

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050819\
 Data File : VN055482.D
 Acq On : 8 May 2019 18:14
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 6:33:02 PM

Quant Time: May 09 04:06:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 03:36:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	722564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1261589	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1131073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	513641	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1058306	108.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	217.06%	
35) Dibromofluoromethane	7.59	113	803701	96.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.48%	
50) Toluene-d8	10.09	98	3182628	104.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.84%	
62) 4-Bromofluorobenzene	12.40	95	1140917	118.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	237.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	684733	80.836	ug/l	99
3) Chloromethane	2.06	50	1109671	100.493	ug/l	99
4) Vinyl Chloride	2.19	62	1064558	115.701	ug/l	99
5) Bromomethane	2.52	94	578419	117.352	ug/l	99
6) Chloroethane	2.68	64	611631	120.994	ug/l	97
7) Trichlorofluoromethane	3.00	101	1172657	93.399	ug/l	99
8) Diethyl Ether	3.41	74	529627	115.997	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	740471	98.369	ug/l	100
10) Methyl Iodide	3.94	142	1105324	104.620	ug/l	100
11) Tert butyl alcohol	4.82	59	836333	1100.570	ug/l	100
12) 1,1-Dichloroethene	3.72	96	765087	105.364	ug/l	98
13) Acrolein	3.61	56	544547	999.092	ug/l	98
14) Allyl chloride	4.32	41	1623434	107.960	ug/l	98
15) Acrylonitrile	5.00	53	2509485	744.846	ug/l	99
16) Acetone	3.82	43	2281669	692.590	ug/l	98
17) Carbon Disulfide	4.04	76	2213039	116.253	ug/l	99
18) Methyl Acetate	4.33	43	1041483	114.370	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	2631583	125.192	ug/l	99
20) Methylene Chloride	4.54	84	932855	101.446	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	838771	108.734	ug/l	98
22) Diisopropyl ether	5.96	45	3320123	110.525	ug/l	99
23) Vinyl Acetate	5.90	43	13831545	680.633	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1717675	107.322	ug/l	99
25) 2-Butanone	6.84	43	3585540	828.474	ug/l	100
26) 2,2-Dichloropropane	6.82	77	1109998	101.872	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	971701	110.178	ug/l	98
28) Bromochloromethane	7.19	49	910993	111.632	ug/l	99
29) Tetrahydrofuran	7.22	42	2327178	839.331	ug/l	99
30) Chloroform	7.37	83	1582772	104.702	ug/l	99
31) Cyclohexane	7.65	56	1646929	107.291	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	1243214	102.228	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1249920	101.835	ug/l	99
37) Ethyl Acetate	6.94	43	1385059	136.886	ug/l	99
38) Carbon Tetrachloride	7.77	117	1026619	89.189	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1492266	112.840	ug/l	99
40) Benzene	8.04	78	3798630	104.724	ug/l	99
41) Methacrylonitrile	7.18	41	643177	123.028	ug/l	94
42) 1,2-Dichloroethane	8.13	62	1283506	100.351	ug/l	99
43) Isopropyl Acetate	8.17	43	2201137	137.659	ug/l	98
44) Trichloroethene	8.84	130	876580	95.963	ug/l	99
45) 1,2-Dichloropropane	9.12	63	1073968	103.036	ug/l	99
46) Dibromomethane	9.21	93	618255	107.232	ug/l	98
47) Bromodichloromethane	9.40	83	1239760	102.199	ug/l	99
48) Methyl methacrylate	9.20	41	1077220	137.833	ug/l	99
49) 1,4-Dioxane	9.21	88	402802	4149.262	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	7123092	763.311	ug/l	100
52) Toluene	10.16	92	2241376	107.590	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1336595	124.837	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1547479	116.757	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	881986	112.629	ug/l	99
56) Ethyl methacrylate	10.43	69	1476642	147.396	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1593157	115.523	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	2330416	857.255	ug/l	99
59) 2-Hexanone	10.75	43	5005836	832.145	ug/l	100
60) Dibromochloromethane	10.90	129	875242	111.789	ug/l	99
61) 1,2-Dibromoethane	11.00	107	886249	121.267	ug/l	99
64) Tetrachloroethene	10.63	164	820665	88.206	ug/l	99
65) Chlorobenzene	11.43	112	2254087	100.620	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	801861	93.143	ug/l	100
67) Ethyl Benzene	11.51	91	4331983	106.603	ug/l	99
68) m/p-Xylenes	11.62	106	3143909	216.241	ug/l	100
69) o-Xylene	11.95	106	1531505	106.249	ug/l	100
70) Styrene	11.96	104	2636682	118.508	ug/l	100
71) Bromoform	12.13	173	603797	122.846	ug/l #	99
73) Isopropylbenzene	12.25	105	4069873	78.915	ug/l	99
74) N-amyl acetate	12.07	43	1873276	131.620	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	1324493	97.028	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1137106m	92.692	ug/l	
77) Bromobenzene	12.53	156	944702	80.987	ug/l	99
78) n-propylbenzene	12.59	91	4779510	89.523	ug/l	100
79) 2-Chlorotoluene	12.67	91	2825770	82.763	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	3539591	86.733	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	376557	128.057	ug/l	95
82) 4-Chlorotoluene	12.77	91	2895491	92.942	ug/l	100
83) tert-Butylbenzene	12.99	119	2901750	79.580	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3487282	95.573	ug/l	99
85) sec-Butylbenzene	13.17	105	3998880	89.843	ug/l	100
86) p-Isopropyltoluene	13.29	119	3503861	95.917	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1663973	95.768	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1635453	99.894	ug/l	99
89) n-Butylbenzene	13.61	91	3096213	117.556	ug/l	99
90) Hexachloroethane	13.87	117	560424	82.513	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1612969	93.574	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	235036	155.863	ug/l	98

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	803482	146.083	ug/l	98
94) Hexachlorobutadiene	15.01	225	499277	78.951	ug/l	100
95) Naphthalene	15.13	128	2246642	175.953	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	855505	148.384	ug/l	99

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

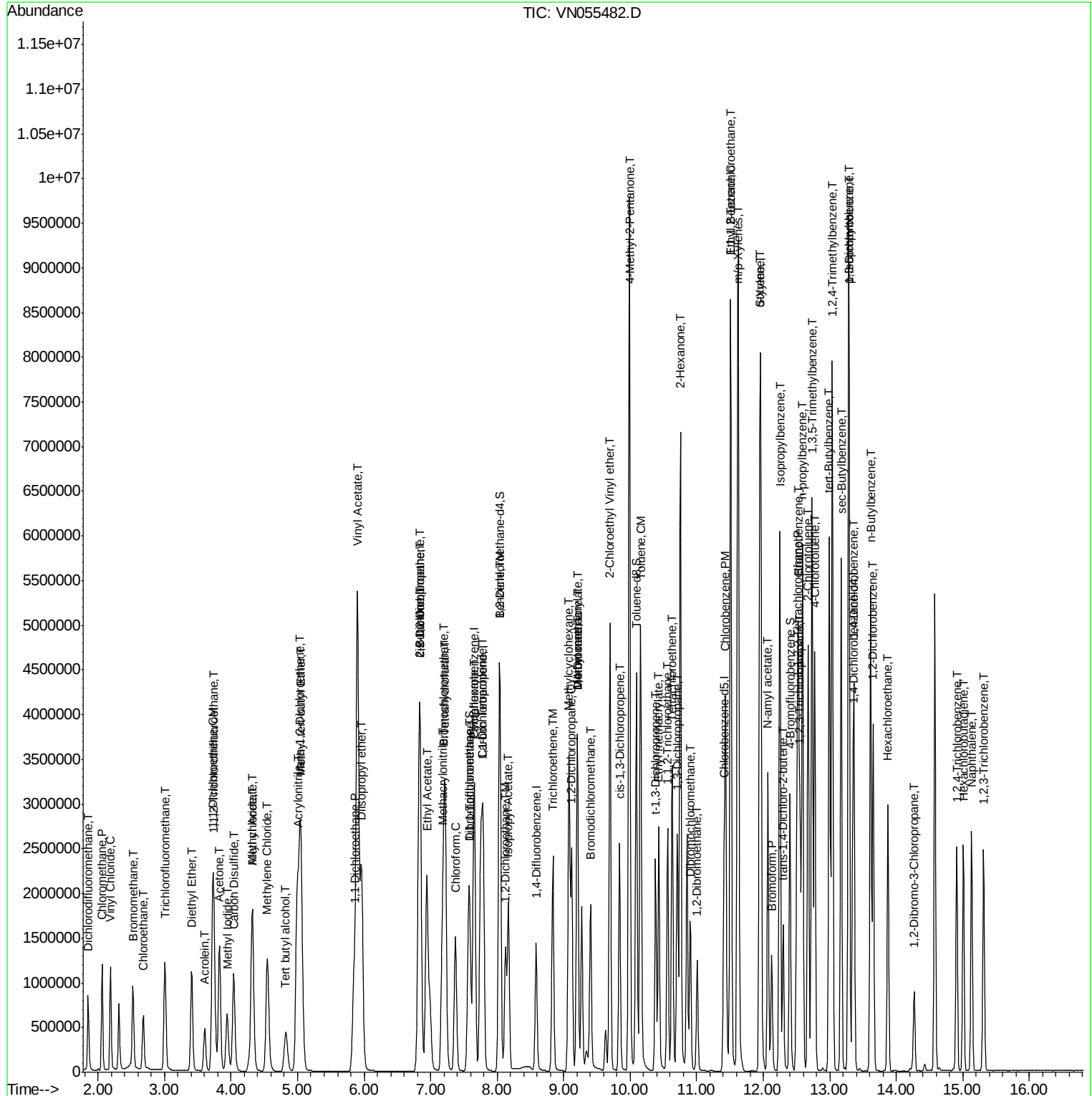
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050819\
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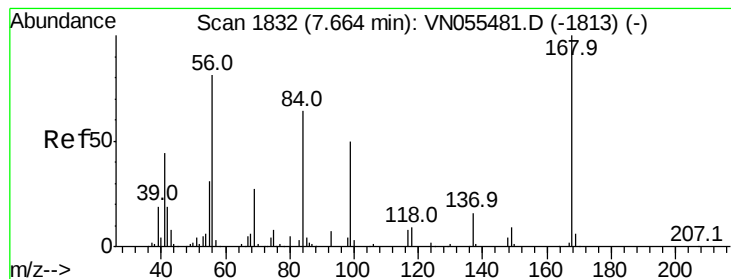
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 722564

Ion Ratio Lower Upper

168 100

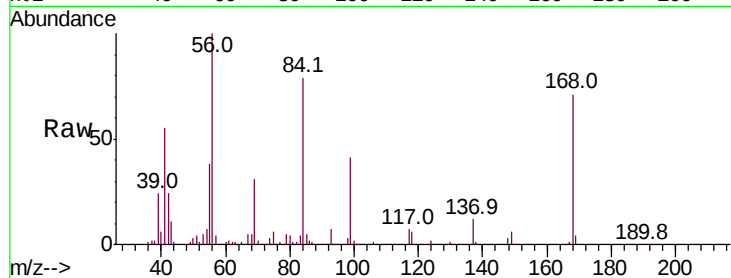
99 57.4 47.0 70.4

Manual Integrations

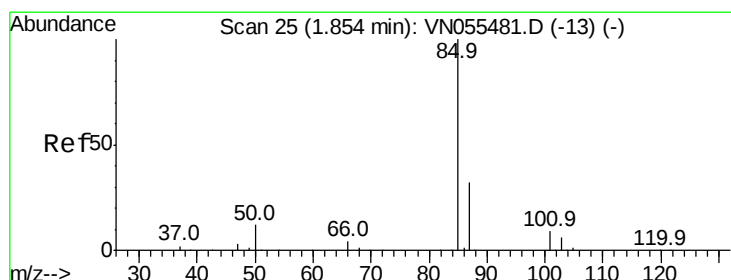
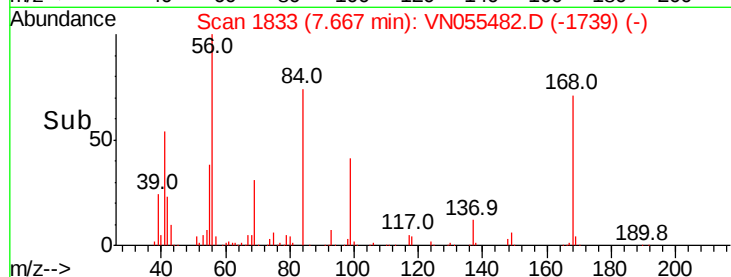
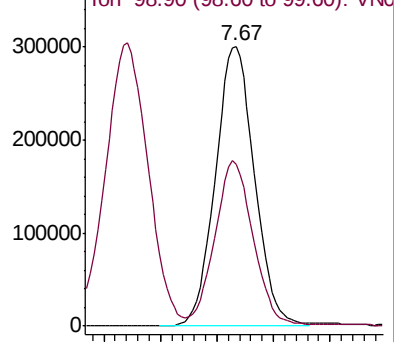
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5/9/2019 6:33:02 PM



Abundance Ion 167.90 (167.60 to 168.60): VN055481.D (-1813) (-)



#2

Dichlorodifluoromethane

Concen: 80.836 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055482.D

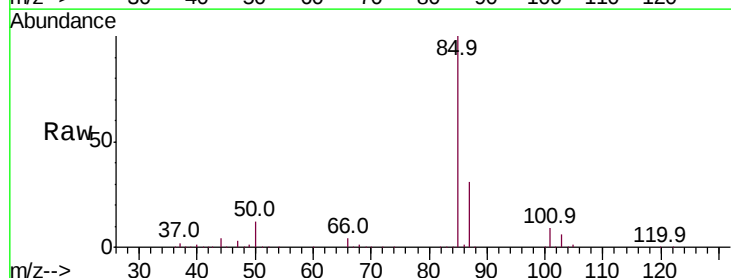
Acq: 8 May 2019 18:14

Tgt Ion: 85 Resp: 684733

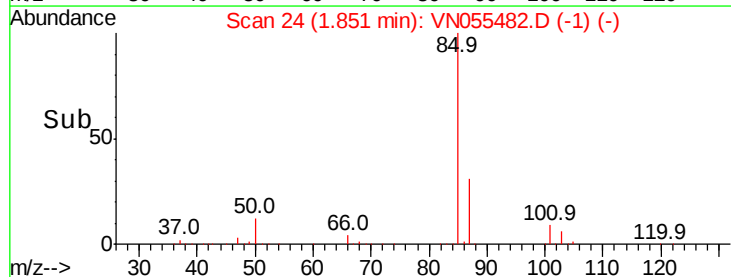
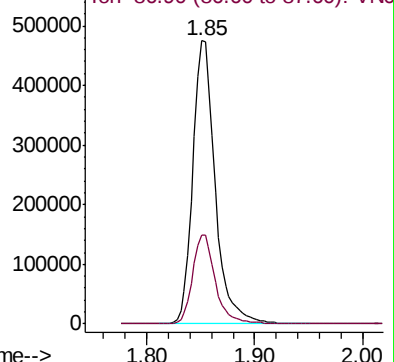
Ion Ratio Lower Upper

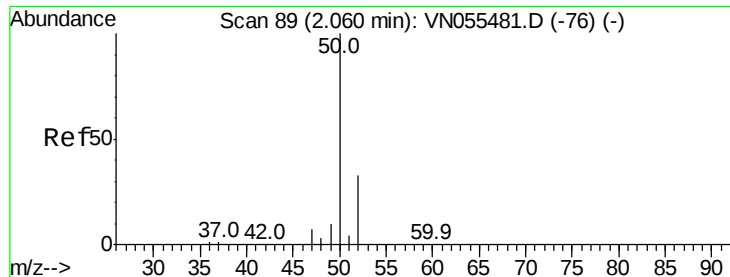
85 100

87 31.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN055481.D (-13) (-)





#3

Chloromethane

Concen: 100.493 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 1109671

Ion Ratio Lower Upper

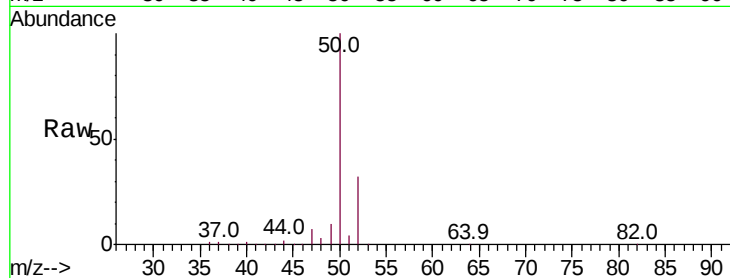
50 100

52 32.4 26.6 39.8

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

800000

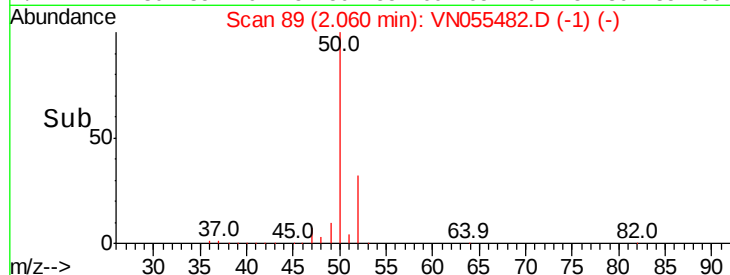
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400000

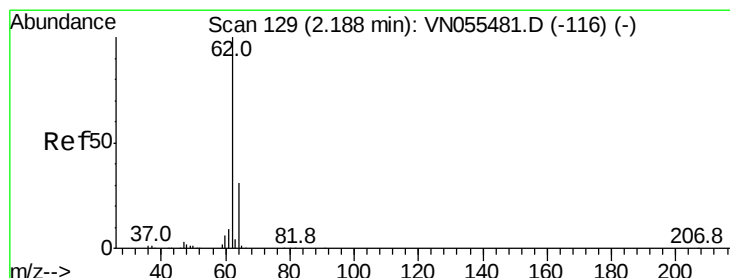
200000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 115.701 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055482.D

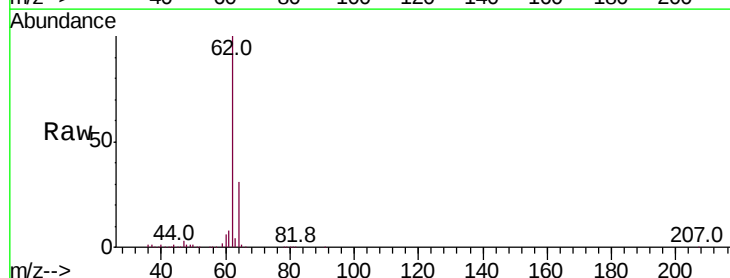
Acq: 8 May 2019 18:14

Tgt Ion: 62 Resp: 1064558

Ion Ratio Lower Upper

62 100

64 31.0 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

800000

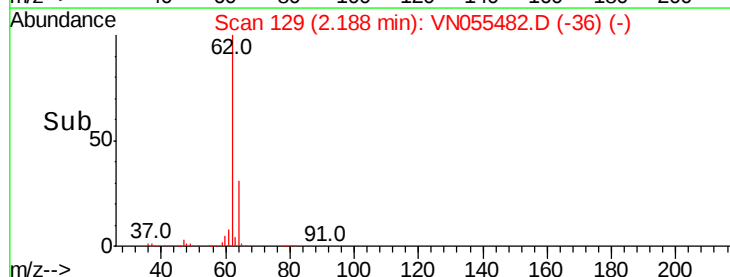
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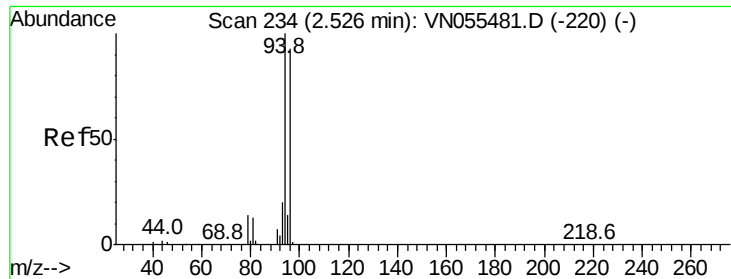
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Time-->



Time-->



#5

Bromomethane

Concen: 117.352 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 578419

Ion Ratio Lower Upper

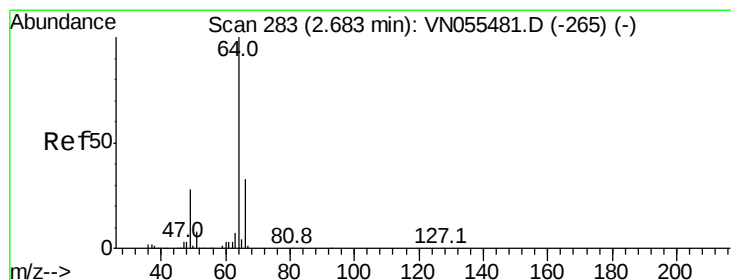
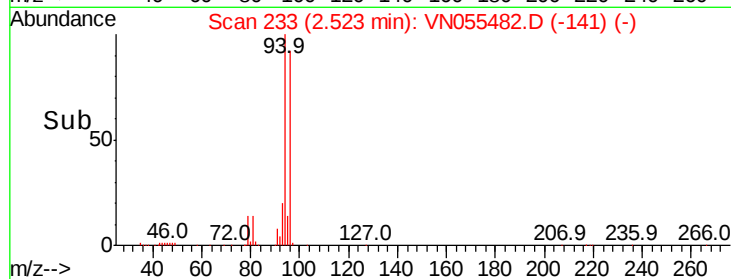
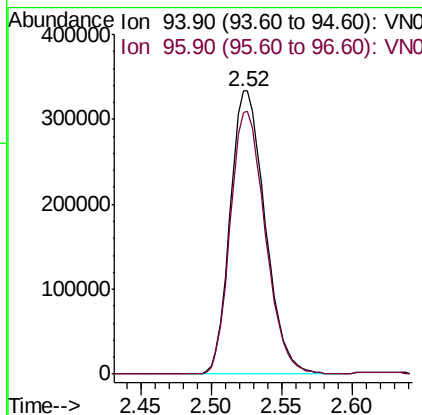
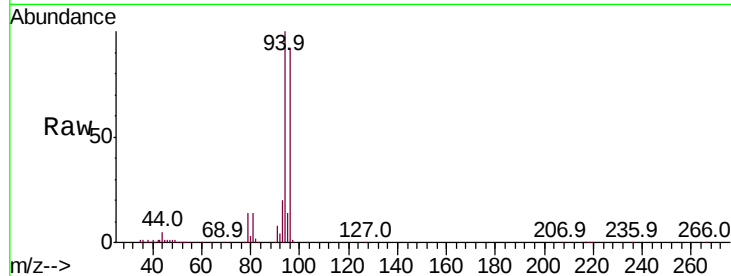
94 100

96 92.4 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 120.994 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN055482.D

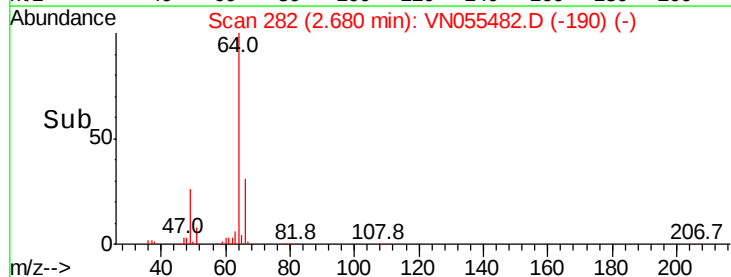
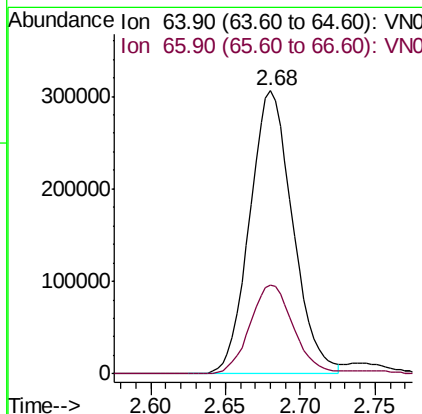
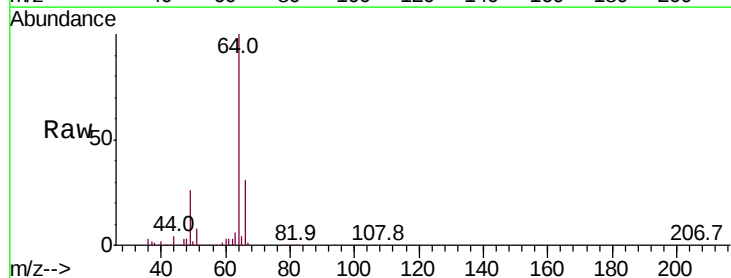
Acq: 8 May 2019 18:14

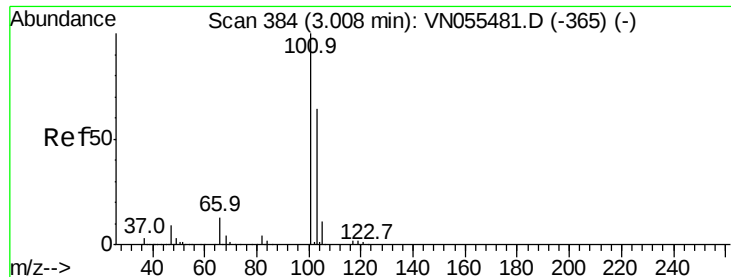
Tgt Ion: 64 Resp: 611631

Ion Ratio Lower Upper

64 100

66 31.2 26.2 39.2





#7

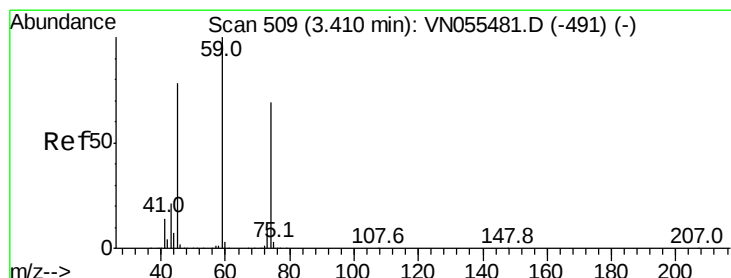
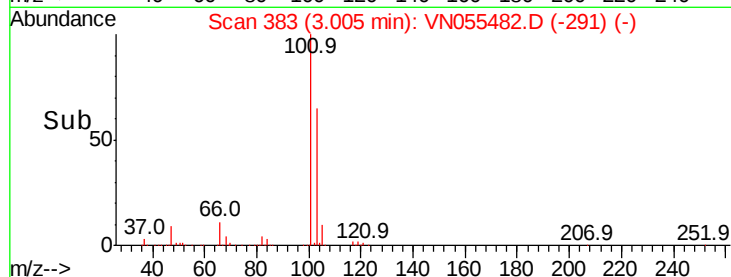
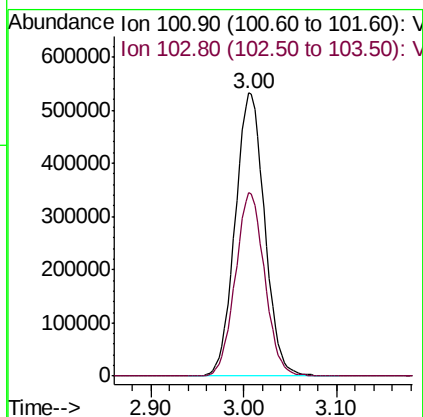
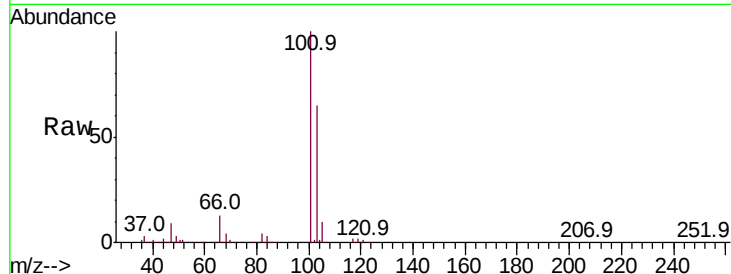
Trichlorofluoromethane
Concen: 93.399 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
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ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 1172657
Ion Ratio Lower Upper
101 100
103 65.0 51.2 76.8

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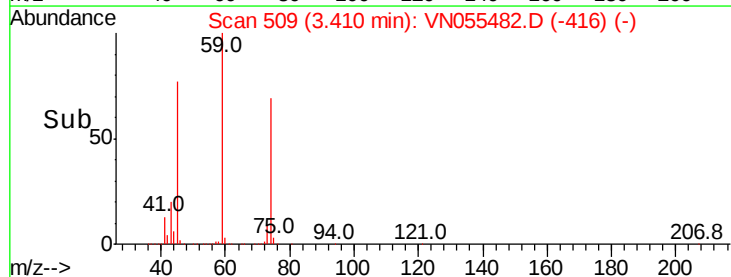
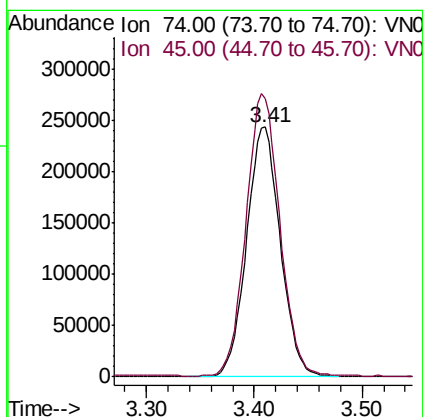
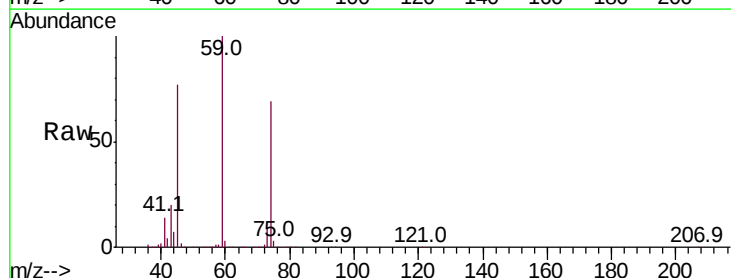
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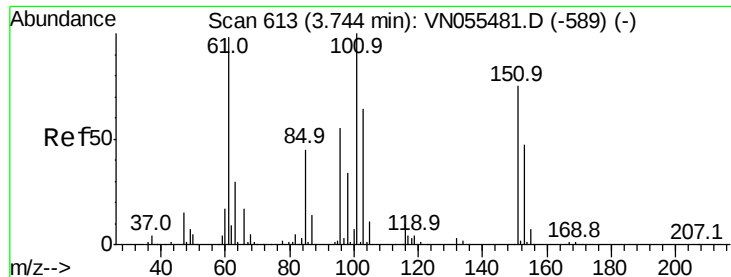


#8

Diethyl Ether
Concen: 115.997 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion: 74 Resp: 529627
Ion Ratio Lower Upper
74 100
45 113.3 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.369 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

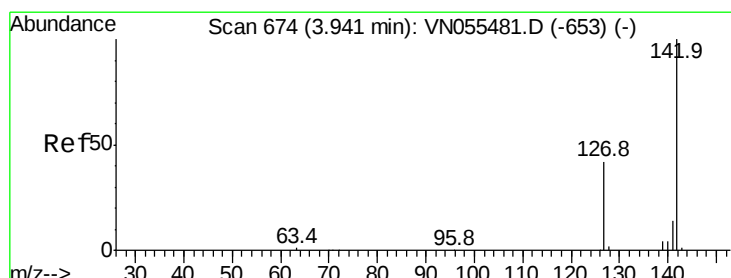
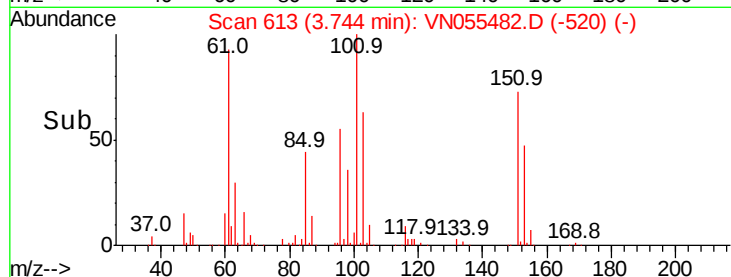
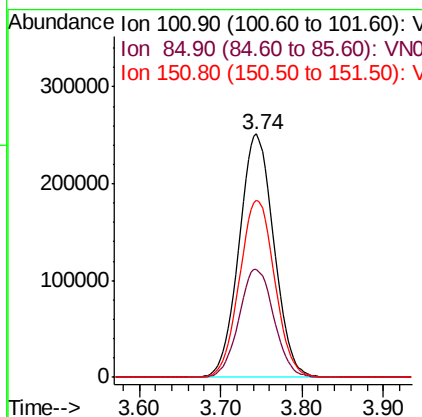
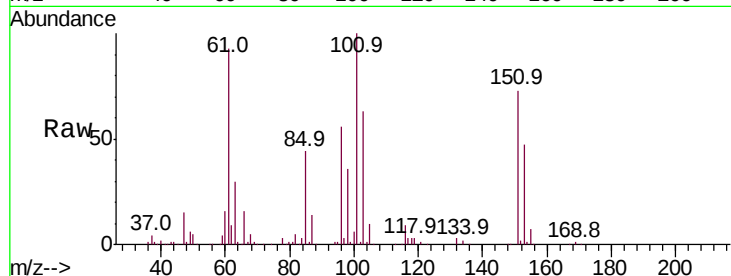
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	740471
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.5	53.3
151	73.7	59.2	88.8

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#10

Methyl Iodide

Concen: 104.620 ug/l

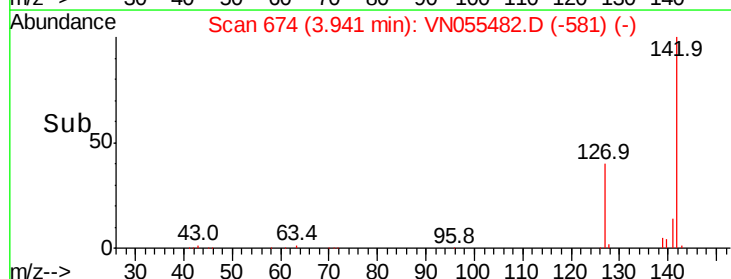
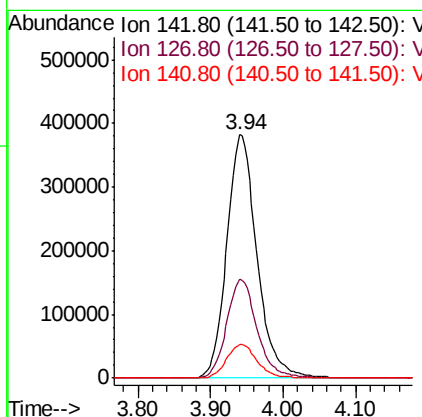
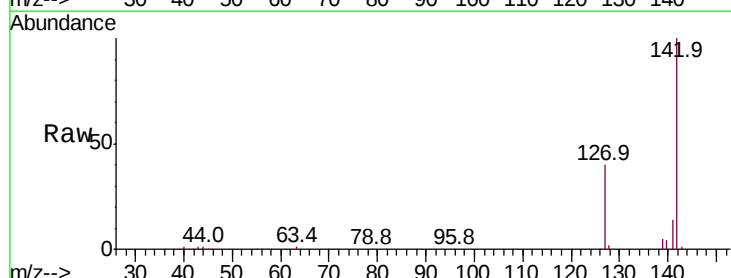
RT: 3.94 min Scan# 674

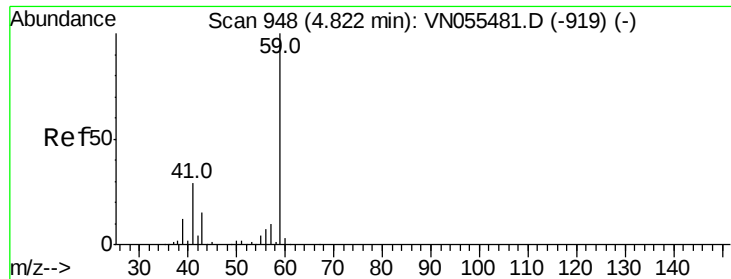
Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Tgt Ion:	142	Resp:	1105324
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.0	49.4
141	14.2	11.4	17.0





#11

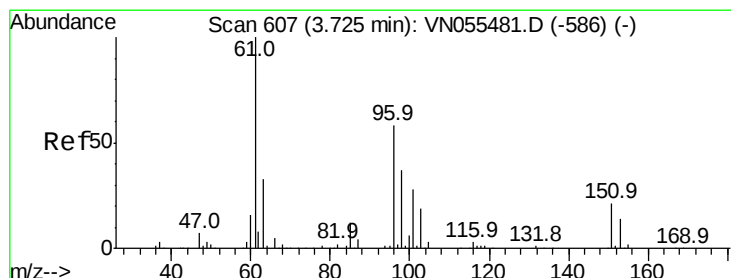
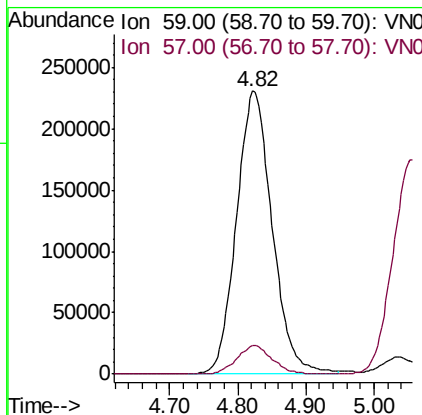
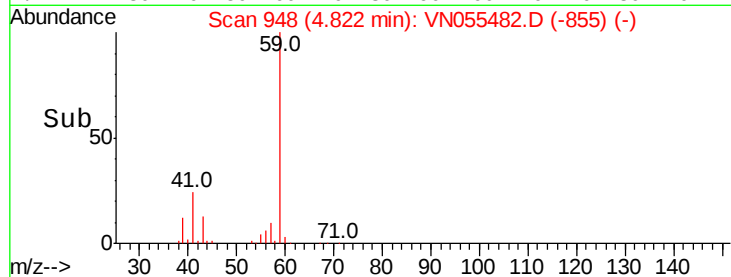
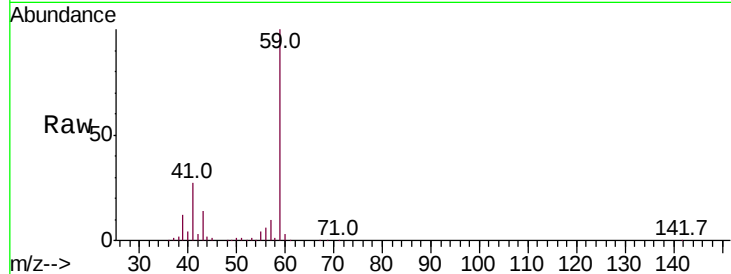
Tert butyl alcohol
Concen: 1100.570 ug/l
RT: 4.82 min Scan# 948
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

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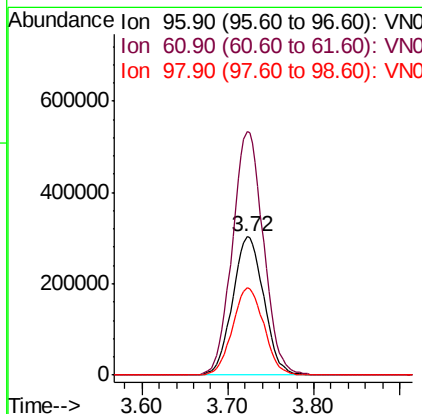
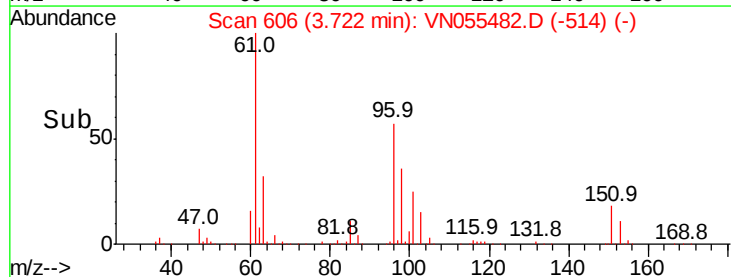
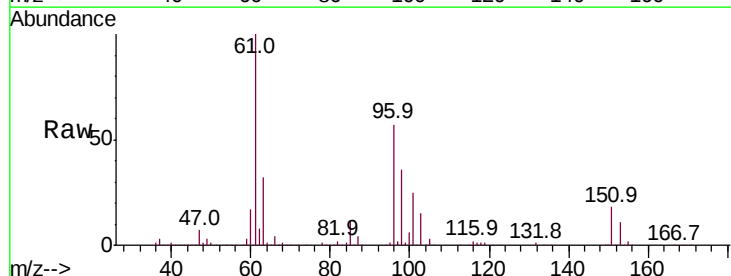
MMDadoda
5/9/2019 6:33:02 PM

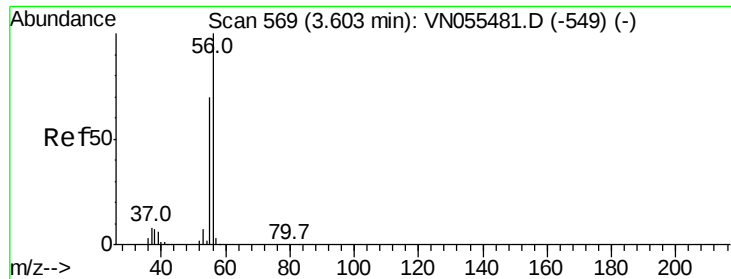


#12

1,1-Dichloroethene
Concen: 105.364 ug/l
RT: 3.72 min Scan# 606
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.3	138.7	208.1
98	62.9	50.6	76.0





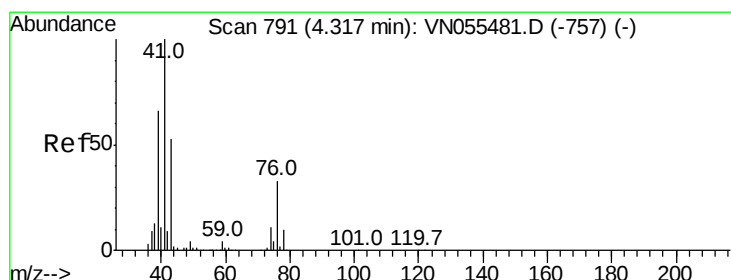
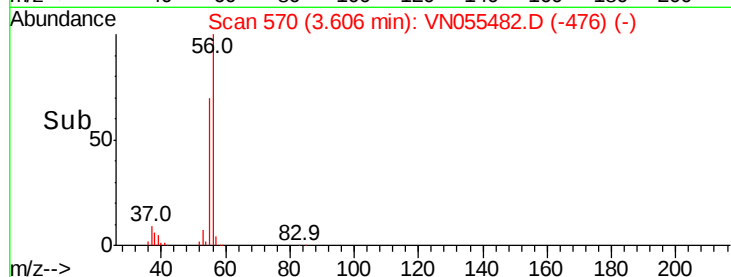
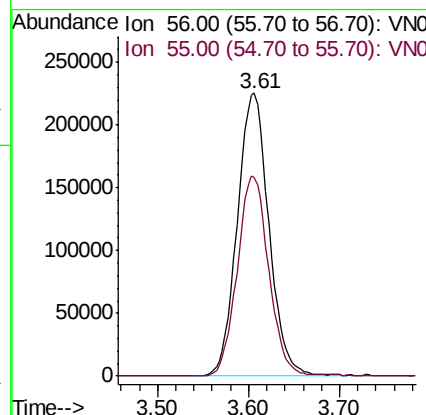
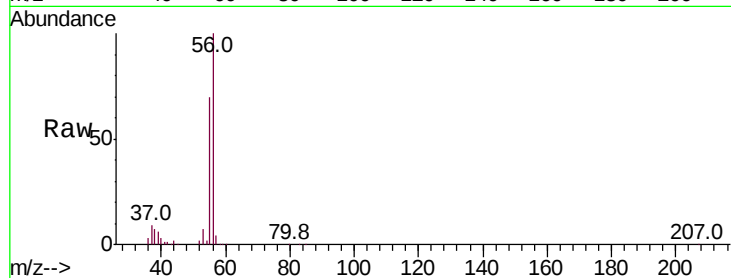
#13
Acrolein
Concen: 999.092 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 544547
Ion Ratio Lower Upper
56 100
55 70.0 57.7 86.5

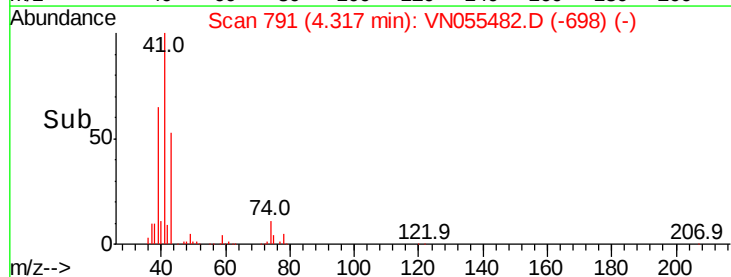
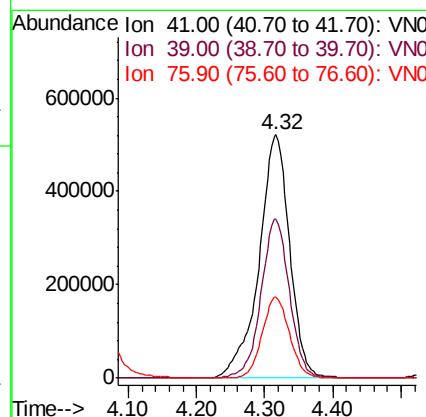
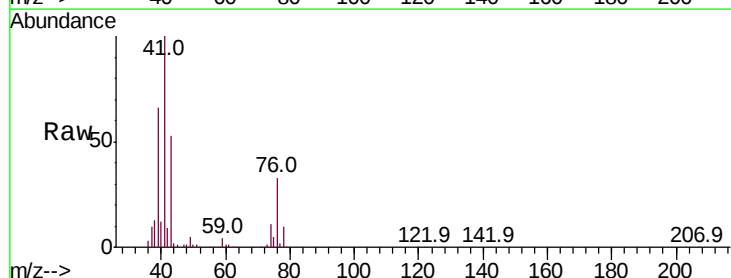
Manual Integrations
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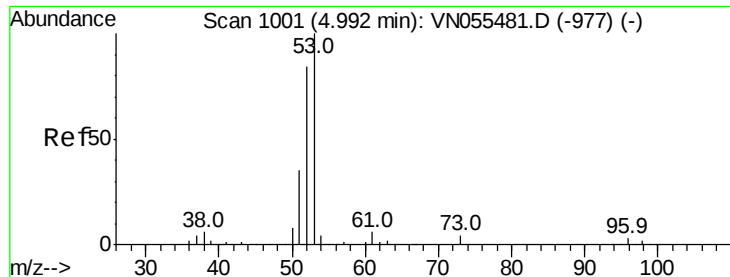
MMDadoda
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#14
Allyl chloride
Concen: 107.960 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion: 41 Resp: 1623434
Ion Ratio Lower Upper
41 100
39 60.6 49.8 74.8
76 29.6 23.5 35.3





#15

Acrylonitrile

Concen: 744.846 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 53 Resp: 2509485

Ion Ratio Lower Upper

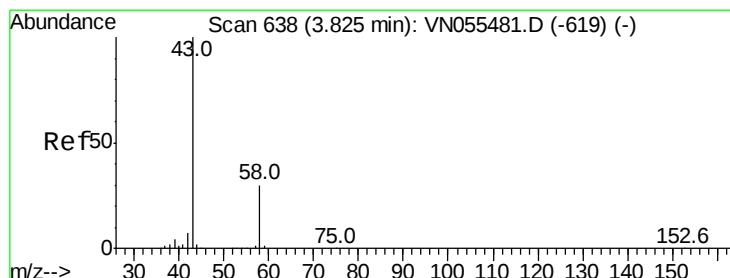
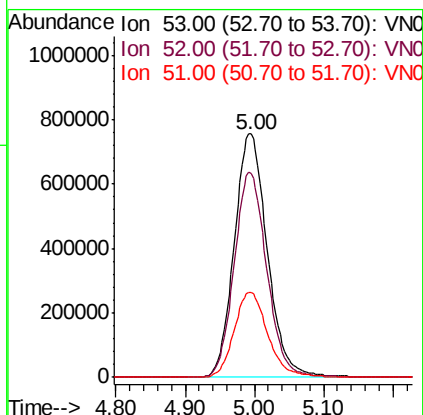
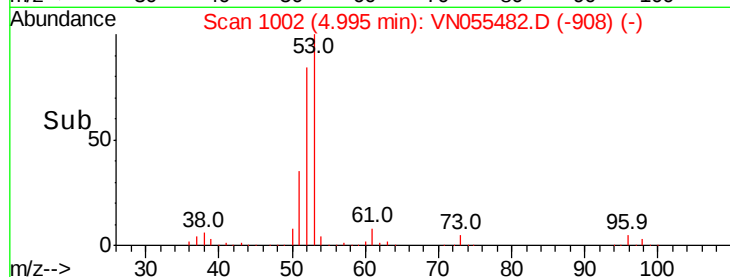
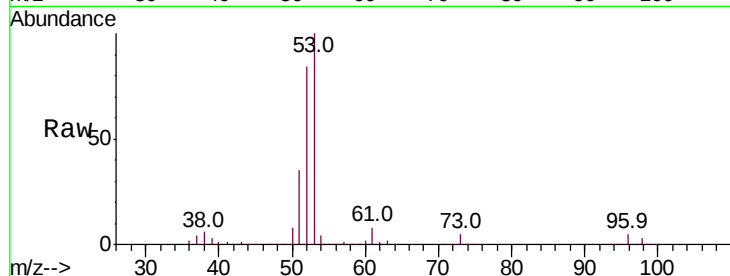
53 100

52 83.3 66.1 99.1

51 35.7 28.3 42.5

Manual Integrations
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#16

Acetone

Concen: 692.590 ug/l

RT: 3.82 min Scan# 638

Delta R.T. -0.00 min

Lab File: VN055482.D

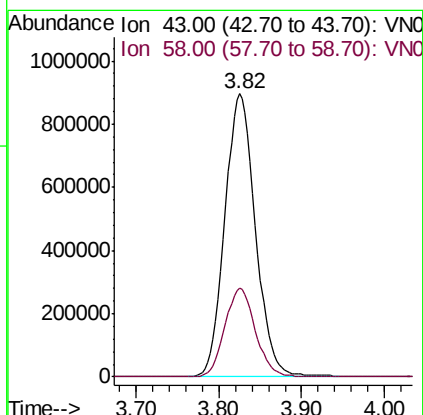
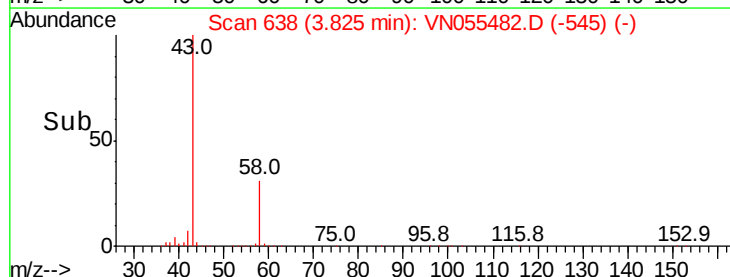
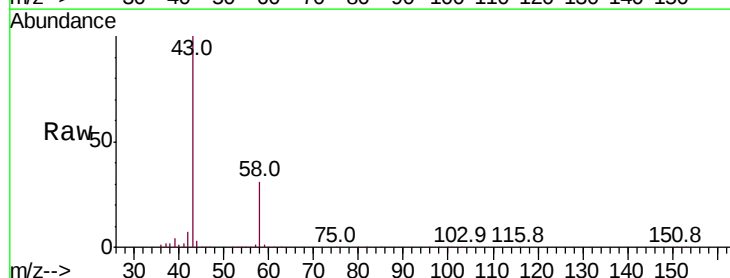
Acq: 8 May 2019 18:14

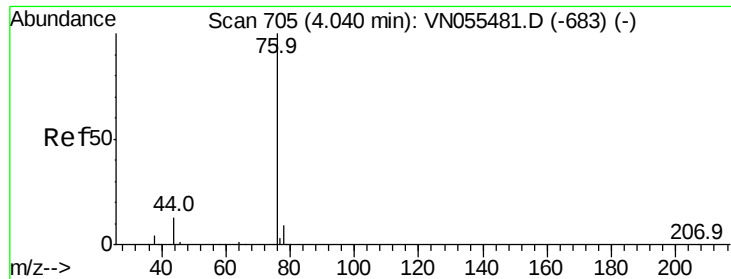
Tgt Ion: 43 Resp: 2281669

Ion Ratio Lower Upper

43 100

58 31.3 24.2 36.2





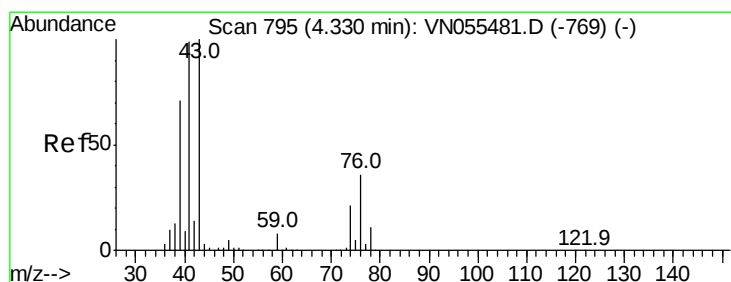
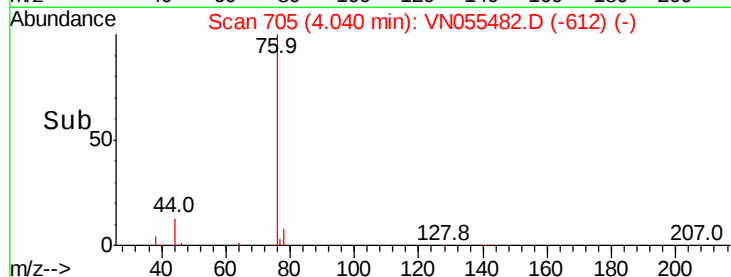
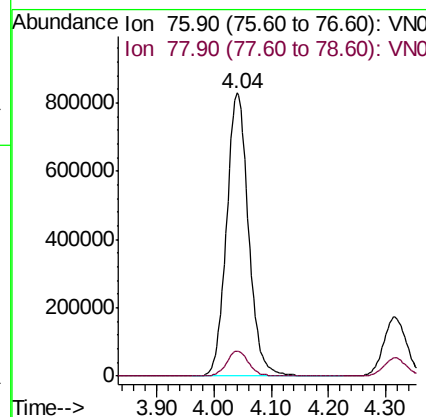
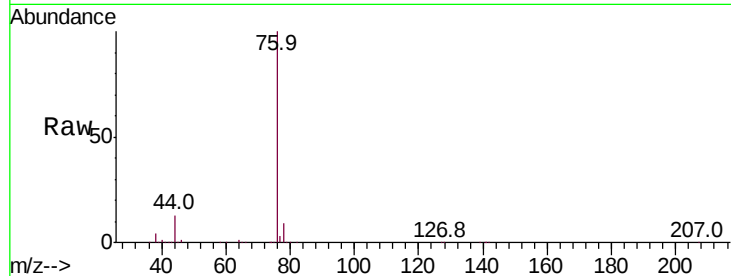
#17
Carbon Disulfide
Concen: 116.253 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 2213039
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

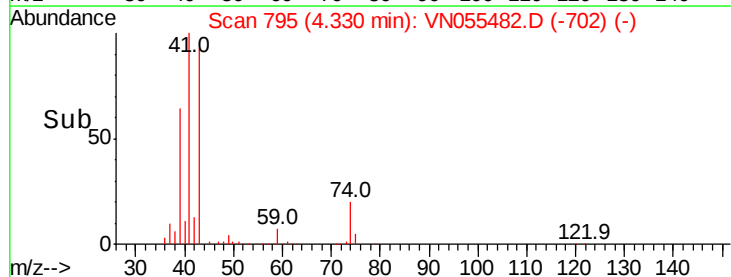
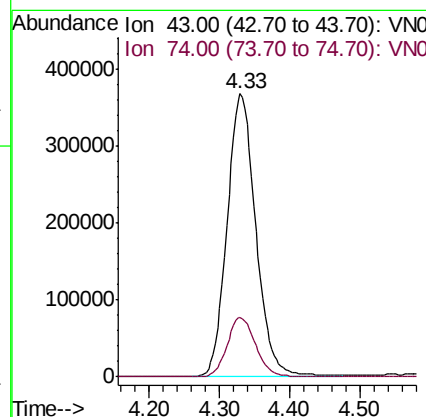
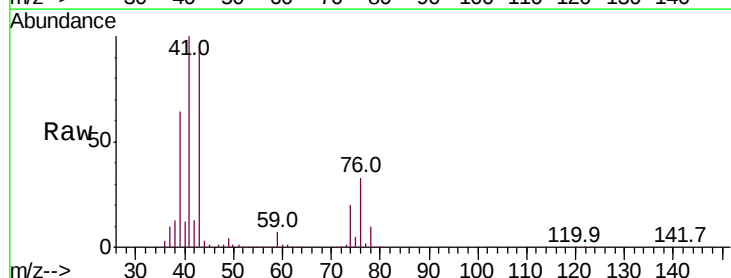
Manual Integrations
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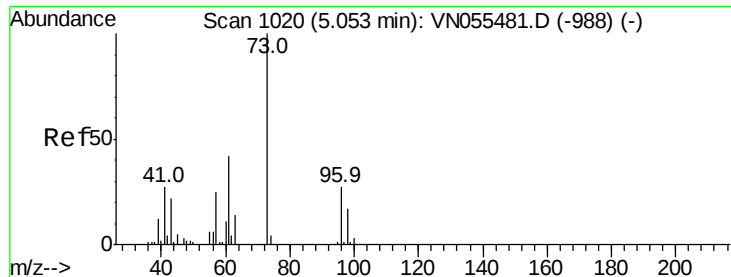
MMDadoda
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#18
Methyl Acetate
Concen: 114.370 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion: 43 Resp: 1041483
Ion Ratio Lower Upper
43 100
74 21.1 16.3 24.5





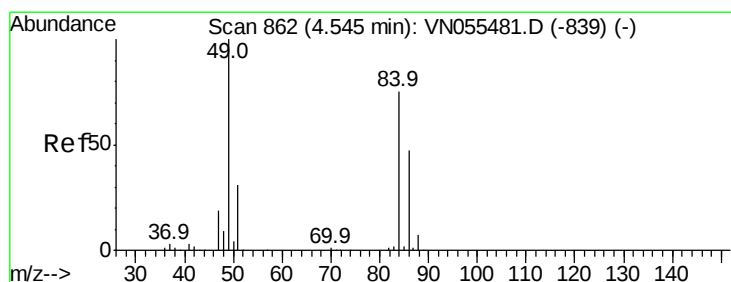
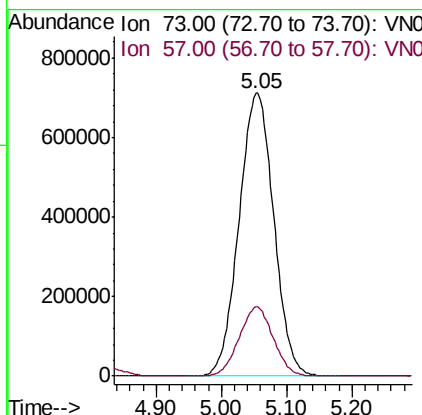
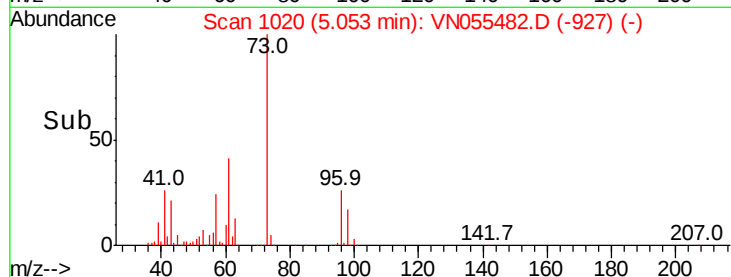
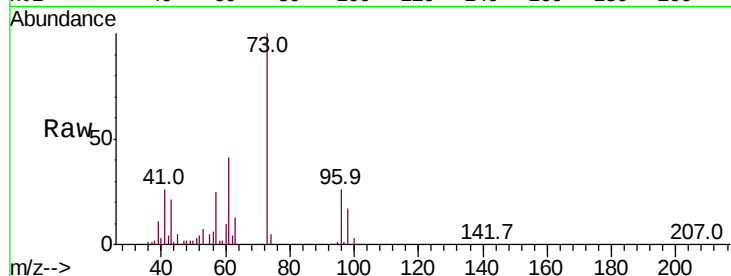
#19
Methvl tert-butvl Ether
Concen: 125.192 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 2631583
Ion Ratio Lower Upper
73 100
57 24.5 20.0 30.0

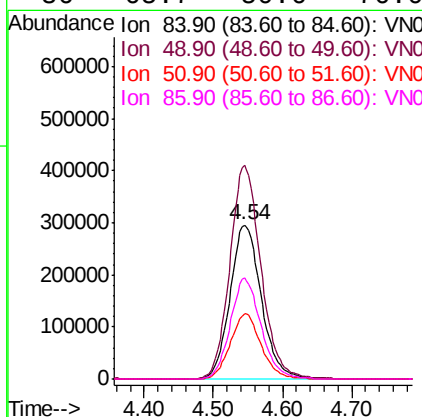
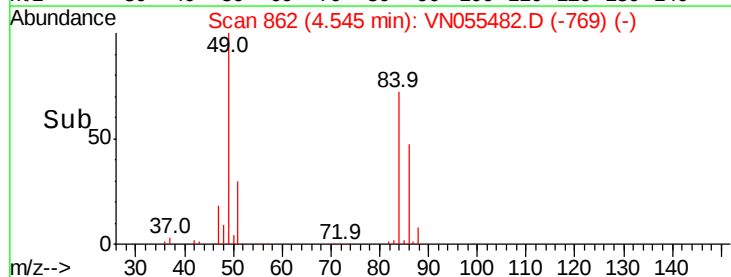
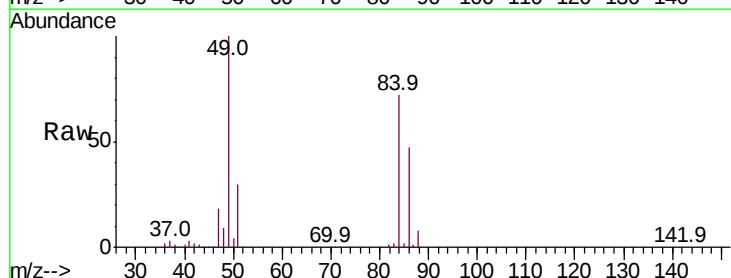
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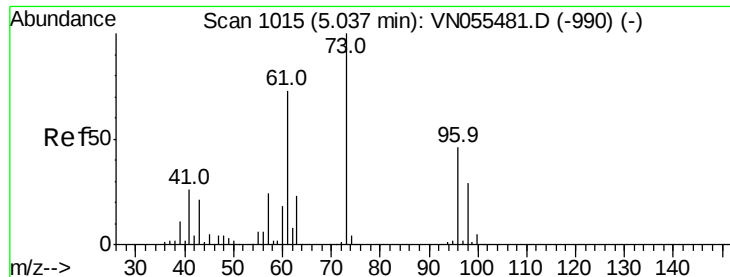
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#20
Methylene Chloride
Concen: 101.446 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion: 84 Resp: 932855
Ion Ratio Lower Upper
84 100
49 138.8 107.0 160.6
51 42.2 33.0 49.4
86 65.7 50.6 76.0





#21

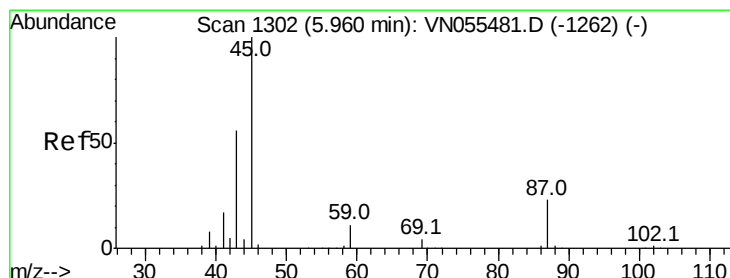
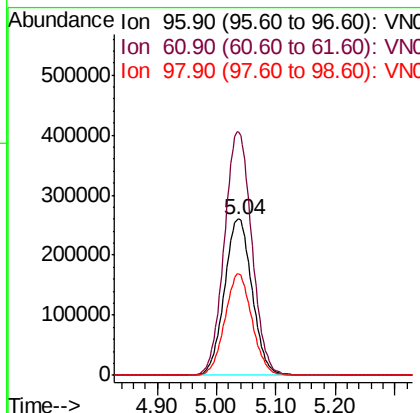
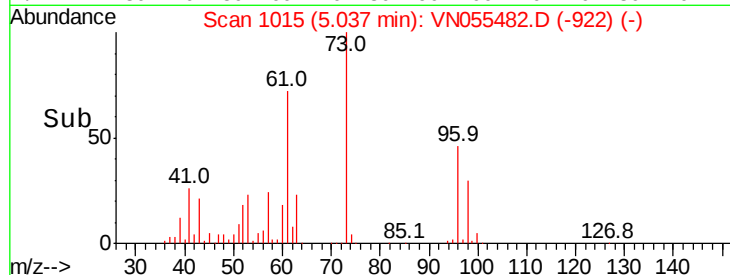
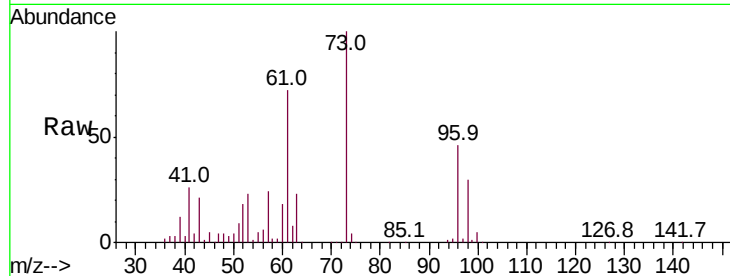
trans-1,2-Dichloroethene
Concen: 108.734 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.7	127.4	191.0
98	65.2	51.6	77.4

Manual Integrations
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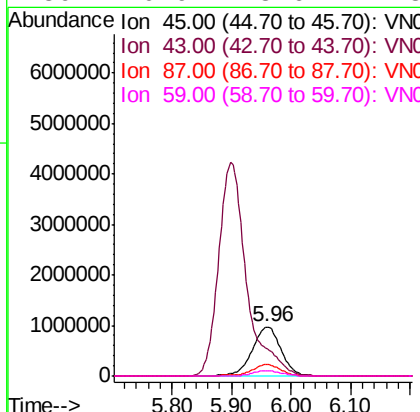
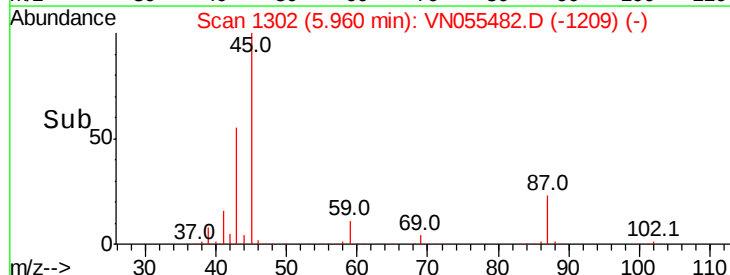
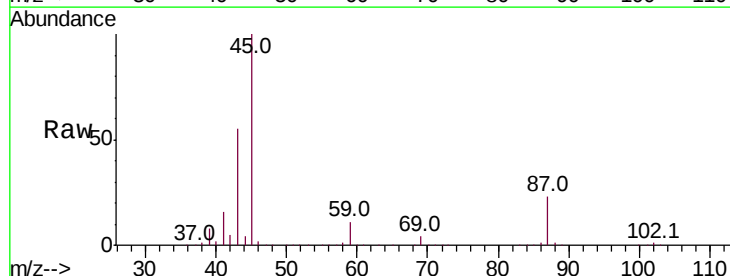
MMDadoda
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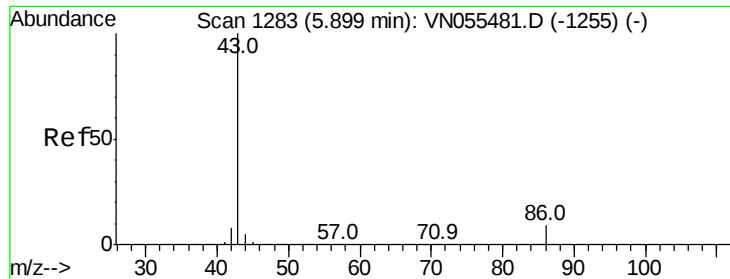


#22

Diisopropyl ether
Concen: 110.525 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.1	44.6	66.8
87	23.3	18.6	28.0
59	10.9	8.6	12.8





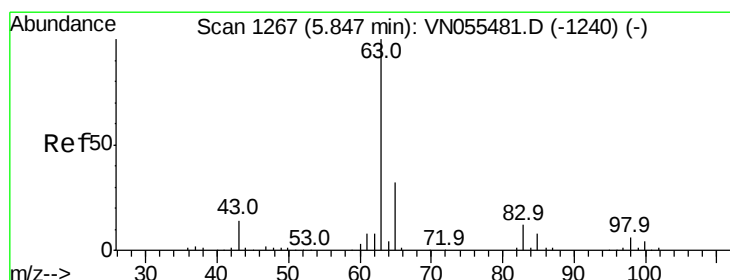
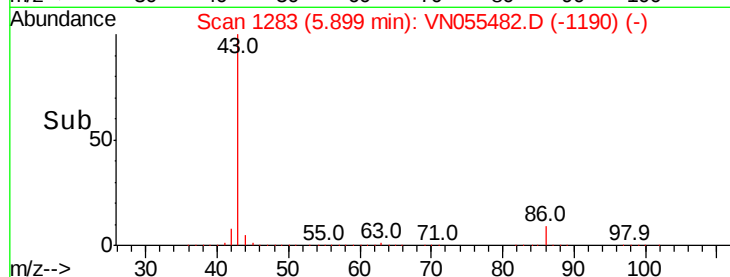
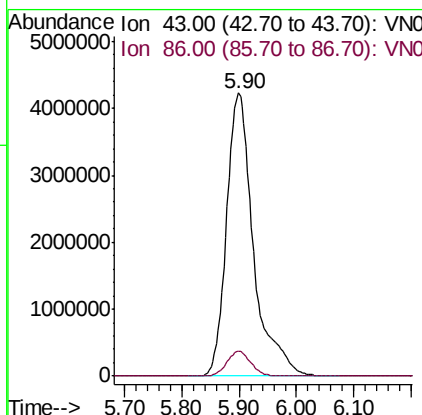
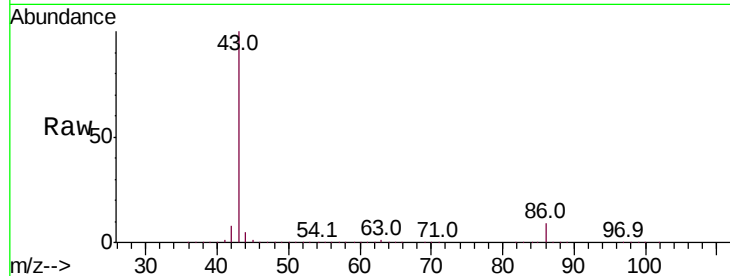
#23
 Vinyl Acetate
 Concen: 680.633 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN055482.D
 Acq: 8 May 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 13831545
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.1 10.7

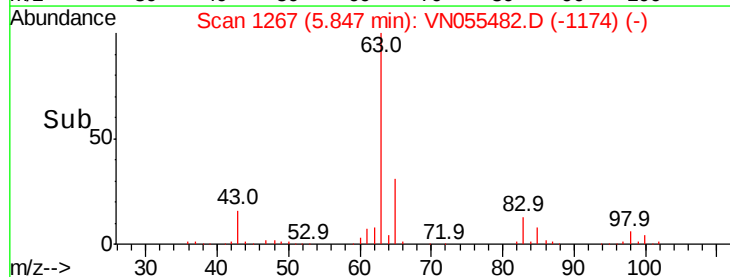
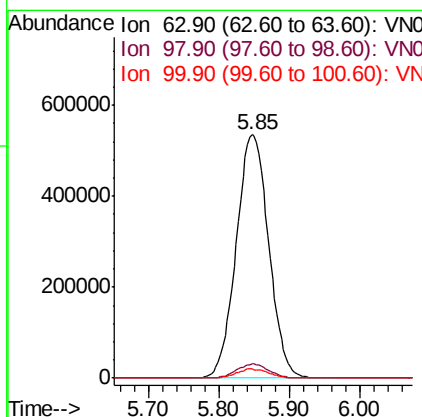
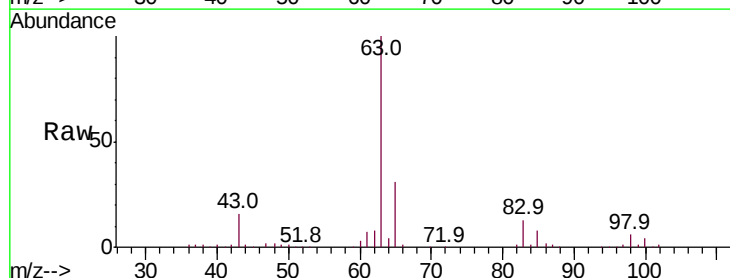
Manual Integrations
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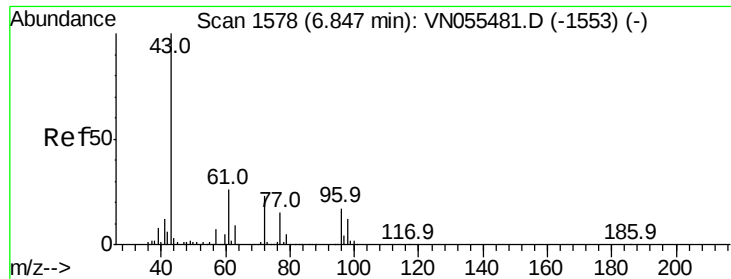
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 107.322 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN055482.D
 Acq: 8 May 2019 18:14

Tgt Ion: 63 Resp: 1717675
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.0
 100 3.6 1.9 5.7





#25

2-Butanone

Concen: 828.474 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 3585540

Ion Ratio Lower Upper

43 100

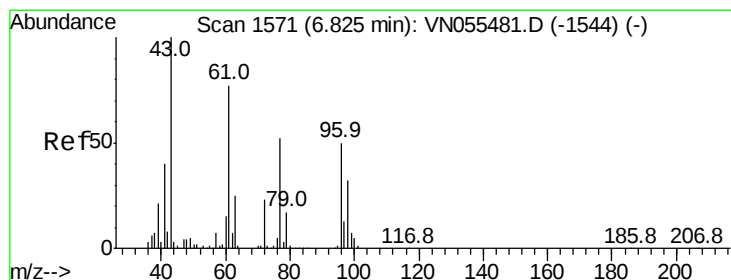
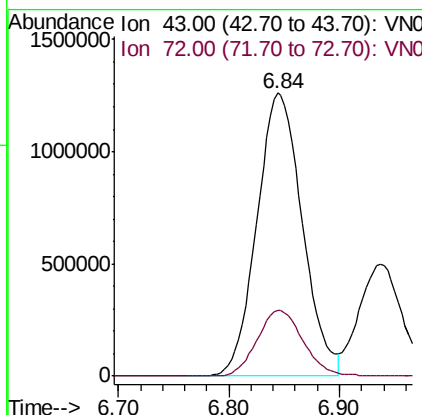
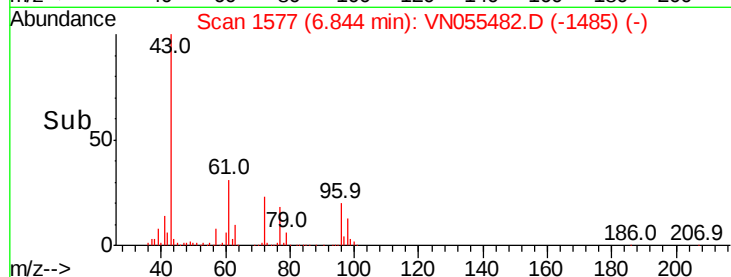
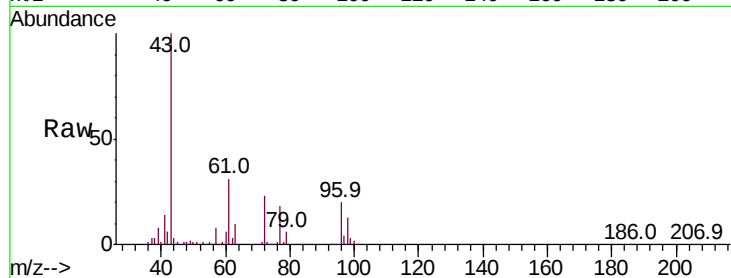
72 23.4 18.6 27.8

Manual Integrations

APPROVED

MMDadoda

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#26

2,2-Dichloropropane

Concen: 101.872 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055482.D

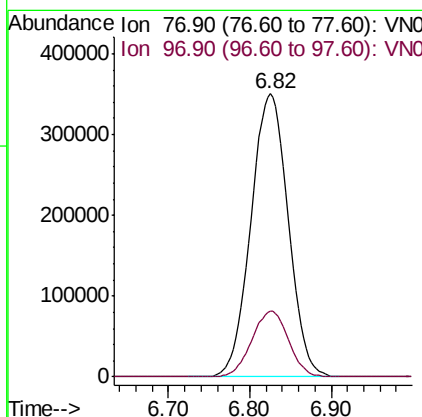
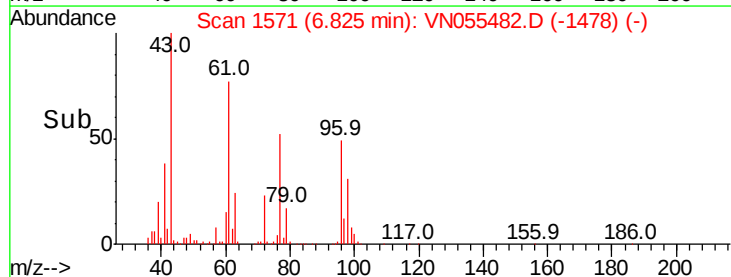
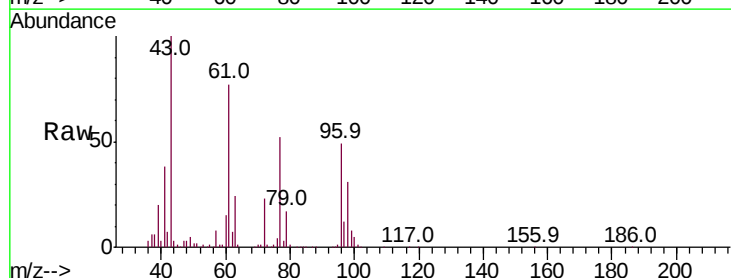
Acq: 8 May 2019 18:14

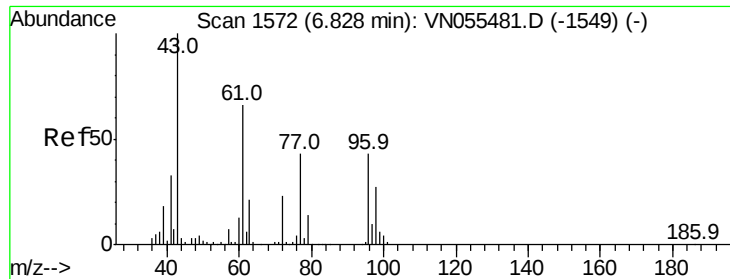
Tgt Ion: 77 Resp: 1109998

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 110.178 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

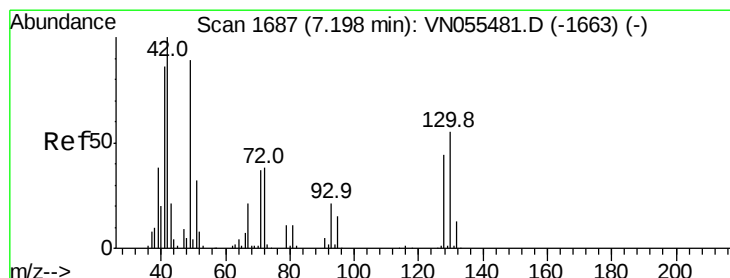
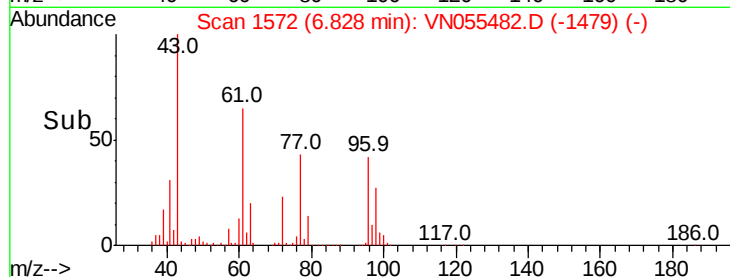
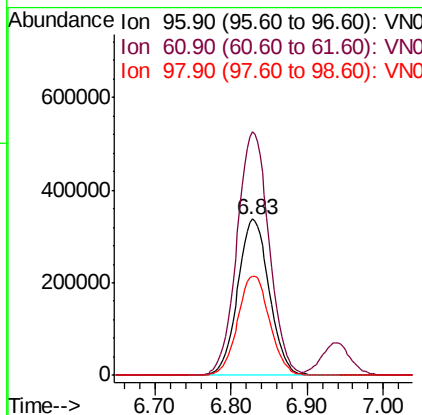
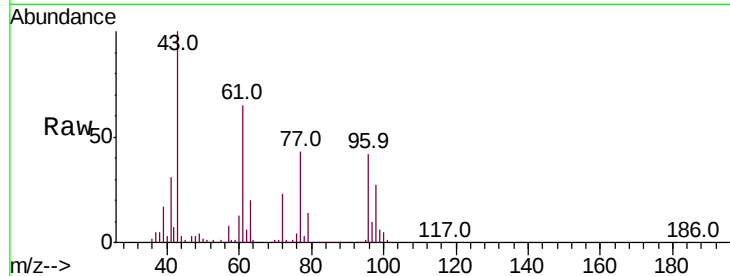
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	971701
Ion Ratio	Lower	Upper	
96	100		
61	158.7	0.0	310.8
98	64.6	0.0	129.4

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#28

Bromochloromethane

Concen: 111.632 ug/l

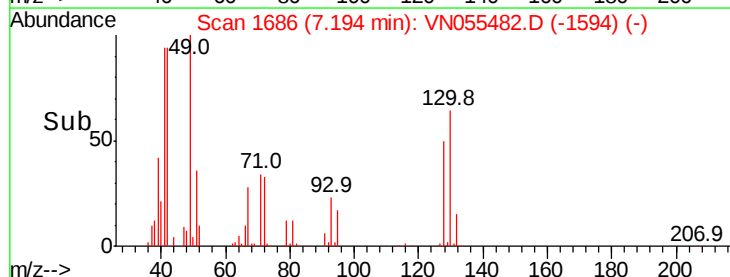
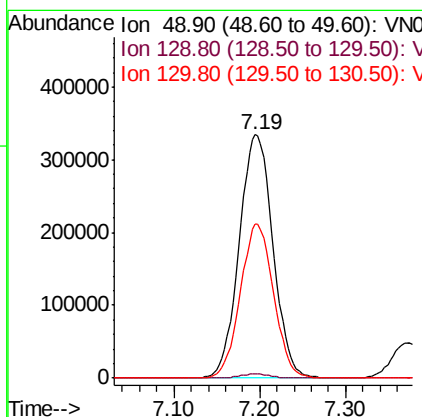
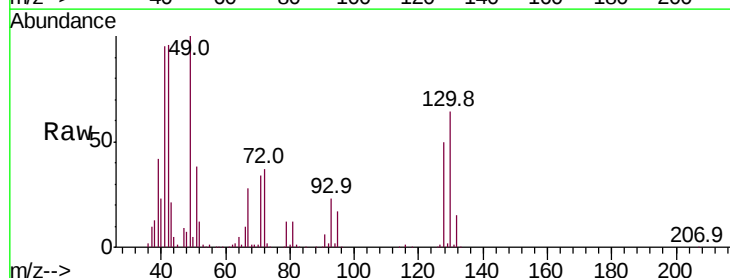
RT: 7.19 min Scan# 1686

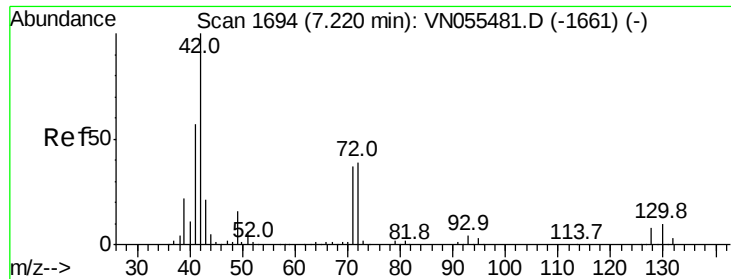
Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Tgt Ion:	49	Resp:	910993
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.2
130	62.4	49.5	74.3





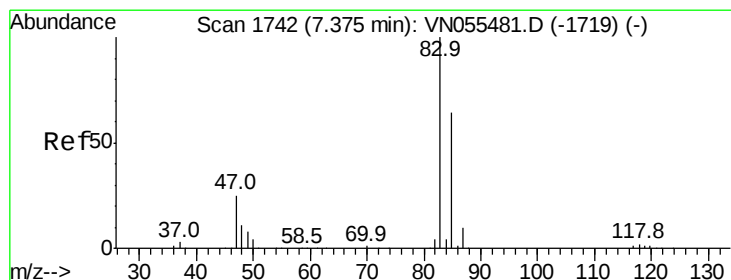
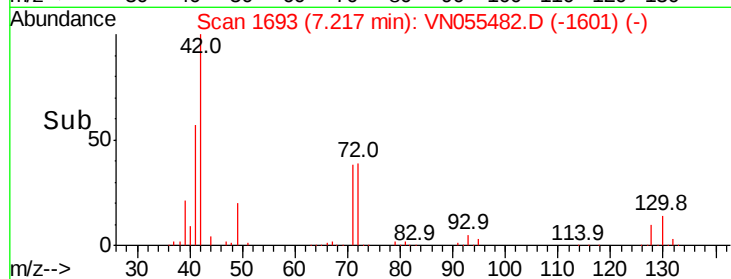
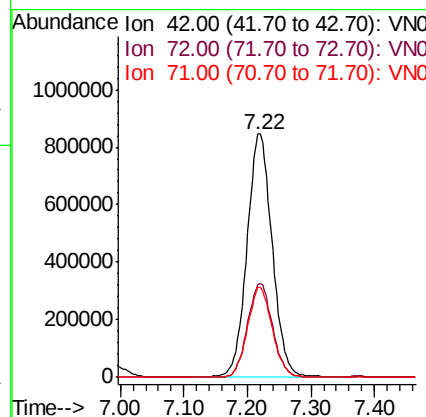
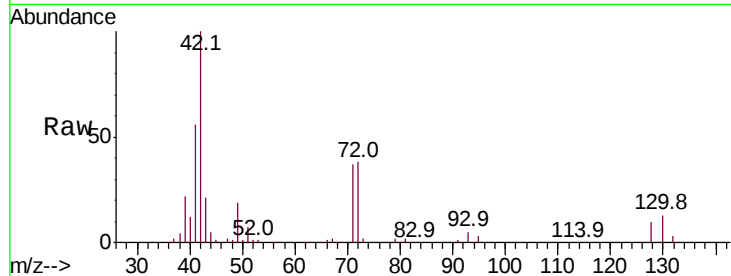
#29
Tetrahydrofuran
Concen: 839.331 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	31.0	46.6
71	36.4	29.4	44.2

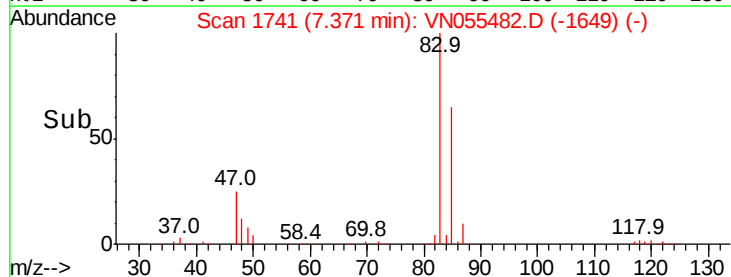
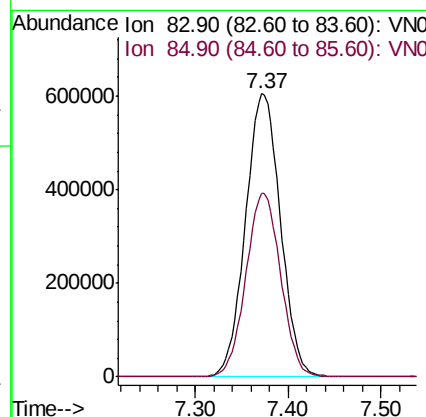
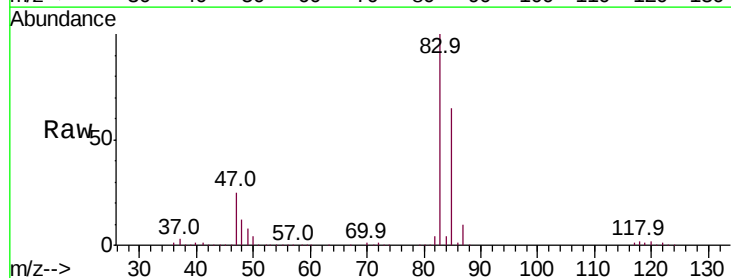
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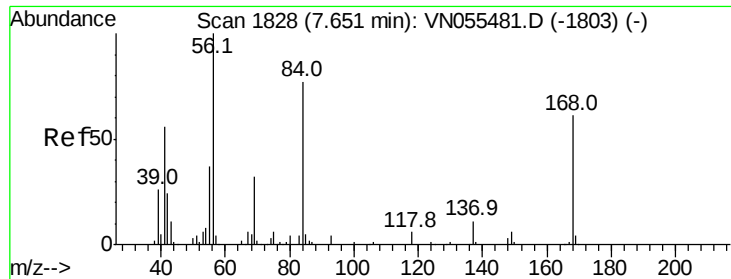
MMDadoda
5/9/2019 6:33:02 PM



#30
Chloroform
Concen: 104.702 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.3	76.9





#31

Cyclohexane

Concen: 107.291 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 1646929

Ion Ratio Lower Upper

56 100

69 30.2 26.0 39.0

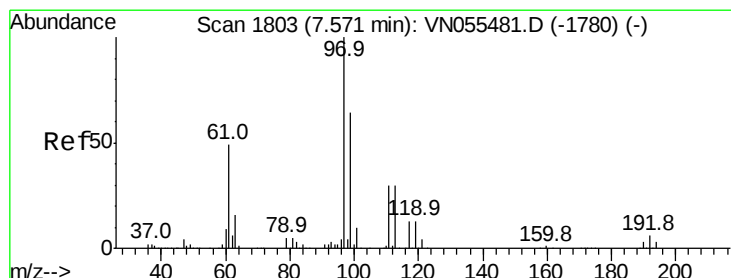
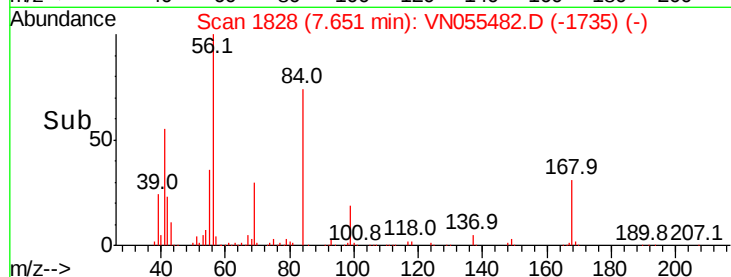
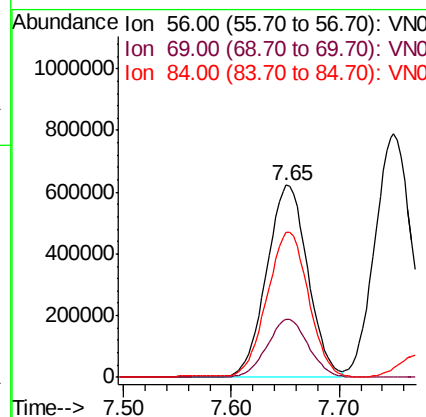
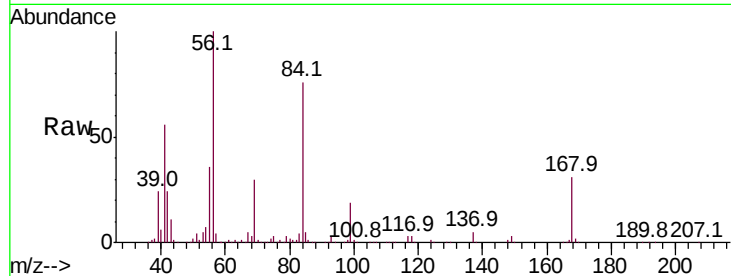
84 74.6 61.9 92.9

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 102.228 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

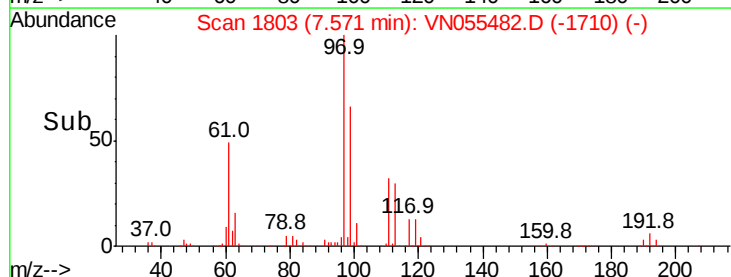
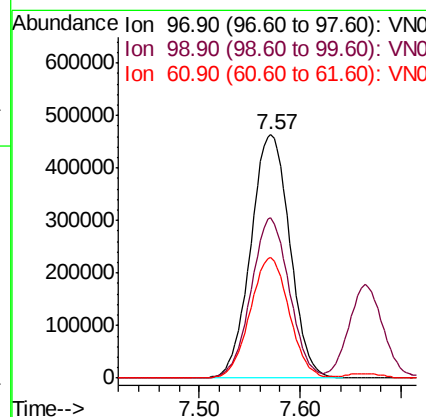
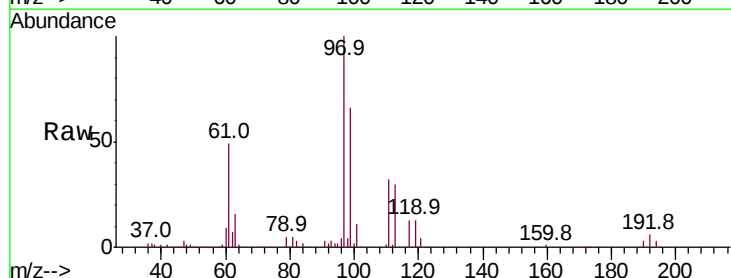
Tgt Ion: 97 Resp: 1243214

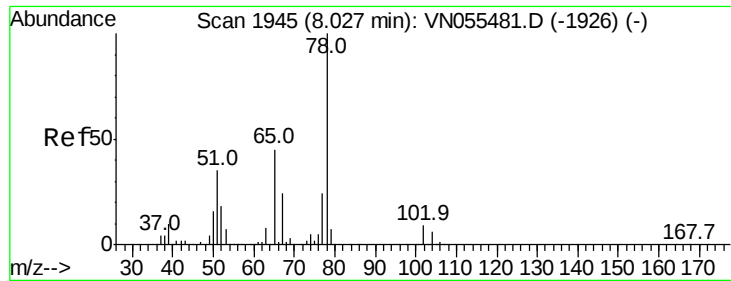
Ion Ratio Lower Upper

97 100

99 64.5 51.2 76.8

61 49.4 39.2 58.8





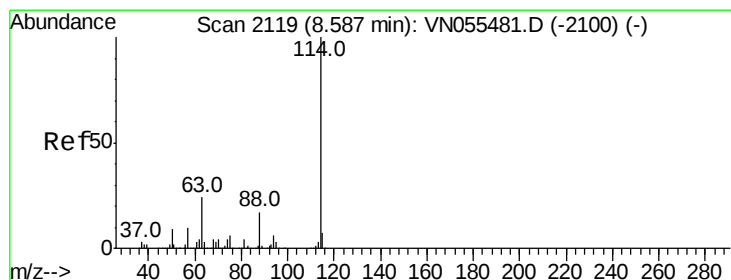
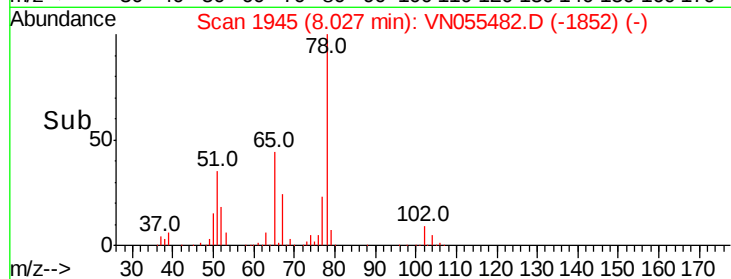
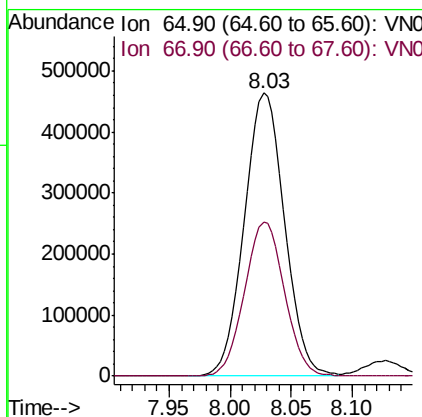
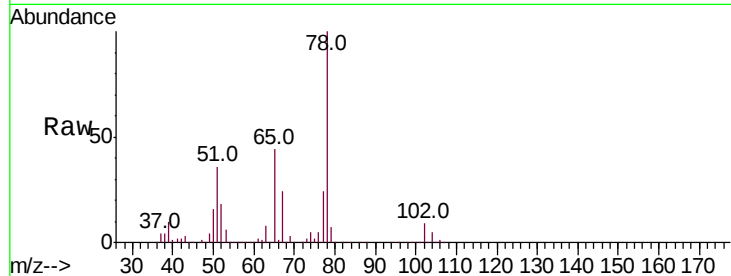
#33
 1,2-Dichloroethane-d4
 Concen: 108.531 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055482.D
 Acq: 8 May 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	109.6

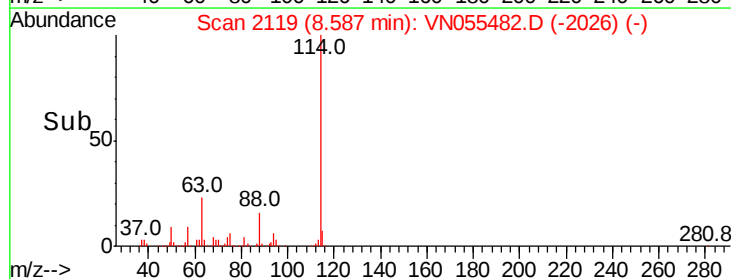
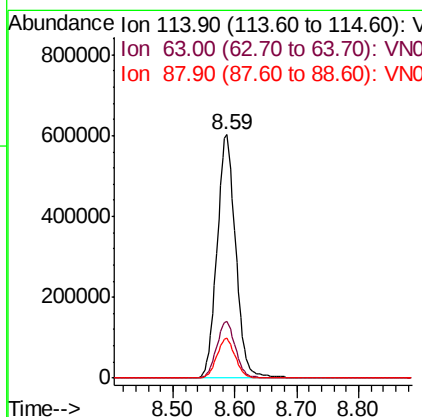
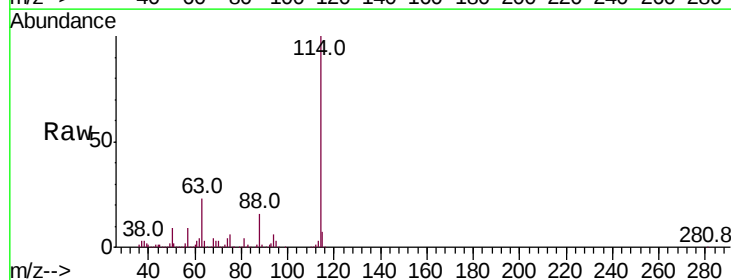
Manual Integrations
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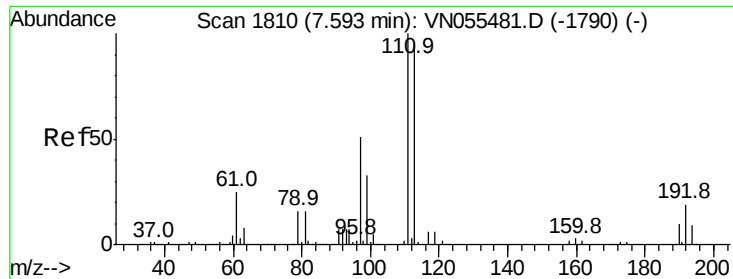
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 5/9/2019 6:33:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055482.D
 Acq: 8 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	47.4
88	16.2	0.0	34.0





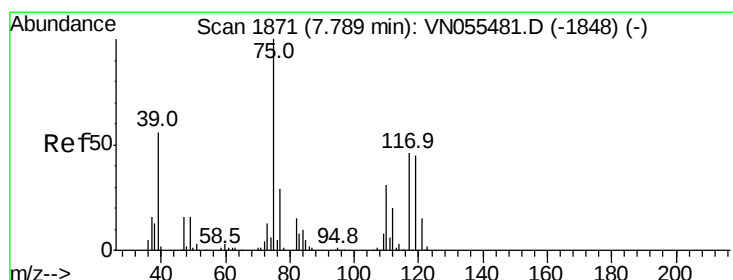
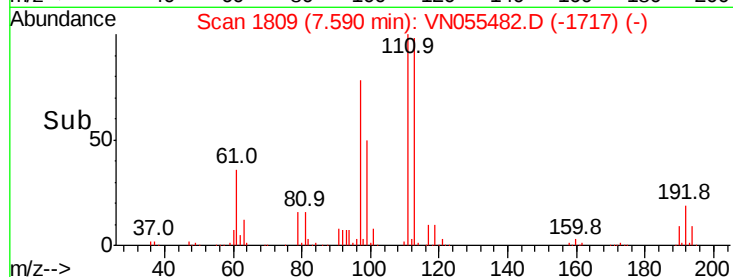
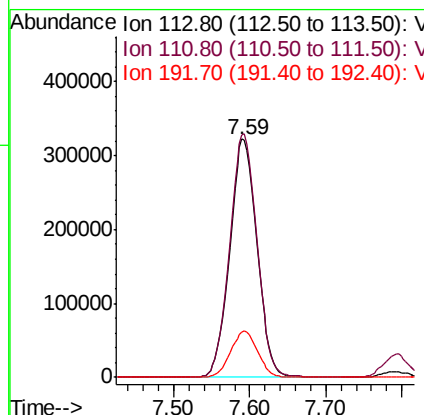
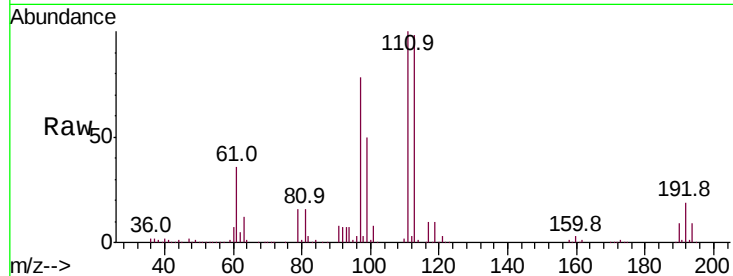
#35
 Dibromofluoromethane
 Concen: 96.745 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055482.D
 Acq: 8 May 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	19.4	15.6	23.4

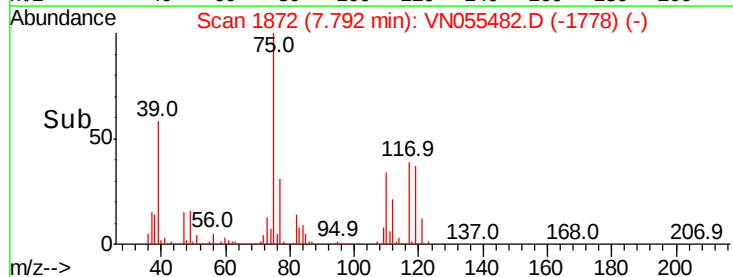
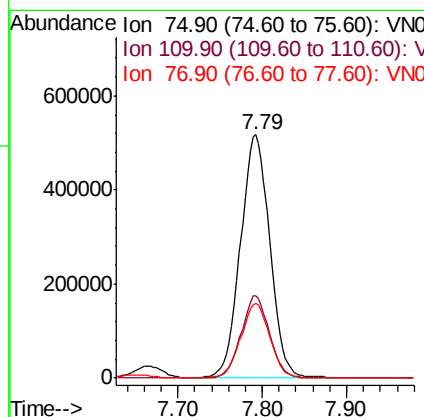
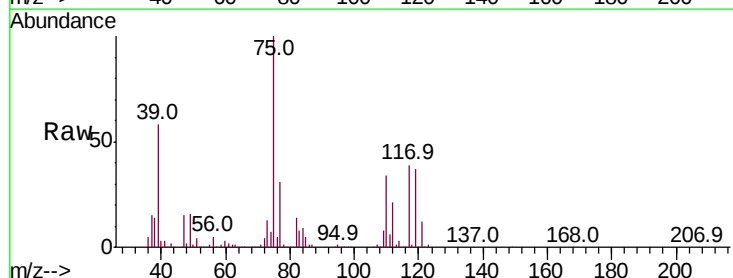
Manual Integrations
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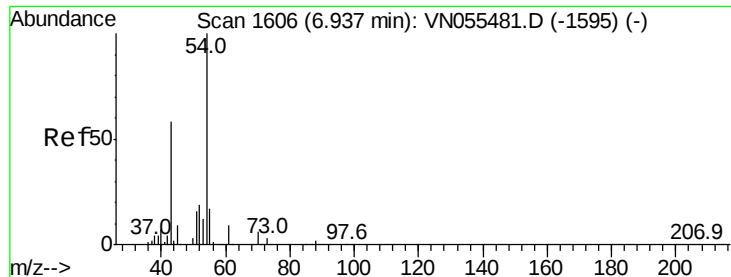
MMDadoda
 5/9/2019 6:33:02 PM



#36
 1,1-Dichloropropene
 Concen: 101.835 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055482.D
 Acq: 8 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.1	48.3
77	30.6	24.6	37.0





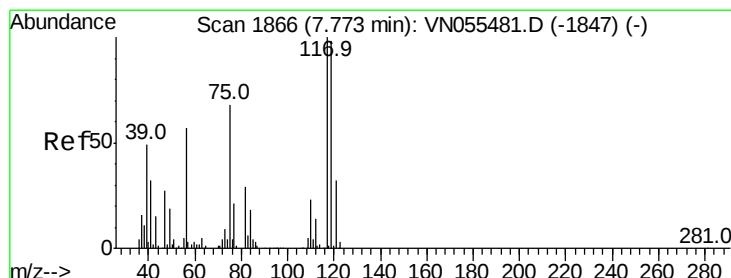
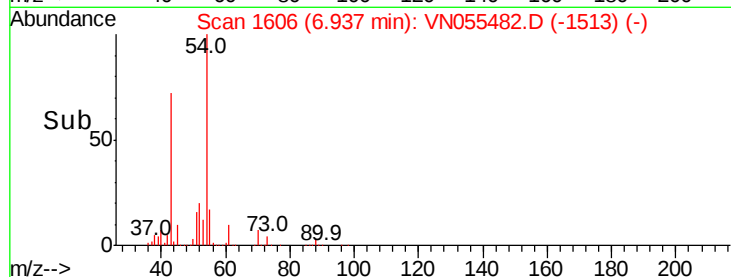
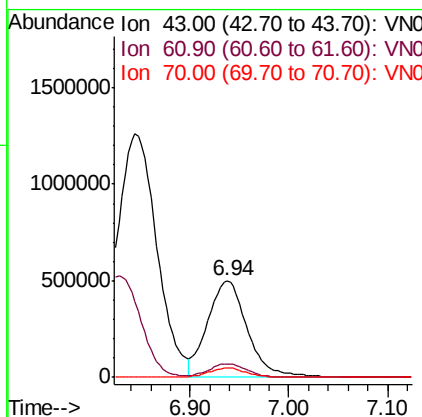
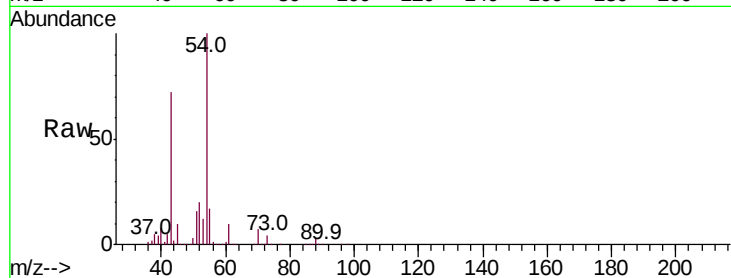
#37
Ethyl Acetate
Concen: 136.886 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.9	16.3
70	9.3	7.0	10.6

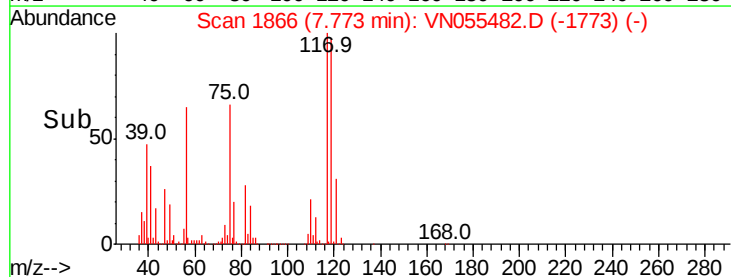
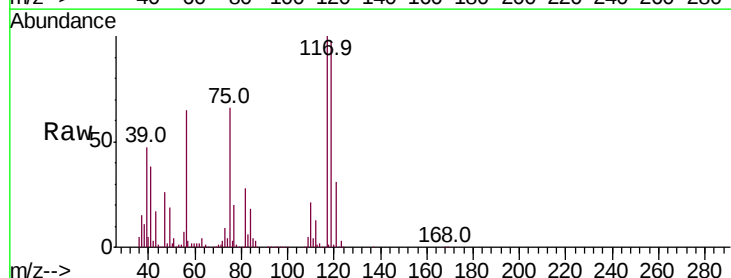
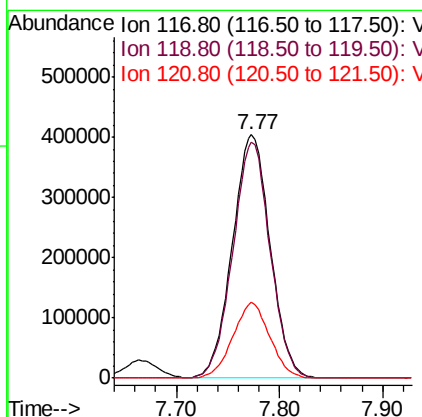
Manual Integrations
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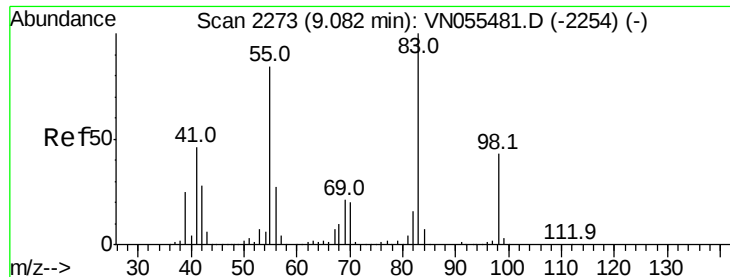
MMDadoda
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#38
Carbon Tetrachloride
Concen: 89.189 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.8	116.6
121	31.1	25.2	37.8





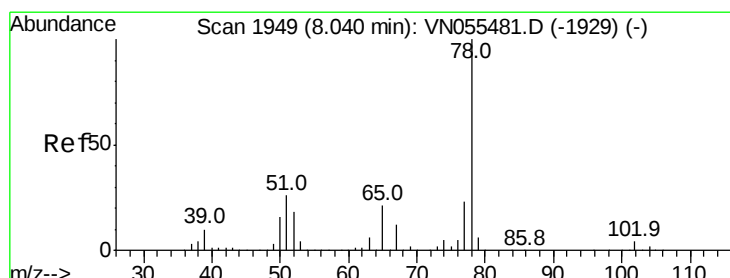
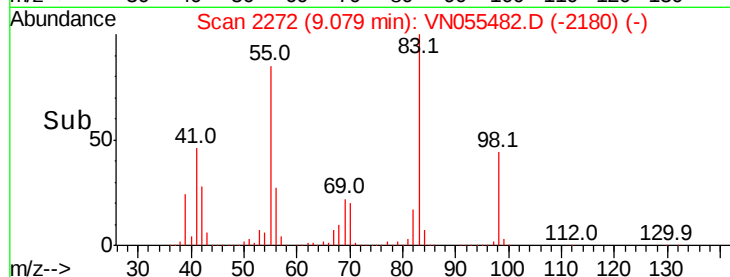
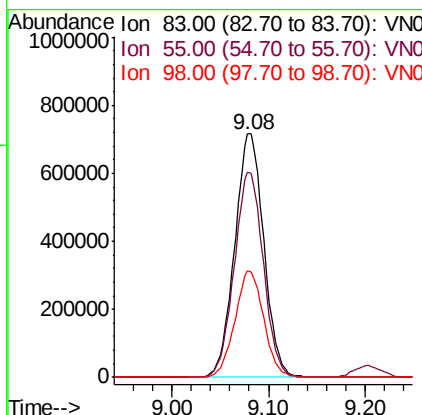
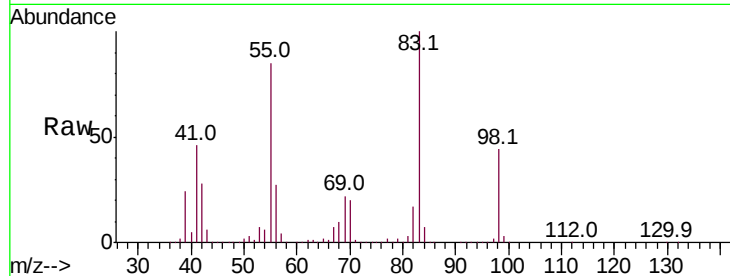
#39
Methvlcvclohexane
Concen: 112.840 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 83 Resp: 1492266
Ion Ratio Lower Upper
83 100
55 84.5 67.0 100.4
98 43.7 34.2 51.4

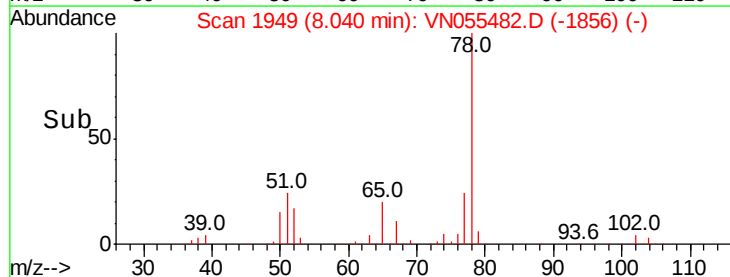
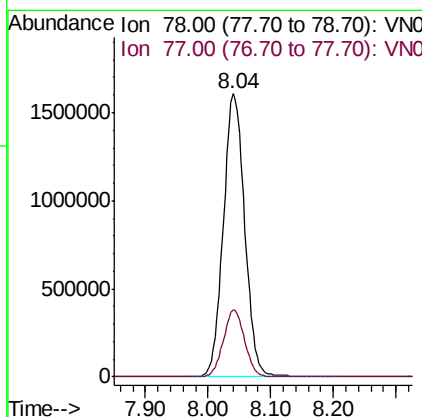
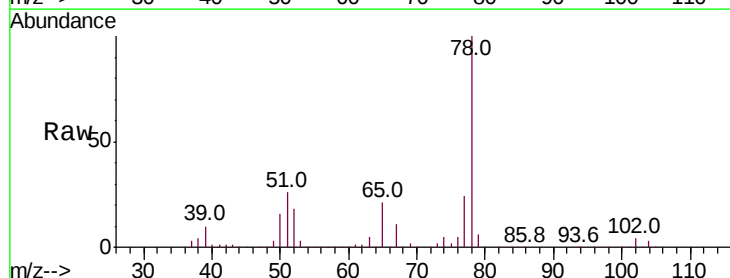
Manual Integrations
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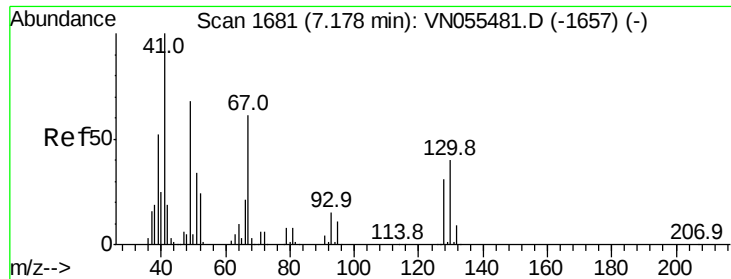
MMDadoda
5/9/2019 6:33:02 PM



#40
Benzene
Concen: 104.724 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion: 78 Resp: 3798630
Ion Ratio Lower Upper
78 100
77 23.8 18.6 27.8





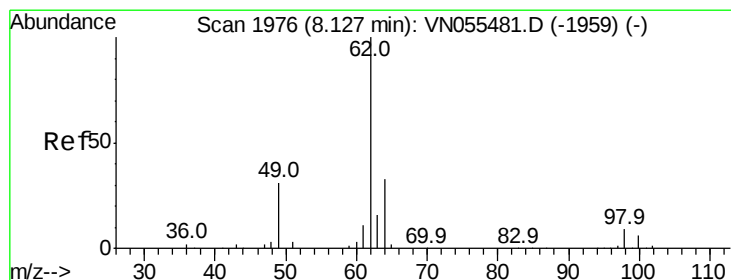
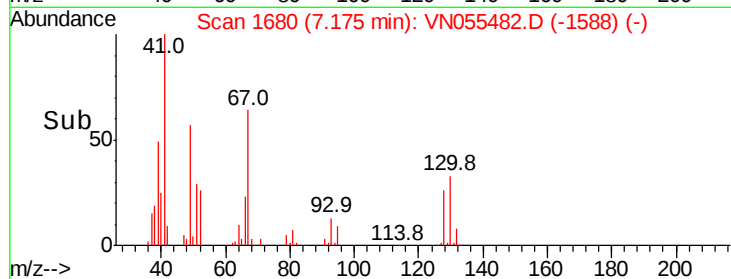
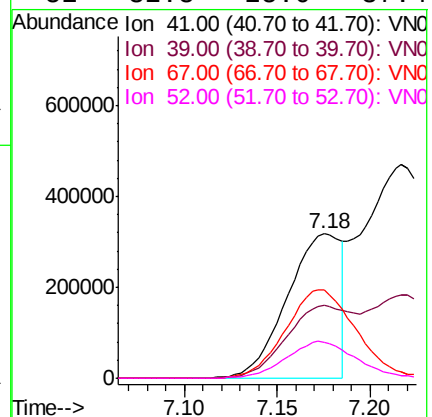
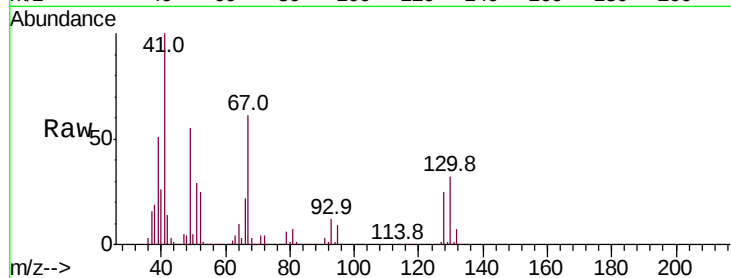
#41
Methacrylonitrile
Concen: 123.028 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	64.0	44.7	67.1	
67	80.4	61.4	92.0	
52	32.8	25.0	37.4	

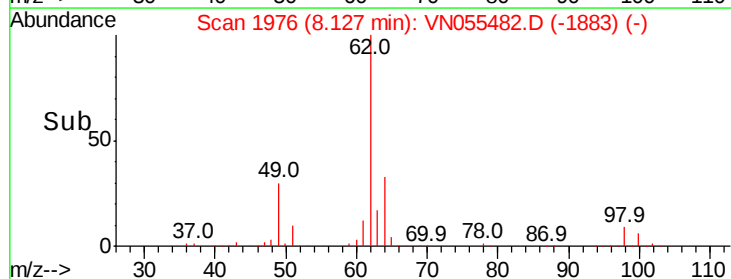
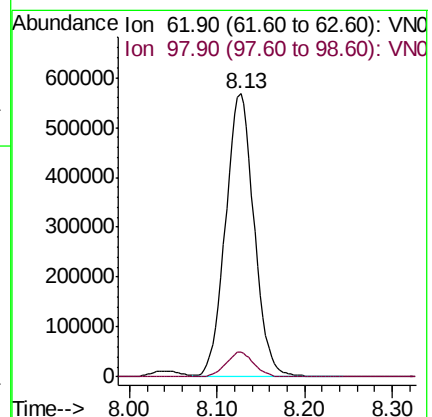
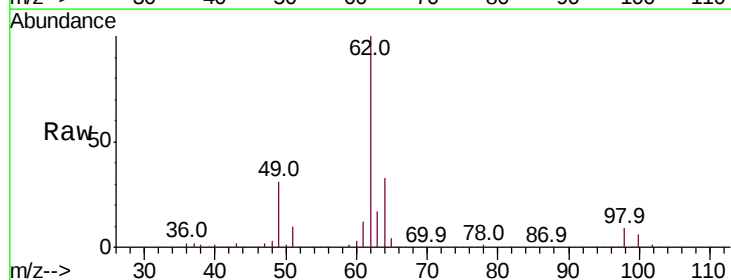
Manual Integrations
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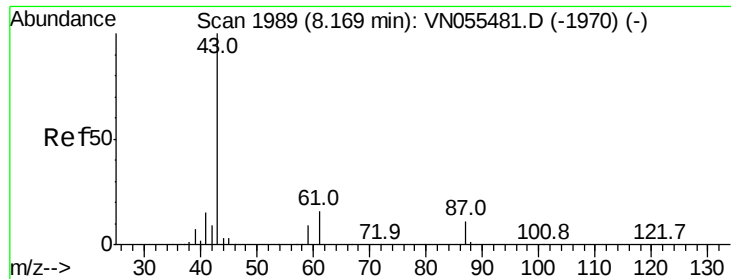
MMDadoda
5/9/2019 6:33:02 PM



#42
1,2-Dichloroethane
Concen: 100.351 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.4	





#43

Isopropyl Acetate

Concen: 137.659 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2201137

Ion Ratio Lower Upper

43 100

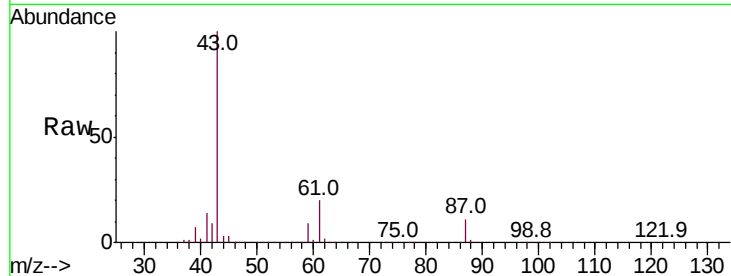
61 20.0 15.1 22.7

87 11.5 9.0 13.6

Manual Integrations
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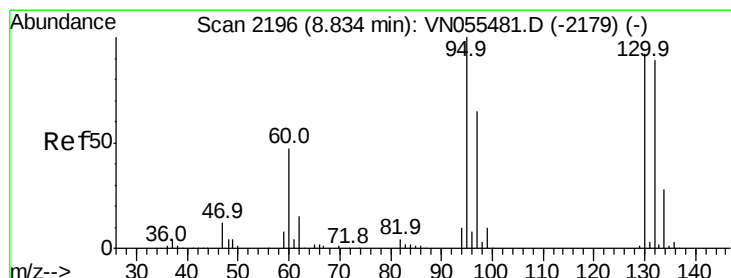
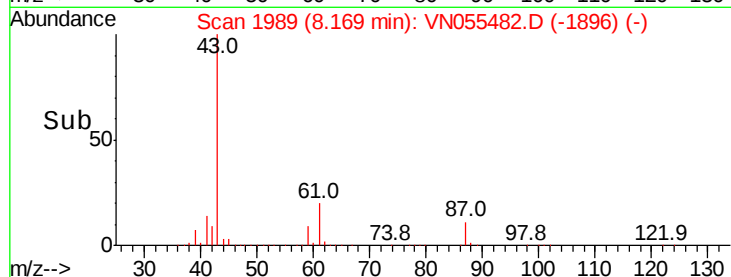
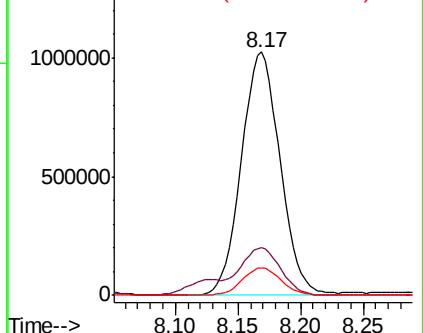
5/9/2019 6:33:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 95.963 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055482.D

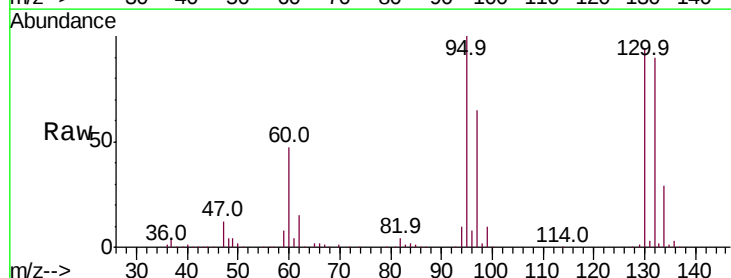
Acq: 8 May 2019 18:14

Tgt Ion:130 Resp: 876580

Ion Ratio Lower Upper

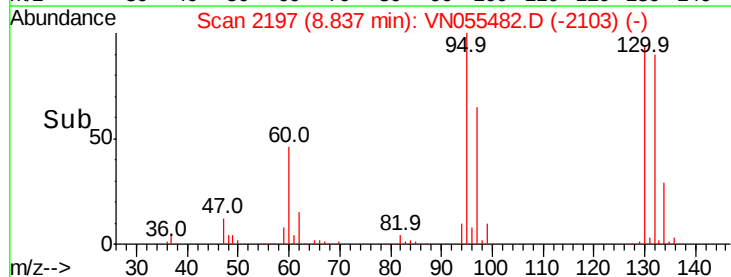
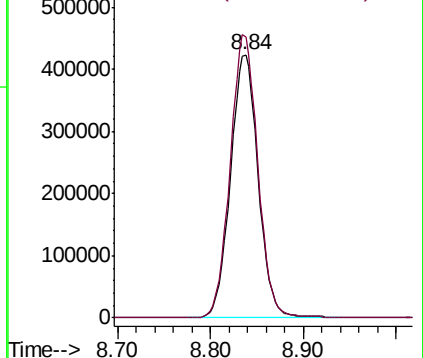
130 100

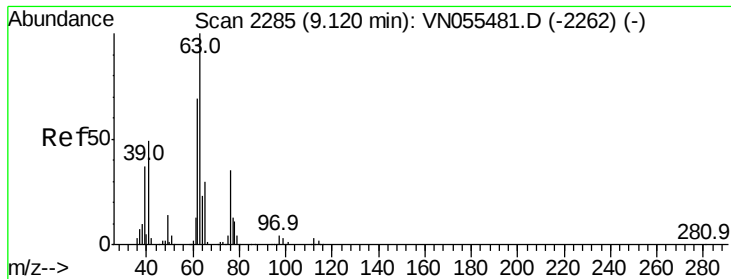
95 106.9 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 103.036 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1073968

Ion Ratio Lower Upper

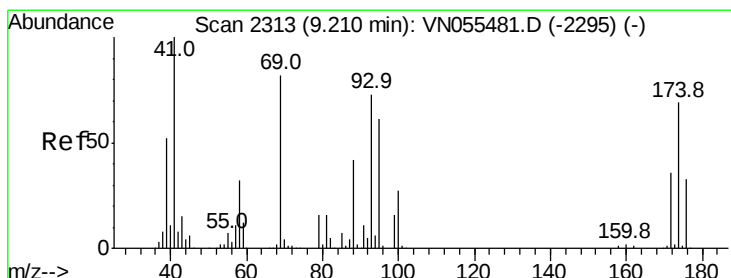
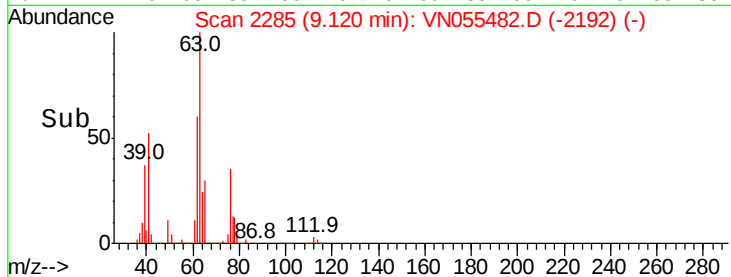
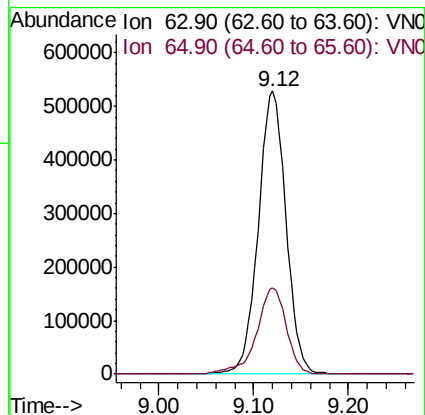
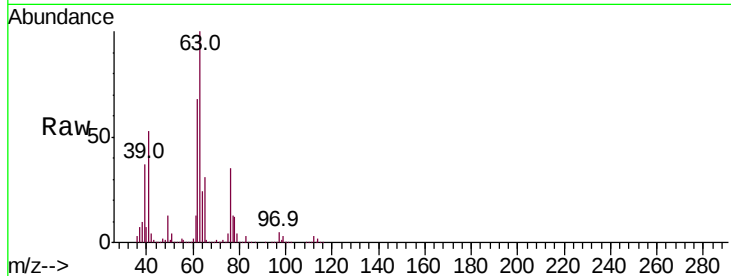
63 100

65 30.5 24.1 36.1

Manual Integrations
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MMDadoda

5/9/2019 6:33:02 PM



#46

Dibromomethane

Concen: 107.232 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

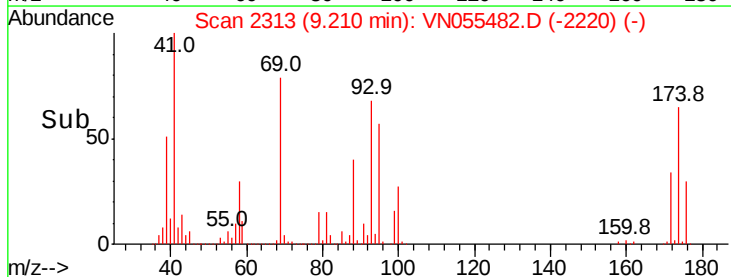
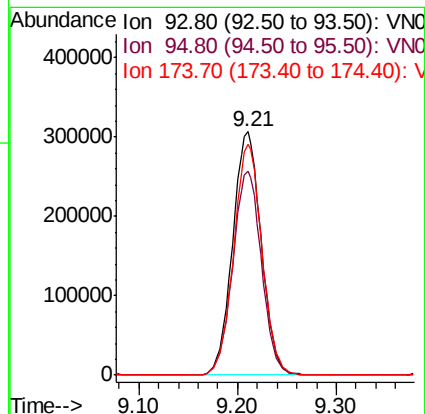
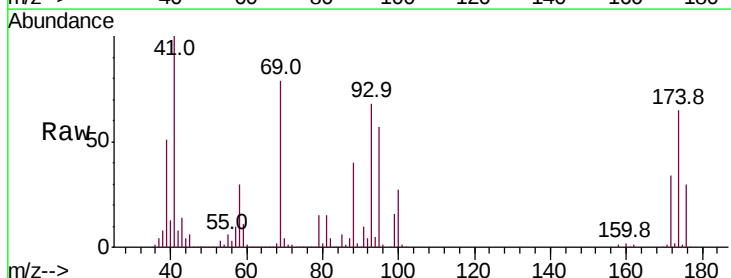
Tgt Ion: 93 Resp: 618255

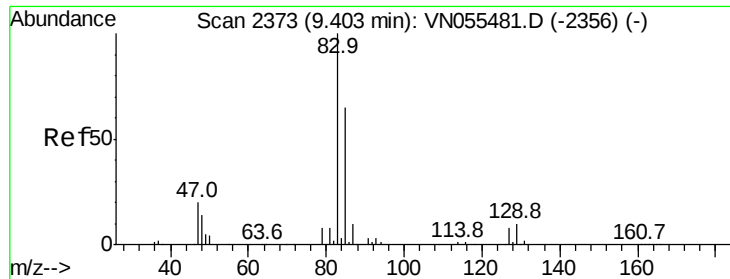
Ion Ratio Lower Upper

93 100

95 83.7 64.8 97.2

174 94.0 75.0 112.6





#47

Bromodichloromethane

Concen: 102.199 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1239760

Ion Ratio Lower Upper

83 100

85 64.5 52.2 78.2

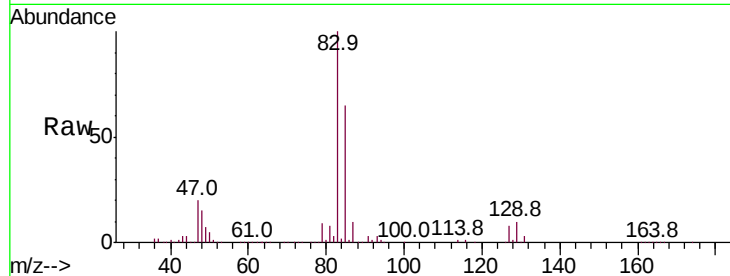
127 8.0 6.5 9.7

Manual Integrations

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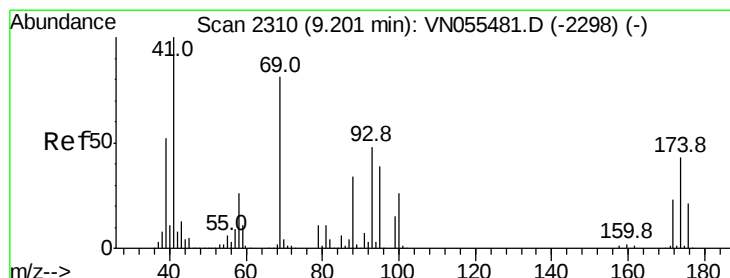
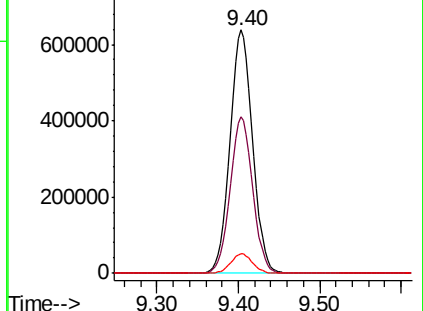
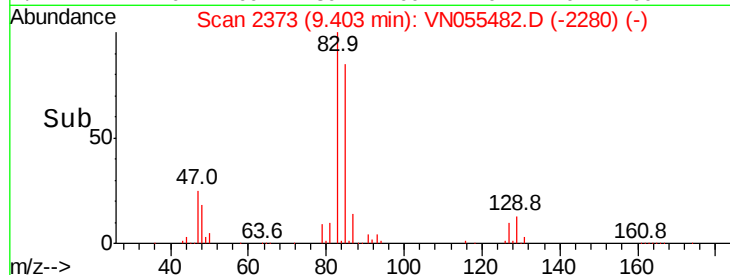
5/9/2019 6:33:02 PM



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: 137.833 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

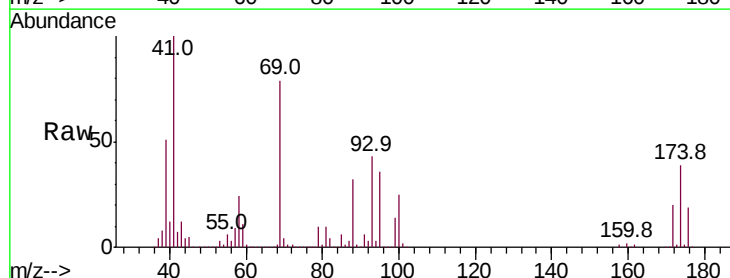
Tgt Ion: 41 Resp: 1077220

Ion Ratio Lower Upper

41 100

69 81.1 64.2 96.2

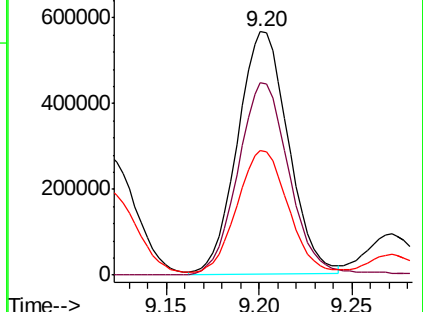
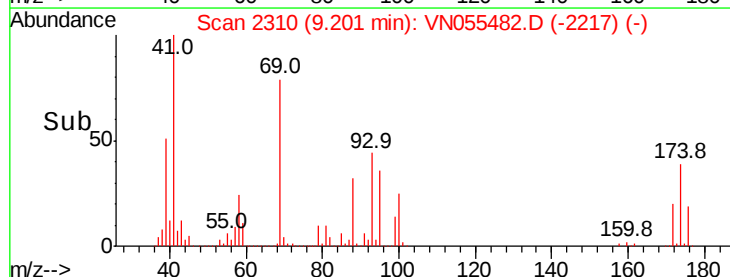
39 51.8 41.6 62.4

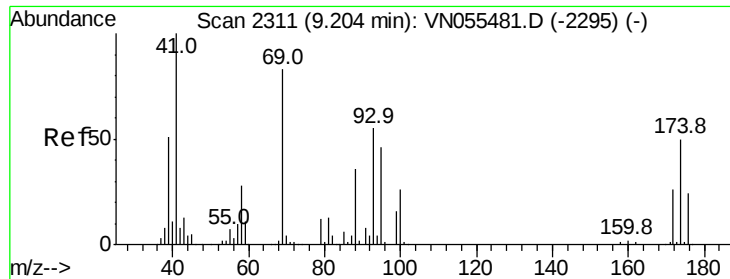


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





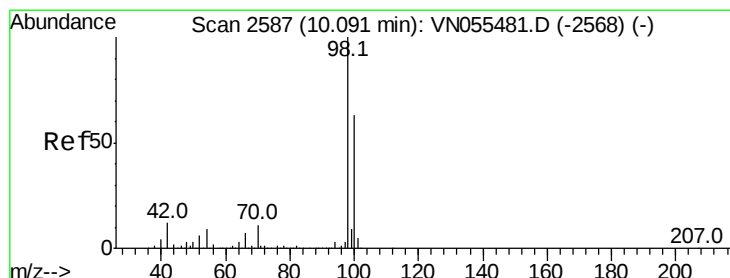
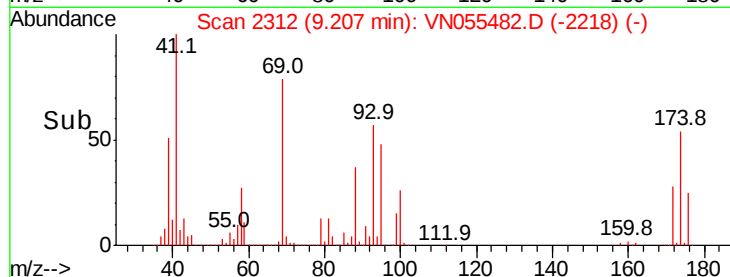
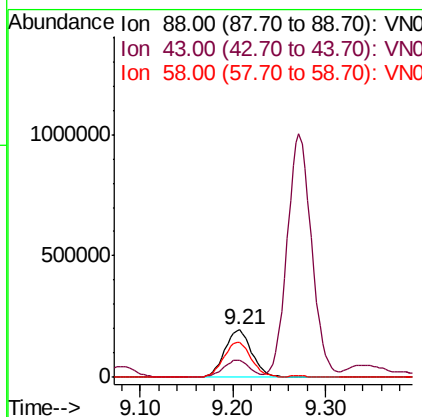
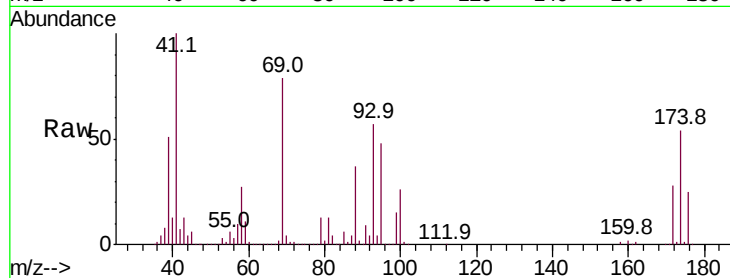
#49
1,4-Dioxane
Concen: 4149.262 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	27.8	41.8
58	74.8	61.8	92.6

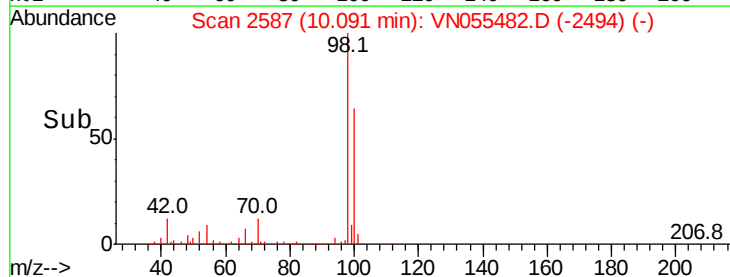
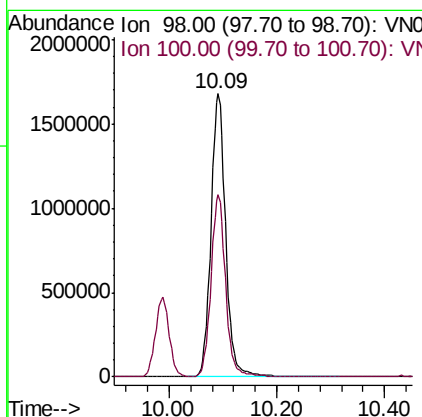
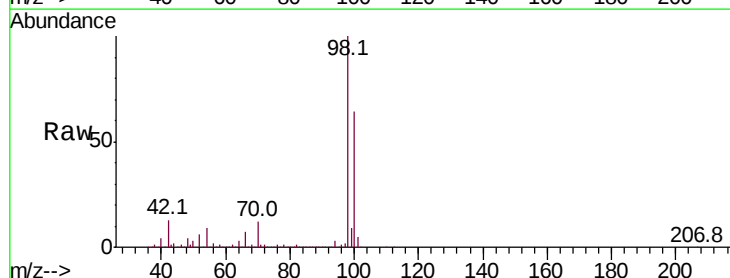
Manual Integrations
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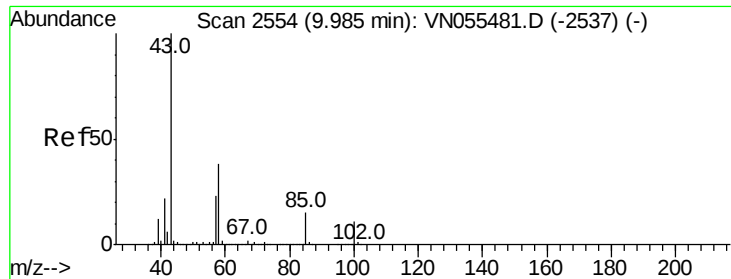
MMDadoda
5/9/2019 6:33:02 PM



#50
Toluene-d8
Concen: 104.419 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.4	75.6





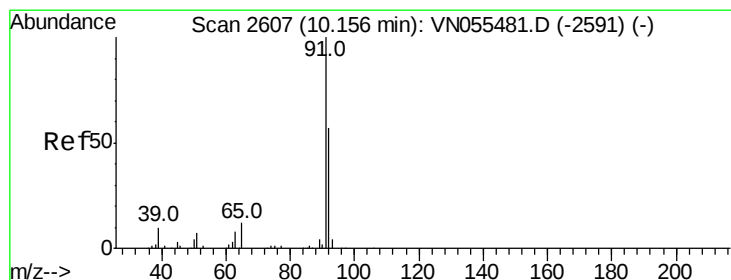
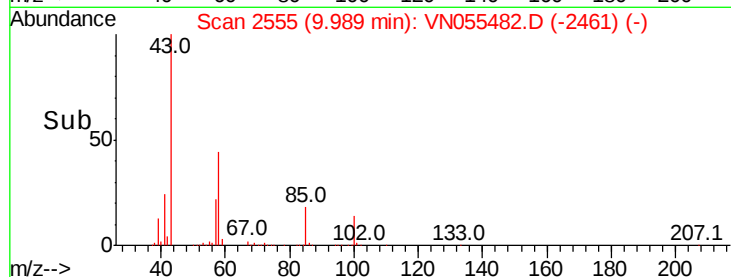
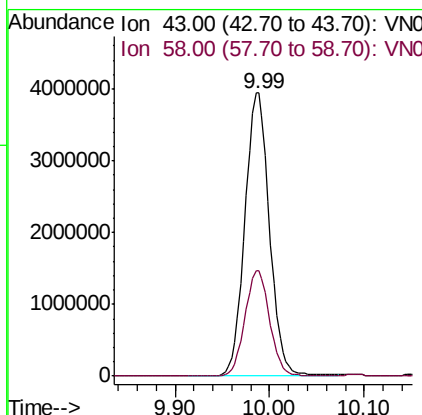
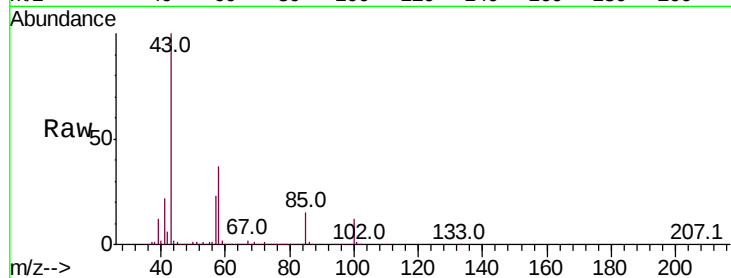
#51
4-Methyl-2-Pentanone
Concen: 763.311 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 7123092
Ion Ratio Lower Upper
43 100
58 37.5 29.9 44.9

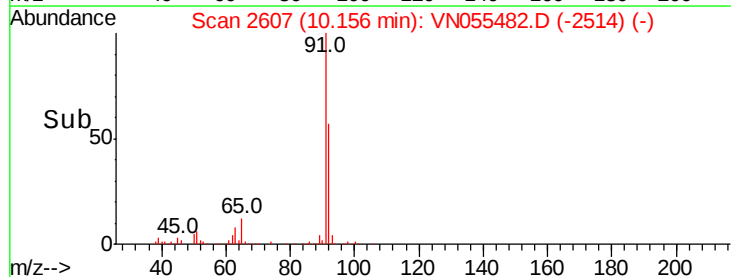
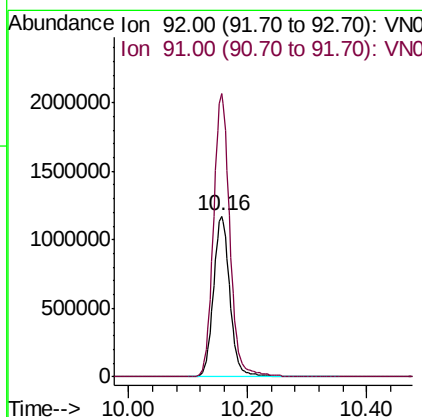
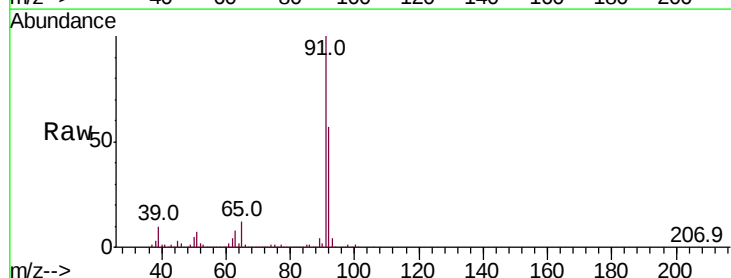
Manual Integrations
APPROVED

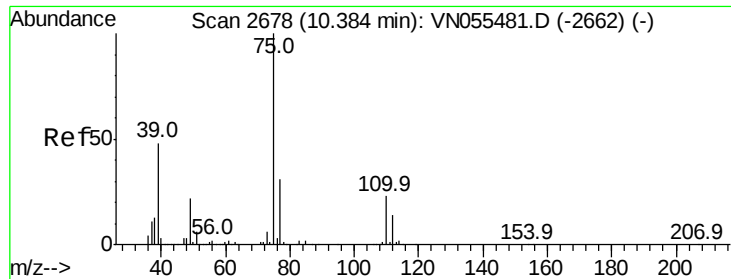
MMDadoda
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#52
Toluene
Concen: 107.590 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion: 92 Resp: 2241376
Ion Ratio Lower Upper
92 100
91 175.7 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 124.837 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 1336595

Ion Ratio Lower Upper

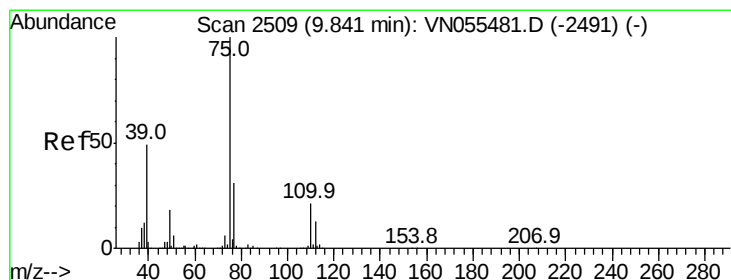
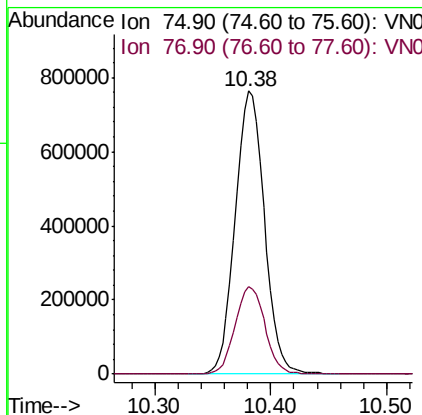
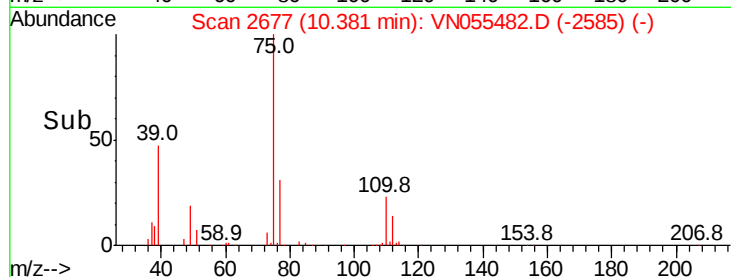
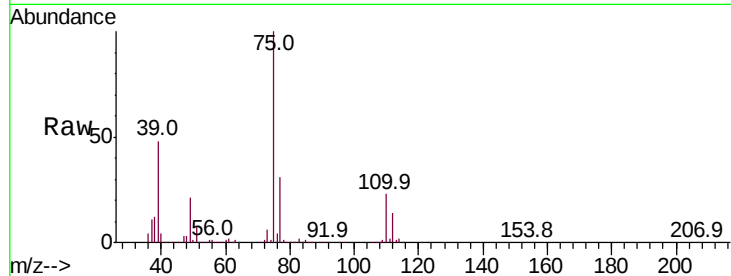
75 100

77 30.6 25.1 37.7

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 116.757 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

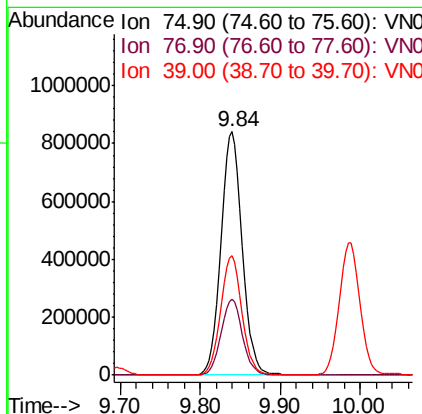
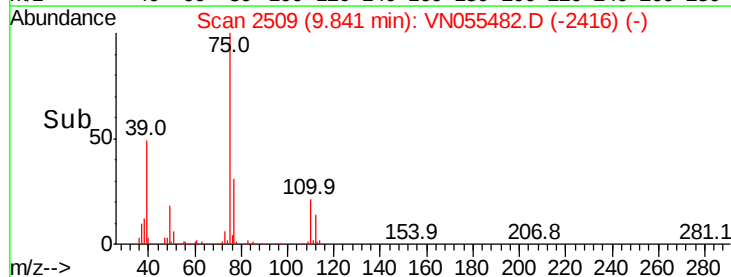
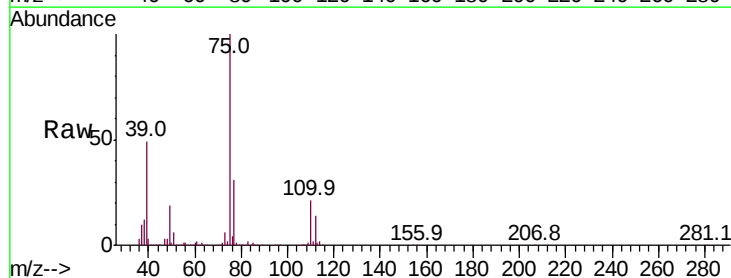
Tgt Ion: 75 Resp: 1547479

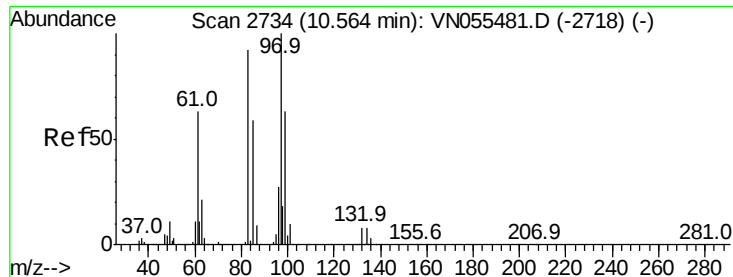
Ion Ratio Lower Upper

75 100

77 31.1 24.4 36.6

39 49.0 39.5 59.3





#55

1,1,2-Trichloroethane

Concen: 112.629 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

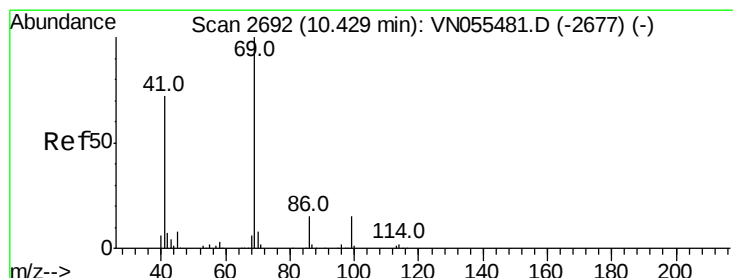
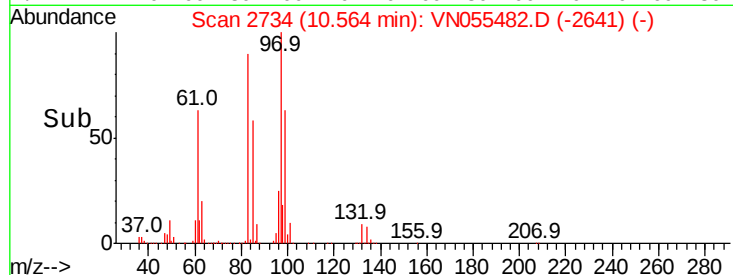
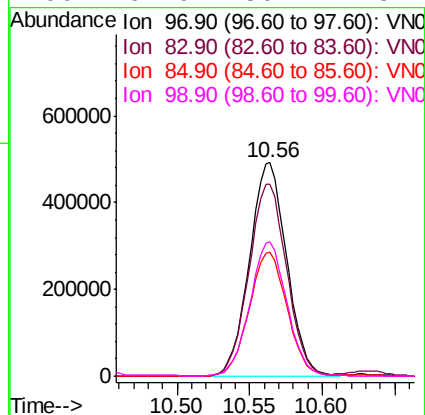
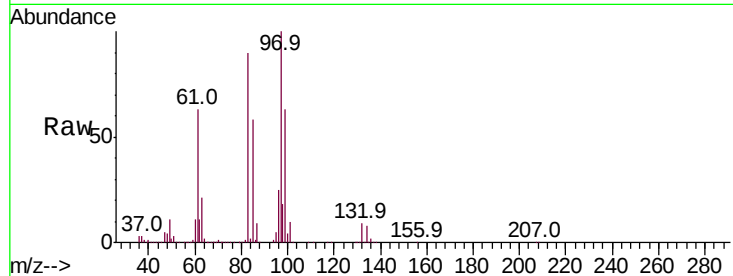
ClientSampled :

VSTDIC100

Tot Ion:	97	Resp:	881986
Ion	Ratio	Lower	Upper
97	100		
83	90.1	73.2	109.8
85	57.9	47.5	71.3
99	62.9	50.2	75.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 147.396 ug/l

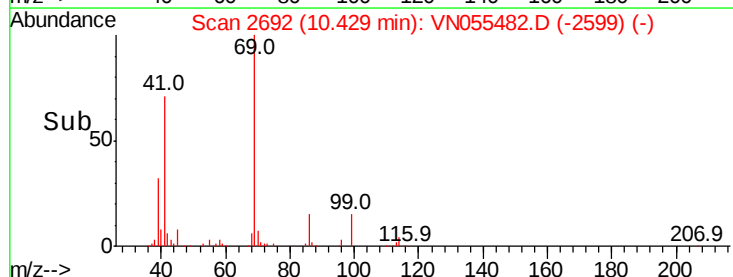
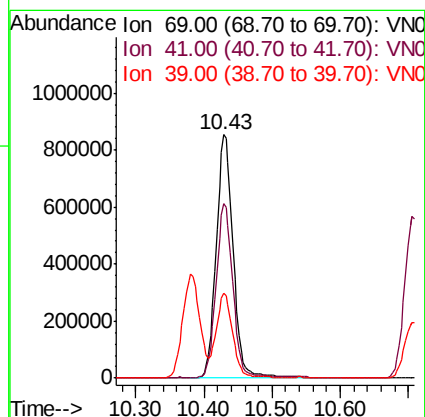
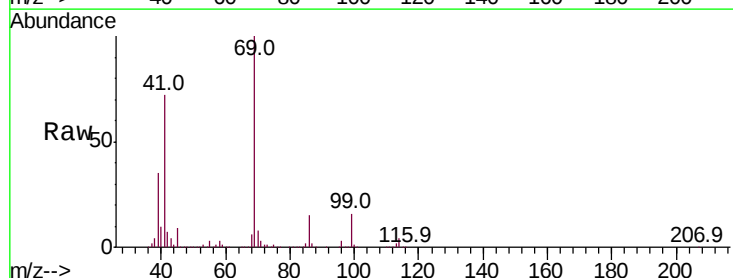
RT: 10.43 min Scan# 2692

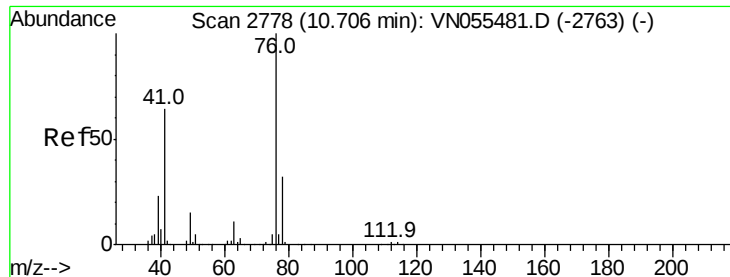
Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Tgt Ion:	69	Resp:	1476642
Ion	Ratio	Lower	Upper
69	100		
41	69.9	56.2	84.2
39	33.2	27.8	41.6





#57

1,3-Dichloropropane

Concen: 115.523 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1593157

Ion Ratio Lower Upper

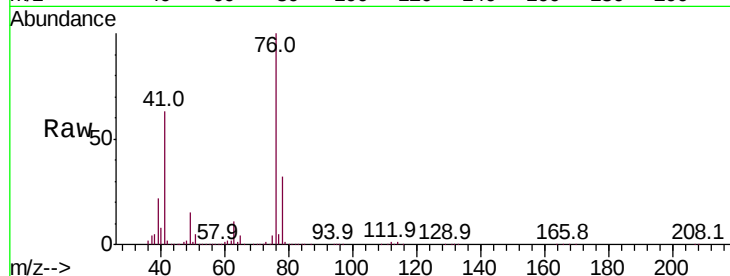
76 100

78 31.8 25.8 38.6

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

1000000

800000

600000

400000

200000

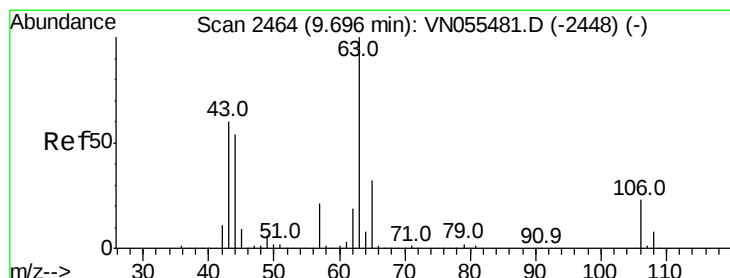
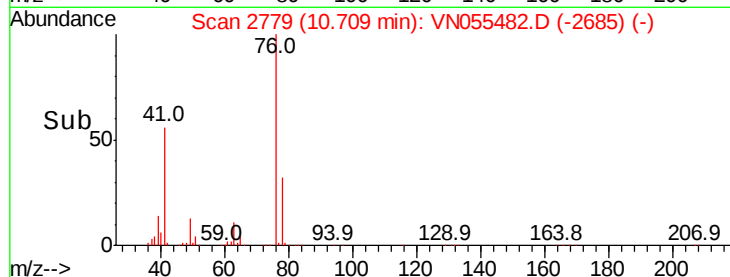
0

10.60

10.70

10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 857.255 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN055482.D

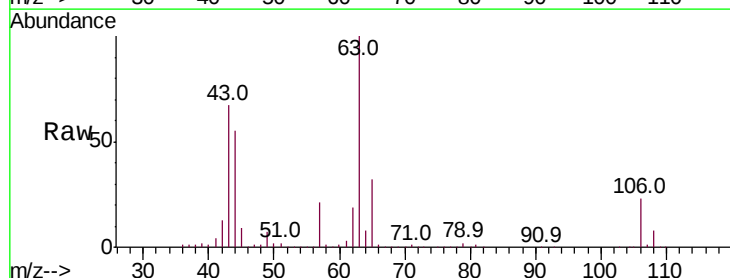
Acq: 8 May 2019 18:14

Tgt Ion: 63 Resp: 2330416

Ion Ratio Lower Upper

63 100

106 22.9 18.6 27.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

1500000

1000000

500000

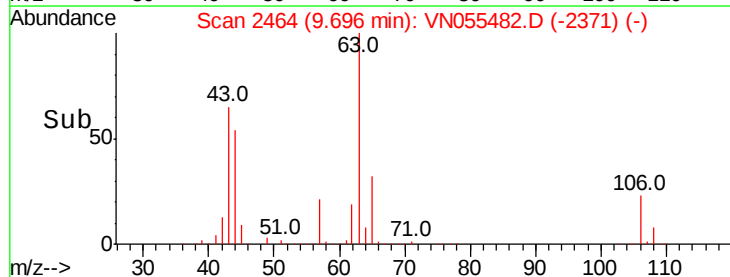
0

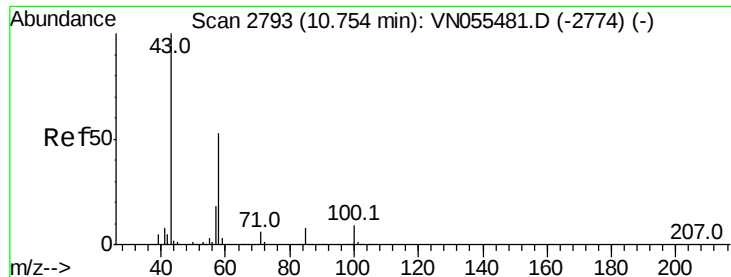
9.60

9.70

9.80

Time-->





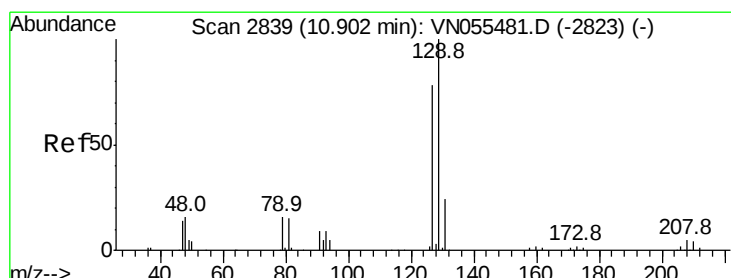
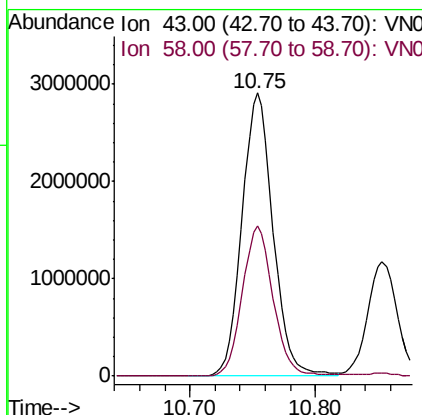
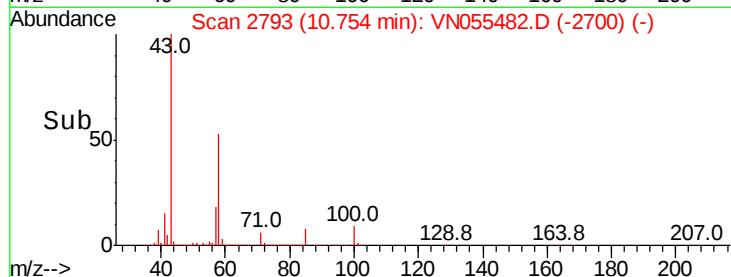
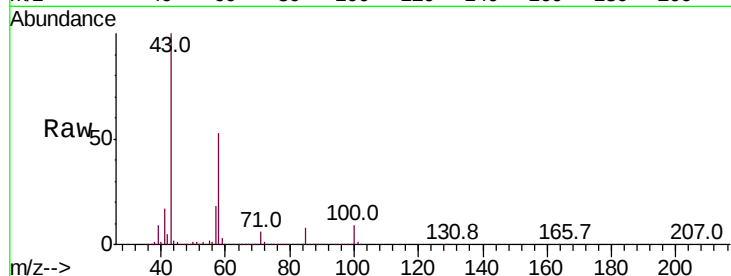
#59
2-Hexanone
Concen: 832.145 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 5005836
Ion Ratio Lower Upper
43 100
58 52.9 26.4 79.0

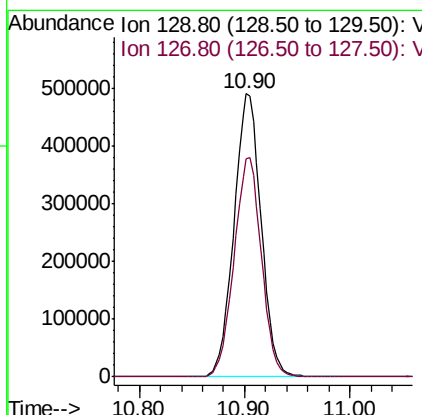
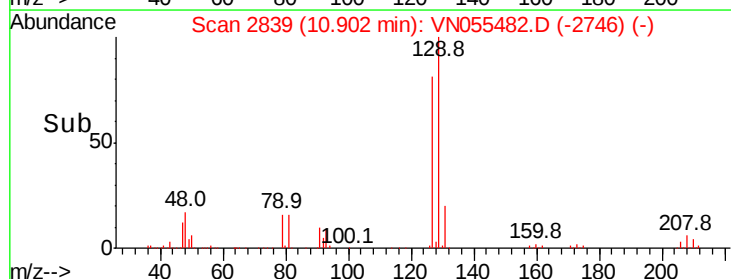
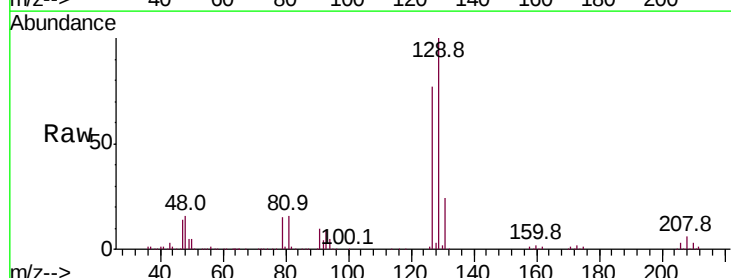
Manual Integrations
APPROVED

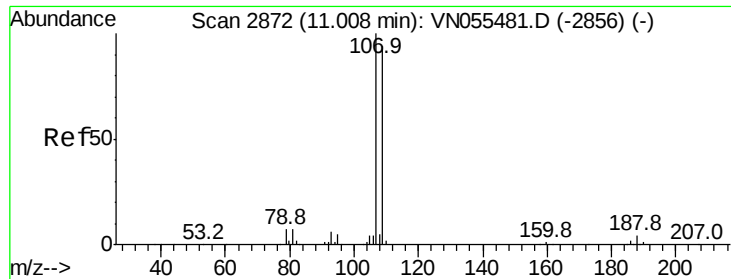
MMDadoda
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#60
Dibromochloromethane
Concen: 111.789 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion: 129 Resp: 875242
Ion Ratio Lower Upper
129 100
127 78.0 38.6 116.0





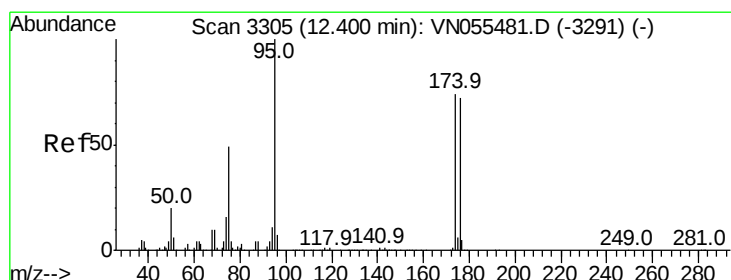
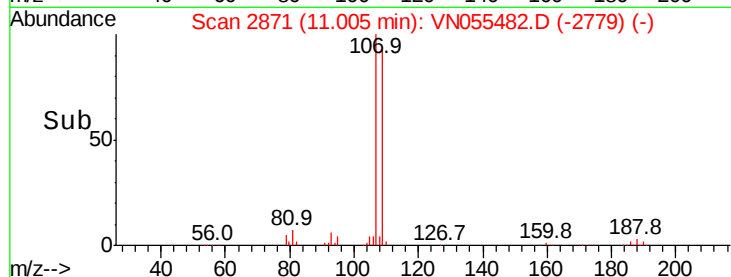
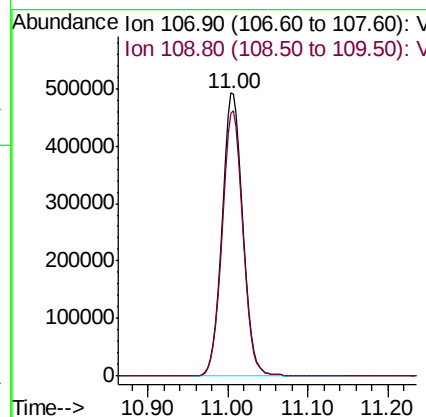
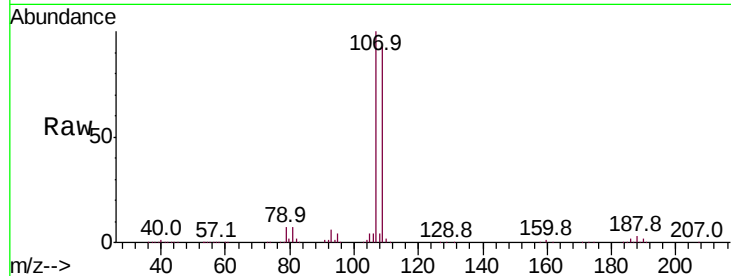
#61
1,2-Dibromoethane
Concen: 121.267 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:107 Resp: 886249
Ion Ratio Lower Upper
107 100
109 94.1 74.2 111.4

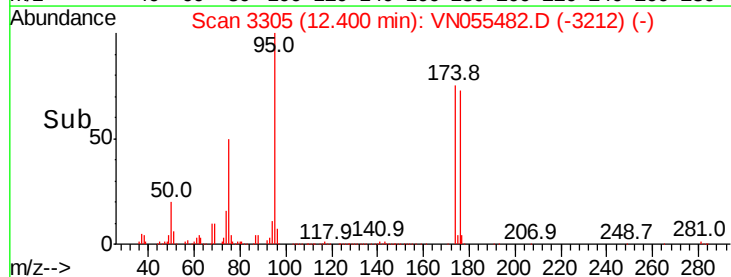
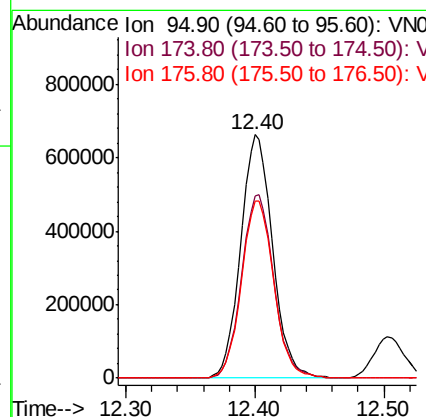
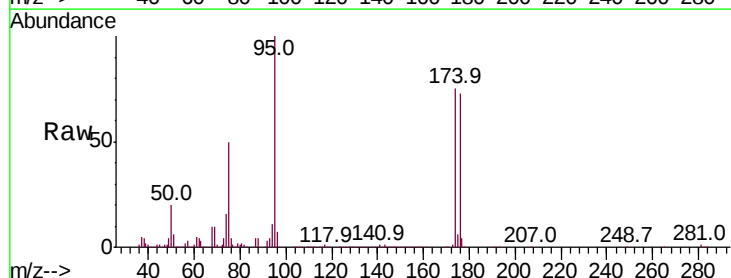
Manual Integrations
APPROVED

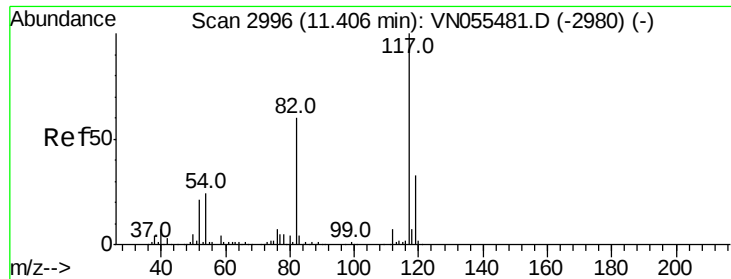
MMDadoda
5/9/2019 6:33:02 PM



#62
4-Bromofluorobenzene
Concen: 118.637 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion: 95 Resp: 1140917
Ion Ratio Lower Upper
95 100
174 76.1 0.0 152.2
176 73.8 0.0 147.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:117 Resp: 1131073

Ion Ratio Lower Upper

117 100

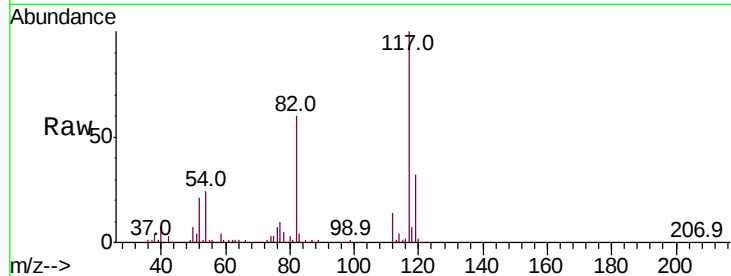
82 59.9 48.0 72.0

119 31.9 26.0 39.0

Manual Integrations
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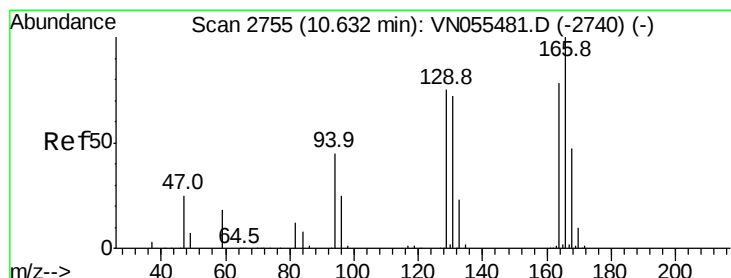
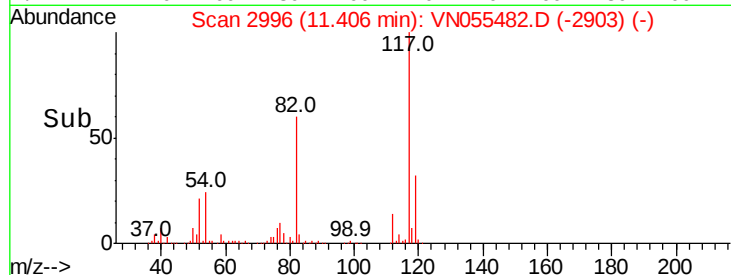
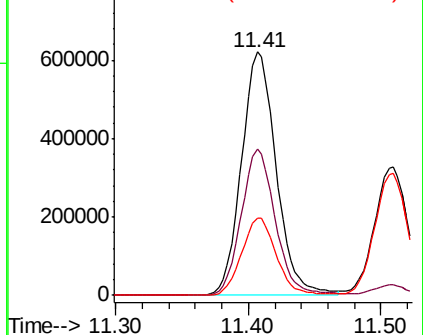
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 88.206 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Tgt Ion:164 Resp: 820665

Ion Ratio Lower Upper

164 100

166 127.1 102.6 153.8

129 97.2 77.0 115.6

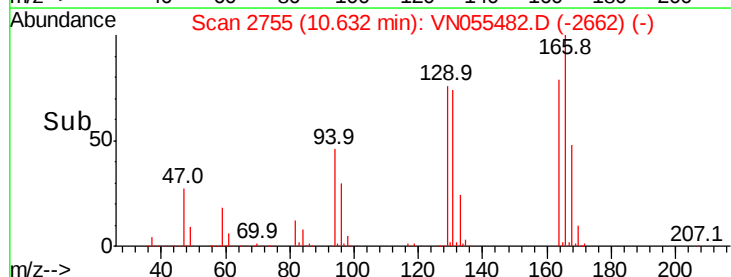
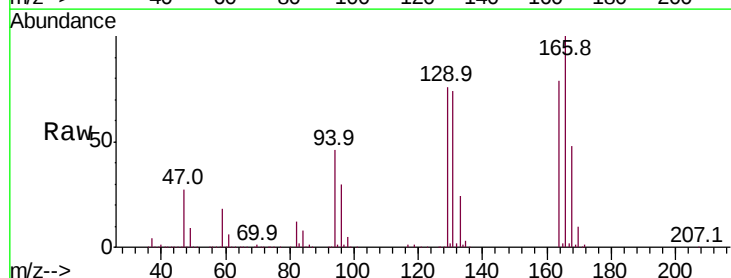
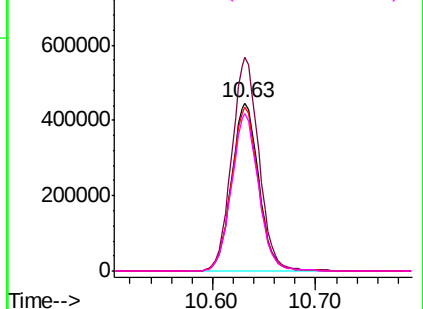
131 93.6 73.7 110.5

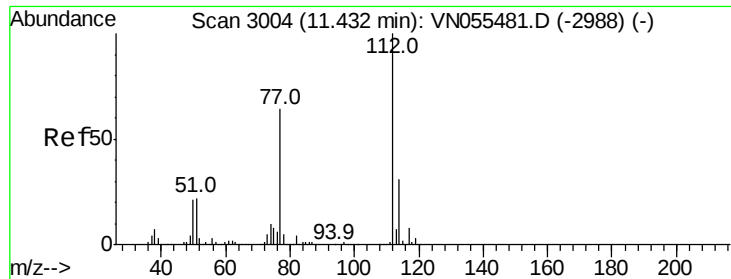
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 100.620 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion:112 Resp: 2254087

Ion Ratio Lower Upper

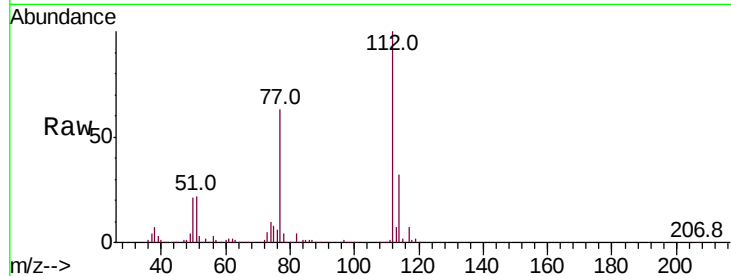
112 100

114 31.9 25.0 37.4

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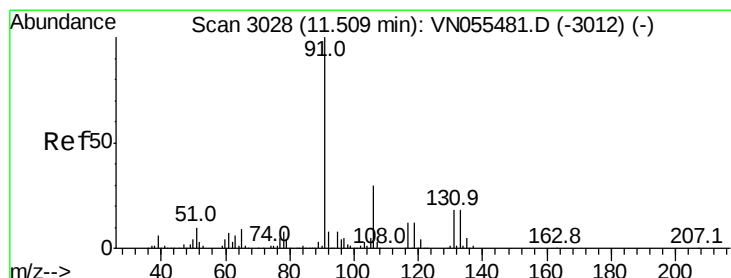
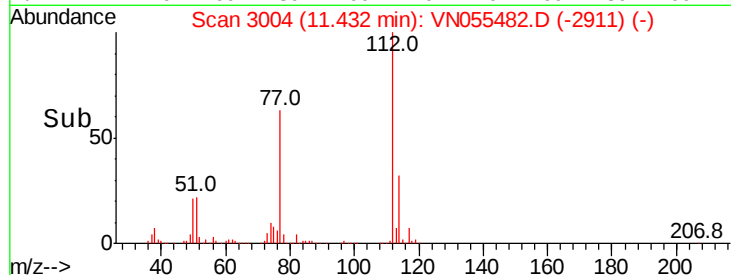
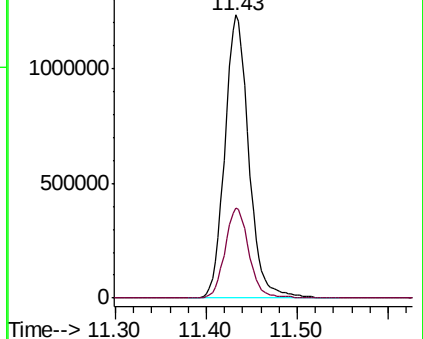
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 93.143 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

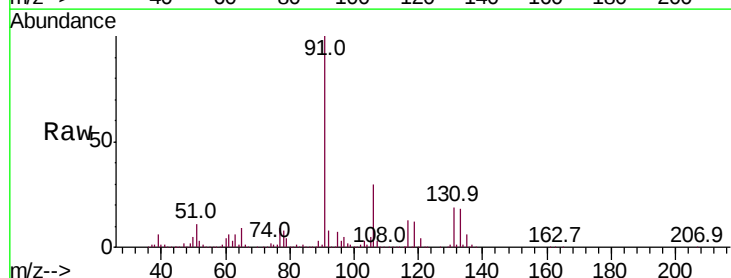
Tgt Ion:131 Resp: 801861

Ion Ratio Lower Upper

131 100

133 94.9 47.4 142.2

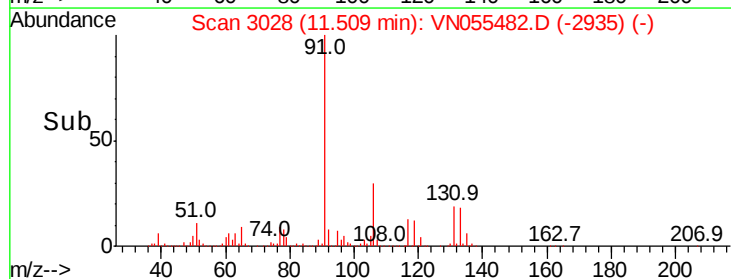
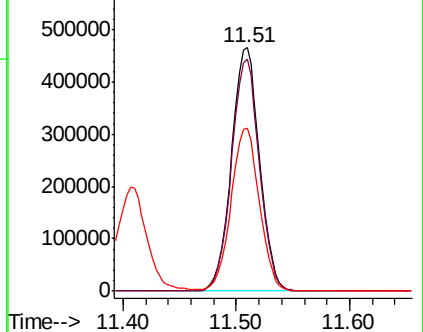
119 67.9 34.1 102.2

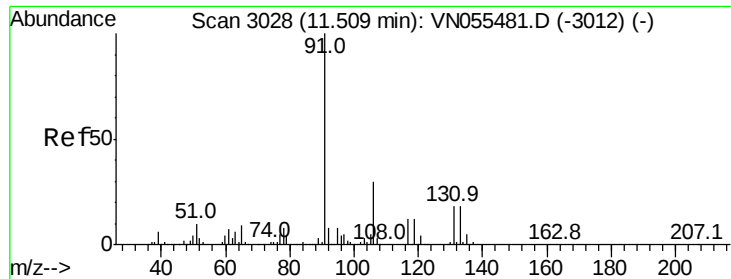


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 106.603 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 4331983

Ion Ratio Lower Upper

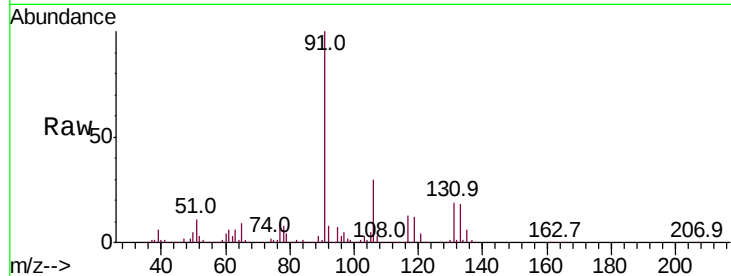
91 100

106 30.0 23.8 35.6

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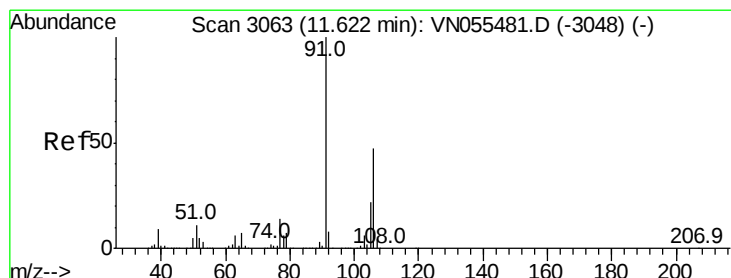
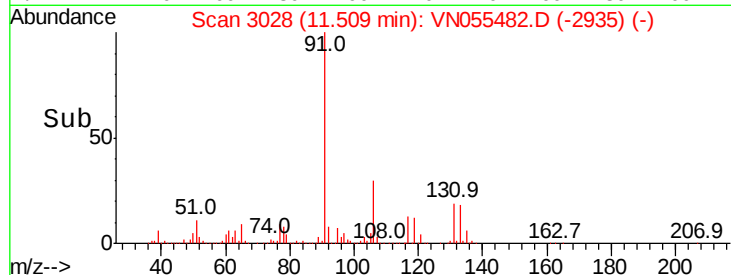
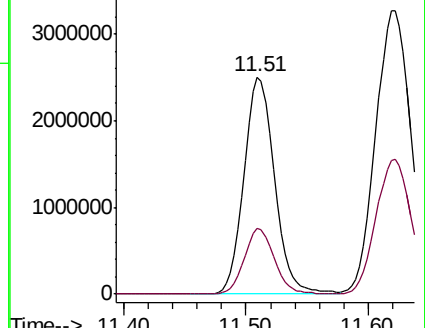
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Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN055481.D (-3012) (-)



#68

m/p-Xylenes

Concen: 216.241 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN055482.D

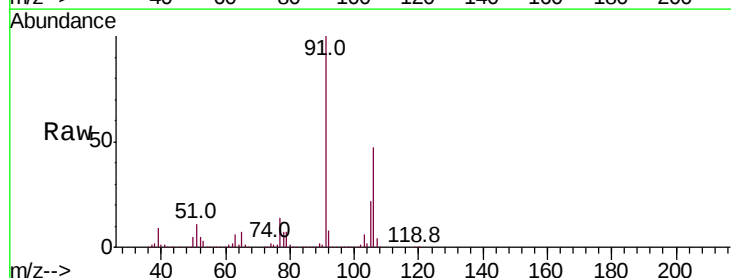
Acq: 8 May 2019 18:14

Tgt Ion:106 Resp: 3143909

Ion Ratio Lower Upper

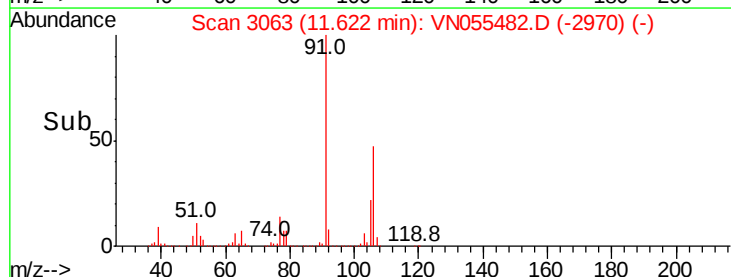
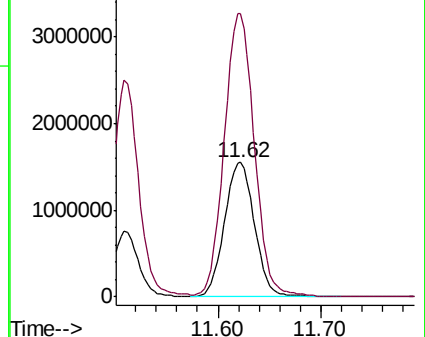
106 100

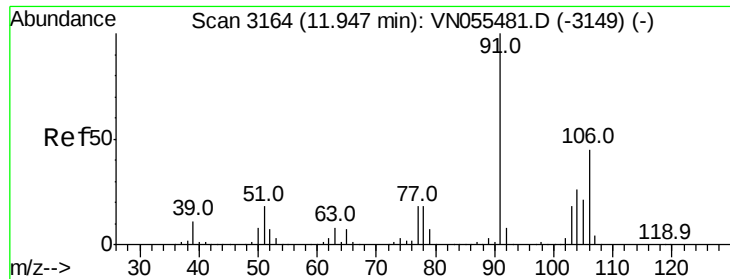
91 211.2 169.2 253.8



Abundance Ion 106.00 (105.70 to 106.70): VN055481.D (-3048) (-)

Ion 91.00 (90.70 to 91.70): VN055481.D (-3048) (-)





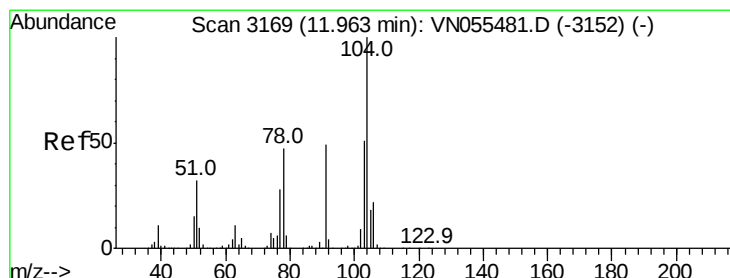
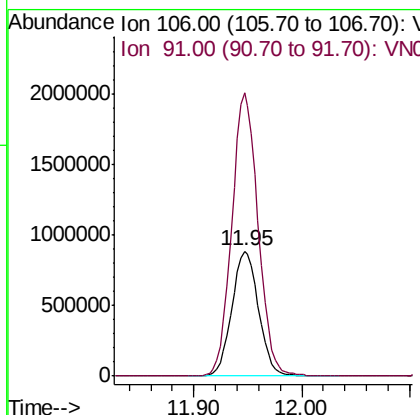
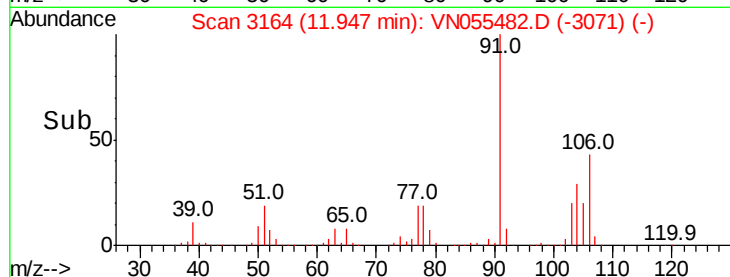
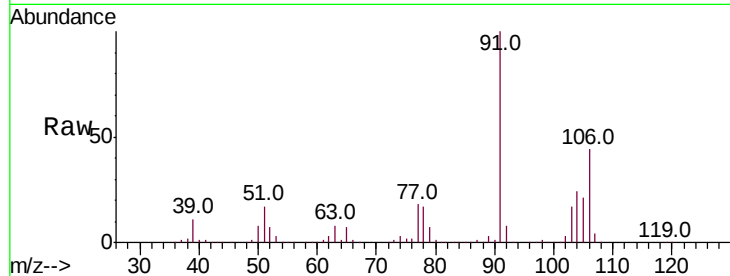
#69
o-Xylene
Concen: 106.249 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1531505
Ion Ratio Lower Upper
106 100
91 222.4 111.3 333.8

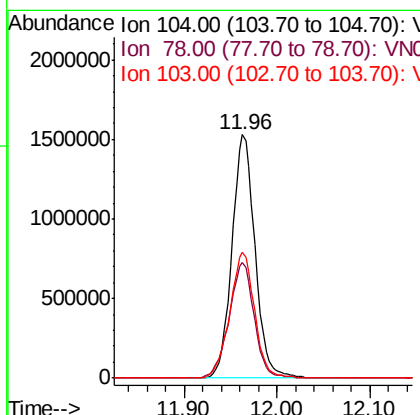
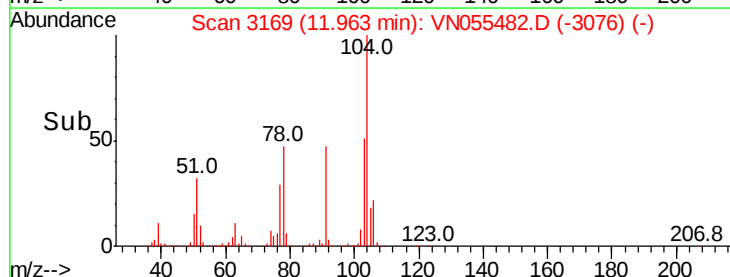
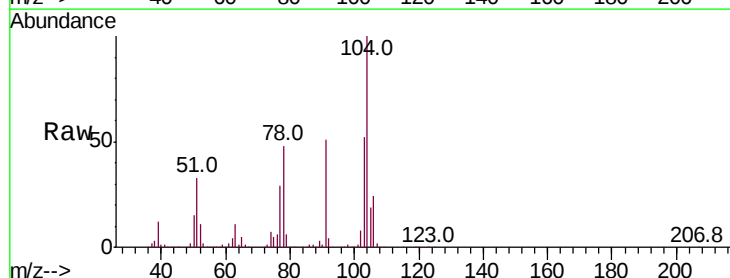
Manual Integrations
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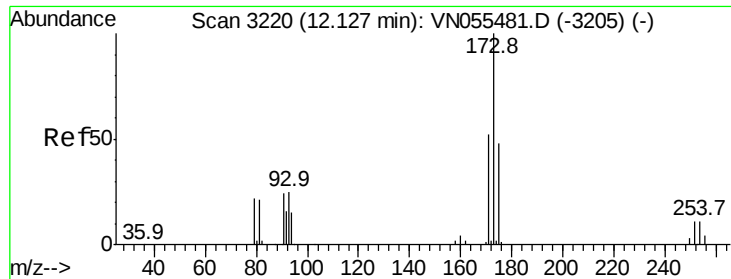
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#70
Styrene
Concen: 118.508 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion:104 Resp: 2636682
Ion Ratio Lower Upper
104 100
78 51.9 41.6 62.4
103 55.6 44.4 66.6





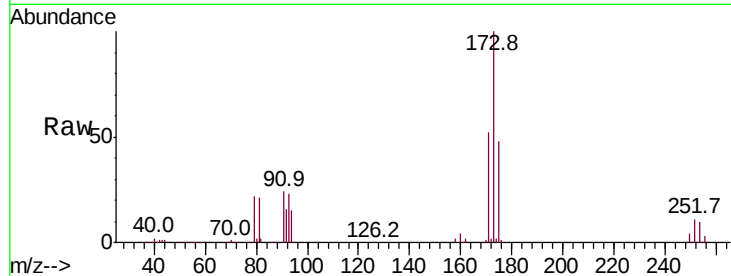
#71
Bromoform
Concen: 122.846 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

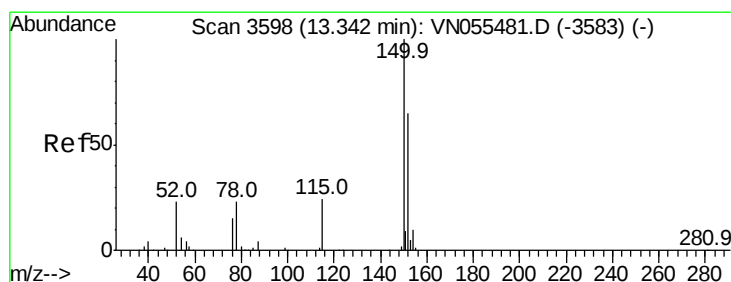
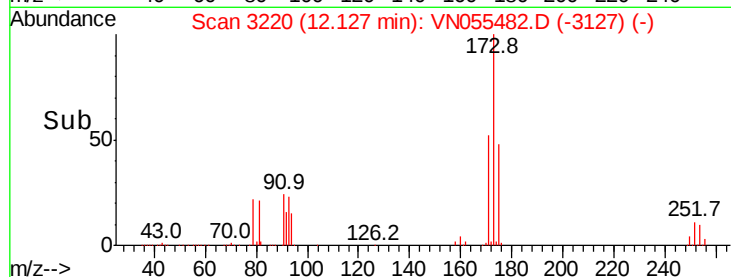
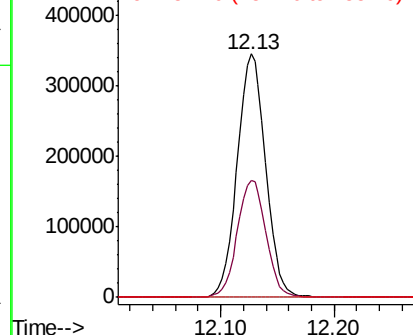
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.4
254	0.2	0.1	0.1#

Manual Integrations
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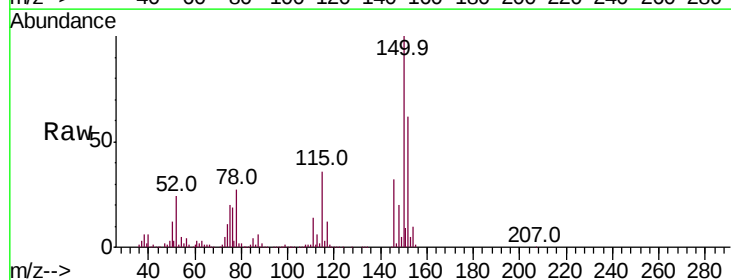


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

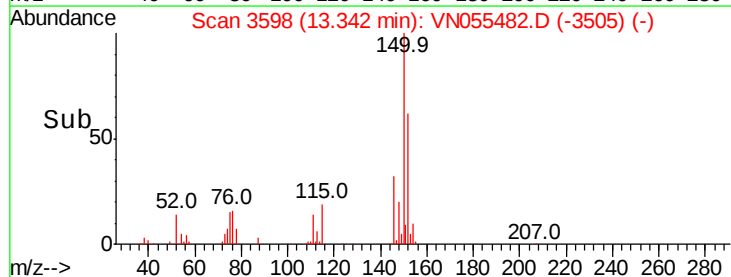
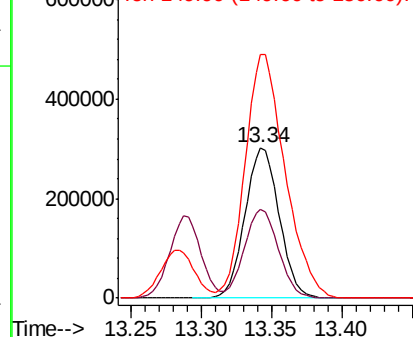


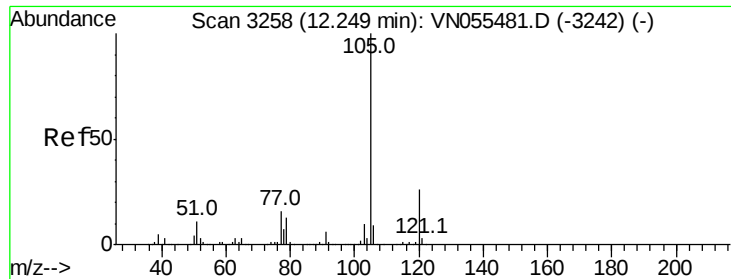
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.1	90.5
150	188.5	0.0	355.0



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





#73

Isopropylbenzene

Concen: 78.915 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 4069873

Ion Ratio Lower Upper

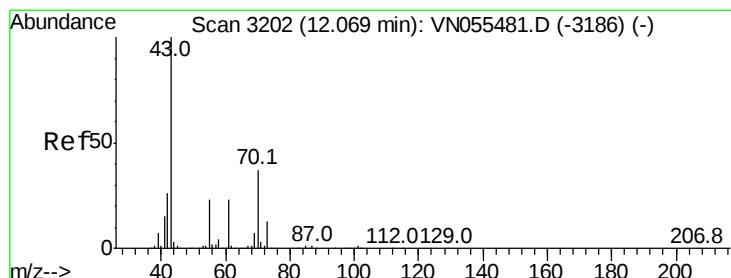
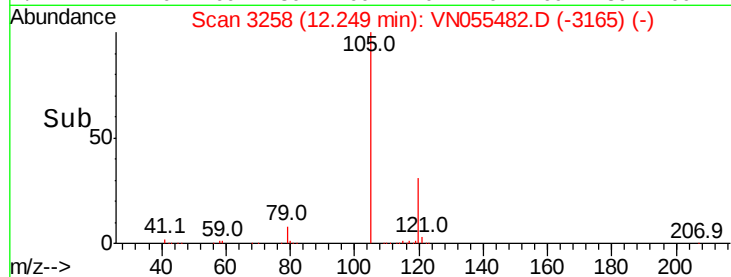
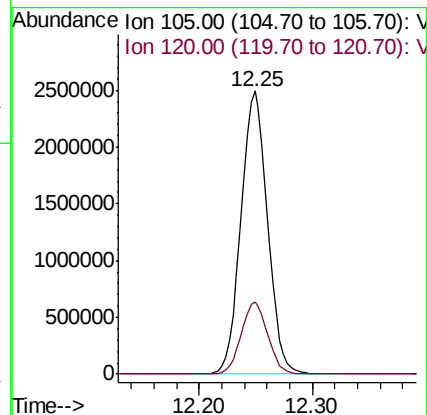
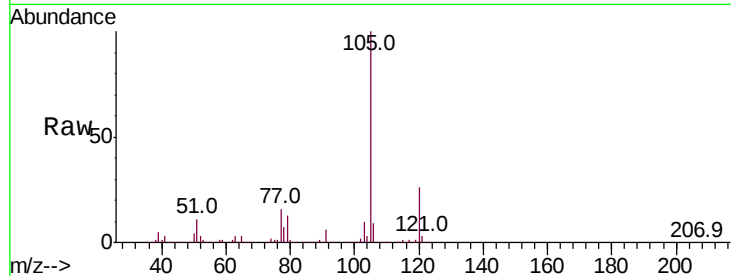
105 100

120 25.5 13.0 39.0

Manual Integrations
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#74

N-ethyl acetate

Concen: 131.620 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Tgt Ion: 43 Resp: 1873276

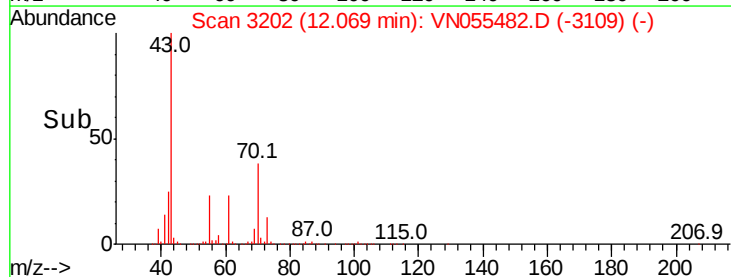
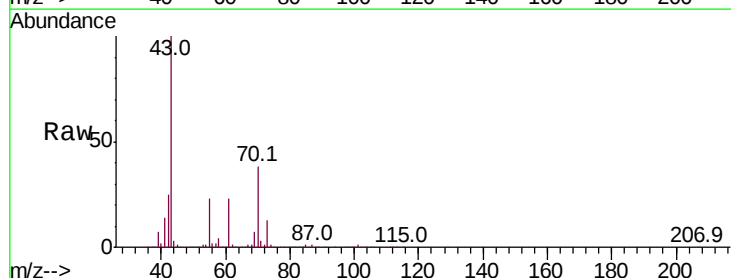
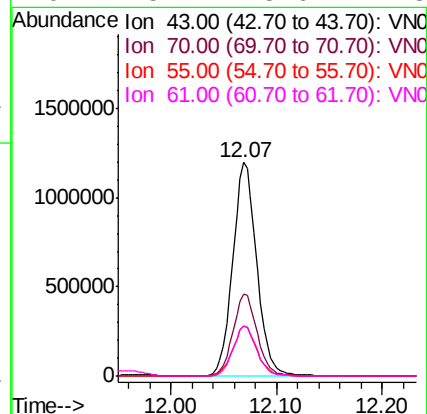
Ion Ratio Lower Upper

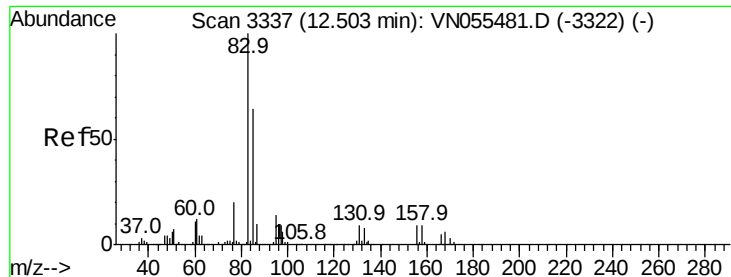
43 100

70 38.7 30.7 46.1

55 23.6 19.3 28.9

61 23.2 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 97.028 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1324493

Ion Ratio Lower Upper

83 100

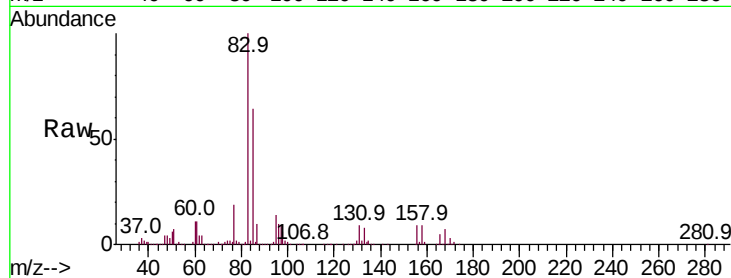
131 8.9 4.5 13.5

85 64.0 32.0 96.0

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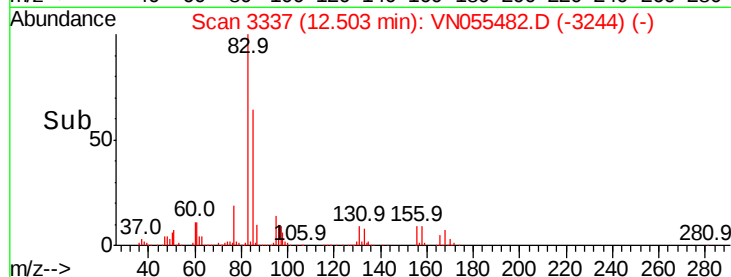


Abundance Ion 82.90 (82.60 to 83.60): VN055481.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN055481.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN055481.D (-3322) (-)

Time-->

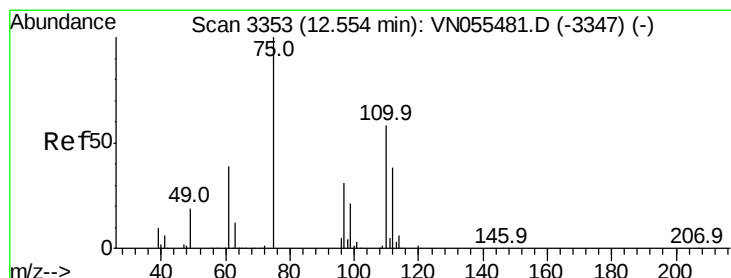


Abundance Ion 82.90 (82.60 to 83.60): VN055482.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN055482.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN055482.D (-3244) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 92.692 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055482.D

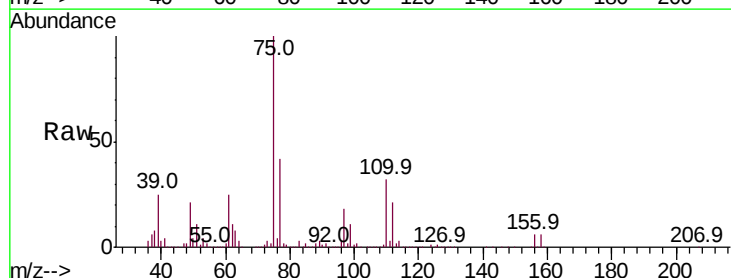
Acq: 8 May 2019 18:14

Tgt Ion: 75 Resp: 1137106

Ion Ratio Lower Upper

75 100

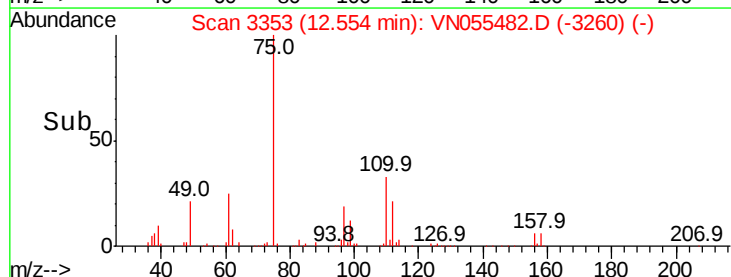
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055481.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055481.D (-3347) (-)

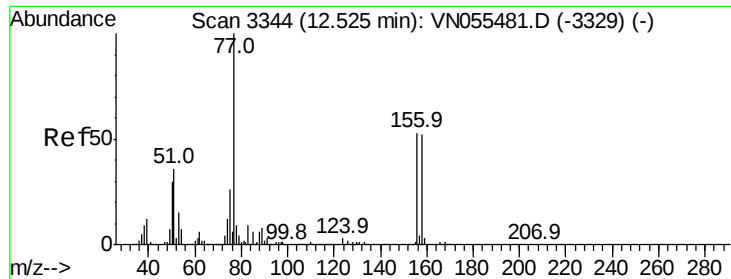
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN055482.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055482.D (-3260) (-)

Time-->



#77

Bromobenzene

Concen: 80.987 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

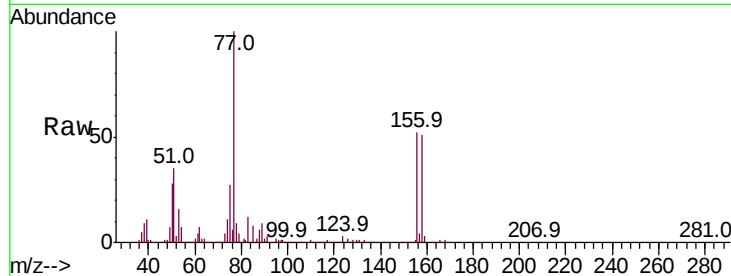
ClientSampled :

VSTDICC100

Tot Ion:	156	Resp:	944702
Ion Ratio	Lower	Upper	
156	100		
77	232.1	115.4	346.2
158	98.2	48.7	146.1

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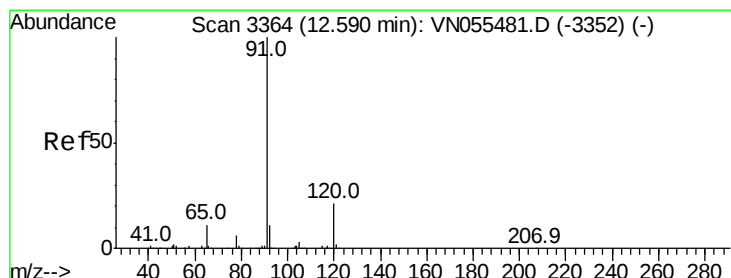
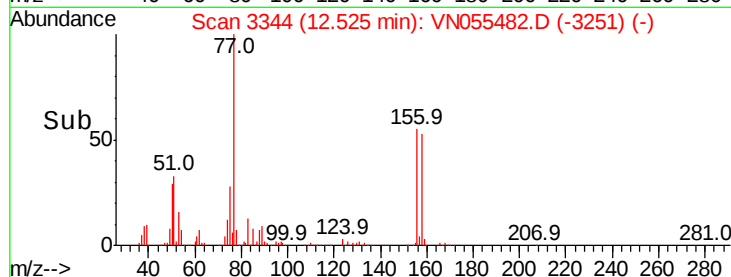
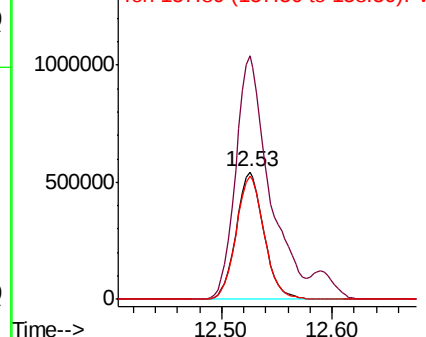
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 89.523 ug/l

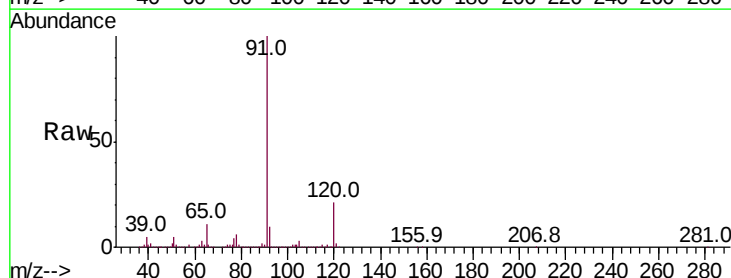
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055482.D

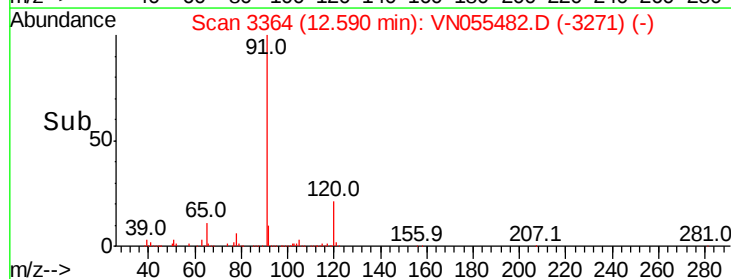
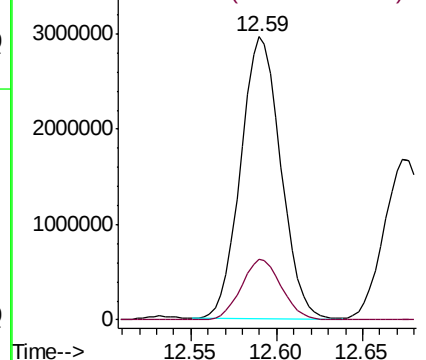
Acq: 8 May 2019 18:14

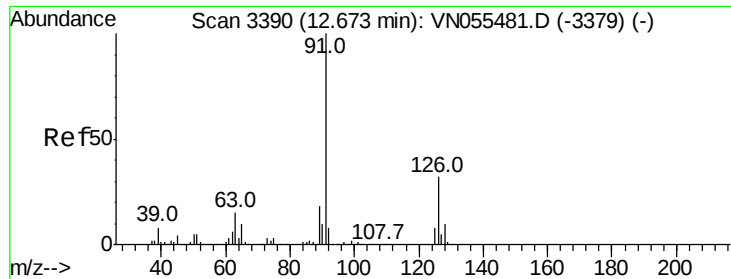
Tgt Ion:	91	Resp:	4779510
Ion Ratio	Lower	Upper	
91	100		
120	21.6	10.8	32.3



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 82.763 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2825770

Ion Ratio Lower Upper

91 100

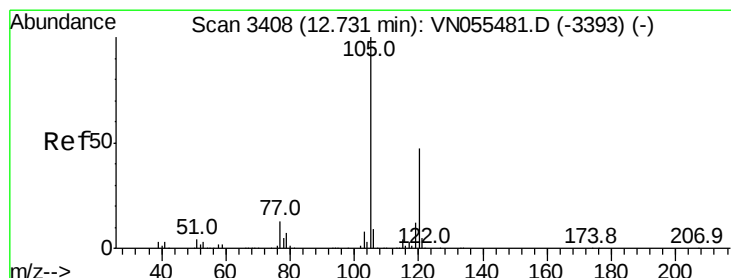
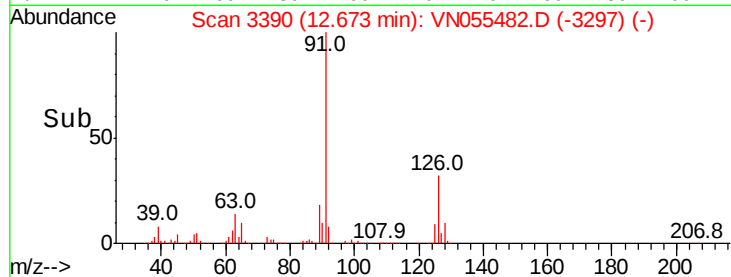
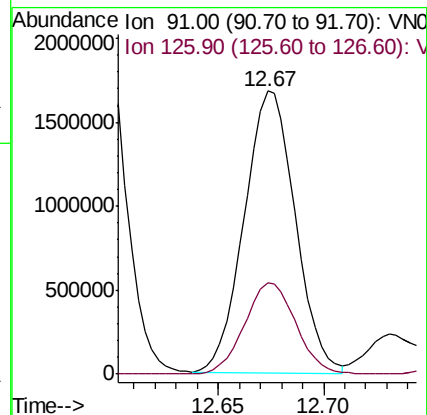
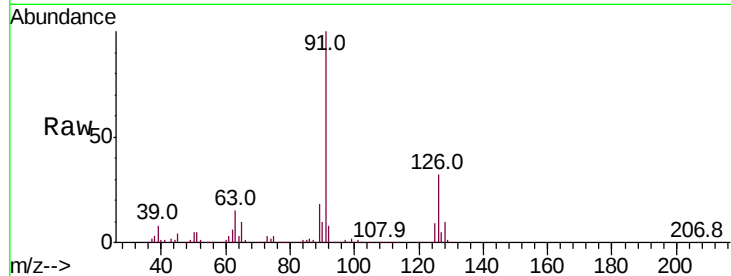
126 32.7 16.0 47.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 86.733 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055482.D

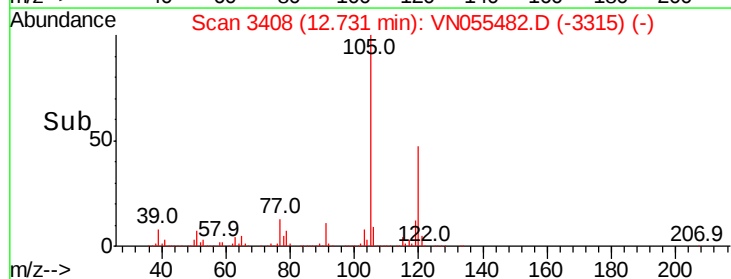
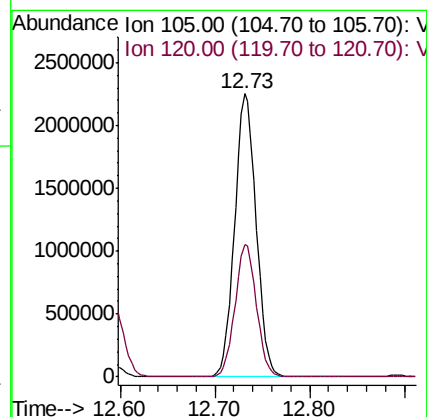
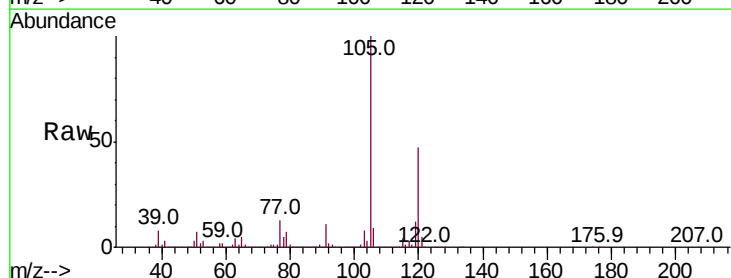
Acq: 8 May 2019 18:14

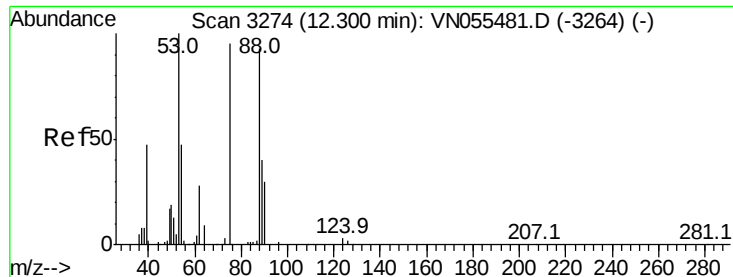
Tgt Ion:105 Resp: 3539591

Ion Ratio Lower Upper

105 100

120 46.8 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 128.057 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

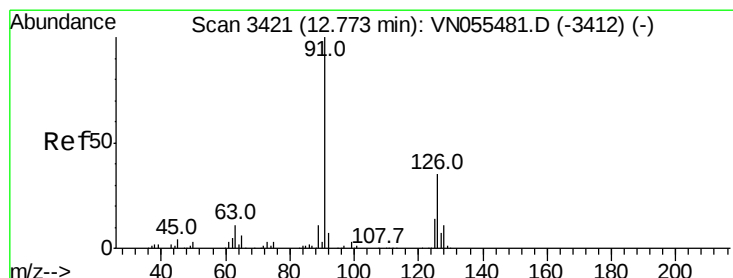
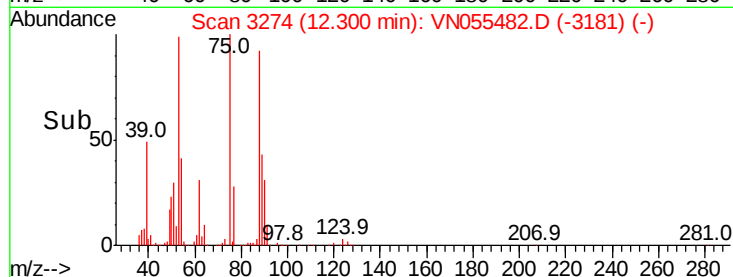
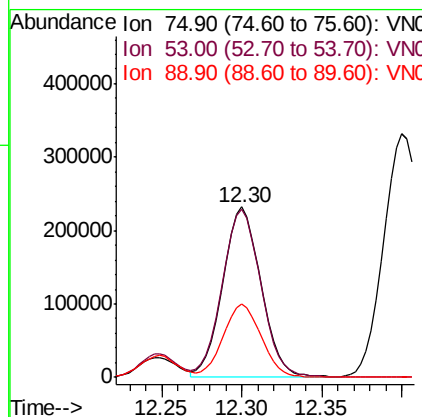
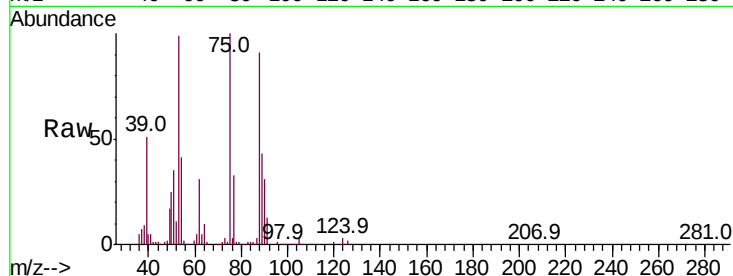
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	376557
Ion	Ratio	Lower	Upper
75	100		
53	101.1	86.5	129.7
89	43.3	35.7	53.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 92.942 ug/l

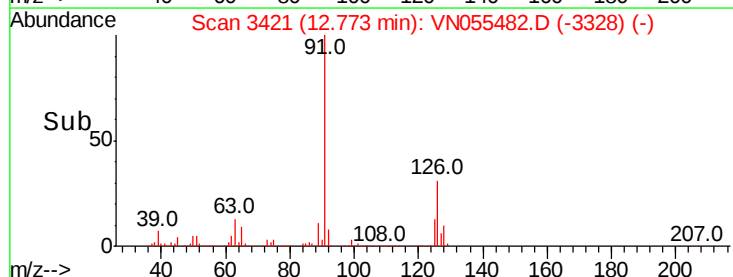
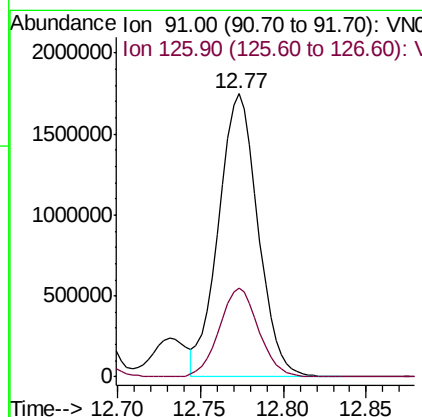
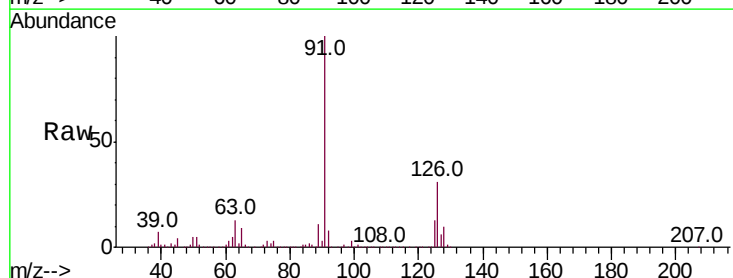
RT: 12.77 min Scan# 3421

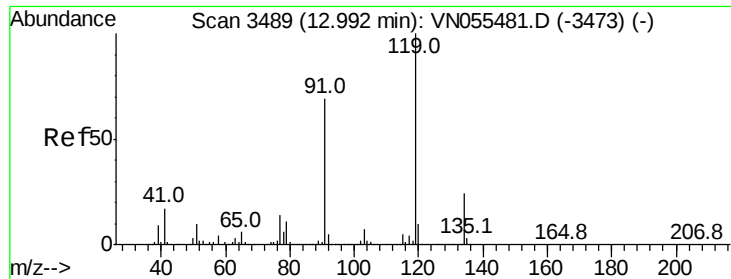
Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Tgt Ion:	91	Resp:	2895491
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.0





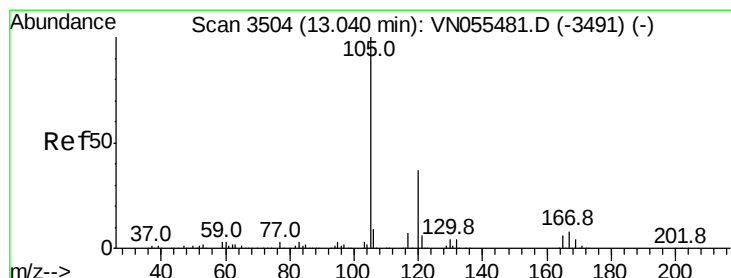
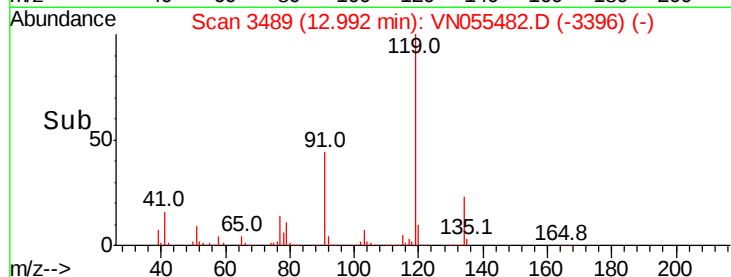
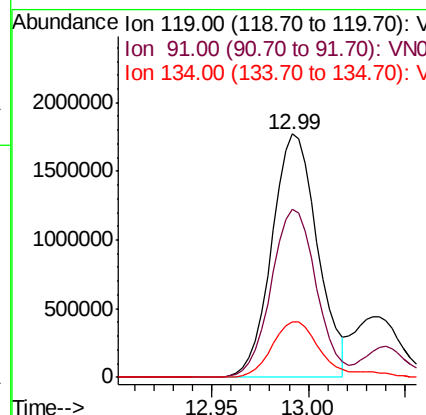
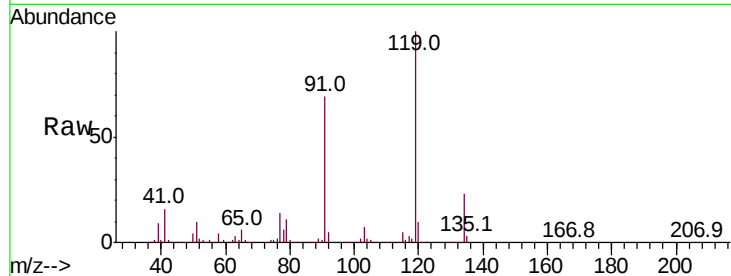
#83
tert-Butylbenzene
Concen: 79.580 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	33.8	101.3
134	25.2	12.5	37.5

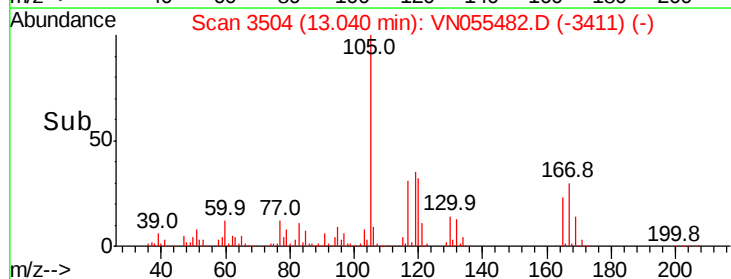
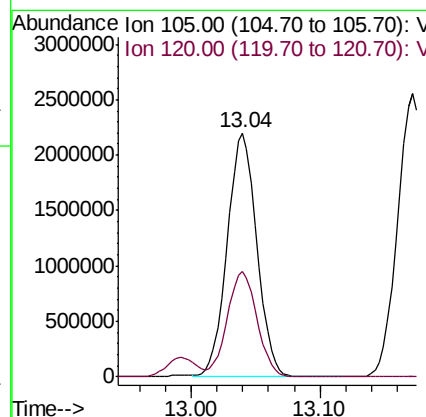
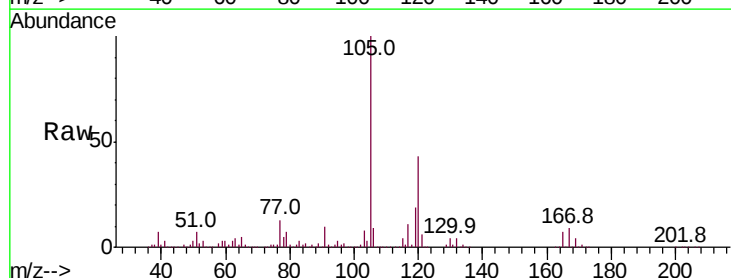
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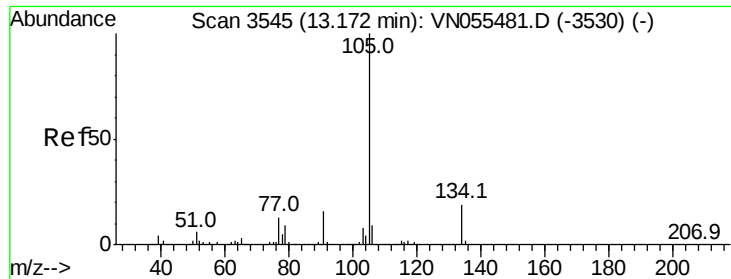
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#84
1,2,4-Trimethylbenzene
Concen: 95.573 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.5





#85

sec-Butylbenzene

Concen: 89.843 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 3998880

Ion Ratio Lower Upper

105 100

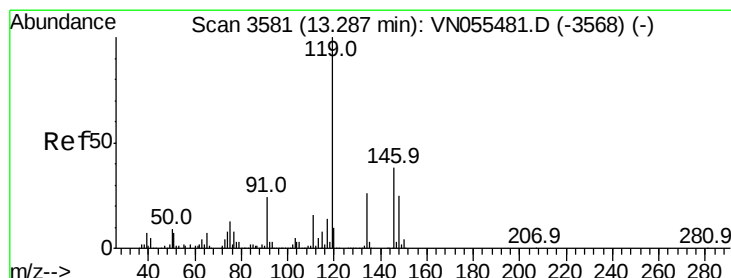
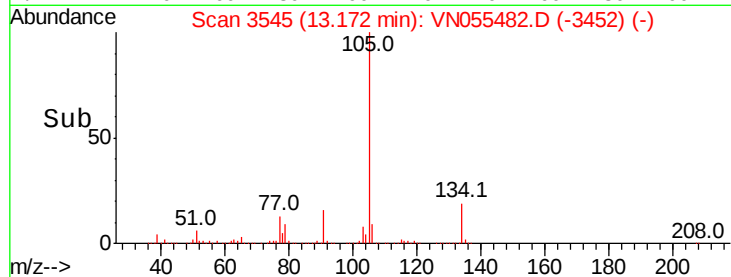
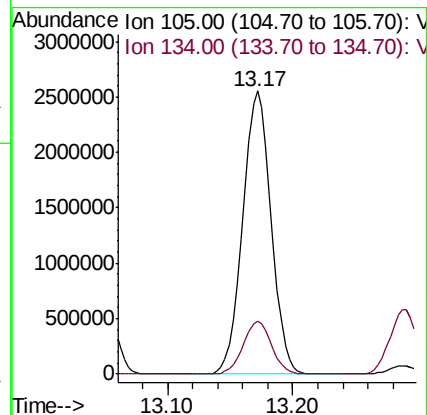
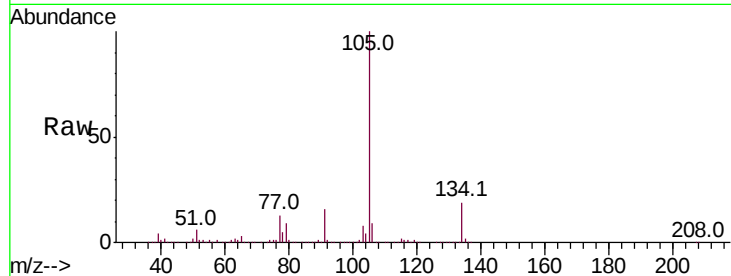
134 18.8 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 95.917 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

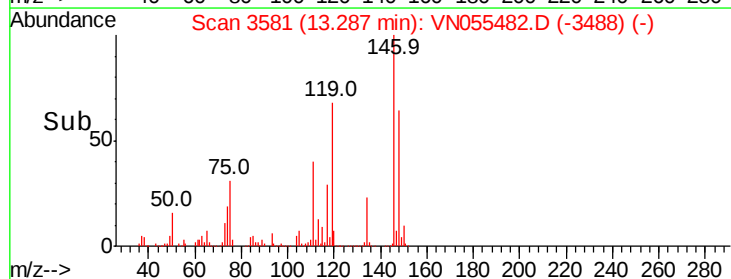
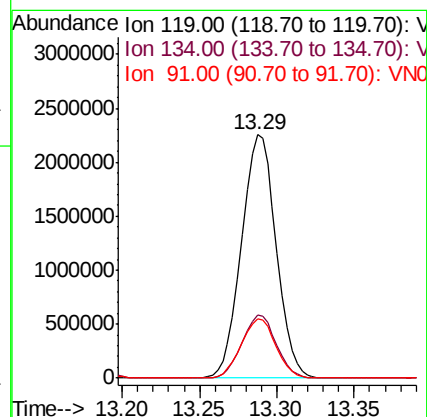
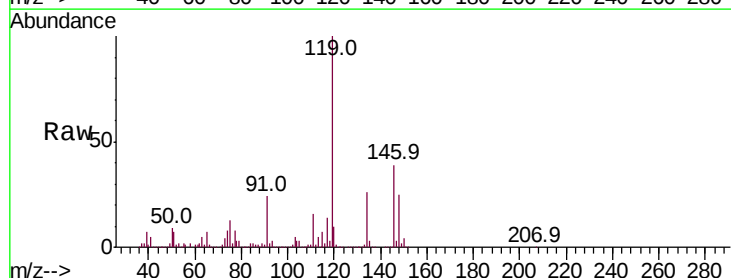
Tgt Ion:119 Resp: 3503861

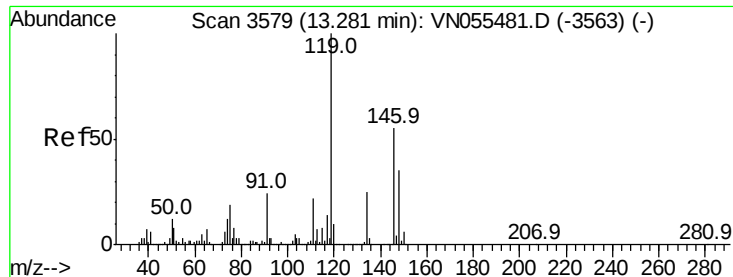
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.2 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 95.768 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 1663973

Ion Ratio Lower Upper

146 100

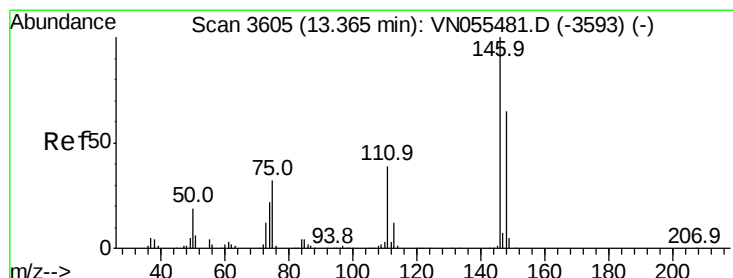
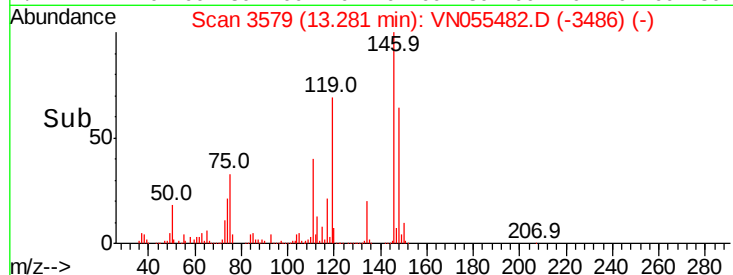
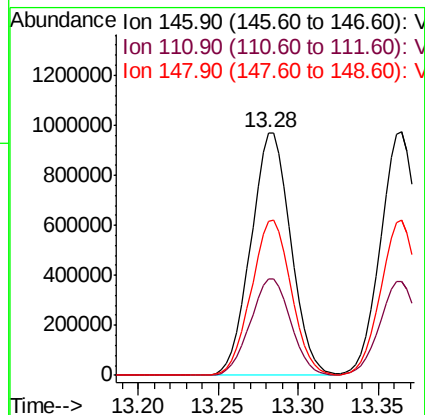
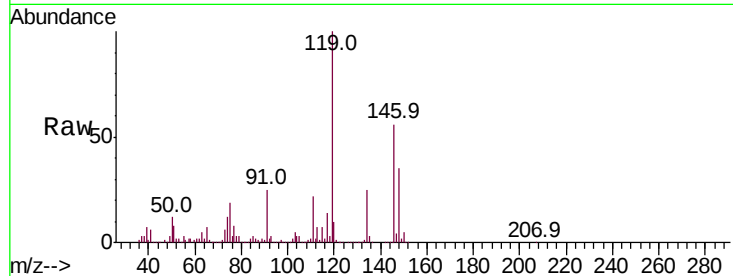
111 40.1 20.4 61.3

148 64.0 32.1 96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 99.894 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

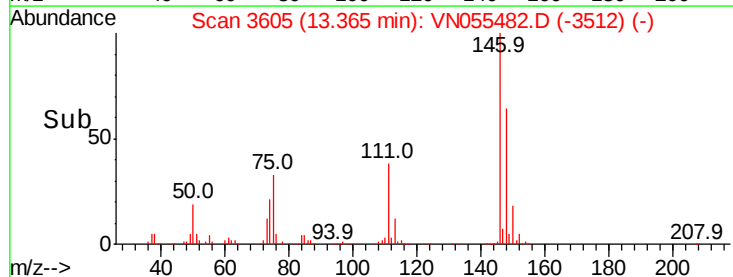
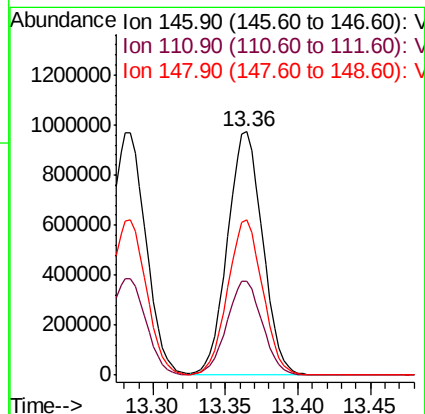
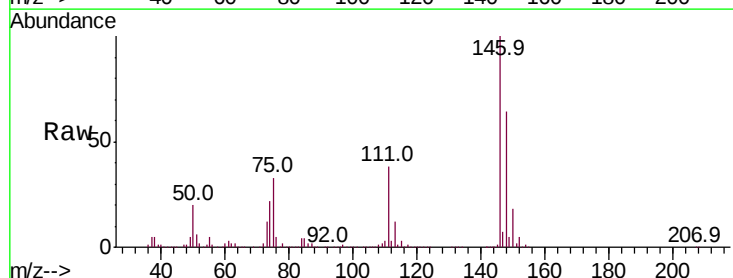
Tgt Ion:146 Resp: 1635453

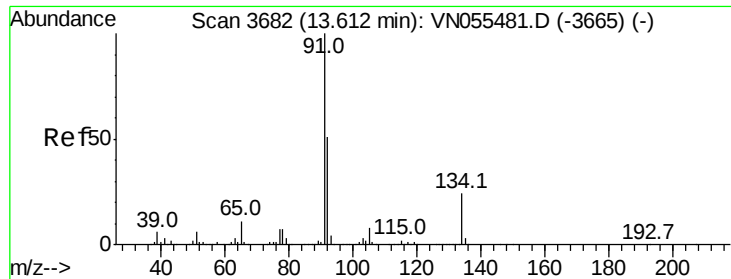
Ion Ratio Lower Upper

146 100

111 38.9 19.6 58.8

148 63.7 32.5 97.4





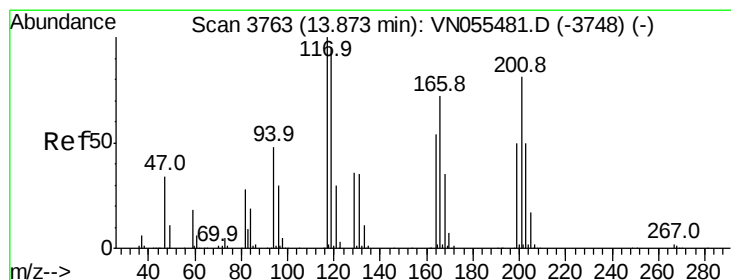
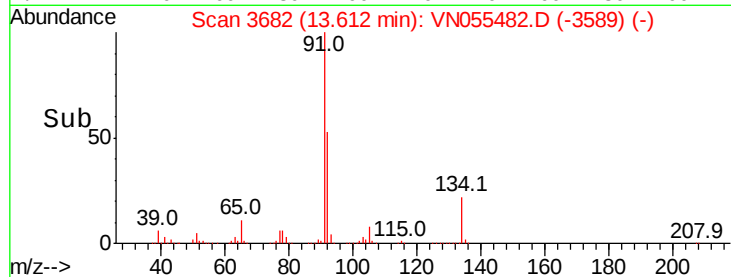
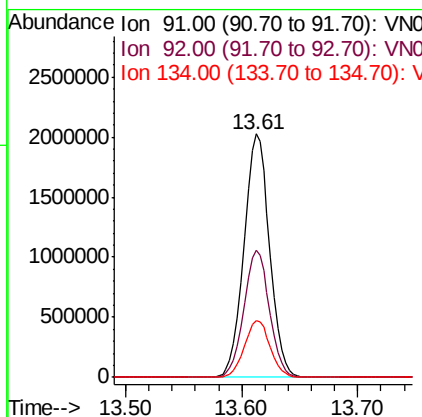
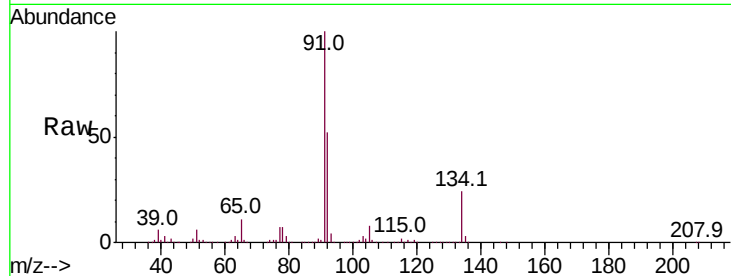
#89
n-Butylbenzene
Concen: 117.556 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 3096213
Ion Ratio Lower Upper
91 100
92 52.3 25.9 77.7
134 23.6 11.8 35.4

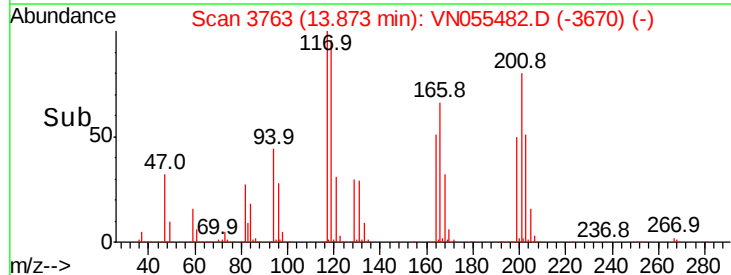
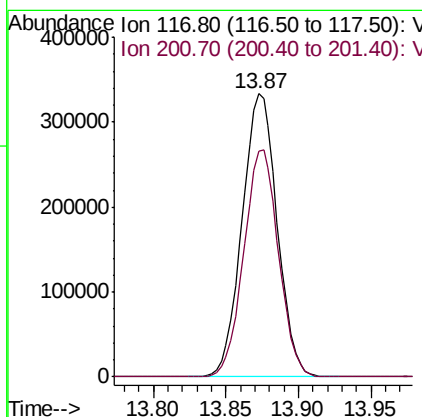
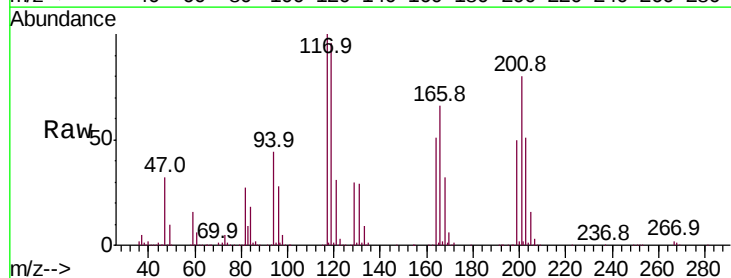
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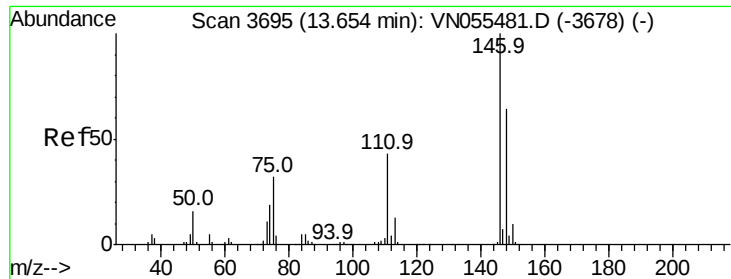
MMDadoda
5/9/2019 6:33:02 PM



#90
Hexachloroethane
Concen: 82.513 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion: 117 Resp: 560424
Ion Ratio Lower Upper
117 100
201 79.6 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 93.574 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 1612969

Ion Ratio Lower Upper

146 100

111 42.4 21.3 63.7

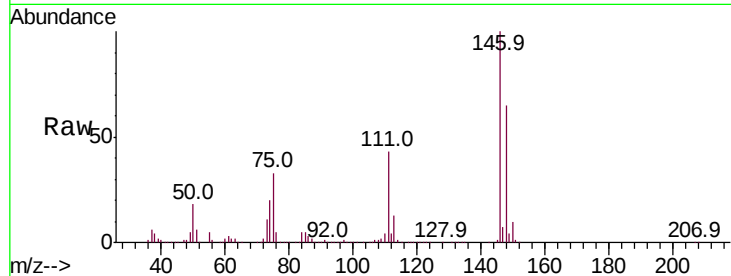
148 64.0 31.9 95.9

Manual Integrations

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MMDadoda

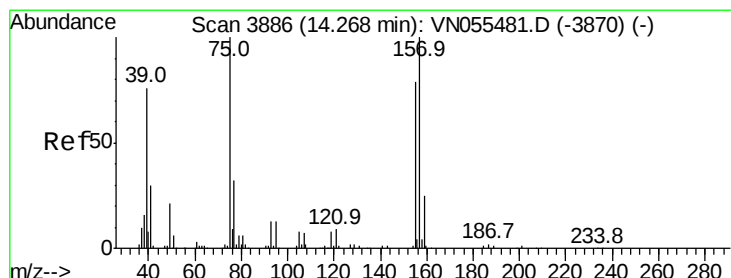
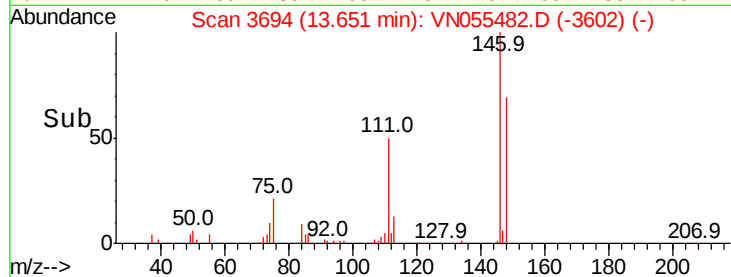
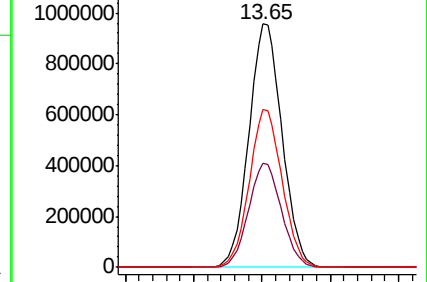
5/9/2019 6:33:02 PM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 155.863 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055482.D

Acq: 8 May 2019 18:14

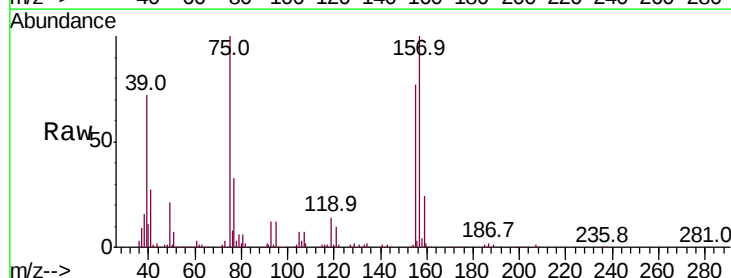
Tgt Ion: 75 Resp: 235036

Ion Ratio Lower Upper

75 100

155 77.1 39.3 117.8

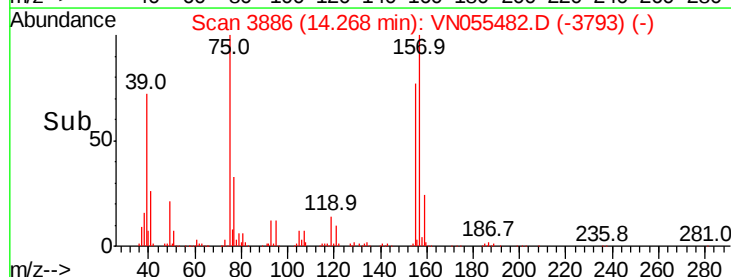
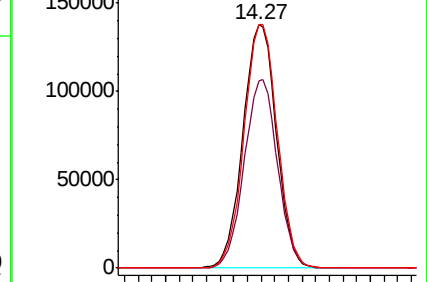
157 99.2 50.6 151.8

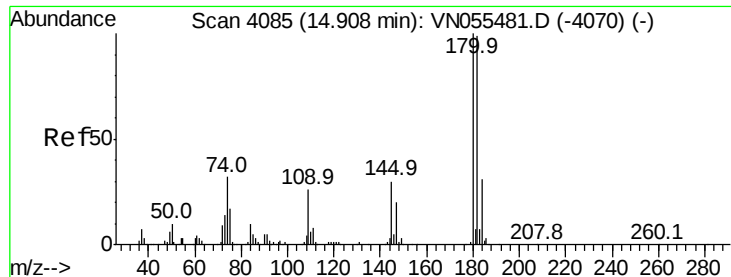


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





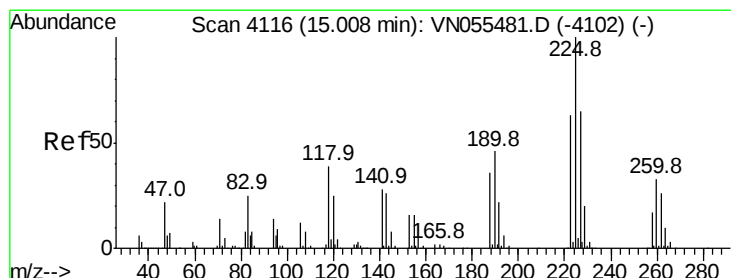
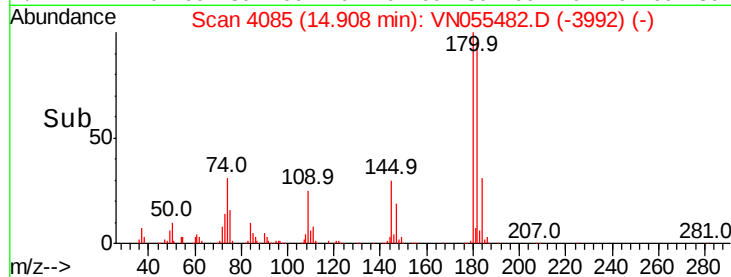
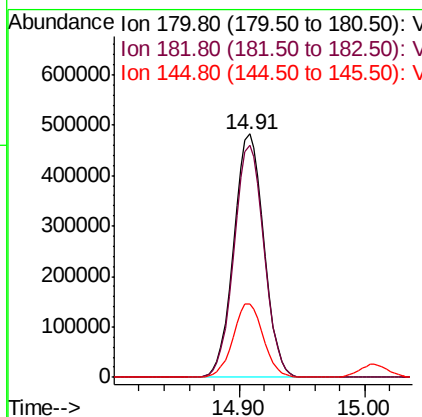
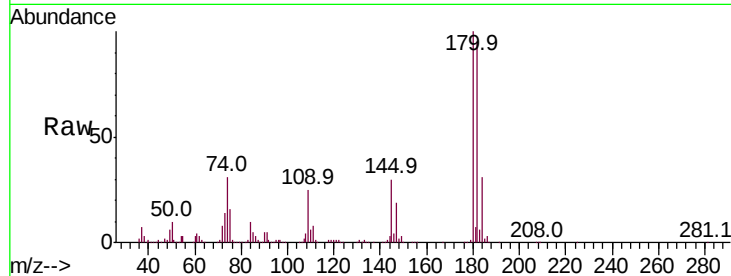
#93
 1,2,4-Trichlorobenzene
 Concen: 146.083 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055482.D
 Acq: 8 May 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	48.7	146.1	
145	30.2	15.3	45.9	

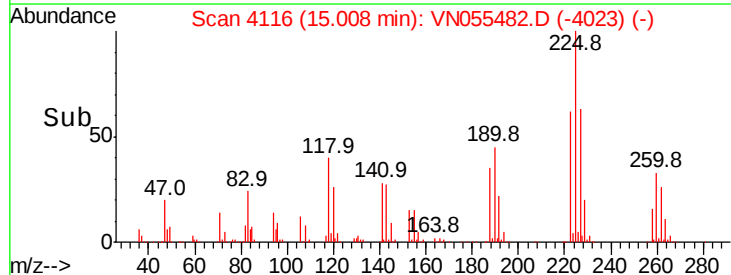
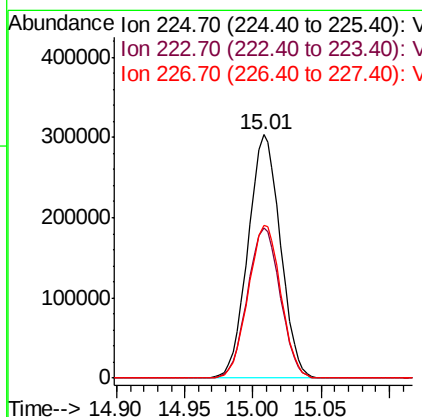
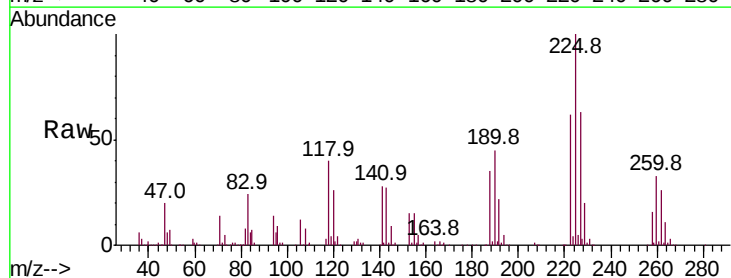
Manual Integrations
 APPROVED

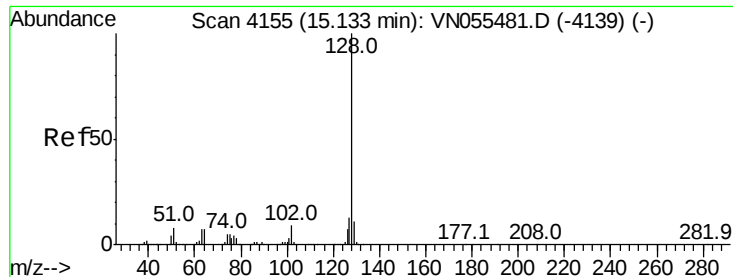
MMDadoda
 5/9/2019 6:33:02 PM



#94
 Hexachlorobutadiene
 Concen: 78.951 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055482.D
 Acq: 8 May 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.4	94.3	
227	63.5	32.0	96.0	





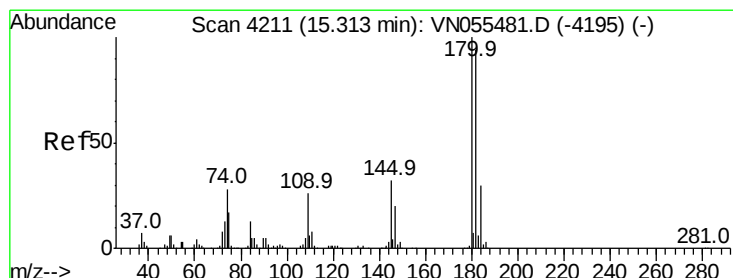
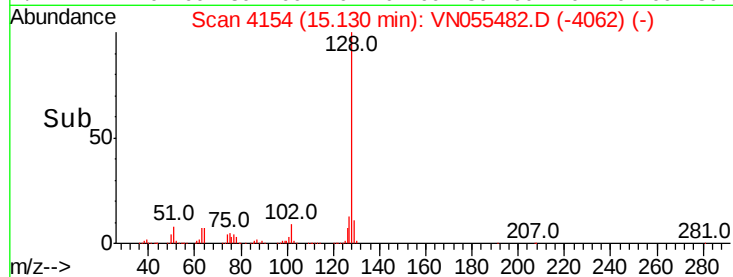
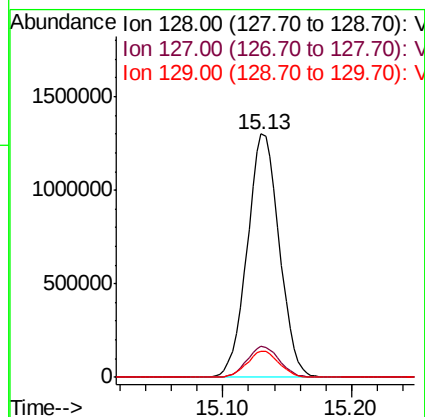
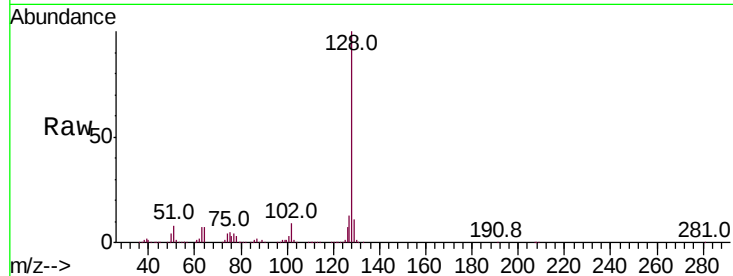
#95
Naphthalene
Concen: 175.953 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.0	15.0
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/9/2019 6:33:02 PM



#96
1,2,3-Trichlorobenzene
Concen: 148.384 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055482.D
Acq: 8 May 2019 18:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.1	141.3
145	31.6	15.8	47.4

