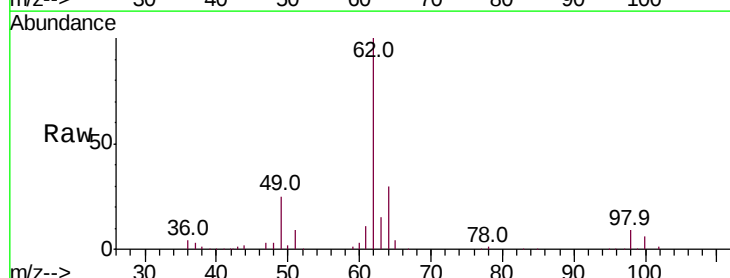
Acq: 29 Aug 2019 16:14

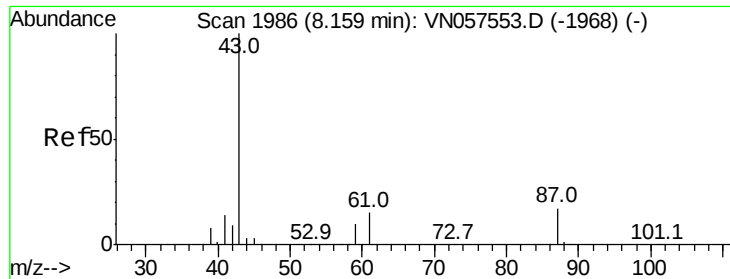
Tgt Ion: 62 Resp: 159914

Ion Ratio Lower Upper

62 100

98 9.0 0.0 15.4





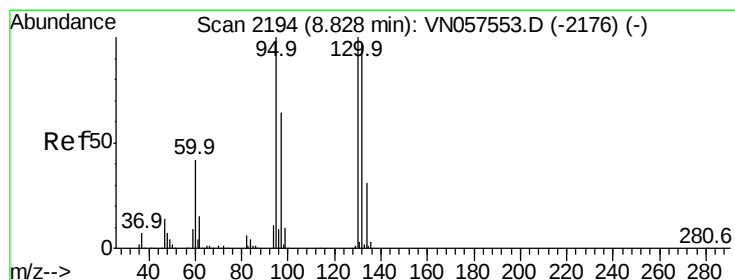
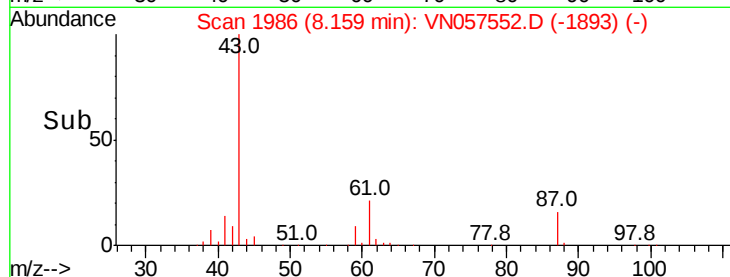
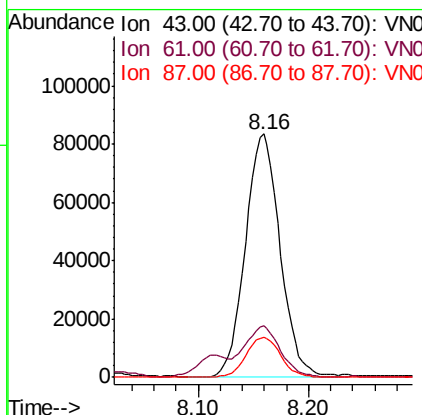
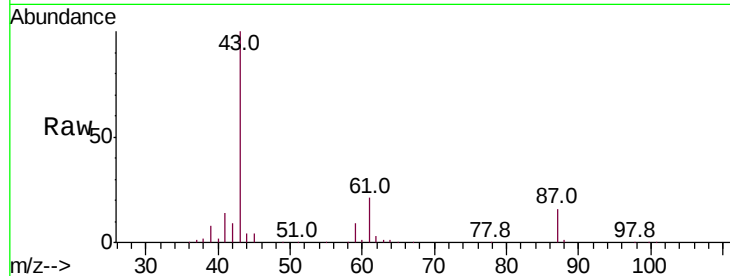
#43
Isopropyl Acetate
Concen: 15.358 ug/l
RT: 8.16 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.9	14.5	21.7#
87	16.4	8.6	12.8#

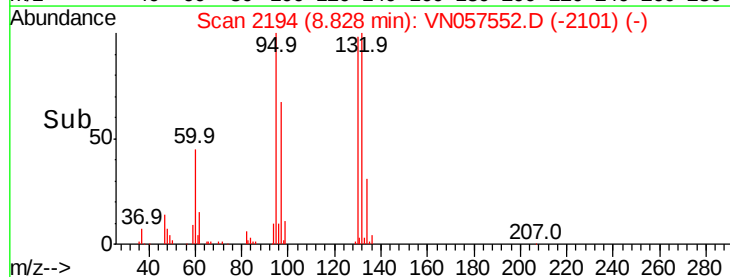
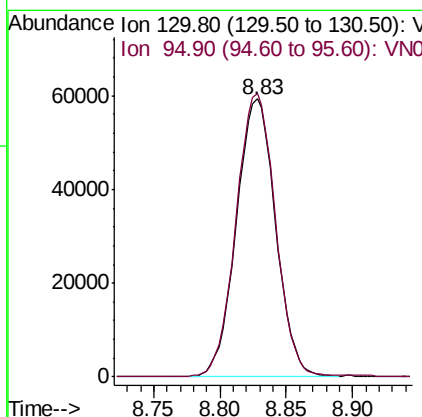
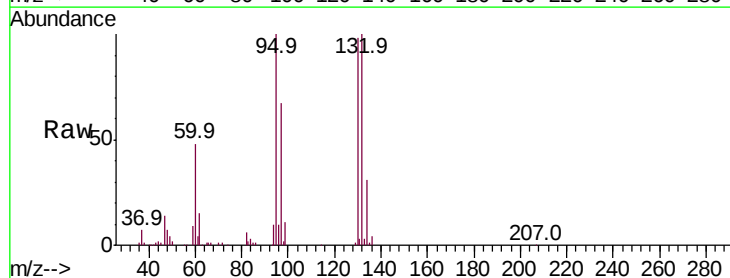
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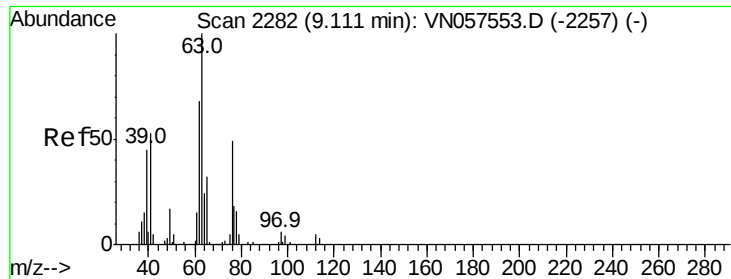
MMDadoda
9/3/2019 2:38:41 AM



#44
Trichloroethene
Concen: 25.314 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	231.6





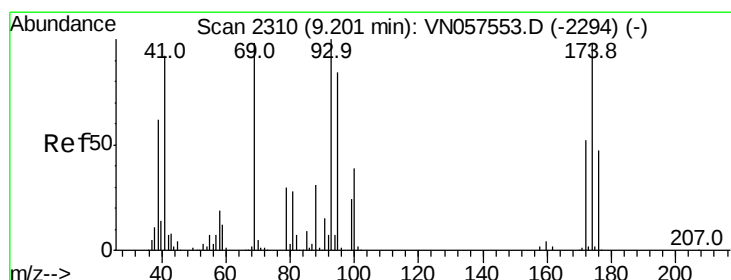
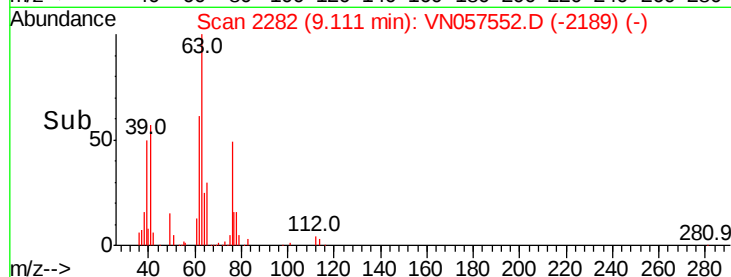
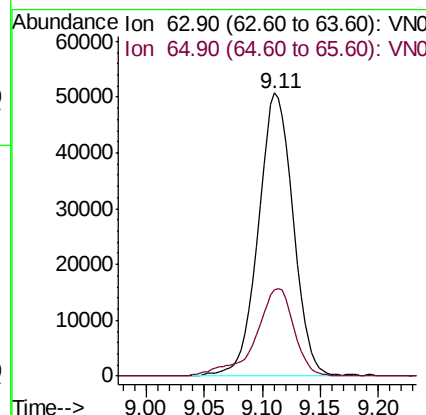
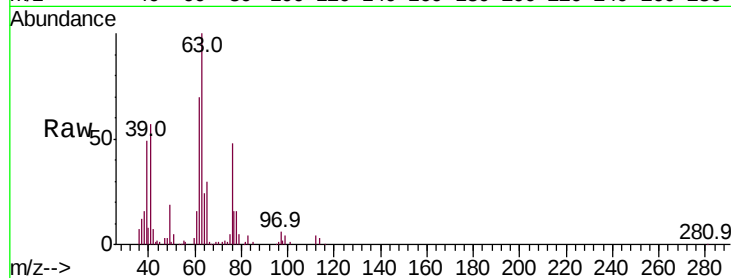
#45
 1,2-Dichloropropane
 Concen: 18.651 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	63	Ratio	100	Resp	106189
Ion	63	100		Lower	Upper
	65	30.3		24.7	37.1

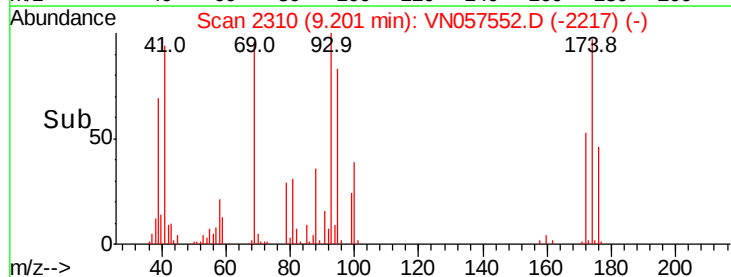
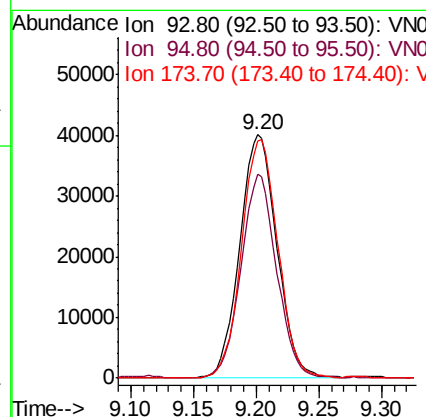
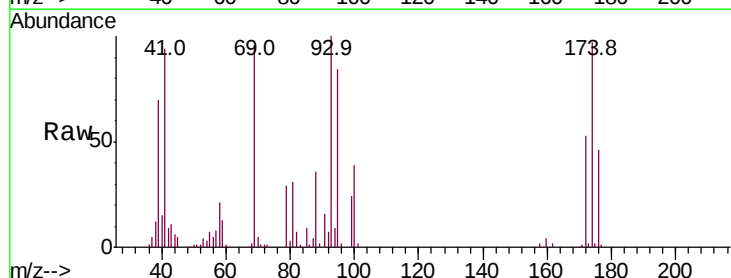
Manual Integrations
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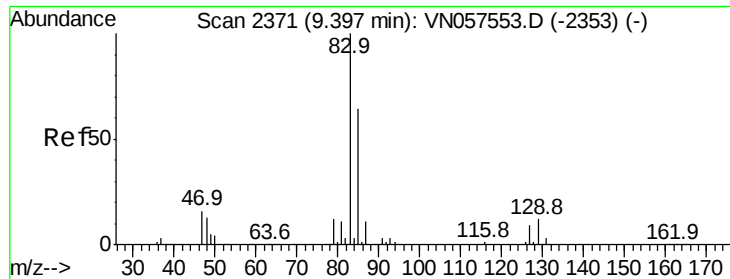
MMDadoda
 9/3/2019 2:38:41 AM



#46
 Dibromomethane
 Concen: 21.959 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Tgt Ion	93	Ratio	100	Resp	82641
Ion	93	100		Lower	Upper
	95	80.3		64.7	97.1
	174	96.0		62.3	93.5#





#47

Bromodichloromethane

Concen: 21.833 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

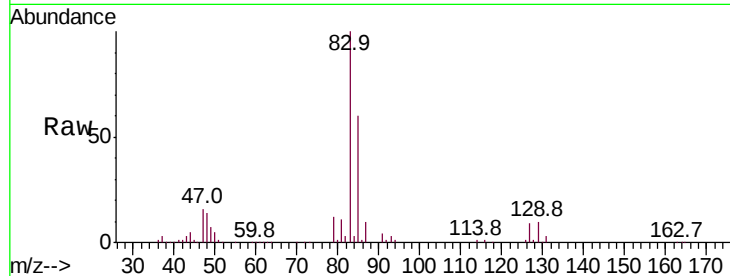
ClientSampleId :

VSTDIC020

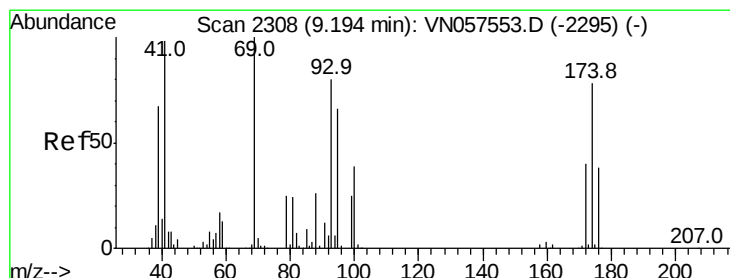
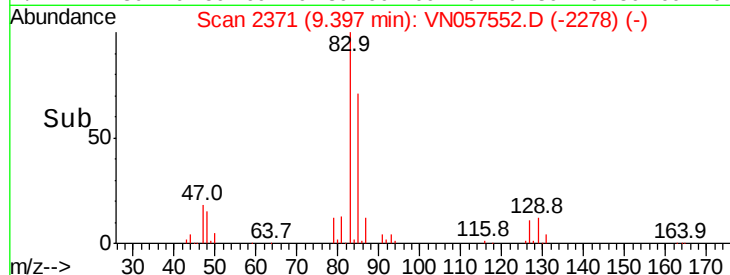
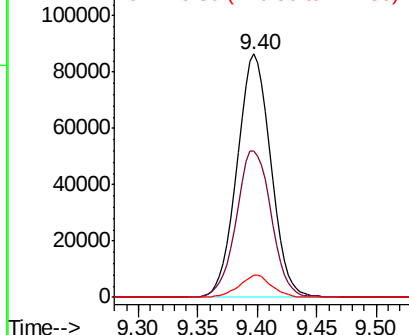
Tot Ion:	83	Resp:	169975
Ion Ratio	Lower	Upper	
83	100		
85	60.1	51.2	76.8
127	9.2	6.6	10.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 14.528 ug/l

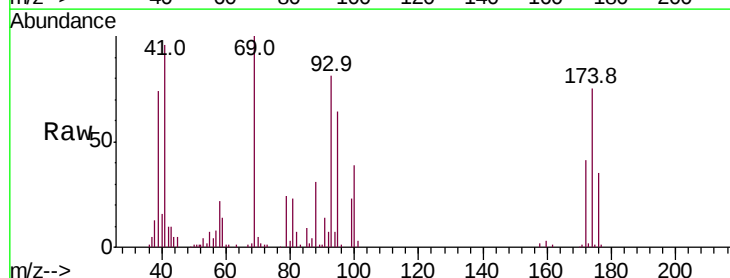
RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

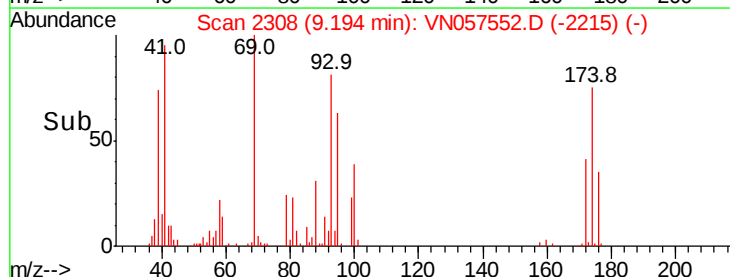
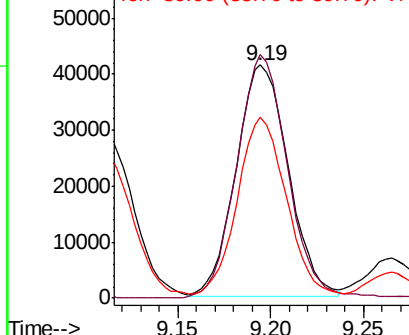
Lab File: VN057552.D

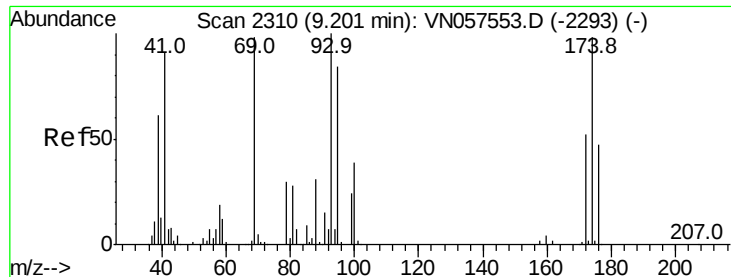
Acq: 29 Aug 2019 16:14

Tgt Ion:	41	Resp:	80951
Ion Ratio	Lower	Upper	
41	100		
69	102.5	59.3	88.9#
39	73.3	50.6	75.8



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





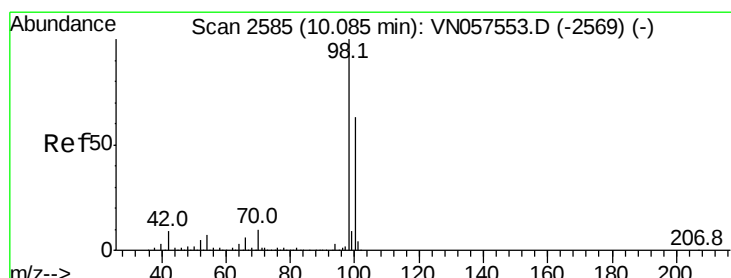
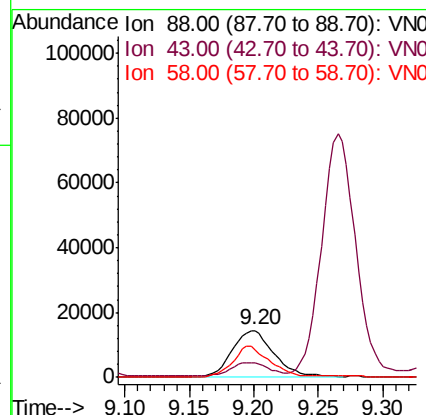
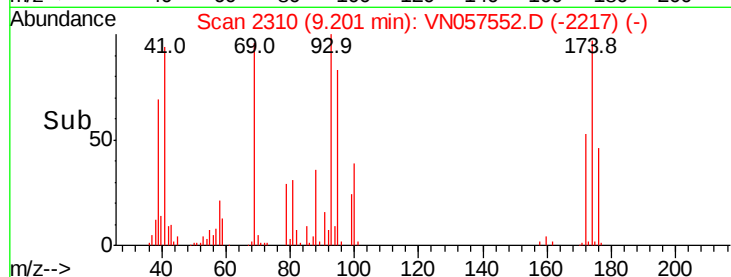
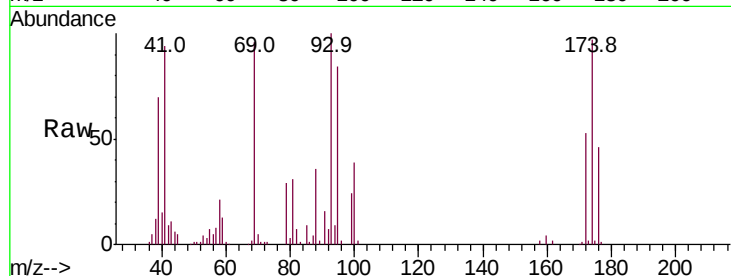
#49
1,4-Dioxane
Concen: 430.796 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.2	31.0	46.6#
58	59.6	64.5	96.7#

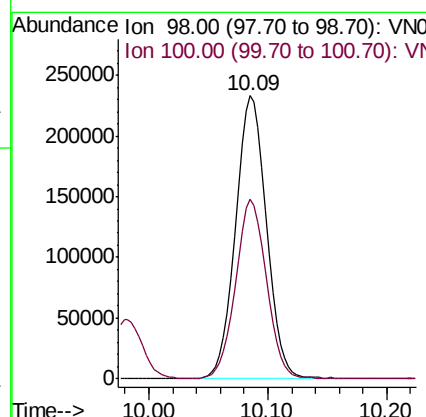
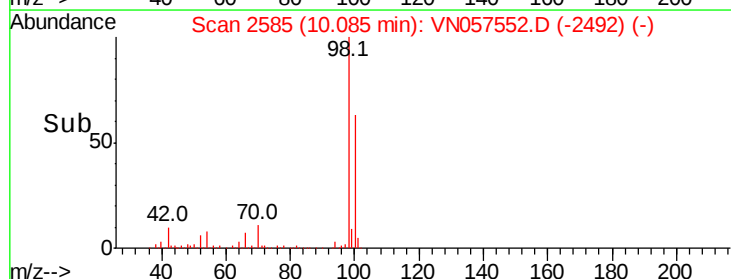
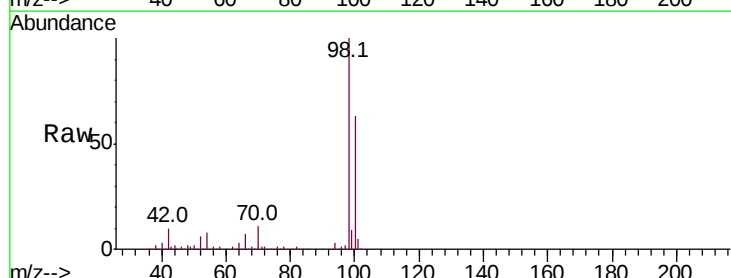
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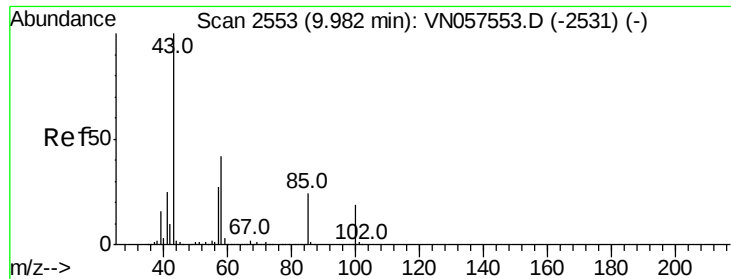
MMDadoda
9/3/2019 2:38:41 AM



#50
Toluene-d8
Concen: 23.362 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.4	75.6





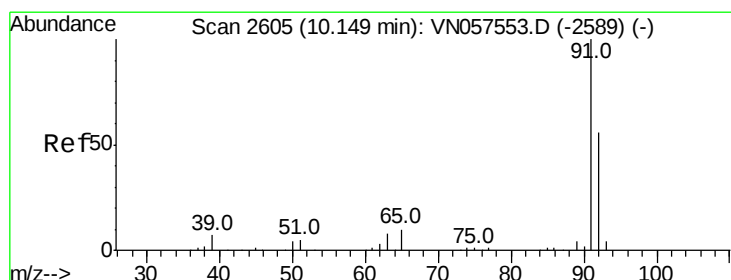
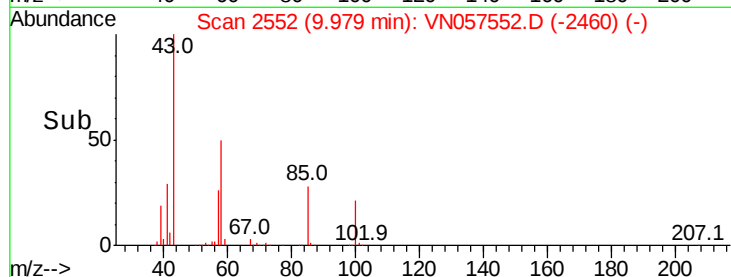
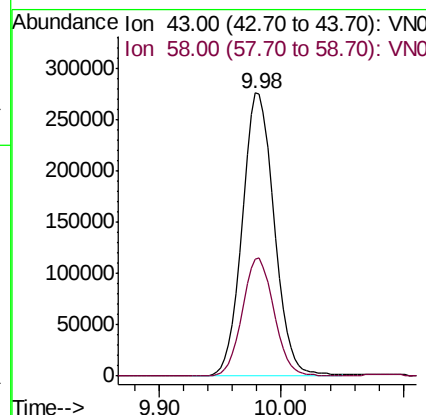
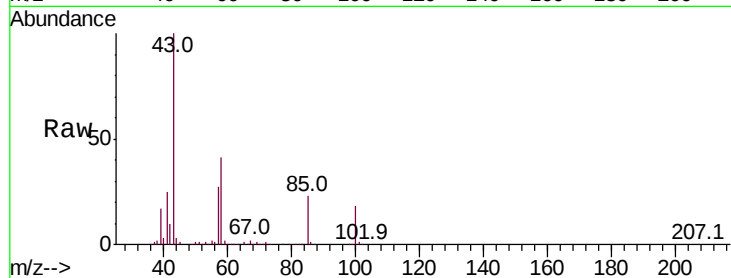
#51
4-Methyl-2-Pentanone
Concen: 76.102 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.4	27.9	41.9

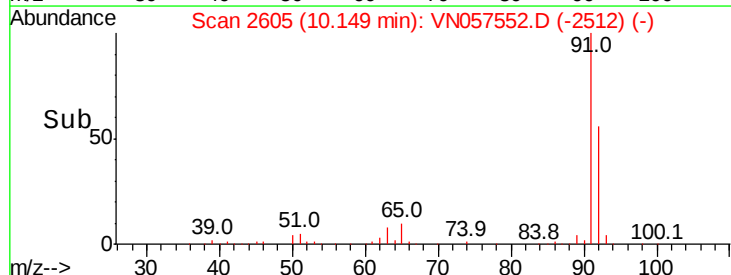
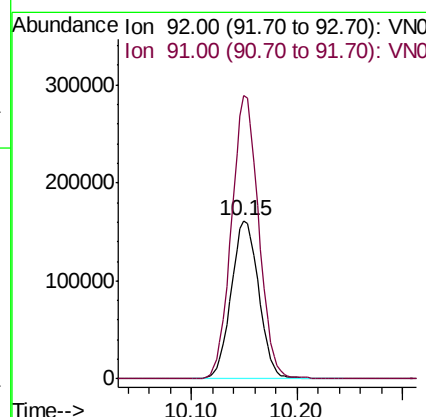
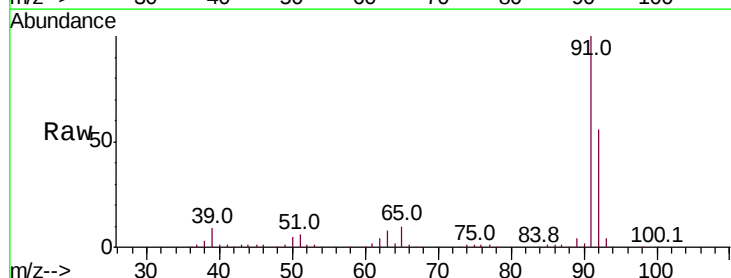
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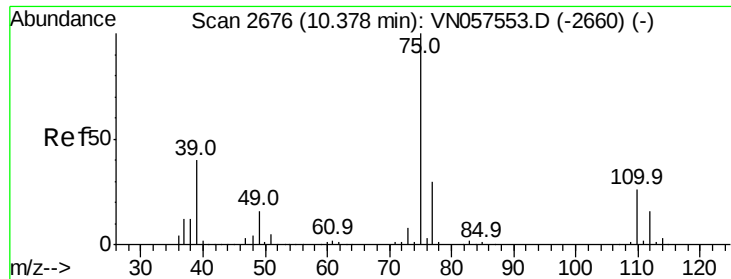
MMDadoda
9/3/2019 2:38:41 AM



#52
Toluene
Concen: 23.744 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.8	140.9	211.3





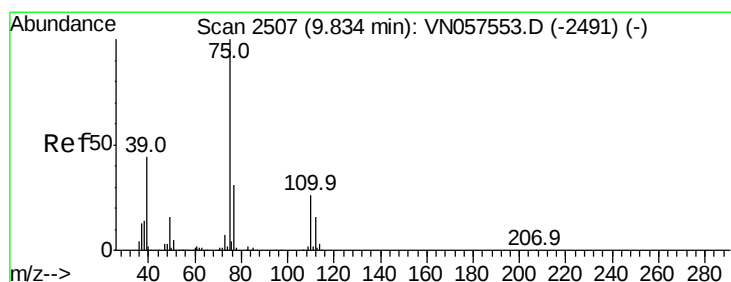
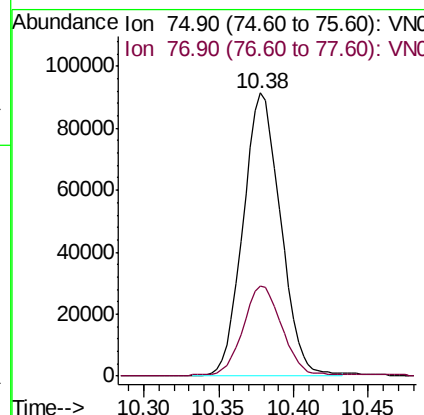
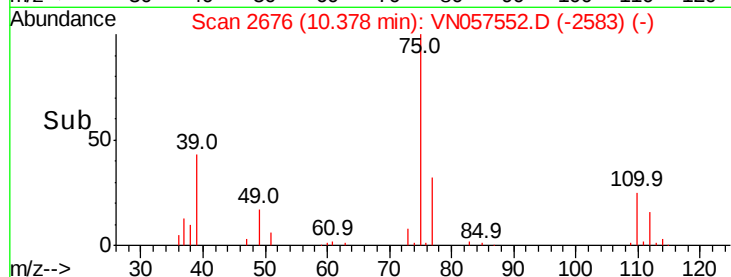
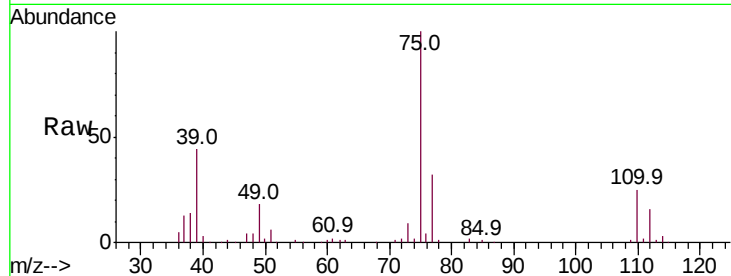
#53
t-1,3-Dichloropropene
Concen: 19.768 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 75 Resp: 159915
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6

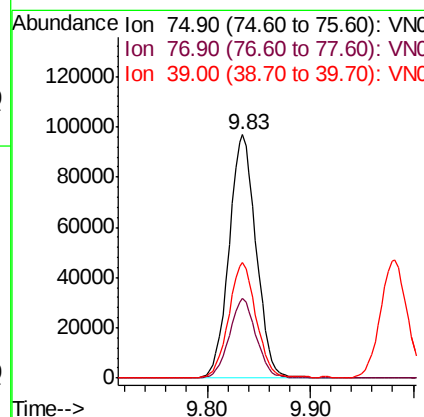
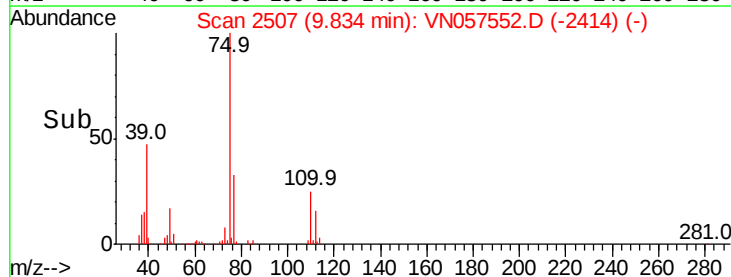
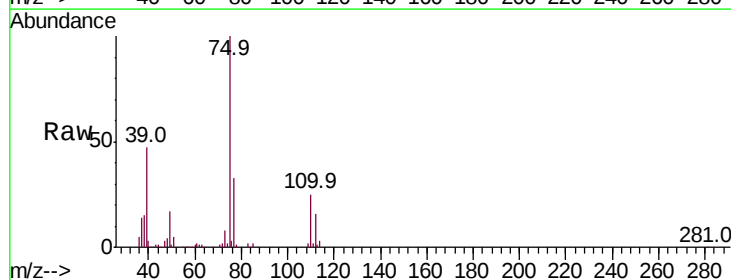
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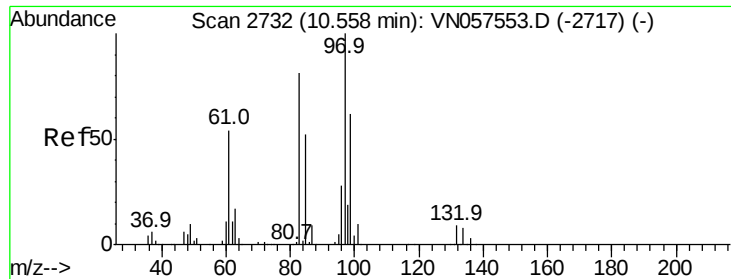
MMDadoda
9/3/2019 2:38:41 AM



#54
cis-1,3-Dichloropropene
Concen: 19.744 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion: 75 Resp: 177059
Ion Ratio Lower Upper
75 100
77 32.9 25.0 37.6
39 47.1 49.2 73.8#





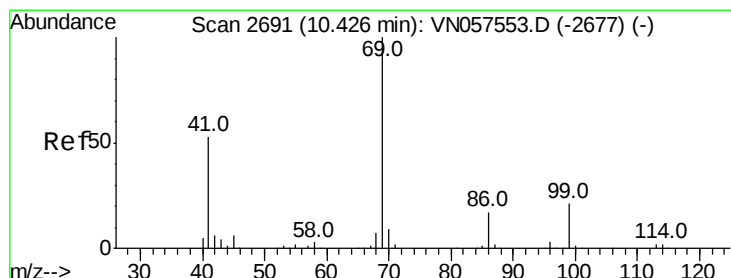
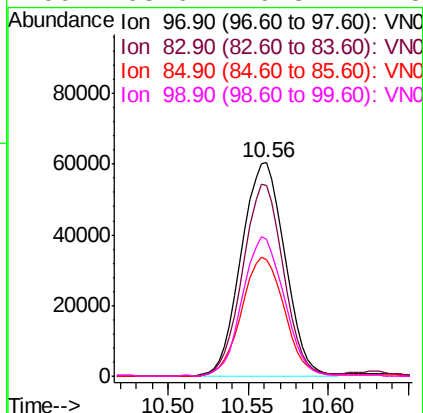
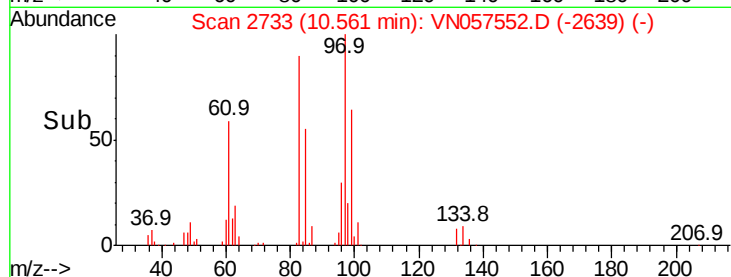
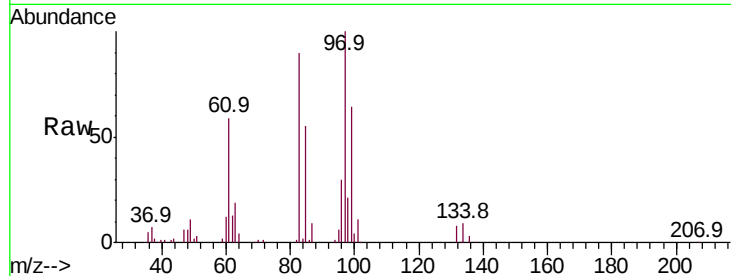
#55
 1,1,2-Trichloroethane
 Concen: 22.808 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
97	100	113030		
83	89.5	73.7	110.5	
85	54.8	46.8	70.2	
99	63.6	49.8	74.8	

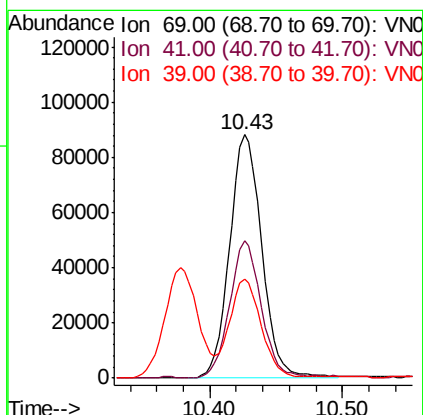
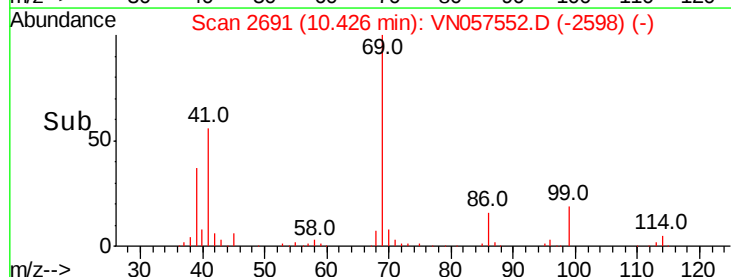
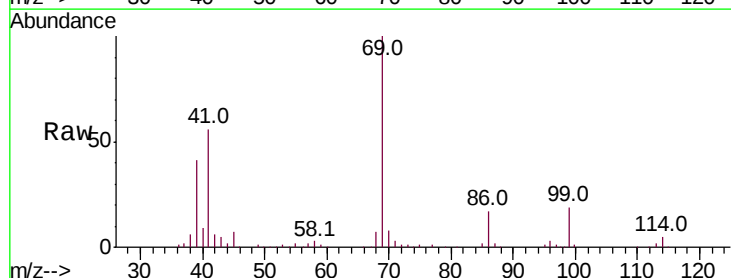
Manual Integrations
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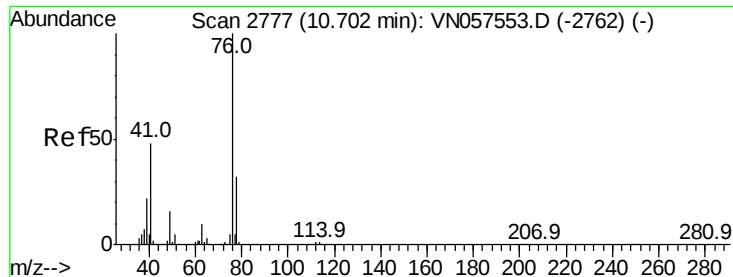
MMDadoda
 9/3/2019 2:38:41 AM



#56
 Ethyl methacrylate
 Concen: 19.875 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	149192		
41	54.3	60.8	91.2#	
39	39.0	36.5	54.7	





#57

1,3-Dichloropropane

Concen: 20.994 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 176662

Ion Ratio Lower Upper

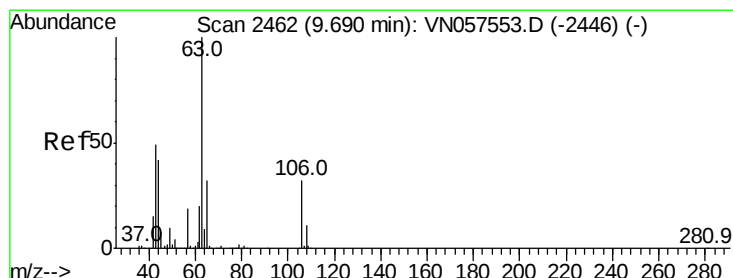
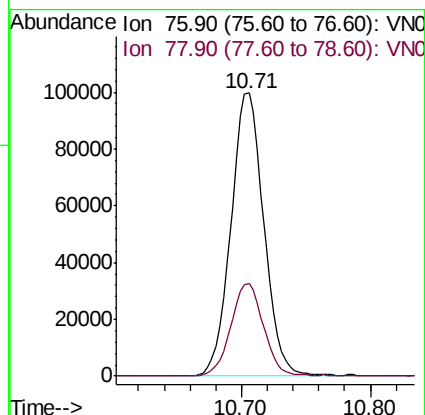
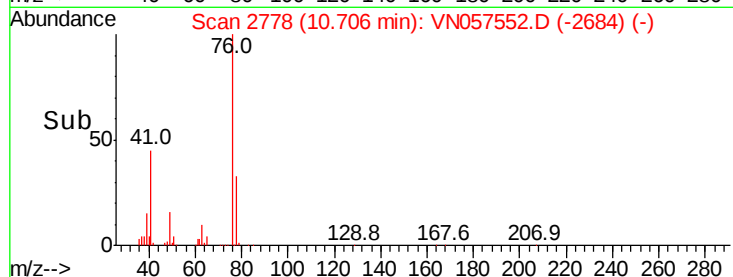
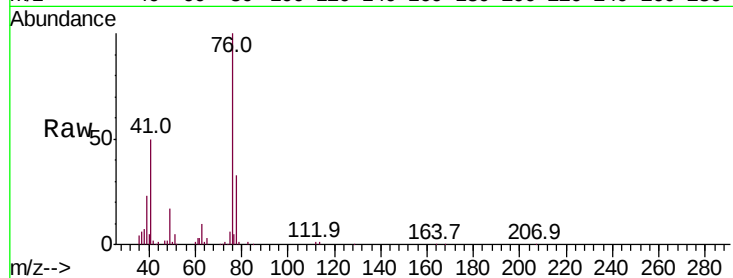
76 100

78 32.6 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 90.367 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057552.D

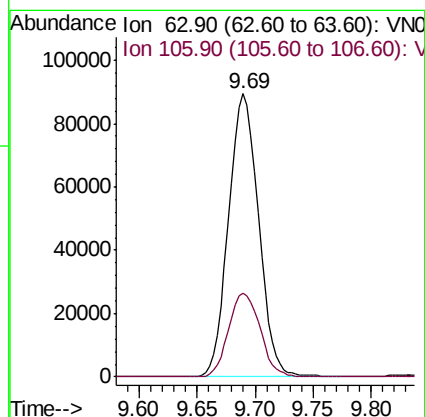
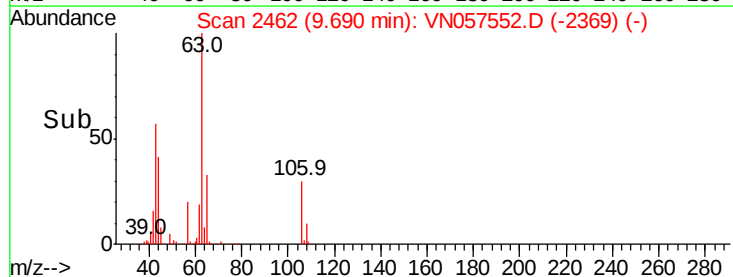
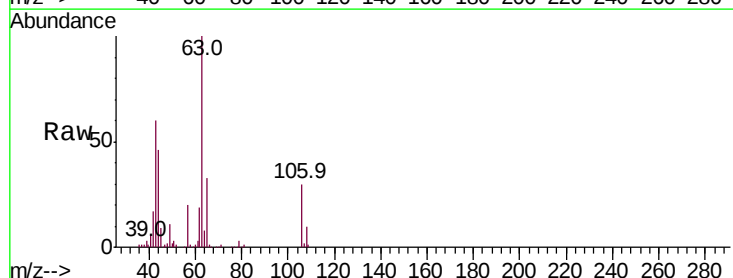
Acq: 29 Aug 2019 16:14

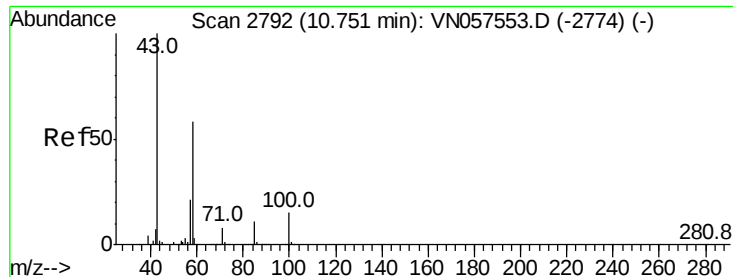
Tgt Ion: 63 Resp: 160387

Ion Ratio Lower Upper

63 100

106 31.1 18.6 27.8#





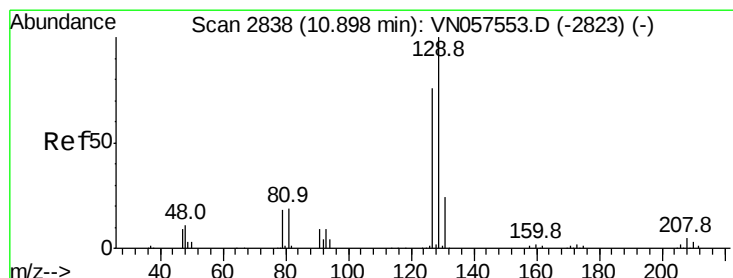
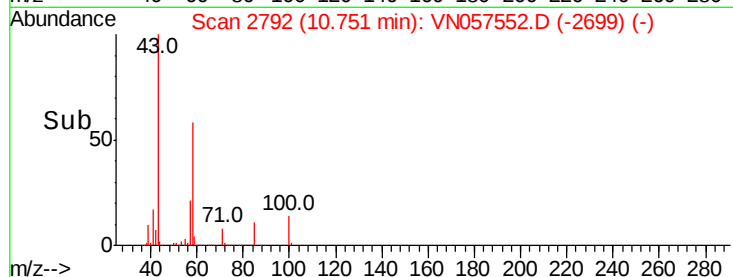
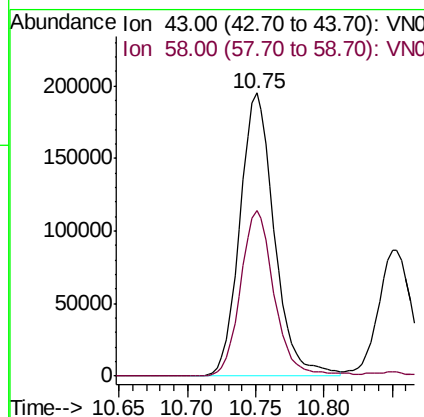
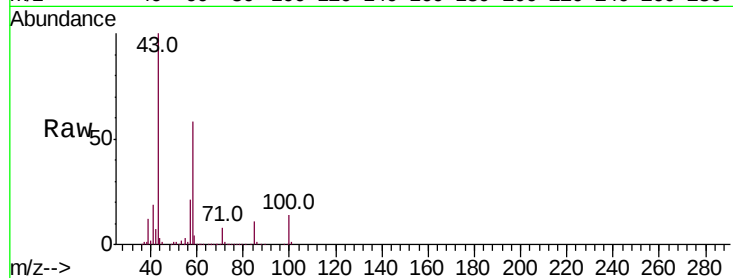
#59
2-Hexanone
Concen: 75.448 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 339465
Ion Ratio Lower Upper
43 100
58 57.7 24.6 73.6

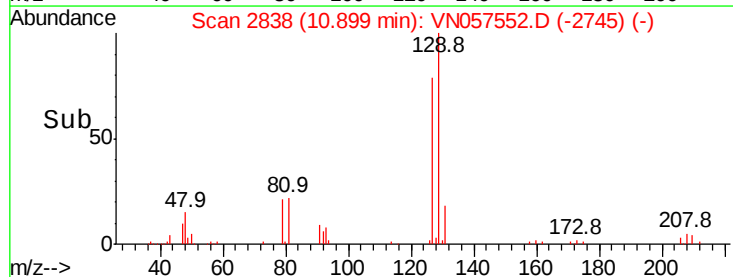
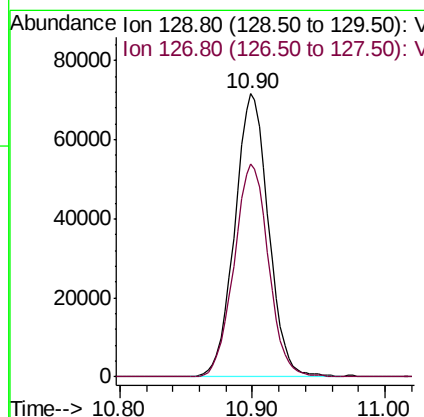
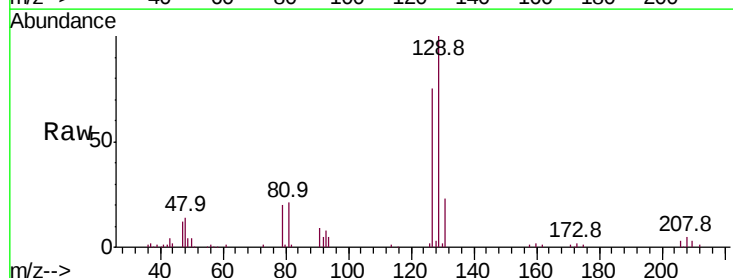
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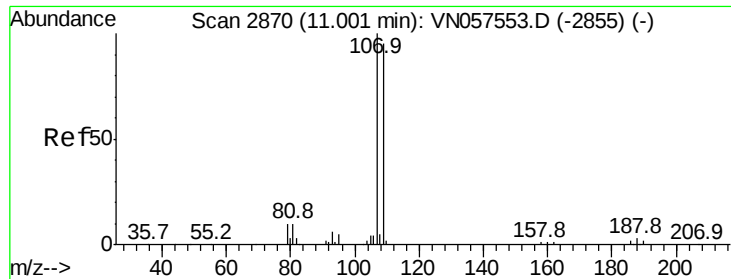
MMDadoda
9/3/2019 2:38:41 AM



#60
Dibromochloromethane
Concen: 23.637 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion: 129 Resp: 126555
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9





#61

1,2-Dibromoethane

Concen: 23.853 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 117105

Ion Ratio Lower Upper

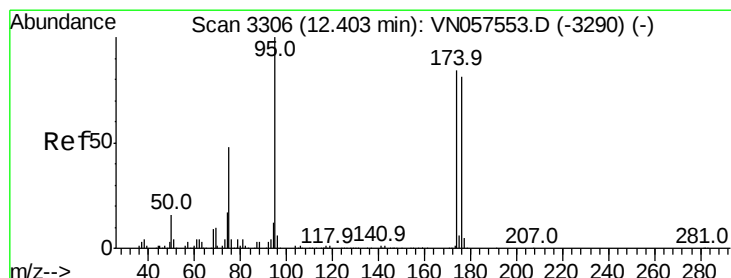
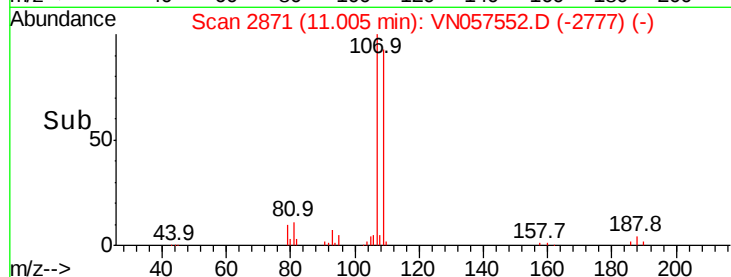
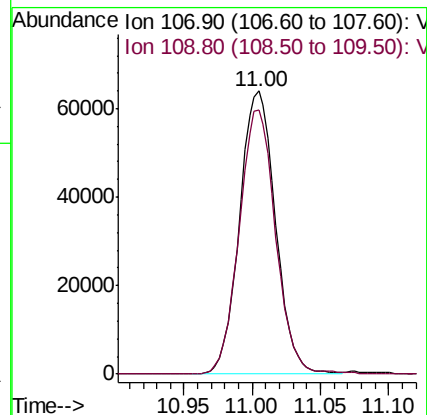
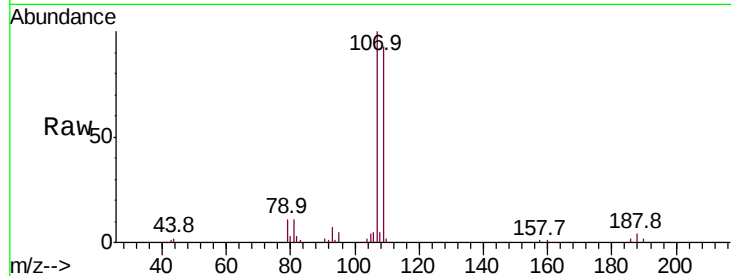
107 100

109 94.8 73.8 110.8

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 21.479 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

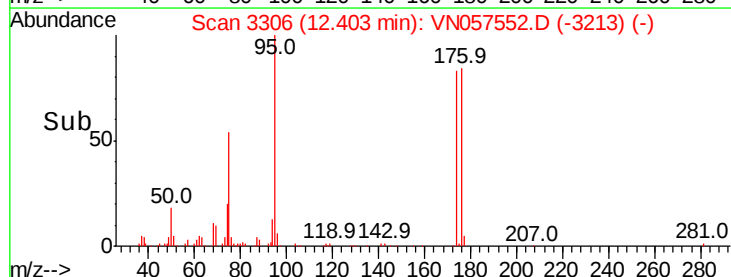
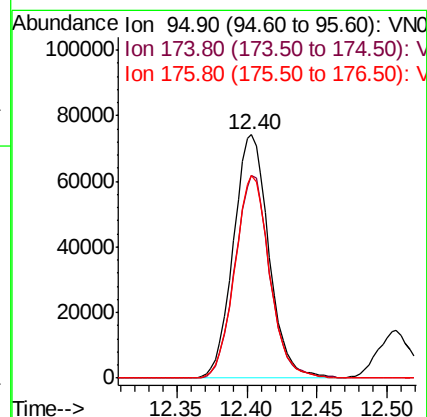
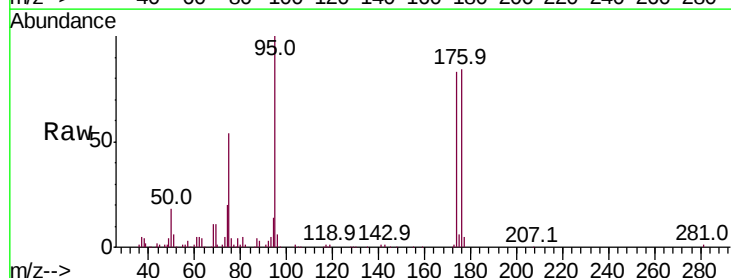
Tgt Ion: 95 Resp: 131051

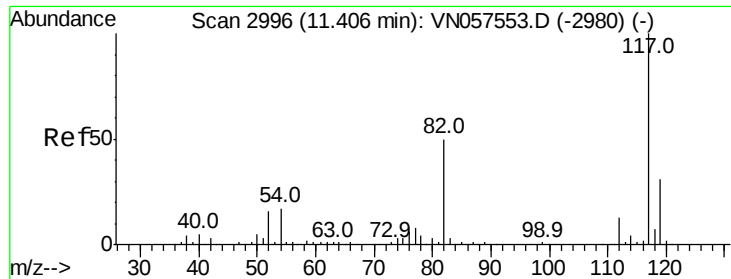
Ion Ratio Lower Upper

95 100

174 81.5 0.0 133.0

176 81.6 0.0 130.8





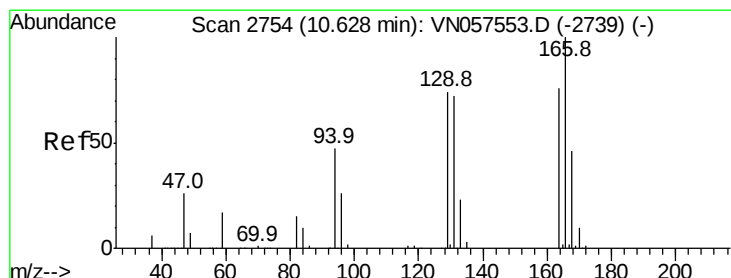
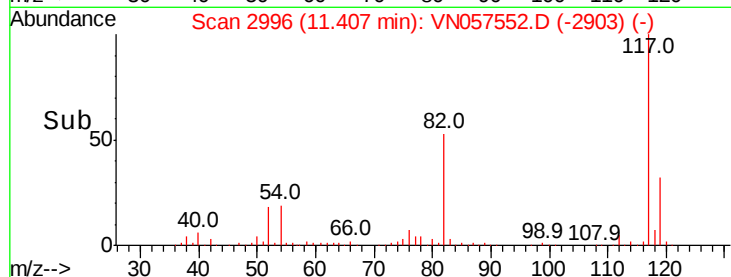
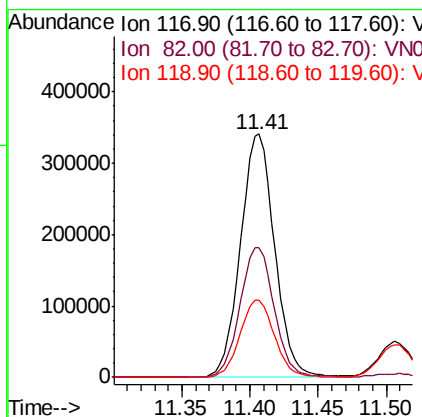
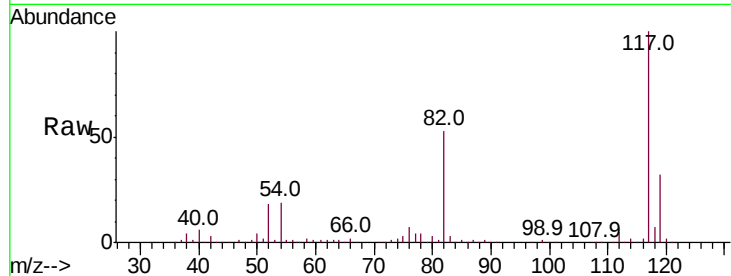
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	50.6	75.8
119	31.7	24.6	36.8

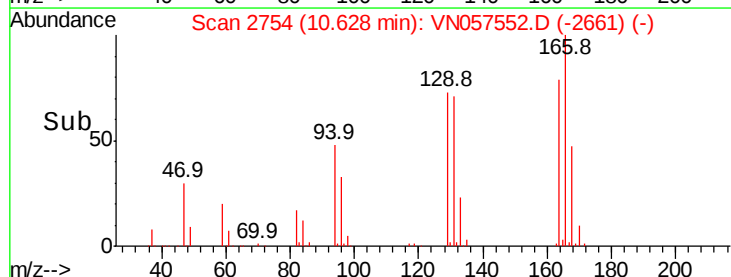
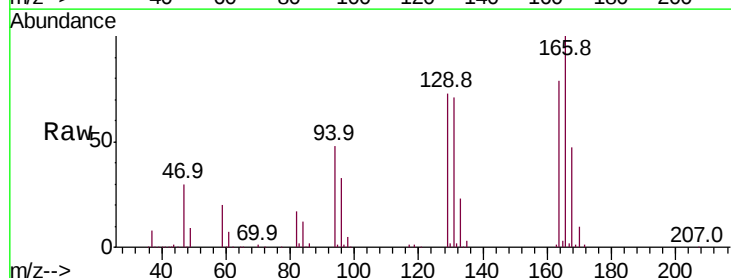
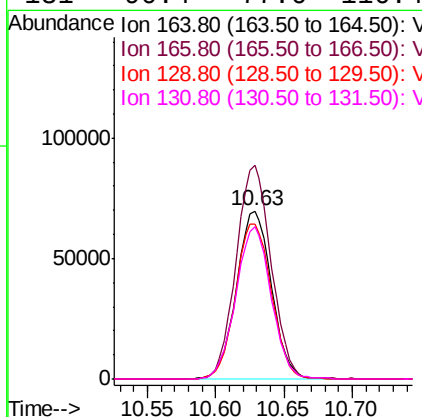
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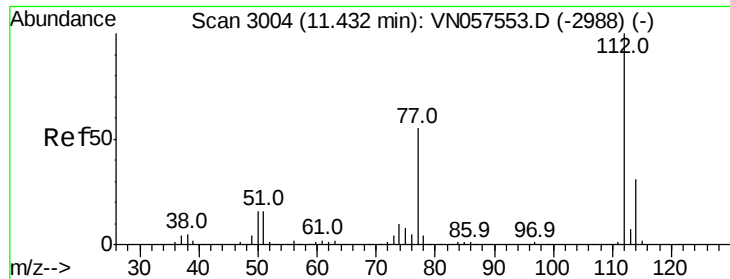
MMDadoda
9/3/2019 2:38:41 AM



#64
Tetrachloroethene
Concen: 27.936 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	104.4	156.6
129	92.5	86.6	130.0
131	90.4	77.6	116.4





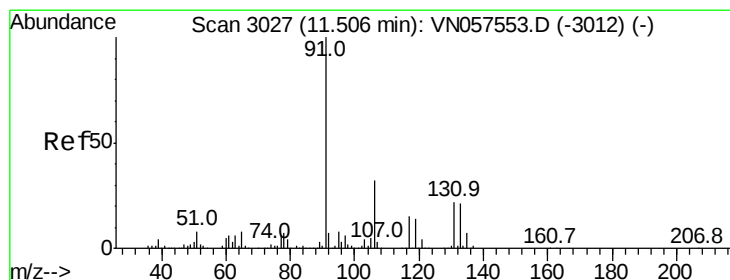
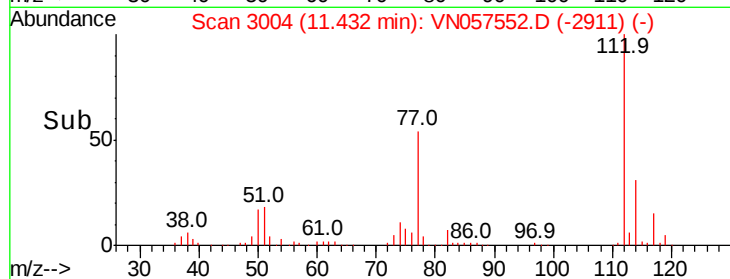
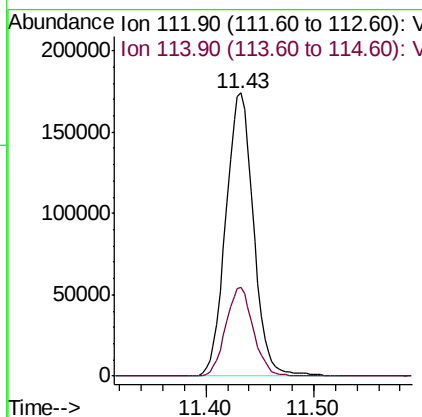
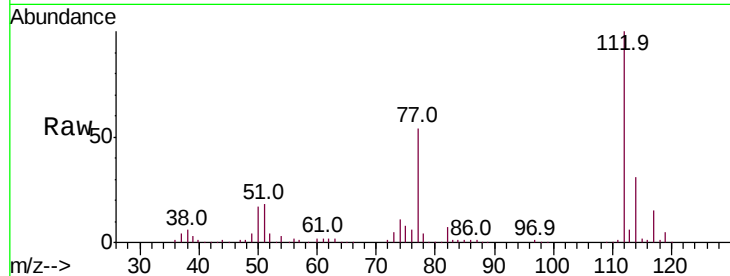
#65
Chlorobenzene
Concen: 24.669 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 312080
Ion Ratio Lower Upper
112 100
114 31.2 24.8 37.2

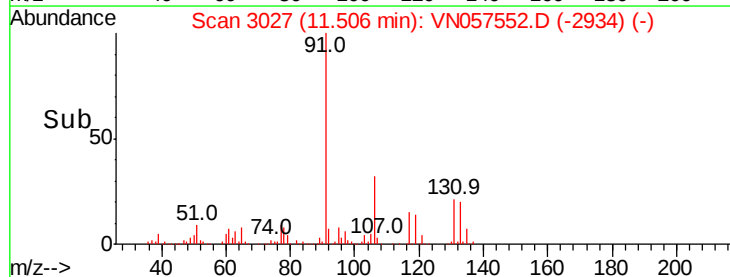
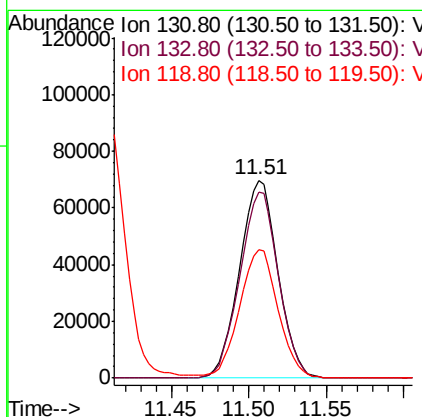
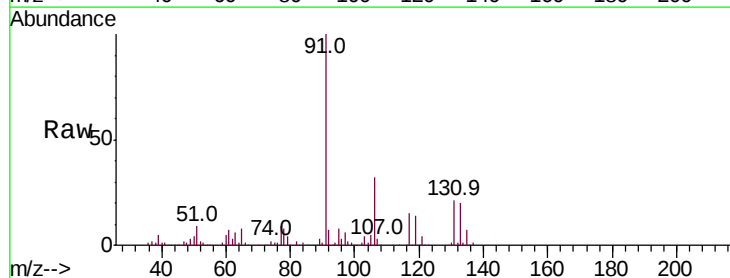
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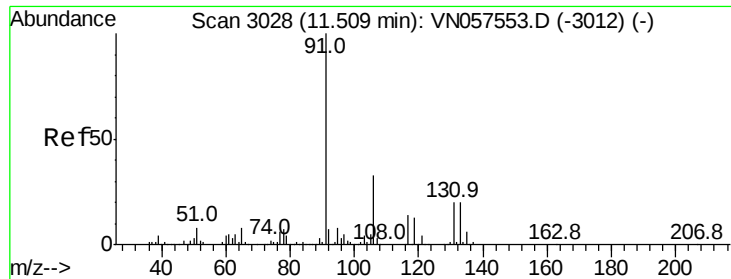
MMDadoda
9/3/2019 2:38:41 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 24.688 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion:131 Resp: 120434
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.8
119 64.9 34.4 103.2





#67

Ethyl Benzene

Concen: 23.565 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 566461

Ion Ratio Lower Upper

91 100

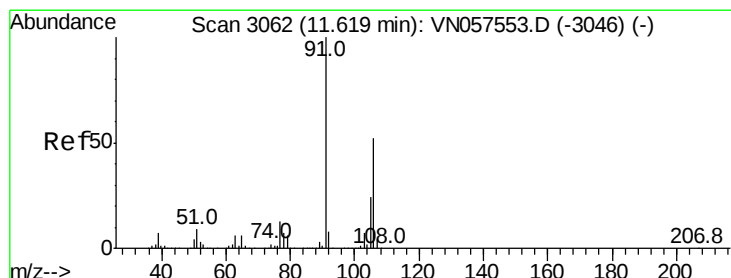
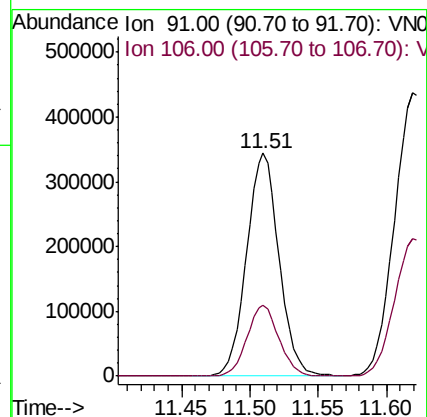
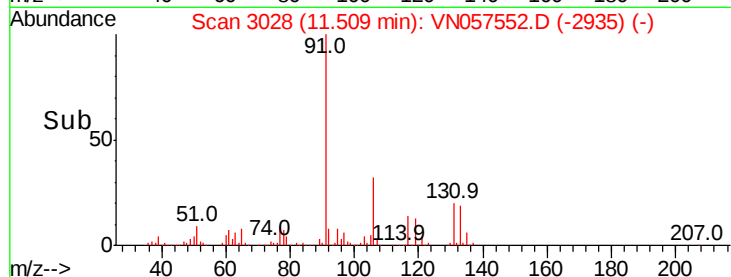
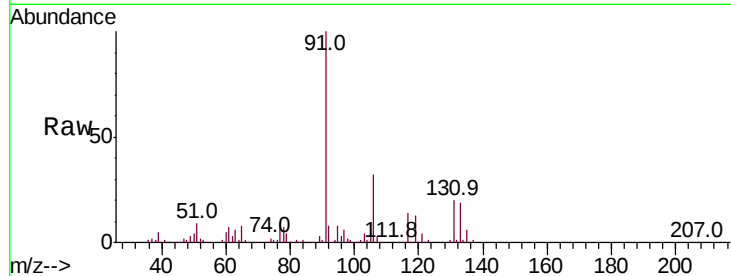
106 31.9 24.1 36.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 50.216 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057552.D

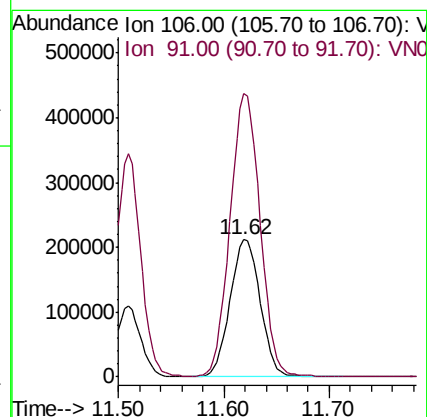
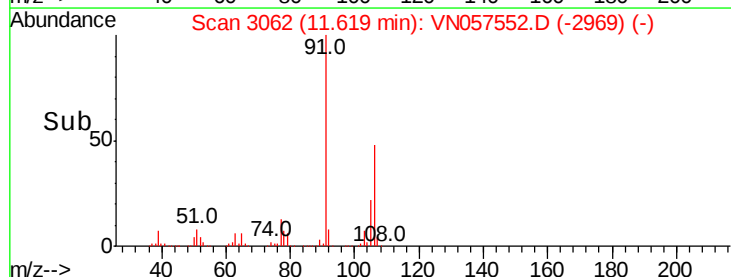
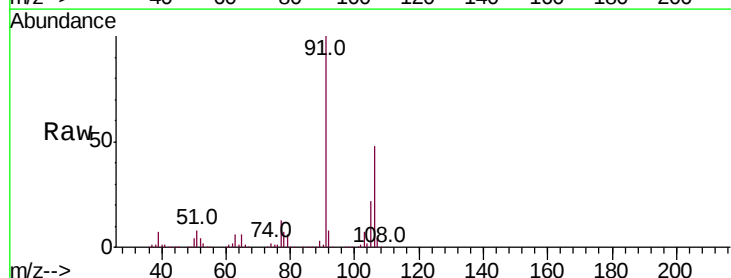
Acq: 29 Aug 2019 16:14

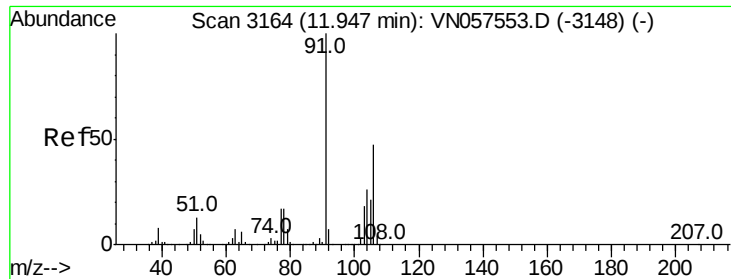
Tgt Ion: 106 Resp: 419458

Ion Ratio Lower Upper

106 100

91 205.5 171.8 257.6





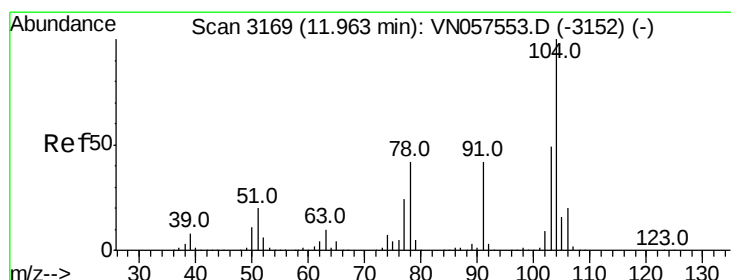
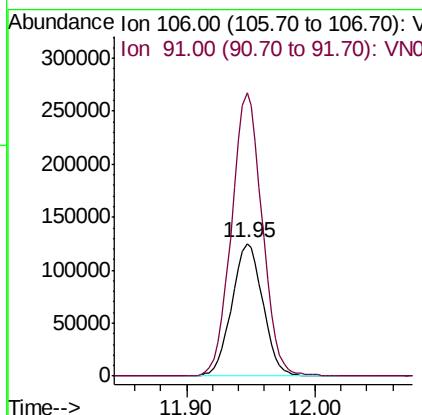
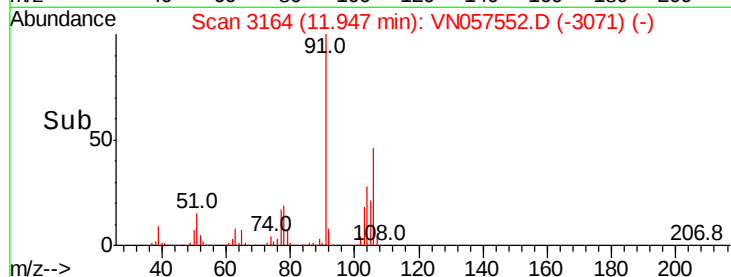
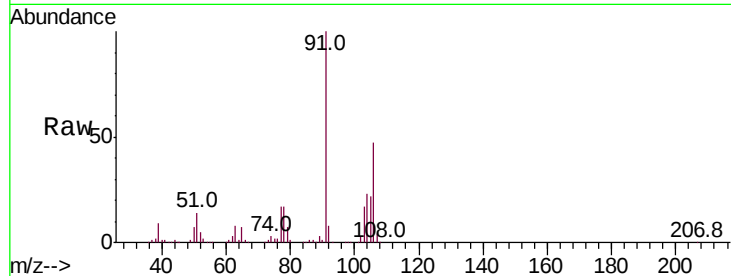
#69
o-Xylene
Concen: 25.476 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.5	112.3	336.9

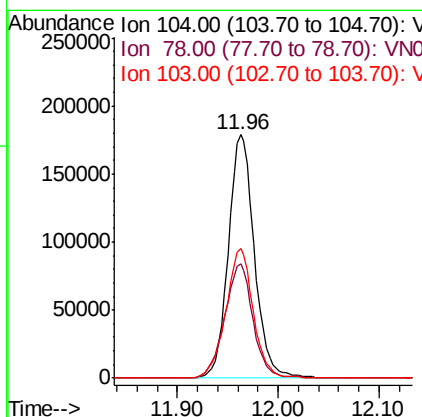
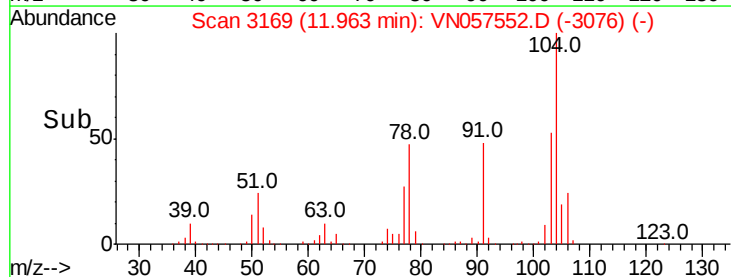
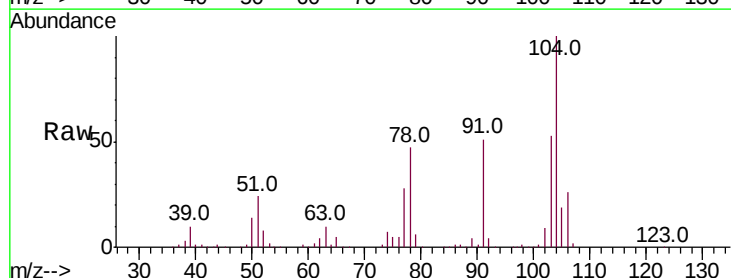
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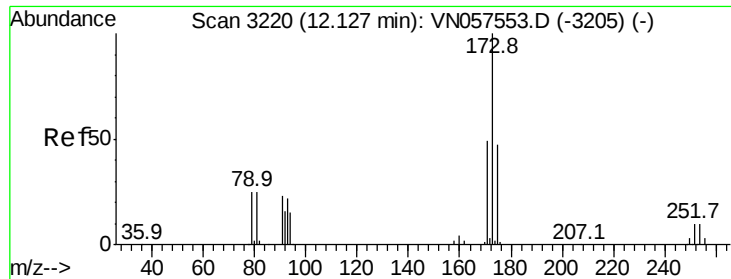
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#70
Styrene
Concen: 24.603 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.2	44.7	67.1
103	56.3	44.4	66.6





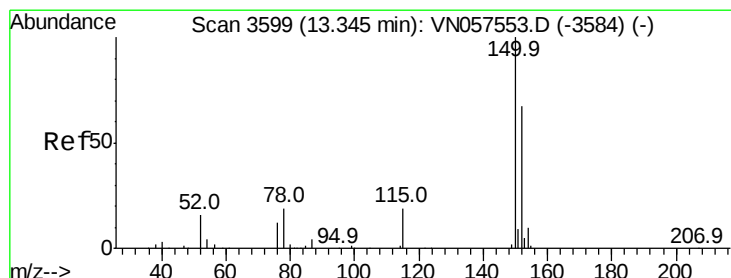
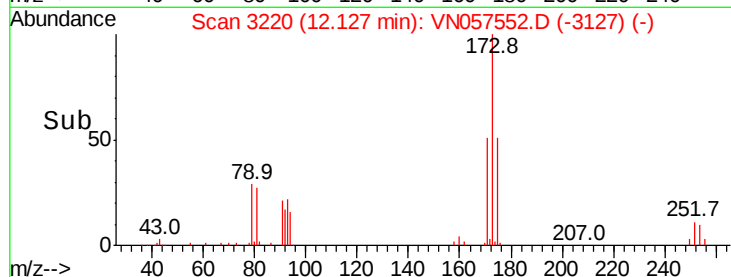
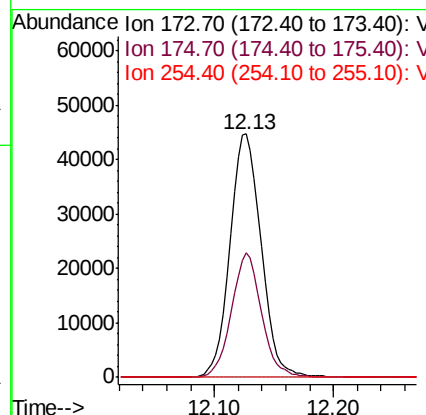
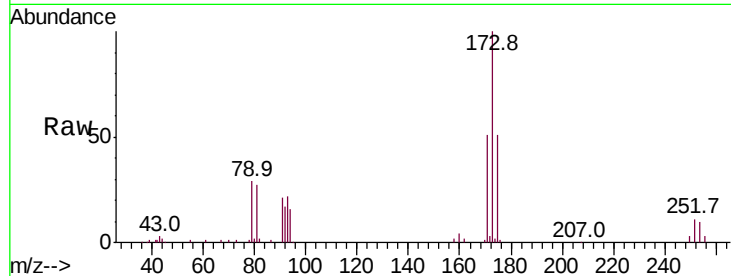
#71
Bromoform
Concen: 24.488 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.9	71.8
254	0.0	0.1	0.1#

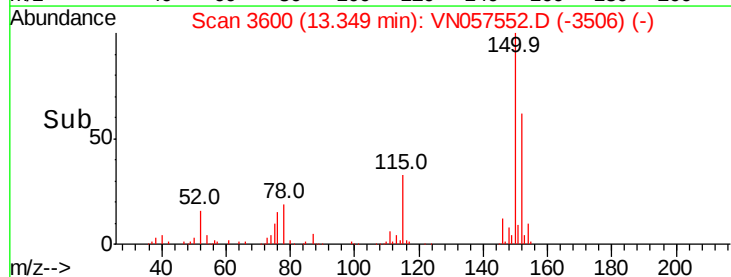
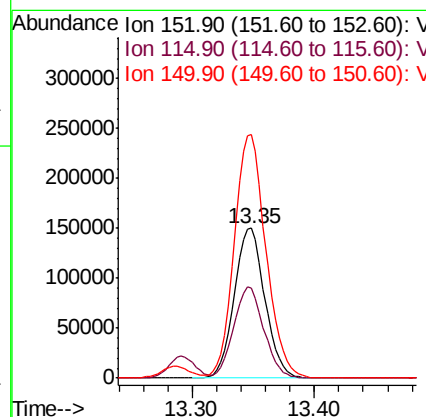
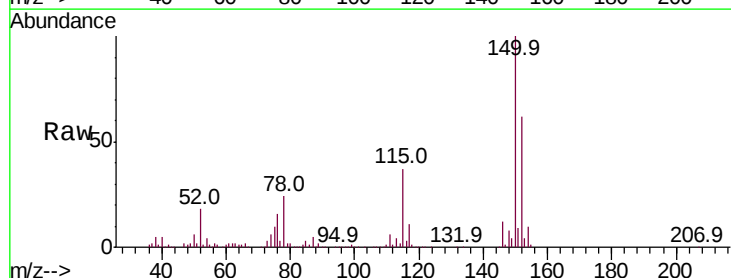
Manual Integrations
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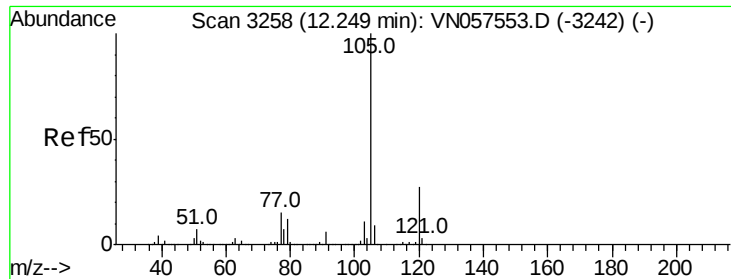
MMDadoda
9/3/2019 2:38:41 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	32.0	96.0
150	168.4	0.0	346.6





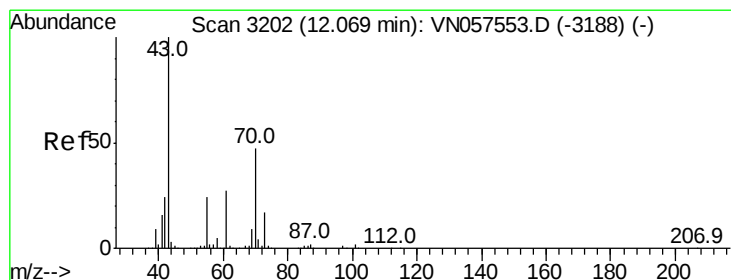
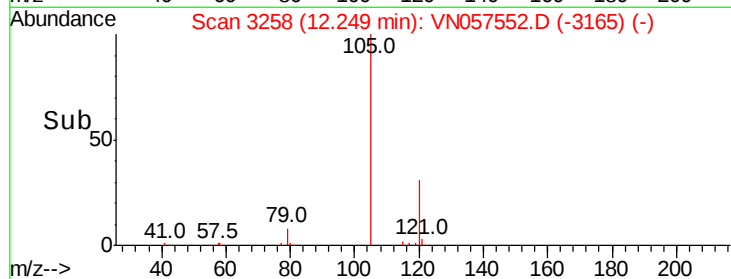
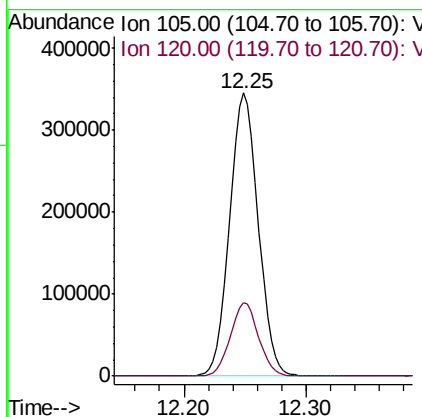
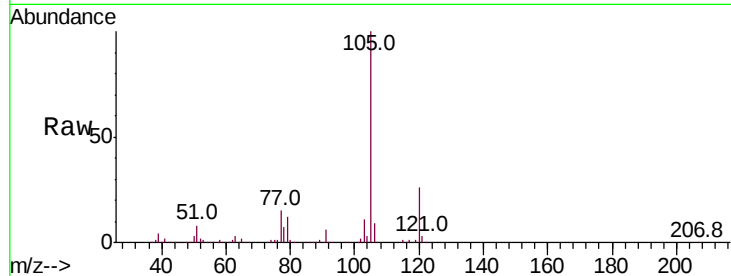
#73
Isopropylbenzene
Concen: 19.296 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.7	38.0

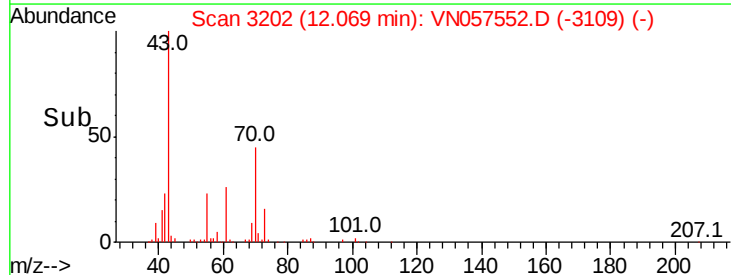
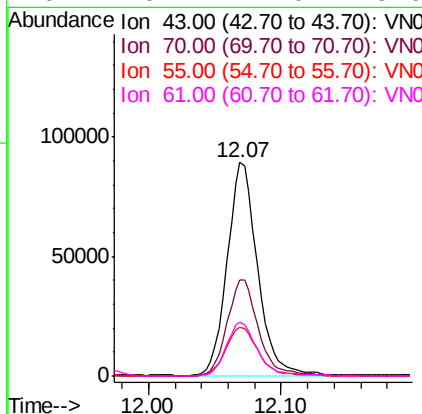
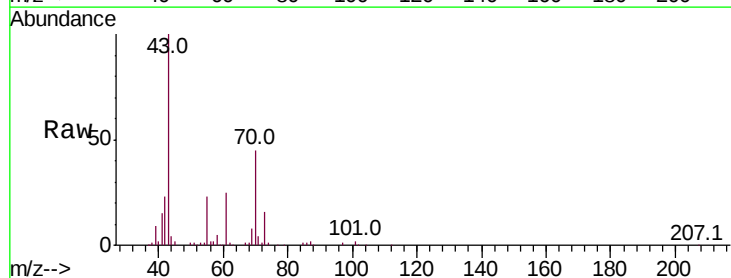
Manual Integrations
APPROVED

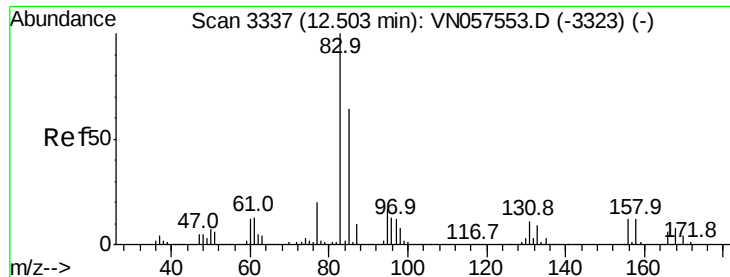
MMDadoda
9/3/2019 2:38:41 AM



#74
N-ethyl acetate
Concen: 11.335 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.7	27.8	41.6#
55	24.8	17.0	25.4
61	26.1	17.0	25.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 16.585 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

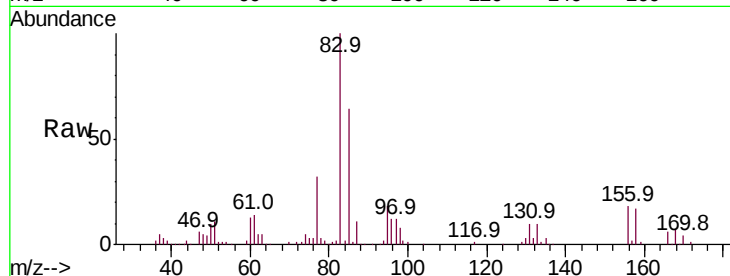
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	139039
Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.3	13.1
85	63.2	32.3	96.8

Manual Integrations
APPROVED

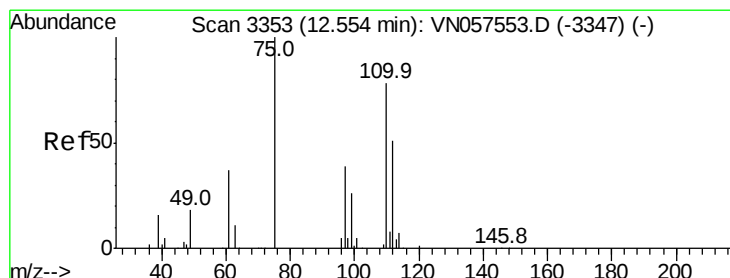
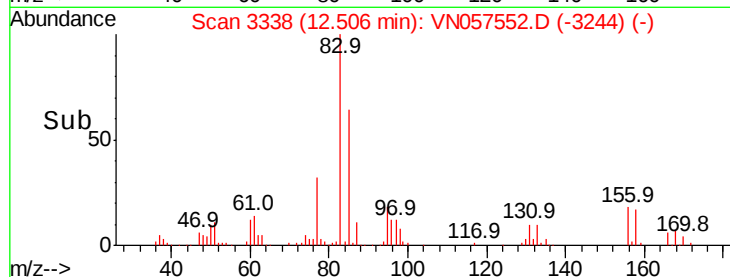
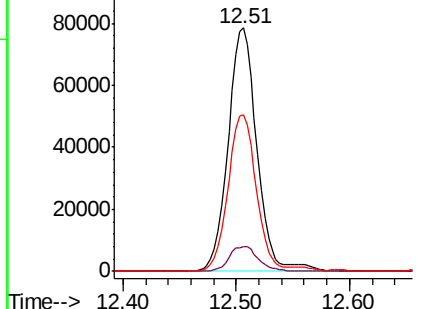
MMDadoda
9/3/2019 2:38:41 AM



Abundance Ion 82.90 (82.60 to 83.60): VN057553.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN057553.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN057553.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 17.933 ug/l m

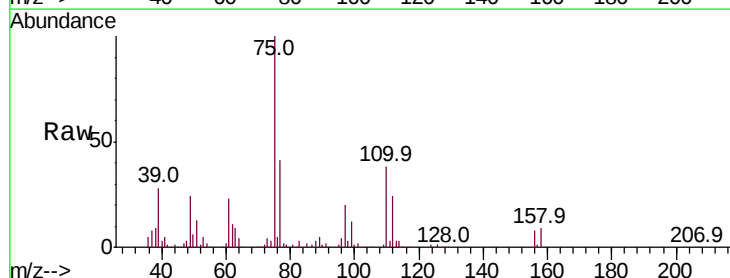
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057552.D

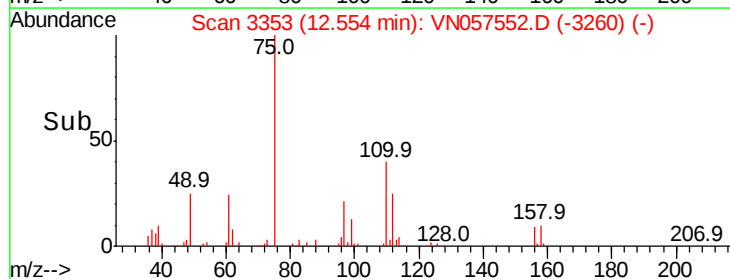
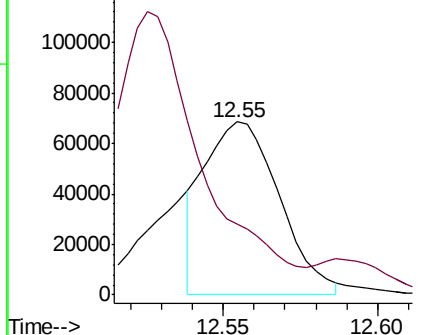
Acq: 29 Aug 2019 16:14

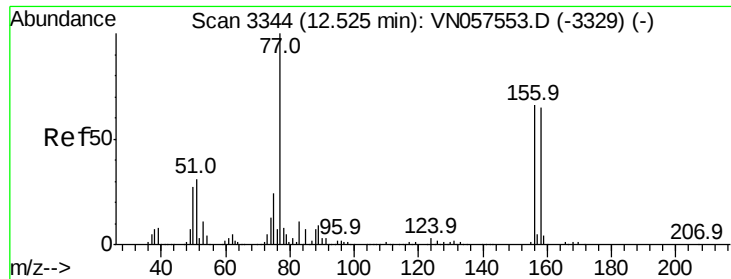
Tgt Ion:	75	Resp:	116232
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057553.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN057553.D (-3347) (-)





#77

Bromobenzene

Concen: 21.155 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

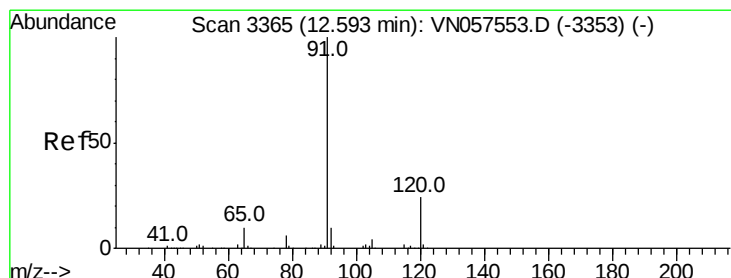
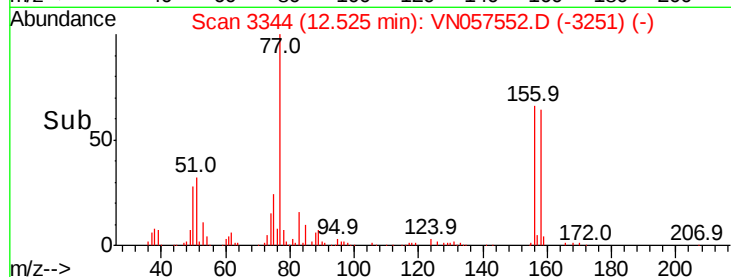
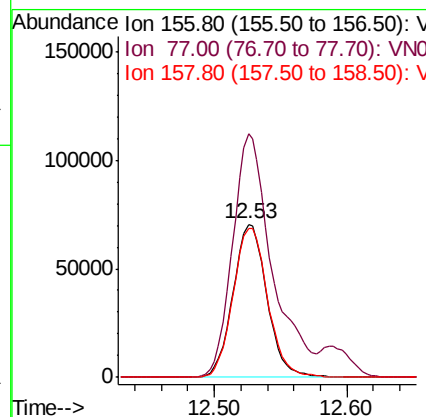
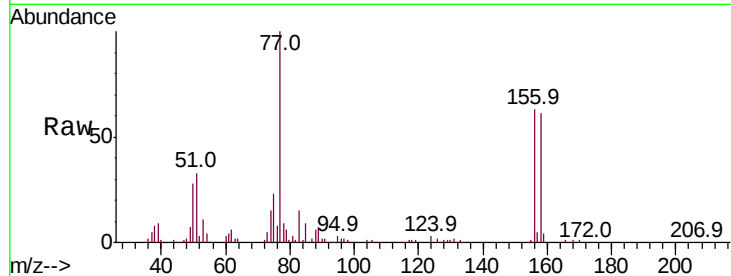
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	125594
Ion Ratio	Lower	Upper	
156	100		
77	185.7	124.4	373.3
158	99.4	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 18.427 ug/l

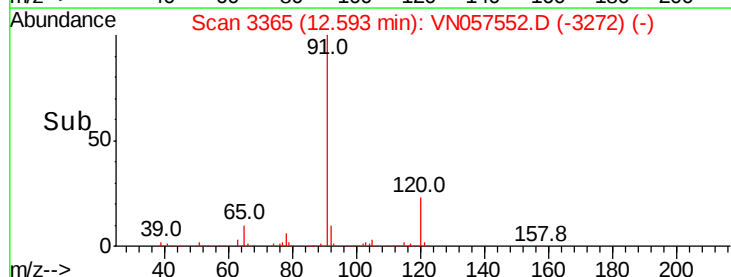
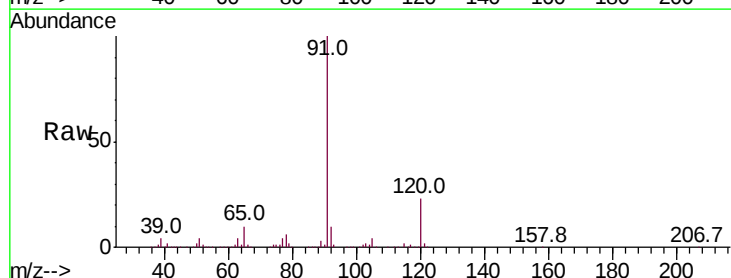
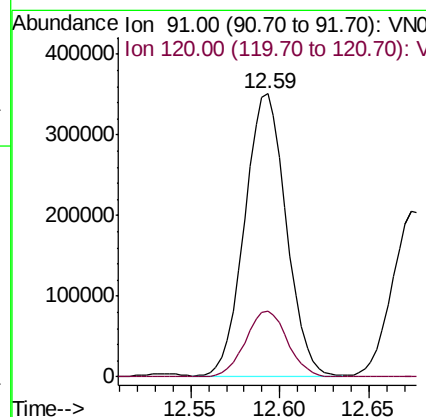
RT: 12.59 min Scan# 3365

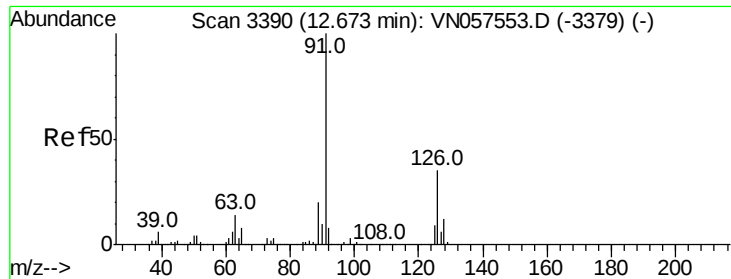
Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Tgt Ion:	91	Resp:	567102
Ion Ratio	Lower	Upper	
91	100		
120	23.7	10.7	32.1





#79

2-Chlorotoluene

Concen: 18.942 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 347385

Ion Ratio Lower Upper

91 100

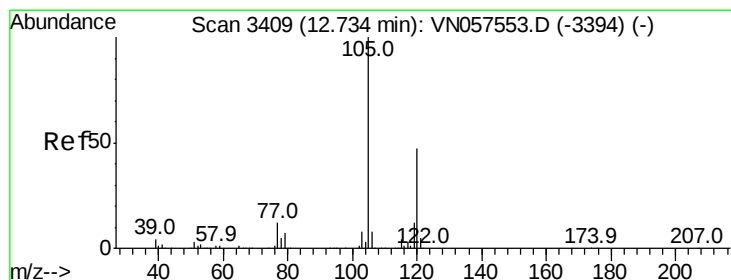
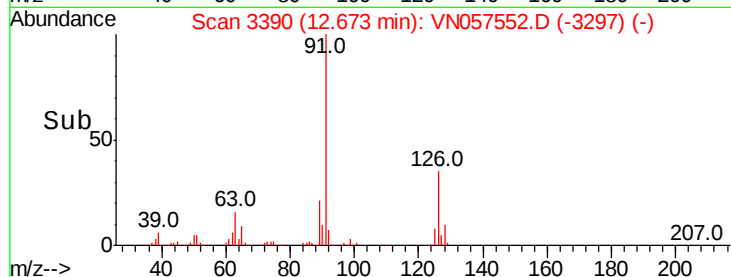
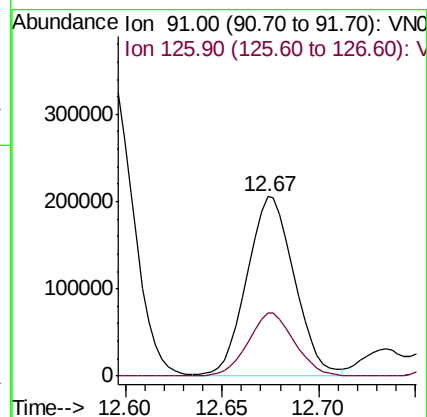
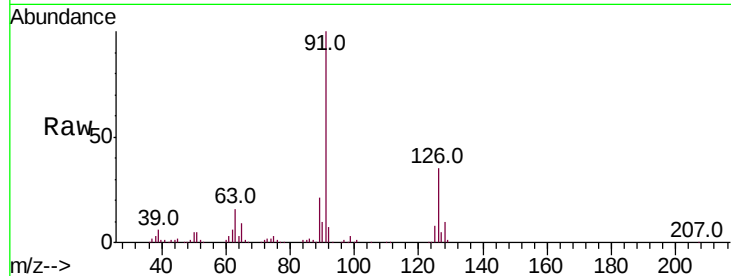
126 35.0 15.3 45.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.829 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057552.D

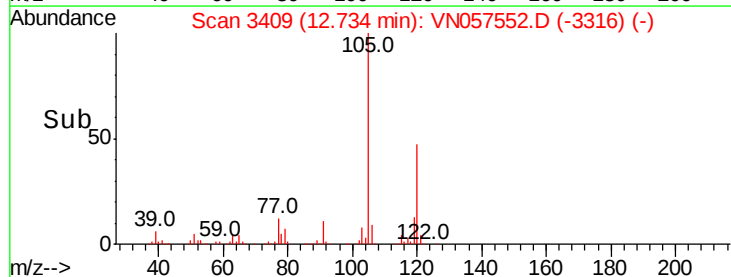
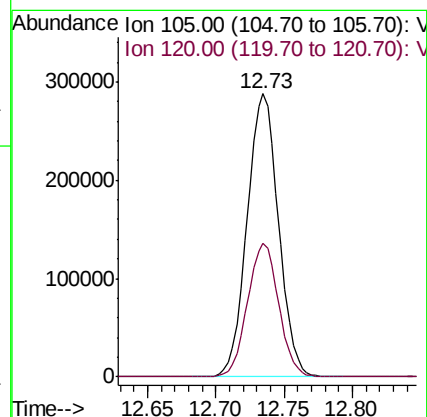
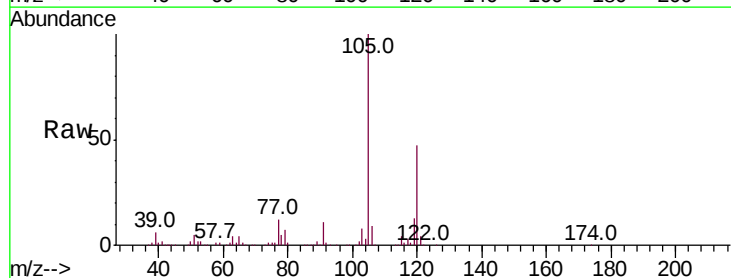
Acq: 29 Aug 2019 16:14

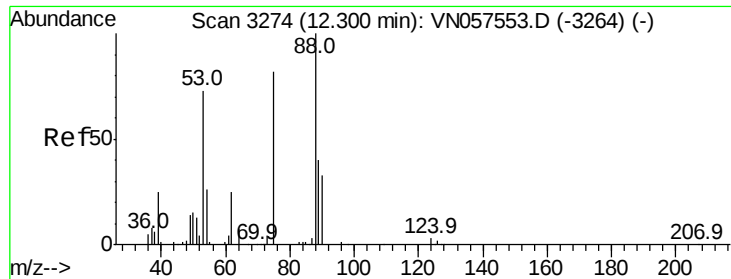
Tgt Ion: 105 Resp: 459054

Ion Ratio Lower Upper

105 100

120 47.0 23.3 69.8





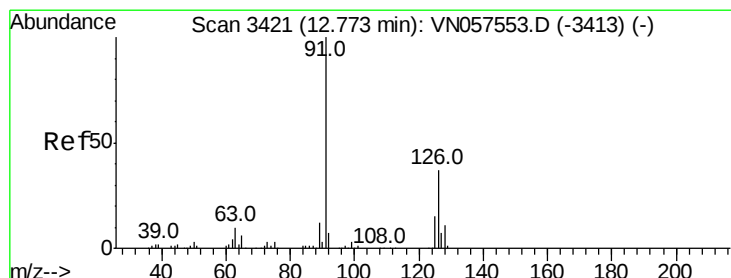
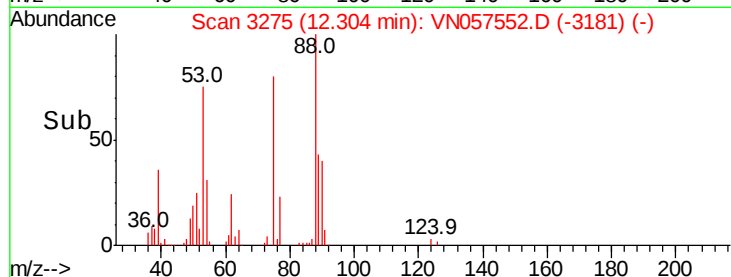
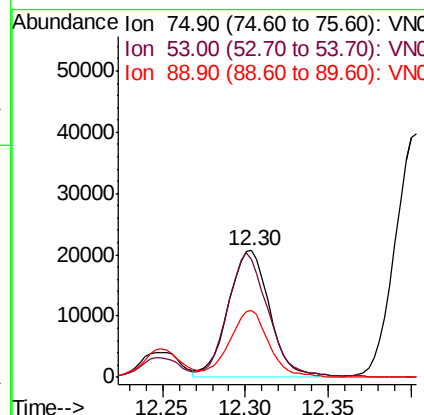
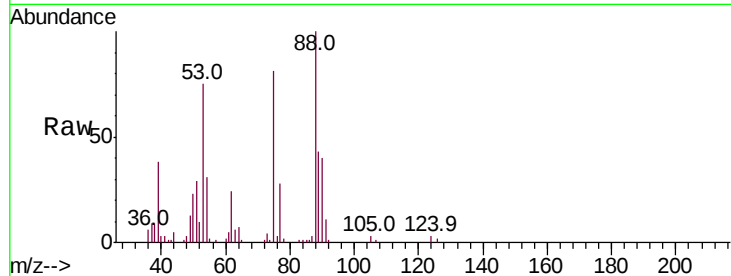
#81
trans-1,4-Dichloro-2-butene
Concen: 14.312 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.7	82.7	124.1
89	51.5	35.8	53.8

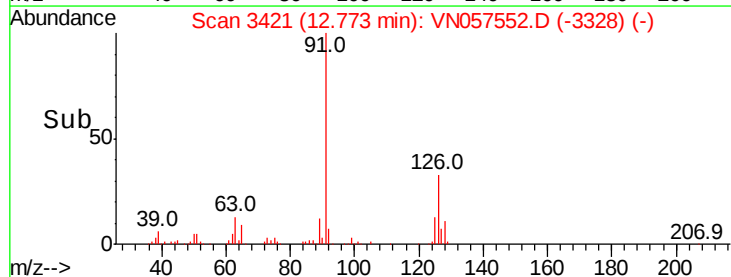
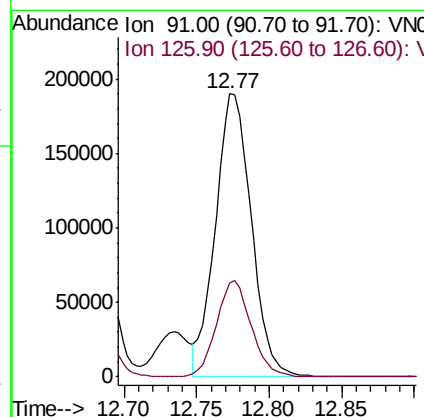
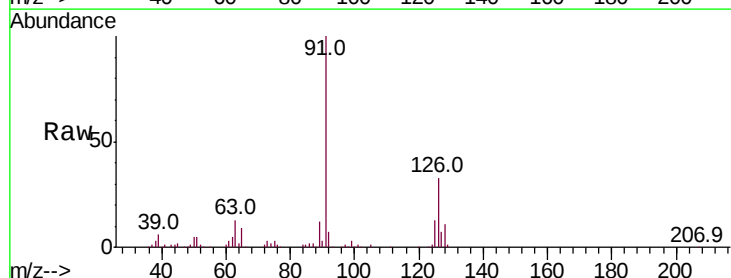
Manual Integrations
APPROVED

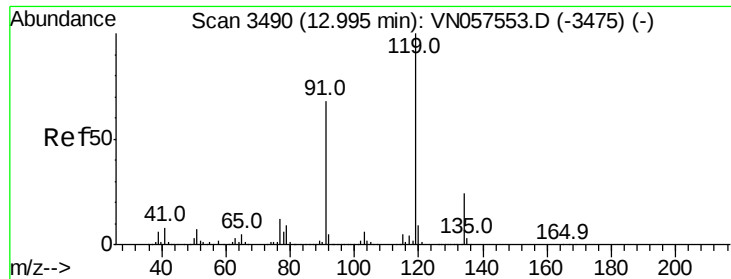
MMDadoda
9/3/2019 2:38:41 AM



#82
4-Chlorotoluene
Concen: 18.697 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	15.0	45.0





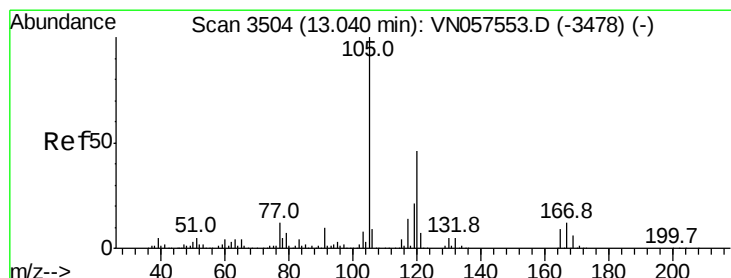
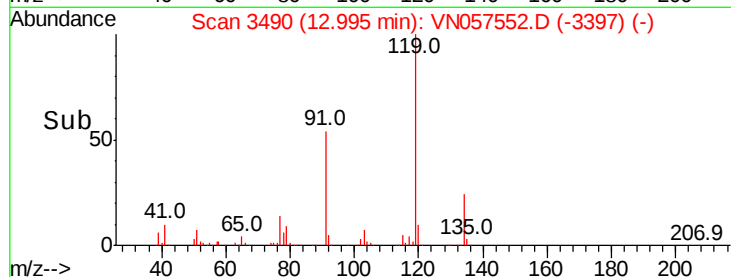
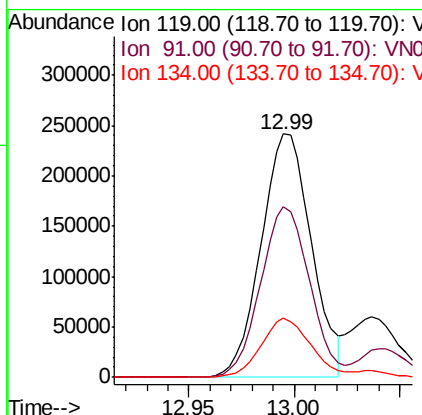
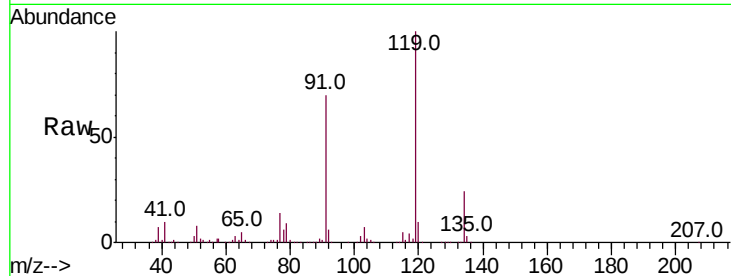
#83
tert-Butylbenzene
Concen: 19.421 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	37.0	111.0
134	24.0	12.2	36.6

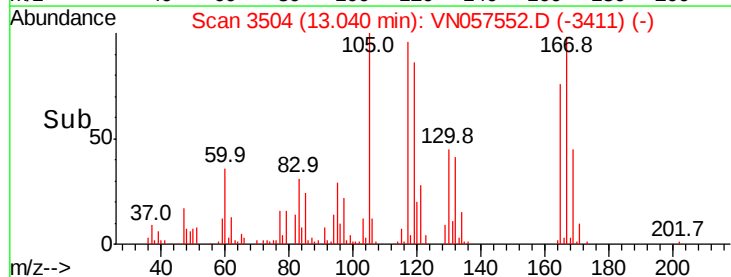
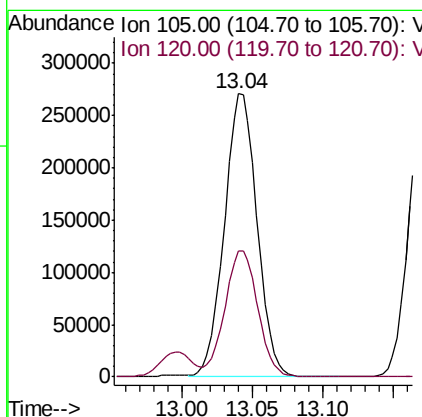
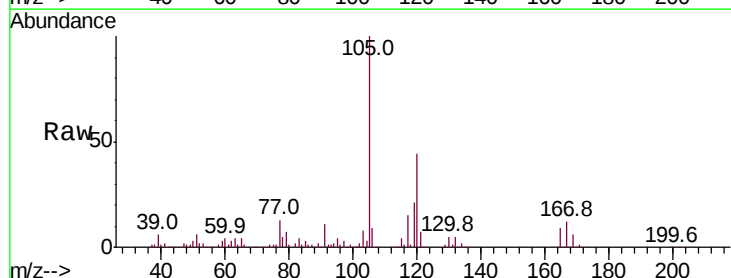
Manual Integrations
APPROVED

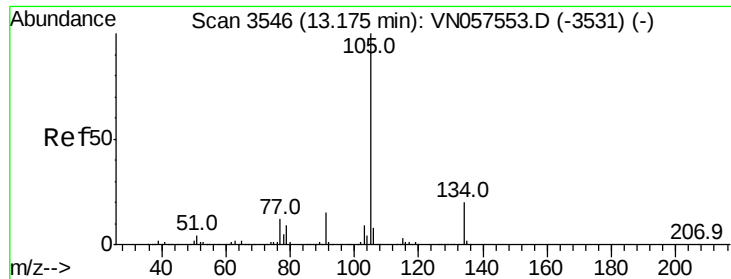
MMDadoda
9/3/2019 2:38:41 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.308 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	21.9	65.7





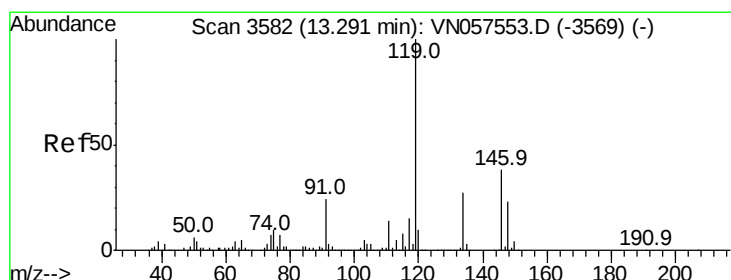
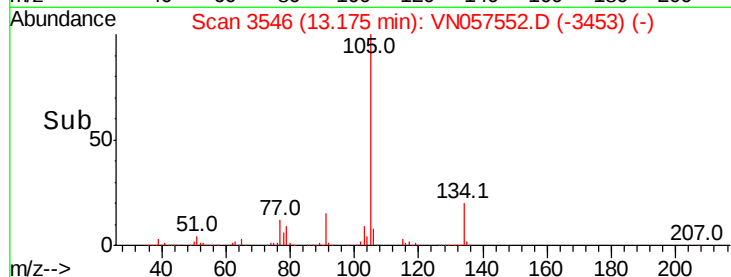
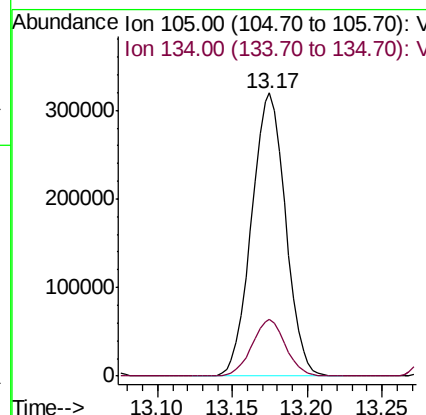
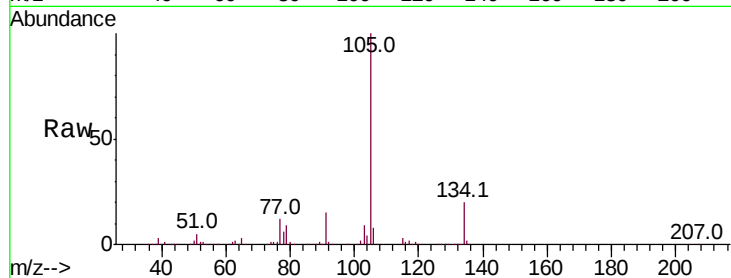
#85
 sec-Butylbenzene
 Concen: 20.016 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	504629		
134	19.7	9.3	27.9	

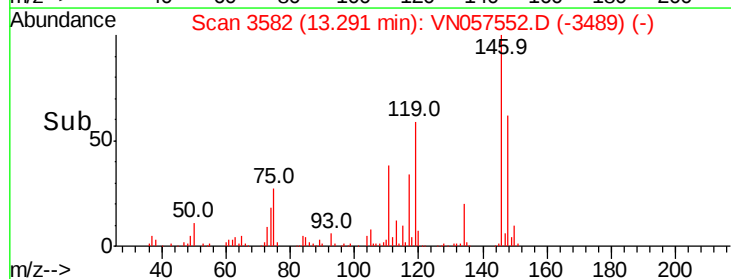
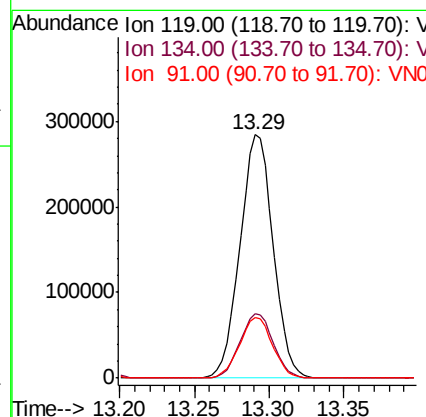
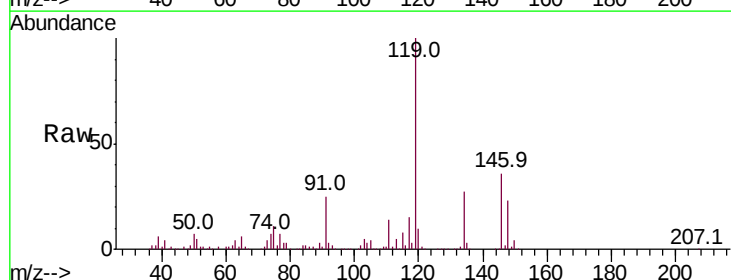
Manual Integrations
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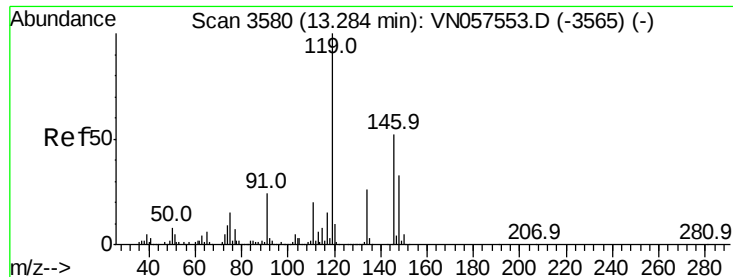
MMDadoda
 9/3/2019 2:38:41 AM



#86
 p-Isopropyltoluene
 Concen: 21.011 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	437187		
134	26.6	12.7	38.1	
91	25.1	13.9	41.6	





#87

1,3-Dichlorobenzene

Concen: 22.025 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

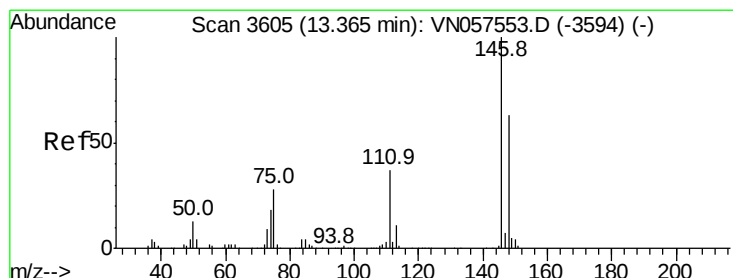
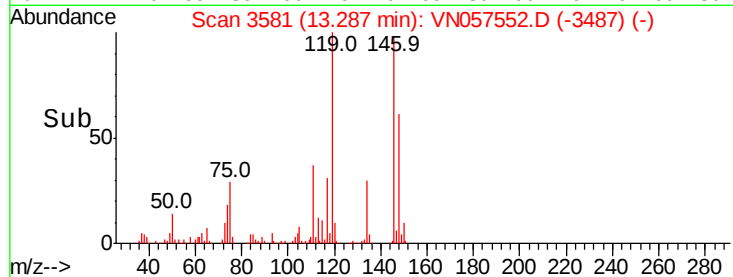
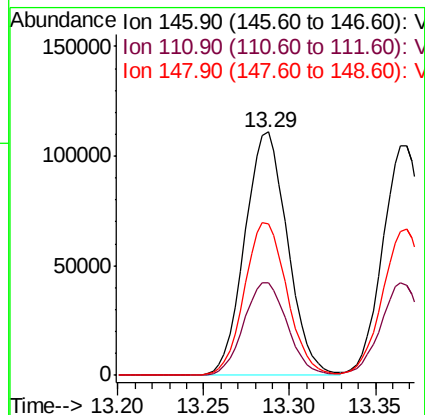
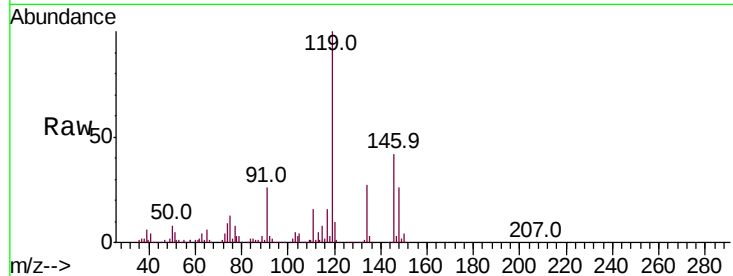
ClientSampled :

VSTDIC020

Tot Ion:	146	Resp:	192168
Ion Ratio	Lower	Upper	
146	100		
111	38.4	22.1	66.1
148	62.6	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.719 ug/l

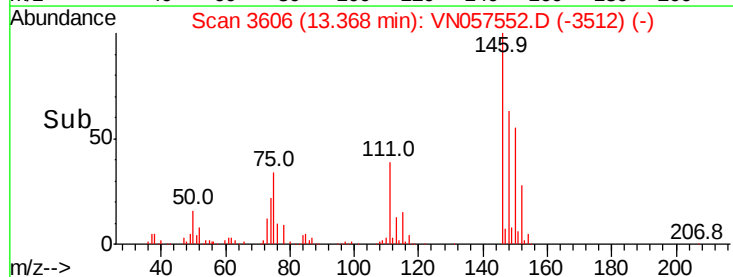
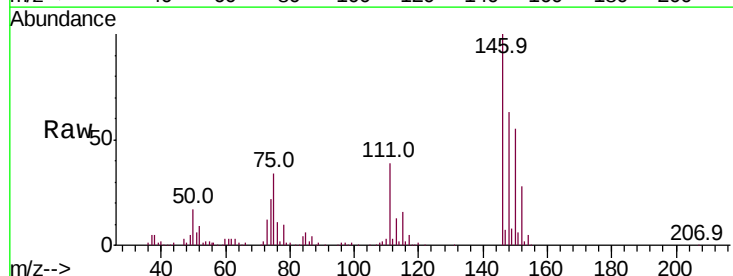
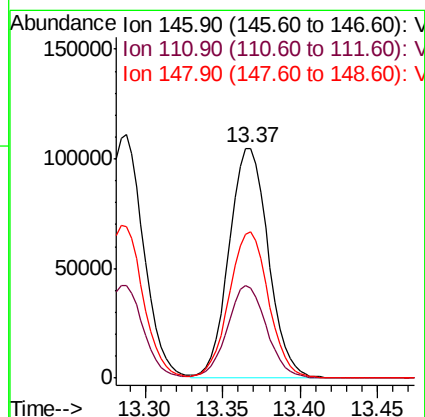
RT: 13.37 min Scan# 3606

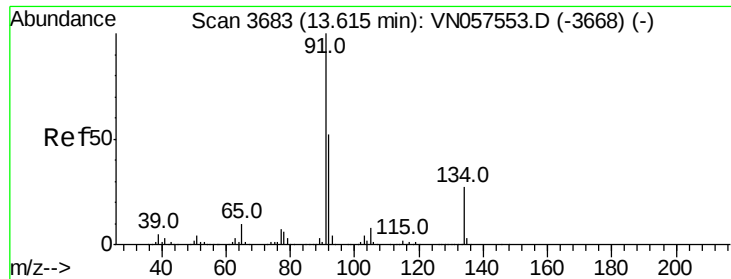
Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Tgt Ion:	146	Resp:	184729
Ion Ratio	Lower	Upper	
146	100		
111	40.3	21.9	65.5
148	64.1	31.1	93.2





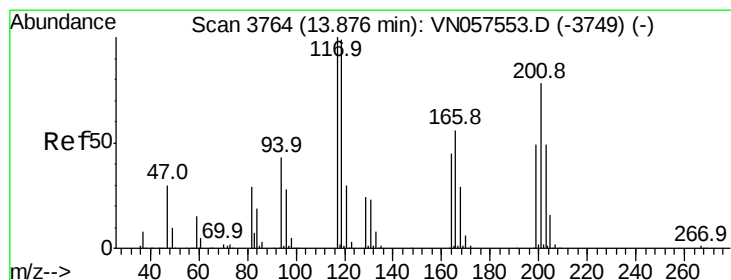
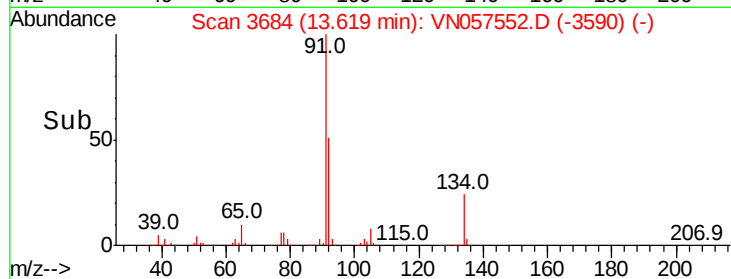
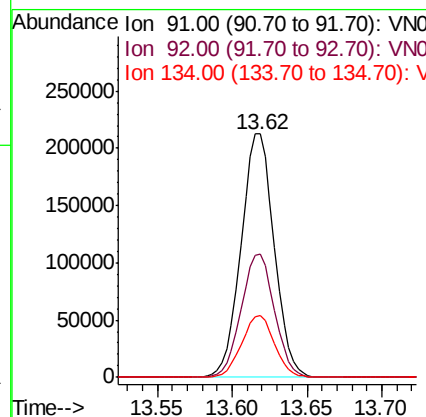
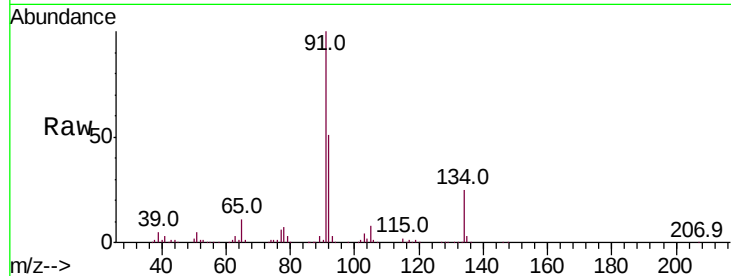
#89
n-Butylbenzene
Concen: 18.992 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.7	77.0
134	25.1	11.4	34.1

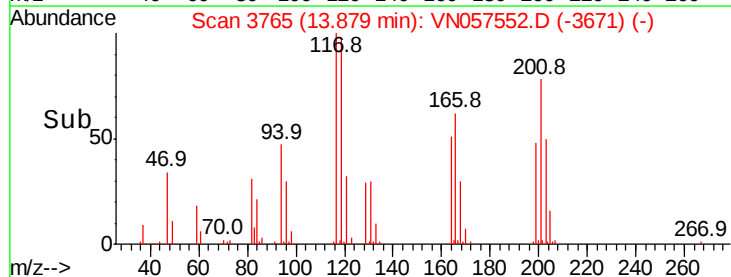
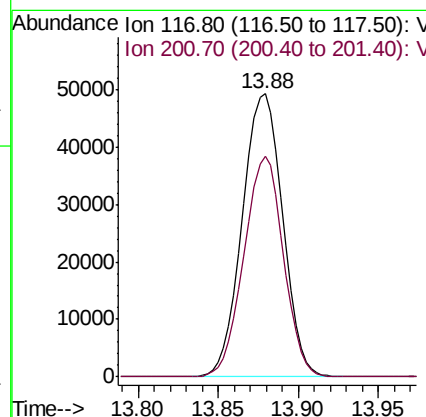
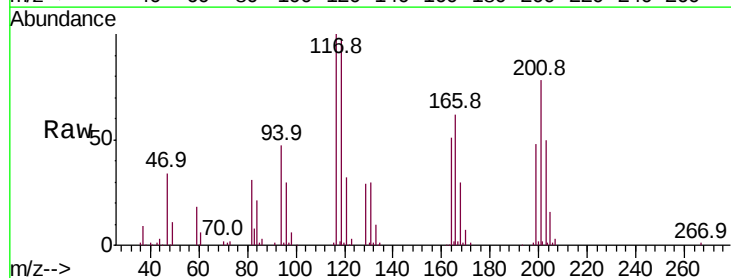
Manual Integrations
APPROVED

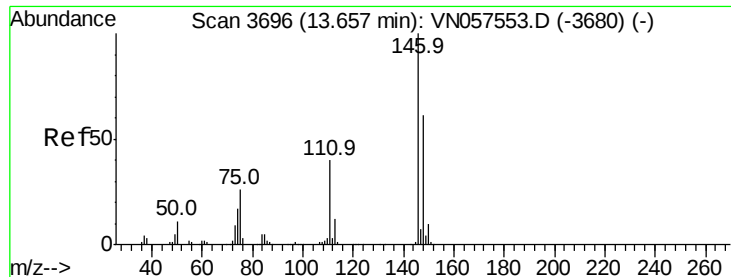
MMDadoda
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#90
Hexachloroethane
Concen: 17.993 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057552.D
Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.9	33.1	99.3





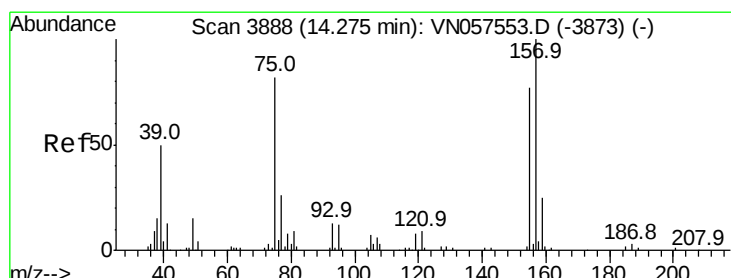
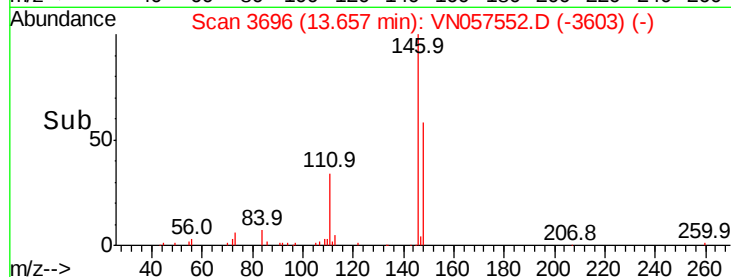
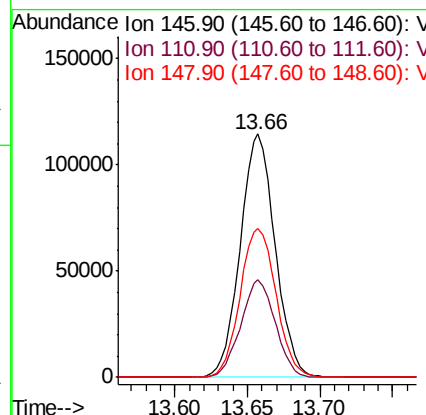
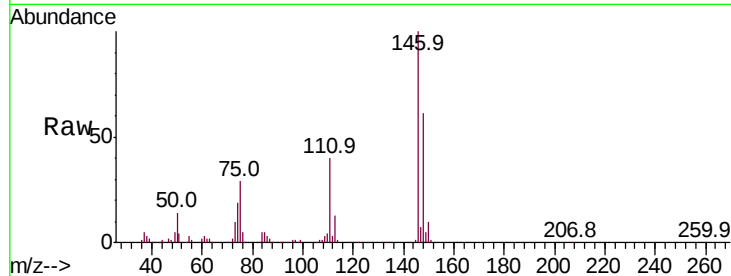
#91
 1,2-Dichlorobenzene
 Concen: 23.044 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.6	23.1	69.2	
148	63.1	31.8	95.4	

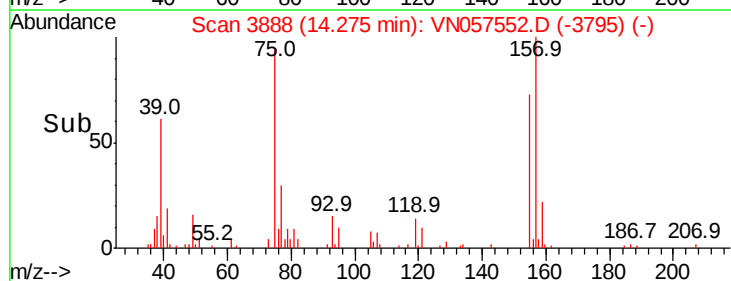
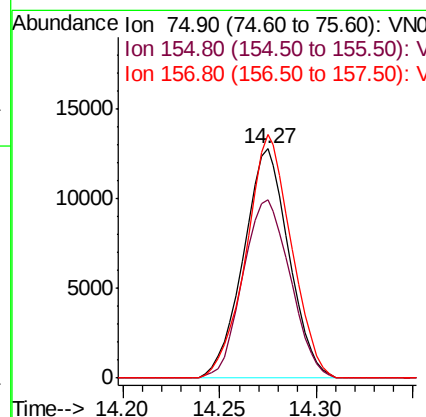
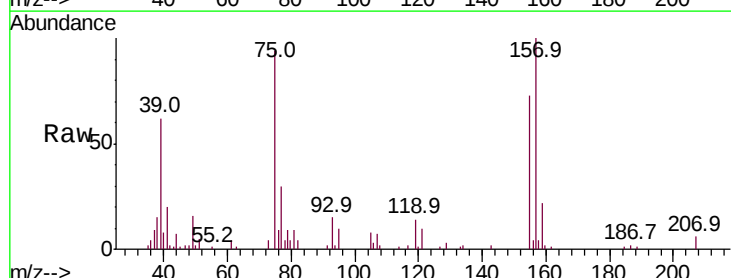
Manual Integrations
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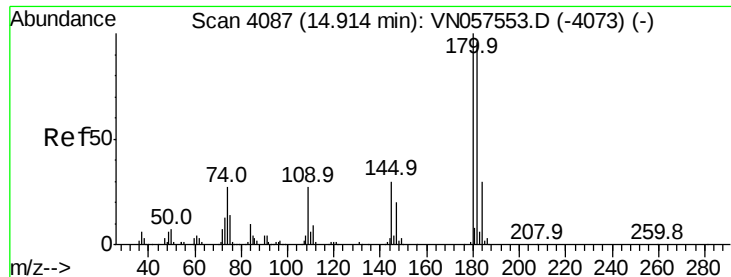
MMDadoda
 9/3/2019 2:38:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.480 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	80.7	31.6	94.7	
157	105.3	43.3	129.8	





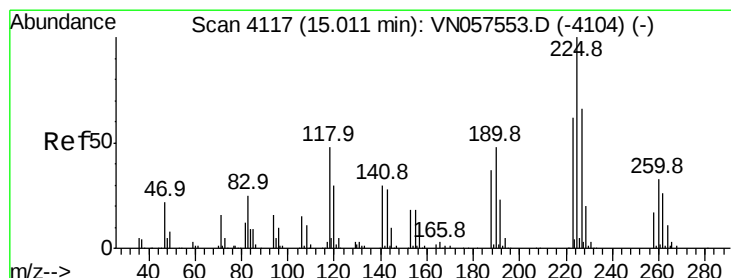
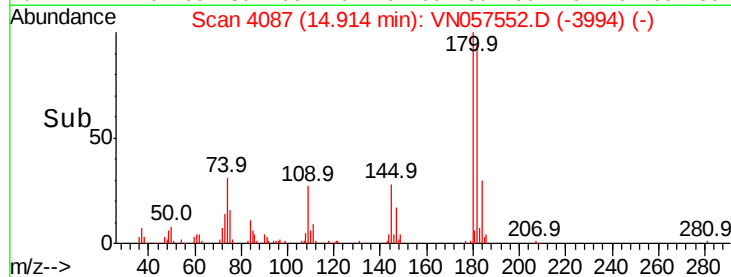
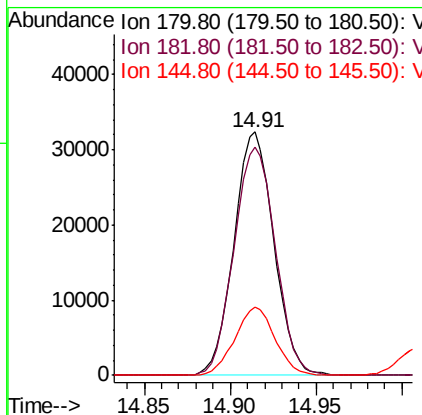
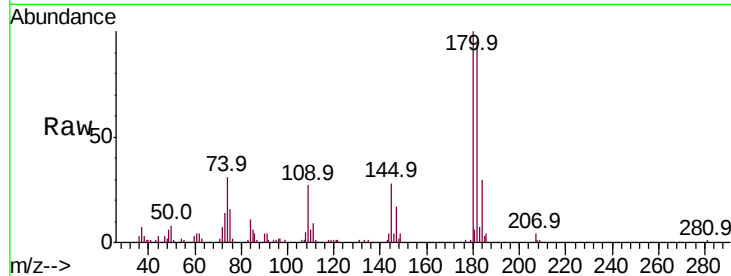
#93
 1,2,4-Trichlorobenzene
 Concen: 17.131 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	46.7	140.1
145	28.1	15.6	46.8

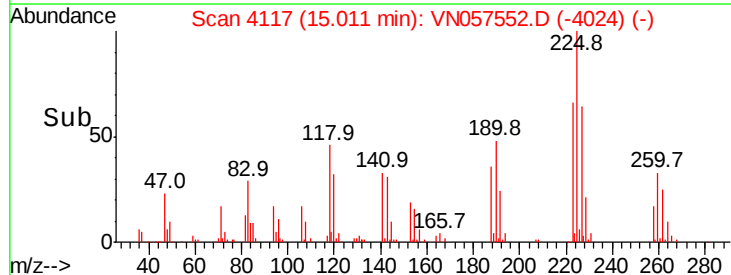
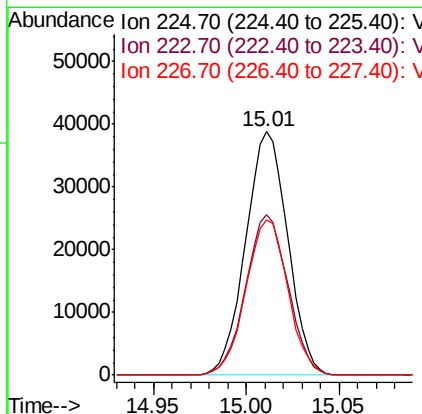
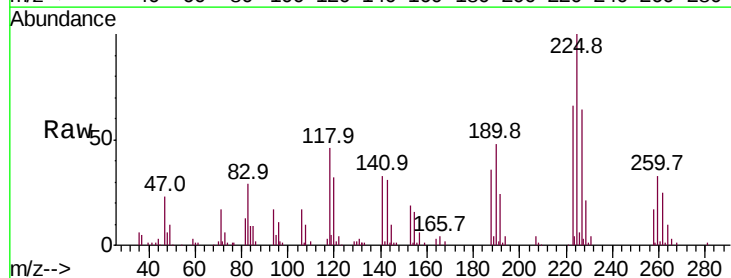
Manual Integrations
 APPROVED

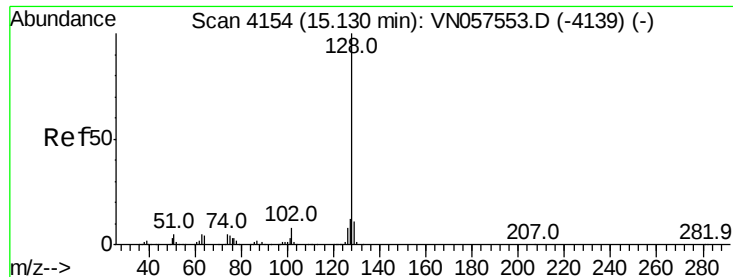
MMDadoda
 9/3/2019 2:38:41 AM



#94
 Hexachlorobutadiene
 Concen: 23.538 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057552.D
 Acq: 29 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.1	32.0	96.2
227	63.8	31.5	94.5





#95

Naphthalene

Concen: 15.646 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Instrument :

MSVOA_N

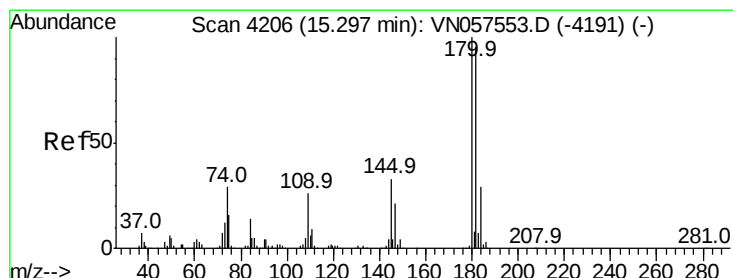
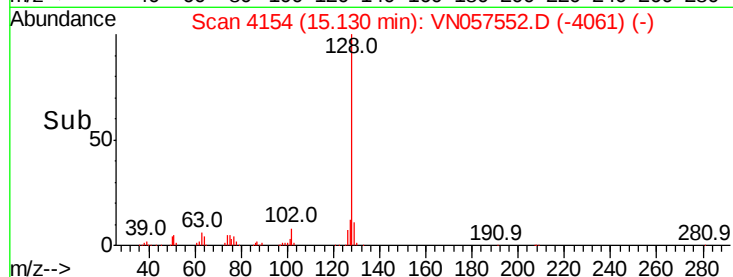
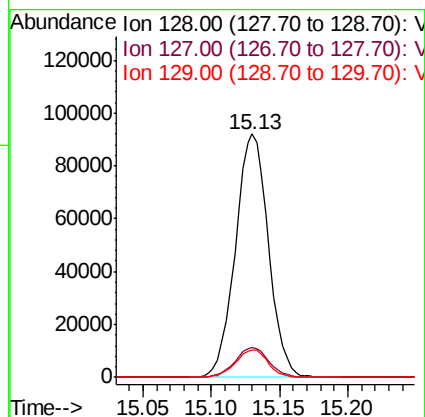
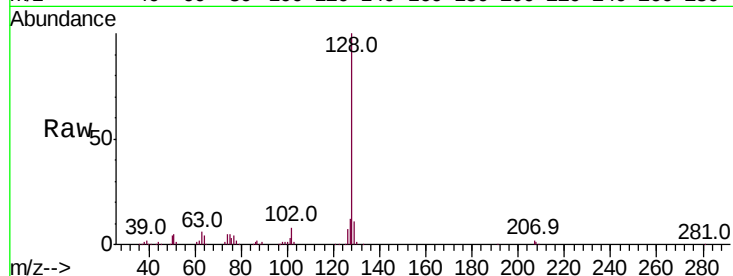
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	154345
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:38:41 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.271 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057552.D

Acq: 29 Aug 2019 16:14

Tgt Ion:	180	Resp:	51310
Ion Ratio	Lower	Upper	
180	100		
182	97.6	46.7	140.1
145	31.1	16.8	50.3

