

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022323\
 Data File : VD075411.D
 Acq On : 23 Feb 2023 13:29
 Operator : KP/SY
 Sample : VSTD10005
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD100105

Quant Time: Feb 23 23:19:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM022323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 23 23:16:46 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	95242	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	89161	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	46630	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	54001	43.899	ug/L	0.00
7) Chloroethane-d5	2.799	69	64458	75.427	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.928	63	138222	55.521	ug/L	0.00
21) 2-Butanone-d5	6.987	46	54274	192.425	ug/L	0.00
24) Chloroform-d	7.569	84	176395	72.243	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	89734	71.785	ug/L	0.00
32) Benzene-d6	8.204	84	262830	49.108	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	98652	62.912	ug/L	0.00
41) Toluene-d8	10.269	98	229249	46.713	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	40469	60.547	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	42424	176.438	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	98465	89.310	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	112127	68.512	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	170740	211.384	ug/L	99
3) Chloromethane	2.146	50	193599	162.693	ug/L	100
5) Vinyl chloride	2.281	62	225106	154.260	ug/L	99
6) Bromomethane	2.693	94	120329	159.333	ug/L	97
8) Chloroethane	2.834	64	139731	187.653	ug/L	99
9) Trichlorofluoromethane	3.175	101	259262	211.292	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	156572	118.048	ug/L	99
12) 1,1-Dichloroethene	3.940	96	136013	109.764	ug/L #	81
13) Acetone	4.022	43	57909	166.512	ug/L	89
14) Carbon disulfide	4.269	76	416235	103.035	ug/L	99
15) Methyl Acetate	4.564	43	56706	109.750	ug/L #	81
16) Methylene chloride	4.805	84	139267	89.184	ug/L	96
17) trans-1,2-Dichloroethene	5.311	96	144311	108.620	ug/L	94
18) Methyl tert-butyl Ether	5.316	73	310263	150.830	ug/L	99
19) 1,1-Dichloroethane	6.116	63	268709	113.582	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	159339	114.454	ug/L	96
22) 2-Butanone	7.081	43	82259	211.779	ug/L	99
23) Bromochloromethane	7.428	128	65154	110.501	ug/L	84
25) Chloroform	7.599	83	275566	116.736	ug/L	94
27) 1,2-Dichloroethane	8.328	62	174800	119.562	ug/L	99
29) Cyclohexane	7.875	56	244391	101.582	ug/L	100
30) 1,1,1-Trichloroethane	7.793	97	256428	119.542	ug/L	97
31) Carbon tetrachloride	7.993	117	217170	112.103	ug/L	99
33) Benzene	8.252	78	597315	105.979	ug/L	100
34) Trichloroethene	9.028	95	158808	107.706	ug/L	96
35) Methylcyclohexane	9.275	83	266623	101.653	ug/L	98
37) 1,2-Dichloropropane	9.304	63	155392	110.025	ug/L	100
38) Bromodichloromethane	9.587	83	202112	113.836	ug/L	99
39) cis-1,3-Dichloropropene	10.022	75	239106	112.300	ug/L	94
40) 4-Methyl-2-pentanone	10.163	43	173979	232.567	ug/L	98
42) Toluene	10.334	91	668625	111.977	ug/L	100
44) trans-1,3-Dichloropropene	10.557	75	201329	110.533	ug/L	99

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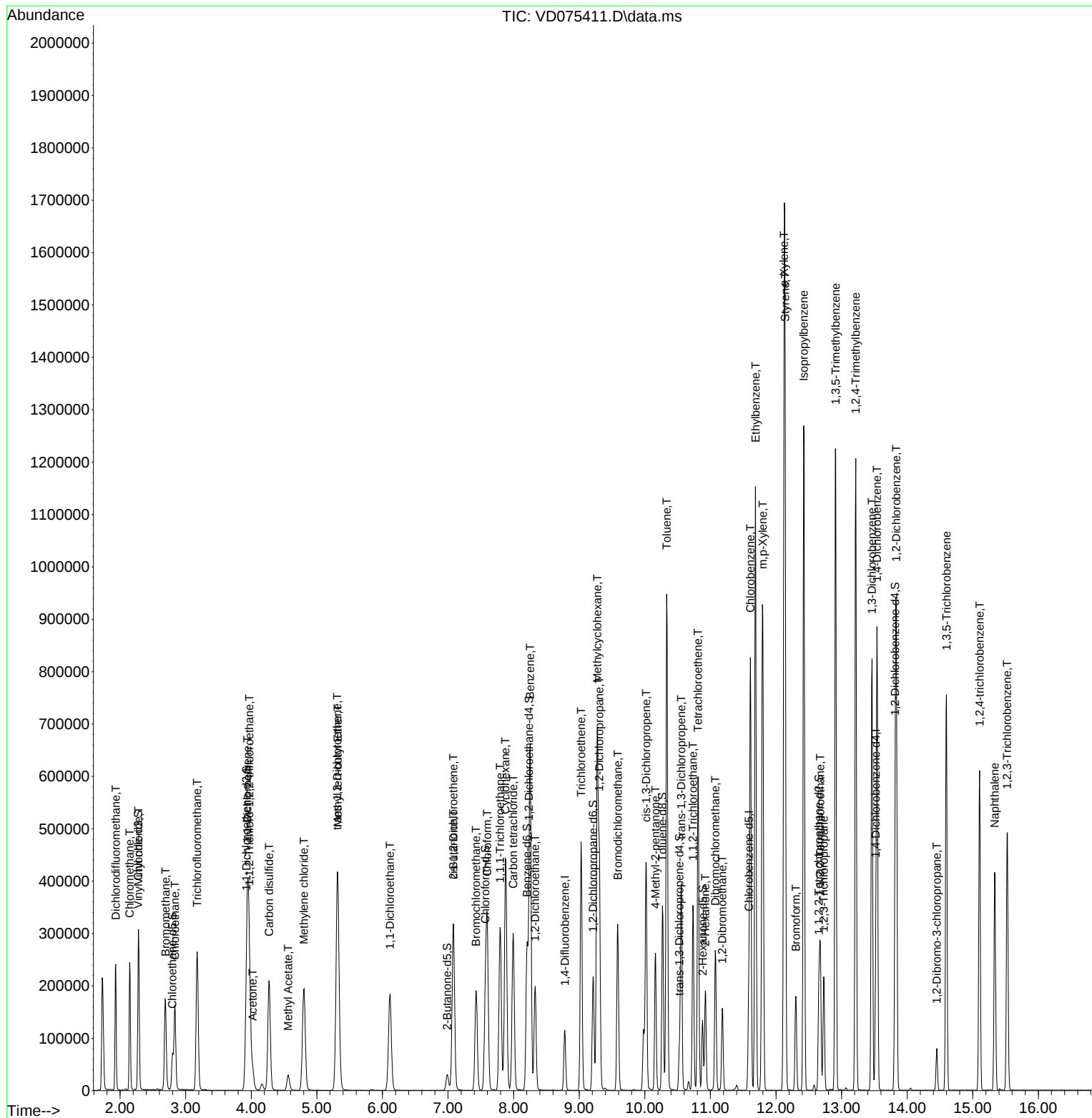
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	105951	107.965	ug/L	97
46) Tetrachloroethene	10.810	164	121693	109.225	ug/L	87
48) 2-Hexanone	10.922	43	128730	225.883	ug/L	99
49) Dibromochloromethane	11.075	129	131968	115.007	ug/L	100
50) 1,2-Dibromoethane	11.181	107	98834	107.533	ug/L #	96
51) Chlorobenzene	11.610	112	407161	108.800	ug/L	97
52) Ethylbenzene	11.687	91	772031	116.119	ug/L	99
53) m,p-Xylene	11.798	106	290639	113.482	ug/L	88
54) o-Xylene	12.122	106	282288	119.332	ug/L	96
55) Styrene	12.140	104	491521	122.034	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.675	83	120087	109.955	ug/L	97
59) Bromoform	12.304	173	77545	114.626	ug/L	99
60) Isopropylbenzene	12.422	105	789861	107.500	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	81731	91.019	ug/L	97
62) 1,3,5-Trimethylbenzene	12.910	105	632946	103.715	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	616322	102.647	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	314672	104.381	ug/L	99
65) 1,4-Dichlorobenzene	13.540	146	317819	105.668	ug/L	97
67) 1,2-Dichlorobenzene	13.834	146	278288	106.291	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.451	75	18227	89.099	ug/L	97
69) 1,3,5-Trichlorobenzene	14.598	180	215961	99.775	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	178176	97.728	ug/L	99
71) Naphthalene	15.334	128	337136	96.981	ug/L	100
72) 1,2,3-Trichlorobenzene	15.522	180	153127	98.985	ug/L	99

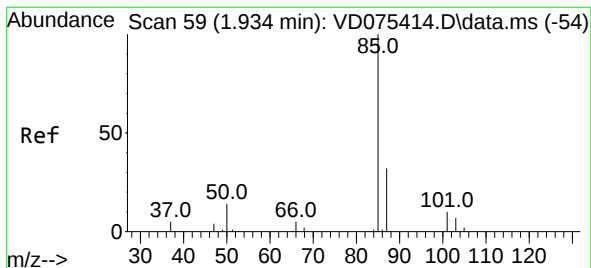
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#2

Dichlorodifluoromethane

Concen: 211.384 ug/L

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD075411.D

Acq: 23 Feb 2023 13:29

Instrument :

MSVOA_D

ClientSampleId :

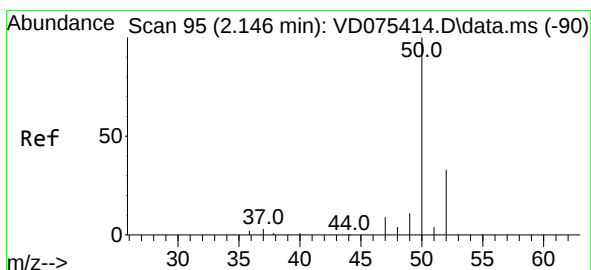
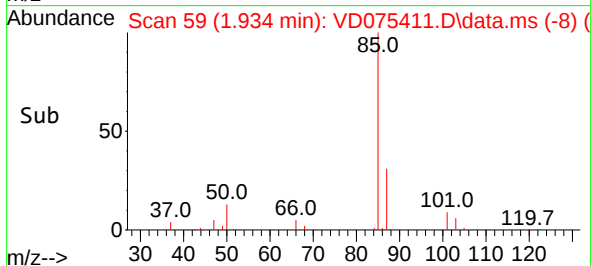
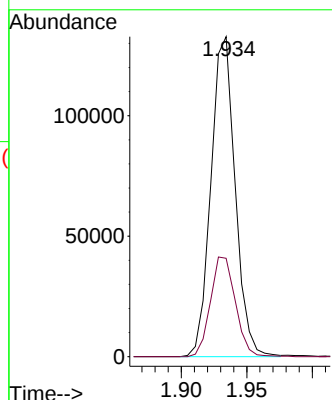
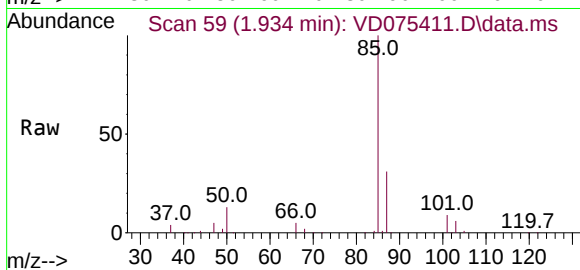
VSTD100105

Tgt Ion: 85 Resp: 170740

Ion Ratio Lower Upper

85 100

87 32.1 25.1 37.7



#3

Chloromethane

Concen: 162.693 ug/L

RT: 2.146 min Scan# 95

Delta R.T. 0.000 min

Lab File: VD075411.D

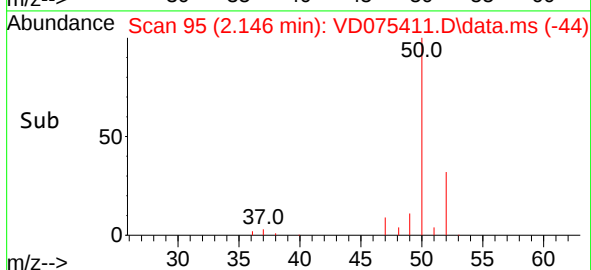
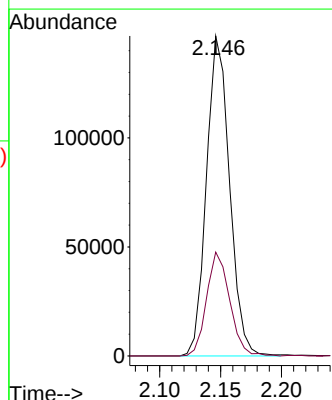
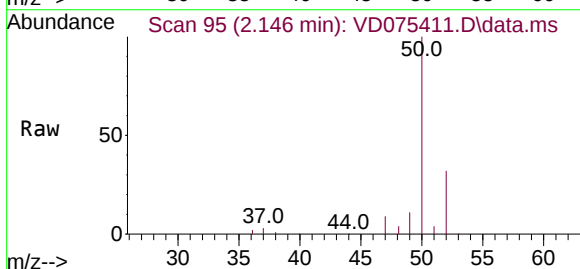
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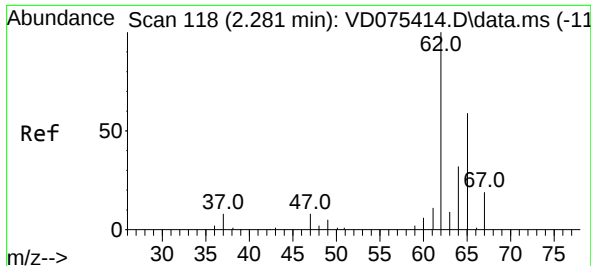
Tgt Ion: 50 Resp: 193599

Ion Ratio Lower Upper

50 100

52 32.4 22.8 42.4

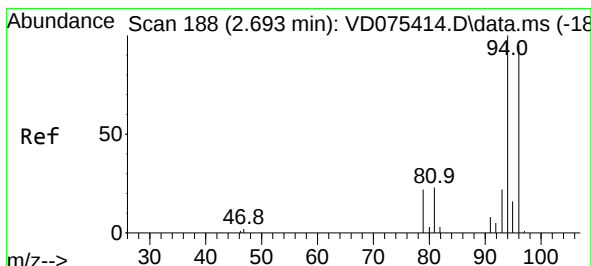
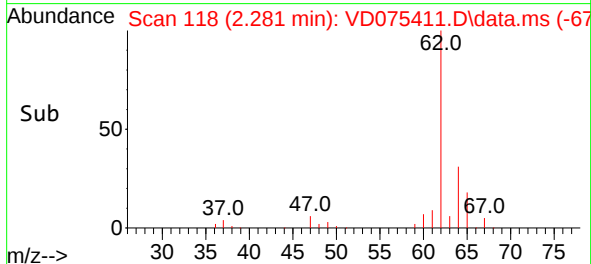
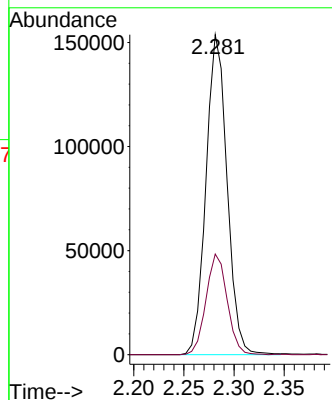
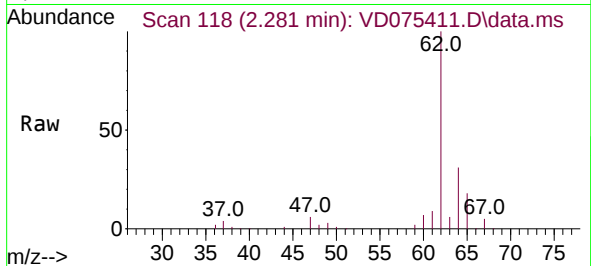




#5
 Vinyl chloride
 Concen: 154.260 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD075411.D
 Acq: 23 Feb 2023 13:29

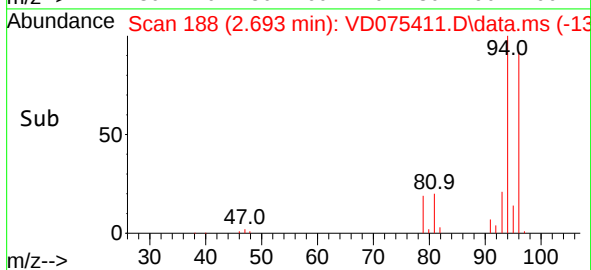
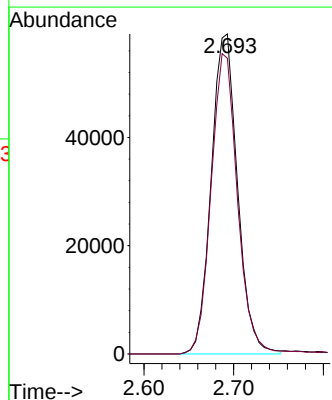
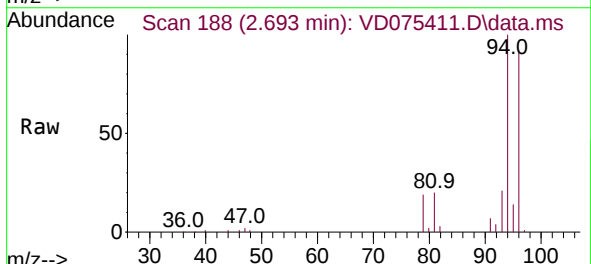
Instrument :
 MSVOA_D
 ClientSampleId :
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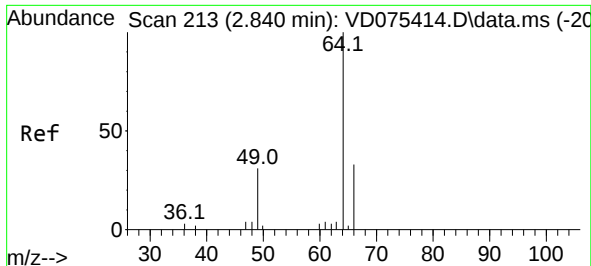
Tgt Ion: 62 Resp: 225106
 Ion Ratio Lower Upper
 62 100
 64 31.5 22.4 41.6



#6
 Bromomethane
 Concen: 159.333 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD075411.D
 Acq: 23 Feb 2023 13:29

Tgt Ion: 94 Resp: 120329
 Ion Ratio Lower Upper
 94 100
 96 92.4 66.4 123.4

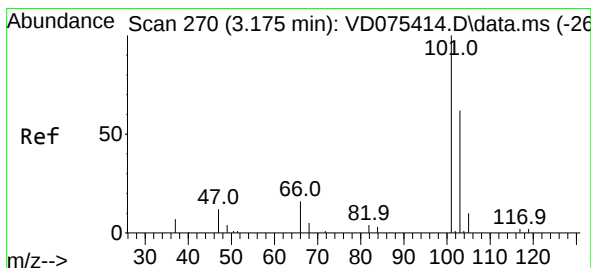
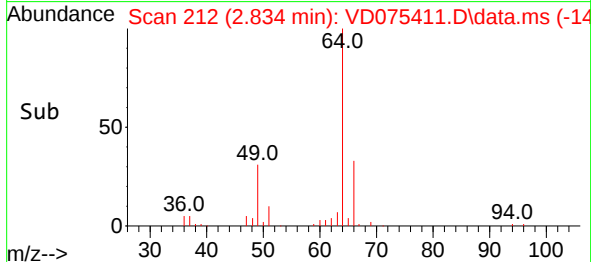
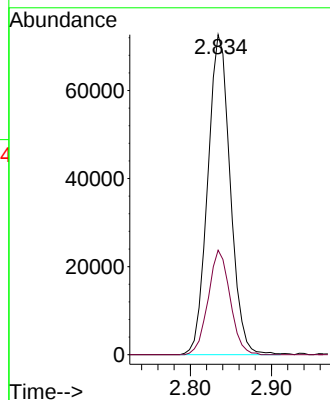
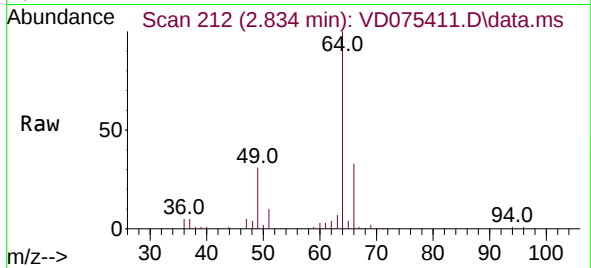




#8
Chloroethane
Concen: 187.653 ug/L
RT: 2.834 min Scan# 213
Delta R.T. -0.006 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

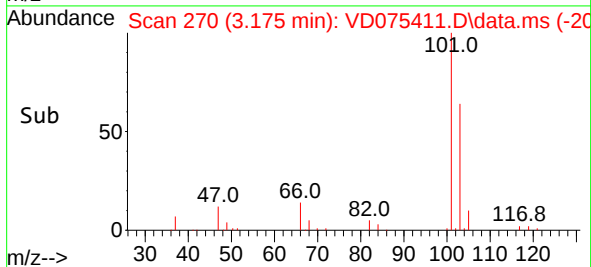
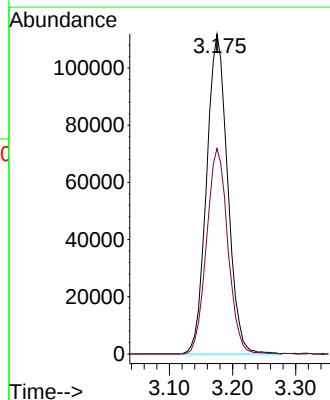
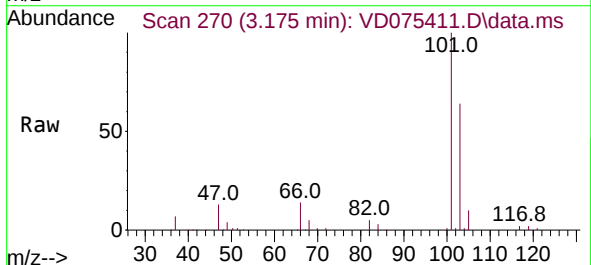
Instrument :
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VSTD100105

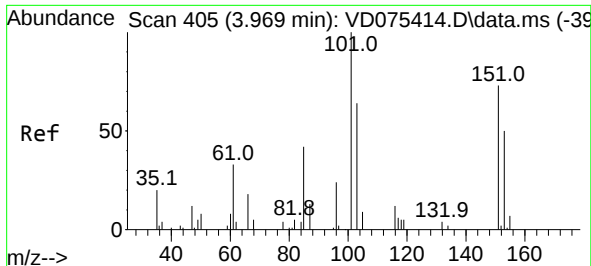
Tgt Ion: 64 Resp: 139731
Ion Ratio Lower Upper
64 100
66 32.6 23.2 43.0



#9
Trichlorofluoromethane
Concen: 211.292 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

Tgt Ion:101 Resp: 259262
Ion Ratio Lower Upper
101 100
103 64.8 50.2 75.2

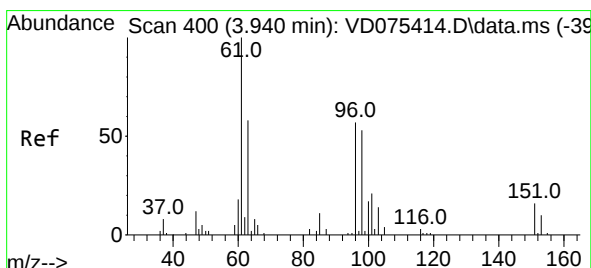
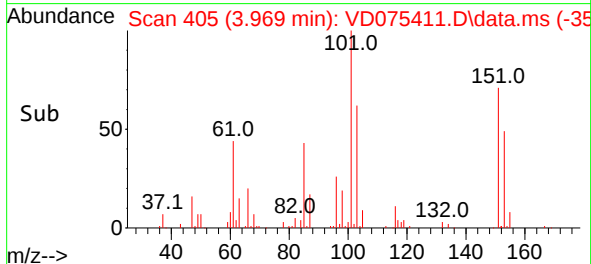
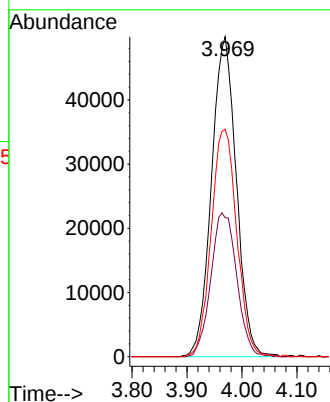
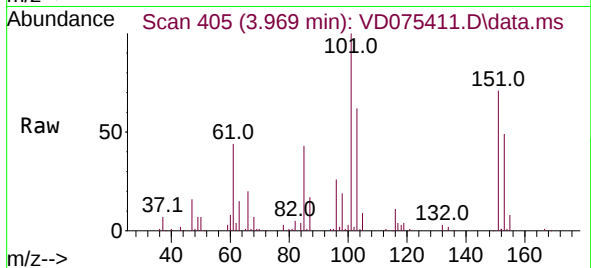




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 118.048 ug/L
 RT: 3.969 min Scan# 405
 Delta R.T. 0.000 min
 Lab File: VD075411.D
 Acq: 23 Feb 2023 13:29

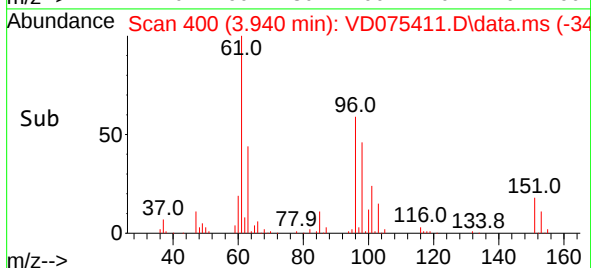
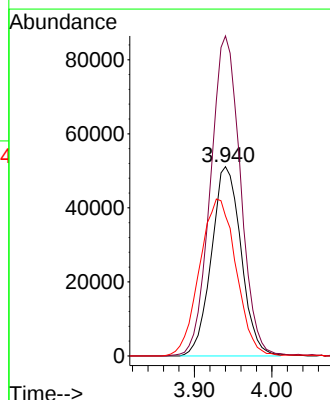
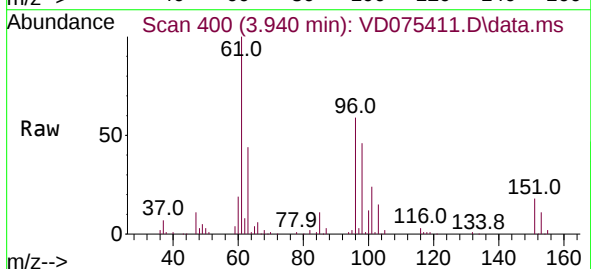
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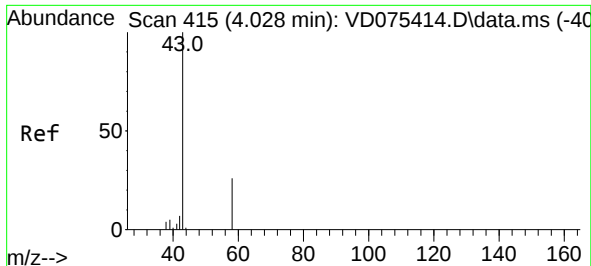
Tgt Ion:101 Resp: 156572
 Ion Ratio Lower Upper
 101 100
 85 46.8 36.7 55.1
 151 73.1 58.2 87.2



#12
 1,1-Dichloroethene
 Concen: 109.764 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VD075411.D
 Acq: 23 Feb 2023 13:29

Tgt Ion: 96 Resp: 136013
 Ion Ratio Lower Upper
 96 100
 61 169.0 123.8 229.8
 63 73.9 81.3 150.9





#13

Acetone

Concen: 166.512 ug/L

RT: 4.022 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD075411.D

Acq: 23 Feb 2023 13:29

Instrument :

MSVOA_D

ClientSampleId :

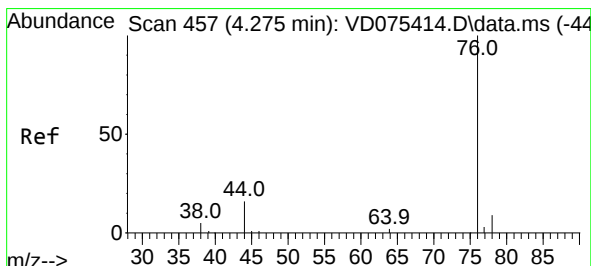
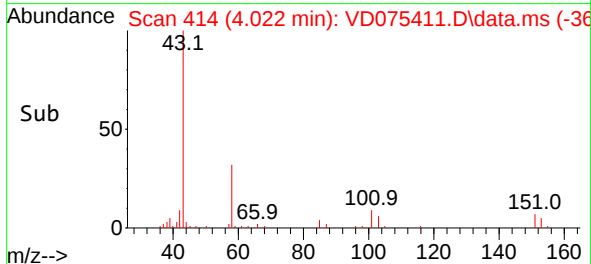
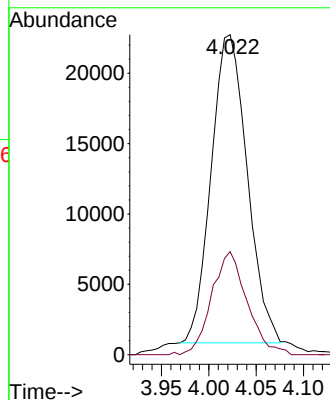
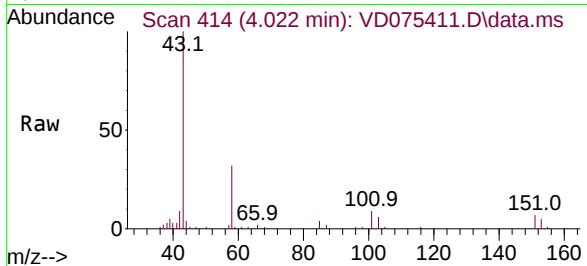
VSTD100105

Tgt Ion: 43 Resp: 57909

Ion Ratio Lower Upper

43 100

58 32.8 0.0 53.8



#14

Carbon disulfide

Concen: 103.035 ug/L

RT: 4.269 min Scan# 456

Delta R.T. -0.006 min

Lab File: VD075411.D

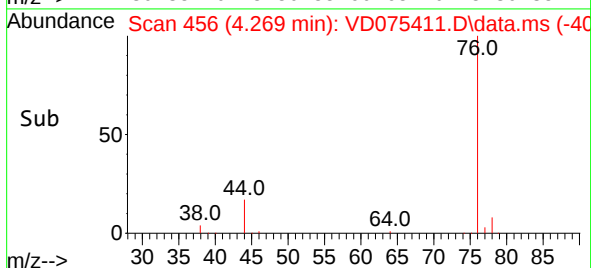
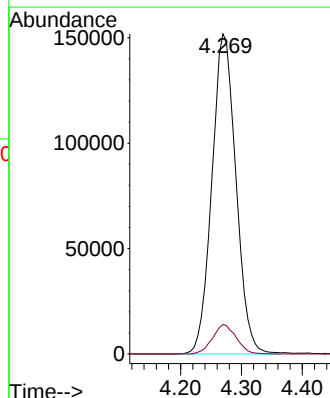
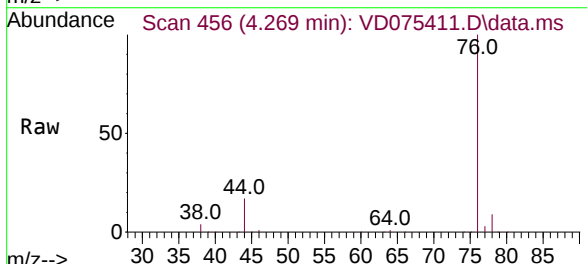
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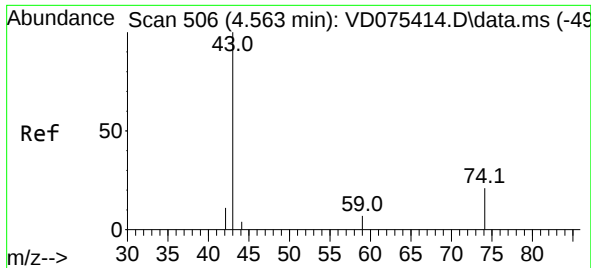
Tgt Ion: 76 Resp: 416235

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

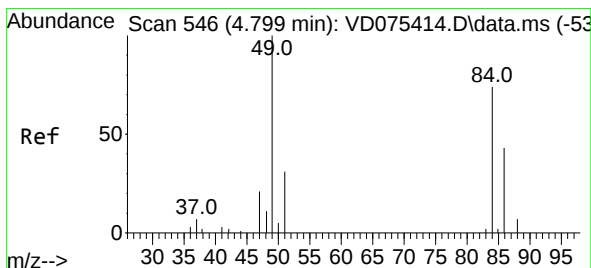
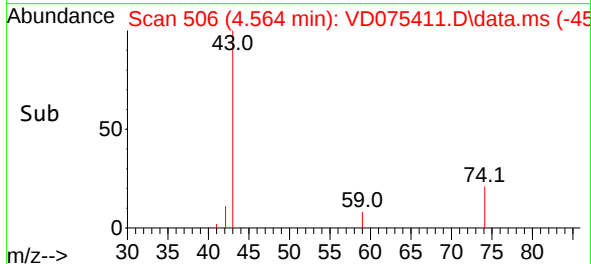
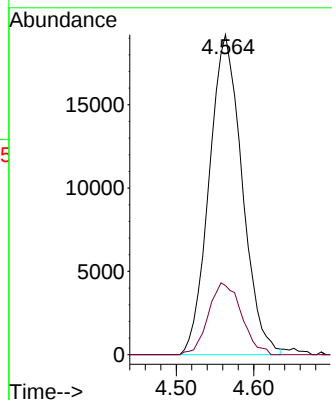
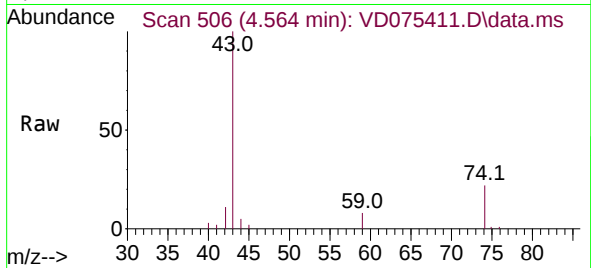




#15
Methyl Acetate
Concen: 109.750 ug/L
RT: 4.564 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

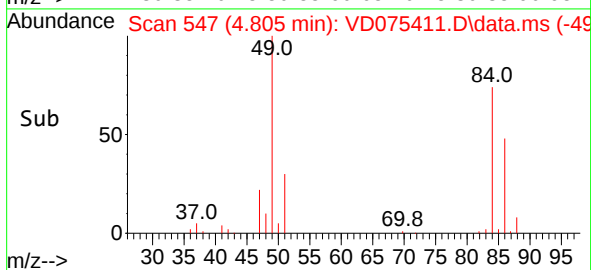
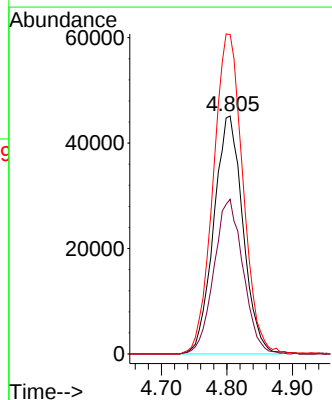
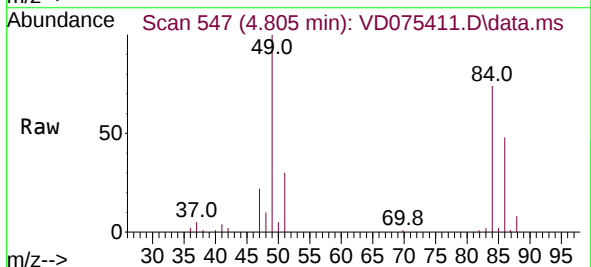
Instrument :
MSVOA_D
ClientSampleId :
VSTD100105

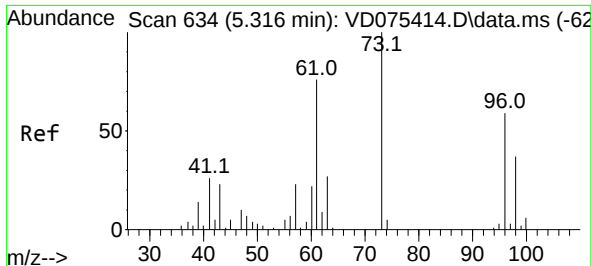
Tgt Ion: 43 Resp: 56706
Ion Ratio Lower Upper
43 100
74 22.3 11.7 17.5#



#16
Methylene chloride
Concen: 89.184 ug/L
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

Tgt Ion: 84 Resp: 139267
Ion Ratio Lower Upper
84 100
86 65.0 41.0 76.2
49 134.3 95.2 176.8

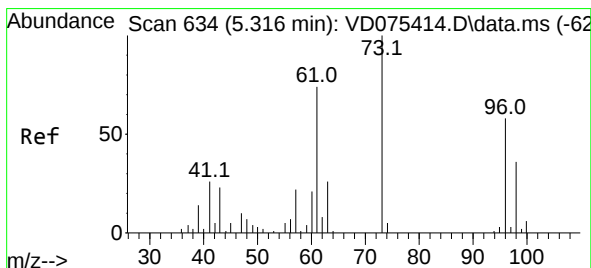
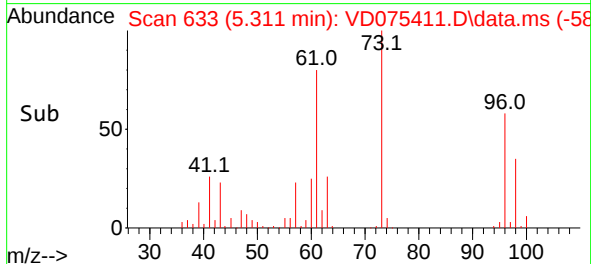
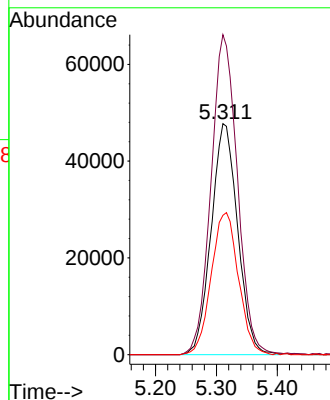
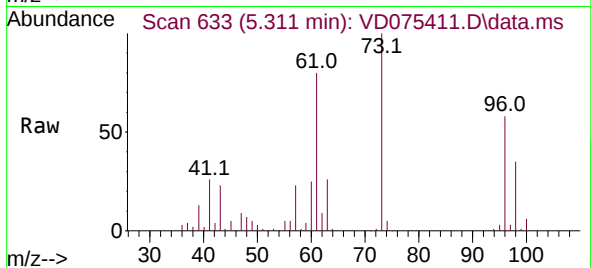




#17
trans-1,2-Dichloroethene
Concen: 108.620 ug/L
RT: 5.311 min Scan# 611
Delta R.T. -0.006 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

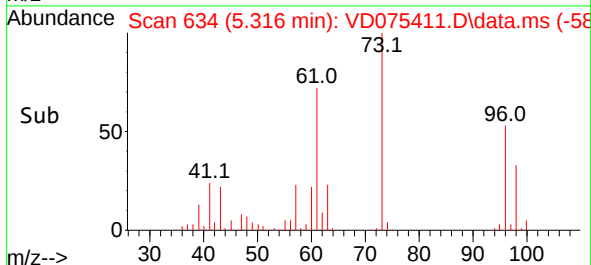
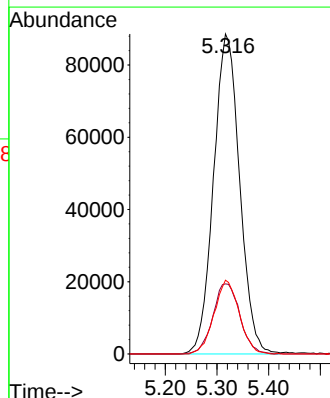
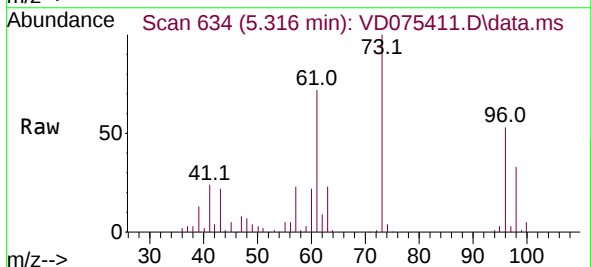
Instrument :
MSVOA_D
ClientSampleId :
VSTD100105

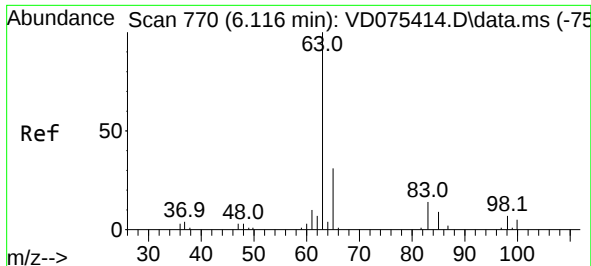
Tgt Ion: 96 Resp: 144311
Ion Ratio Lower Upper
96 100
61 138.5 90.2 167.4
98 60.3 43.7 81.1



#18
Methyl tert-butyl Ether
Concen: 150.830 ug/L
RT: 5.316 min Scan# 634
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

Tgt Ion: 73 Resp: 310263
Ion Ratio Lower Upper
73 100
43 22.7 17.8 26.6
57 22.3 18.0 27.0





#19

1,1-Dichloroethane

Concen: 113.582 ug/L

RT: 6.116 min Scan# 770

Delta R.T. 0.000 min

Lab File: VD075411.D

Acq: 23 Feb 2023 13:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD100105

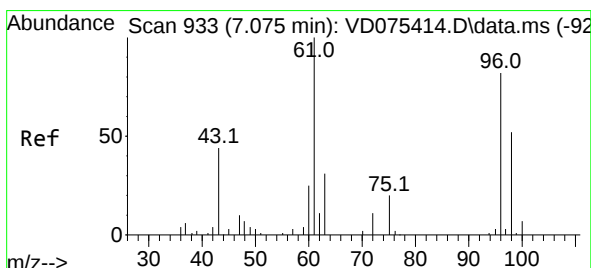
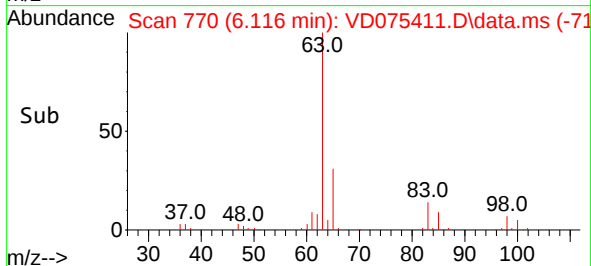
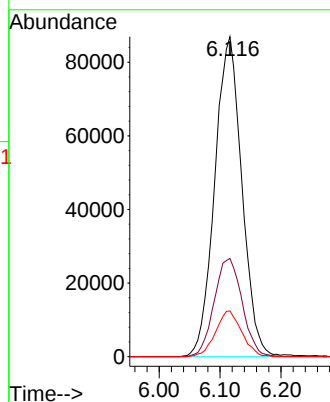
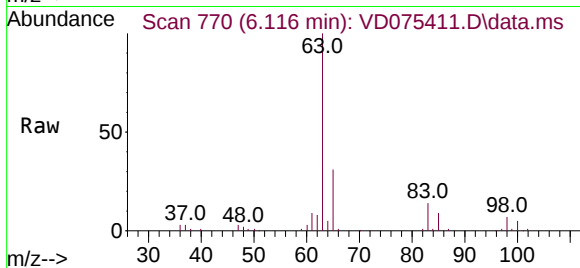
Tgt Ion: 63 Resp: 268709

Ion Ratio Lower Upper

63 100

65 30.7 21.8 40.4

83 14.3 9.9 18.5



#20

cis-1,2-Dichloroethene

Concen: 114.454 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD075411.D

Acq: 23 Feb 2023 13:29

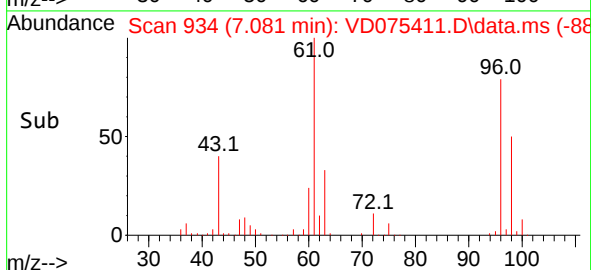
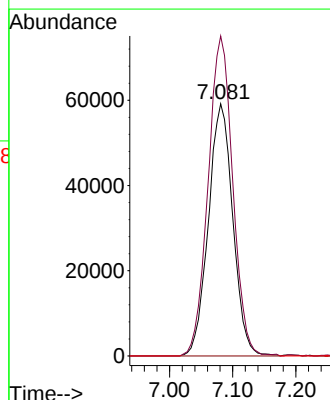
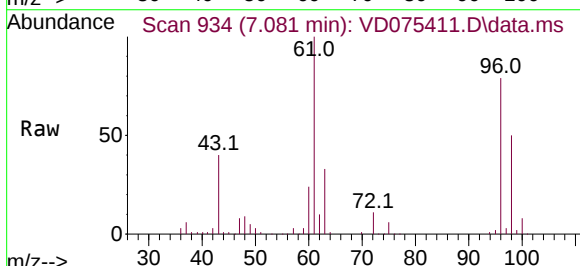
Tgt Ion: 96 Resp: 159339

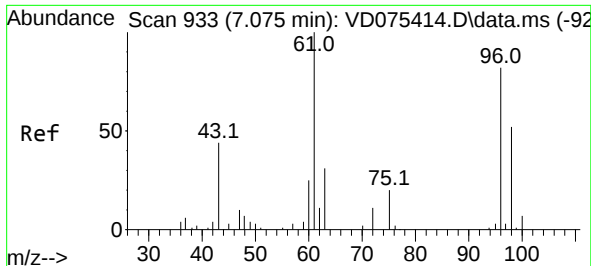
Ion Ratio Lower Upper

96 100

61 126.9 85.3 158.5

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 211.779 ug/L

RT: 7.081 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD075411.D

Acq: 23 Feb 2023 13:29

Instrument :

MSVOA_D

ClientSampleId :

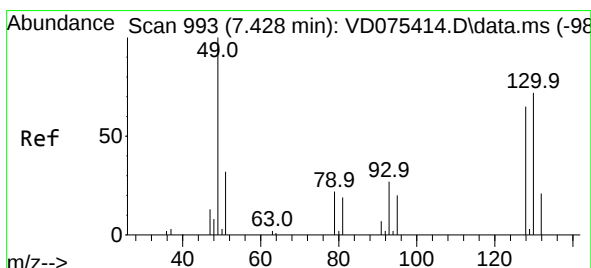
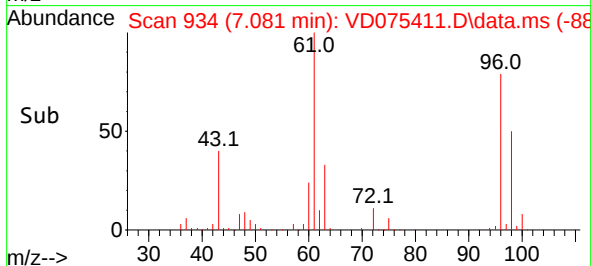
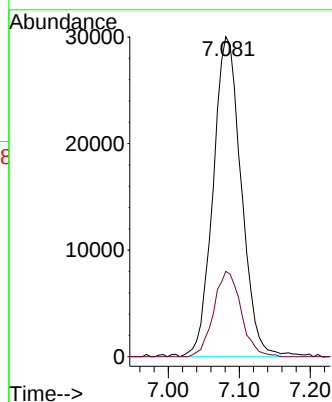
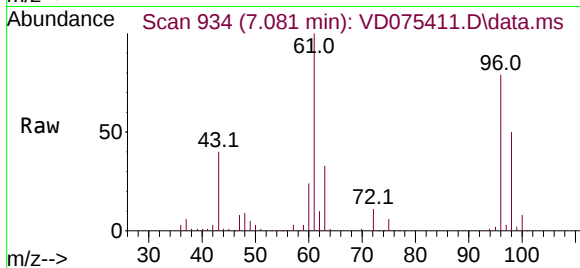
VSTD100105

Tgt Ion: 43 Resp: 82259

Ion Ratio Lower Upper

43 100

72 26.1 12.8 38.3



#23

Bromochloromethane

Concen: 110.501 ug/L

RT: 7.428 min Scan# 993

Delta R.T. 0.000 min

Lab File: VD075411.D

Acq: 23 Feb 2023 13:29

Tgt Ion:128 Resp: 65154

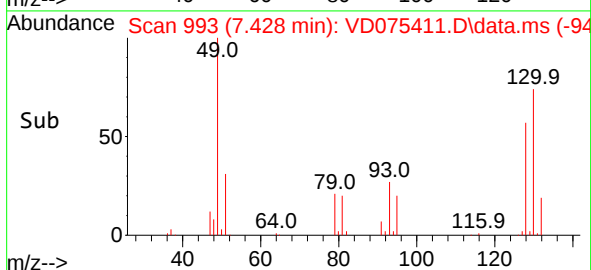
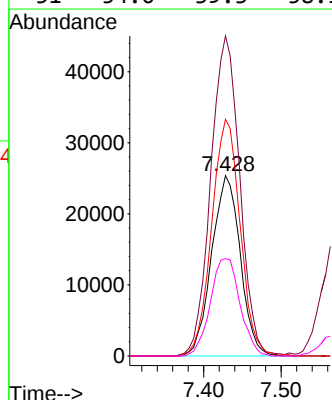
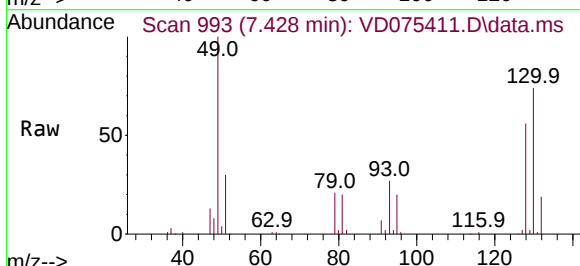
Ion Ratio Lower Upper

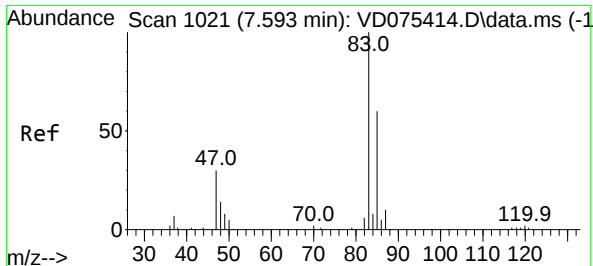
128 100

49 177.5 108.4 201.2

130 131.3 77.9 144.7

51 54.0 39.3 58.9

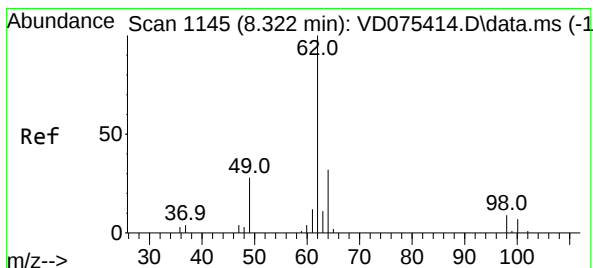
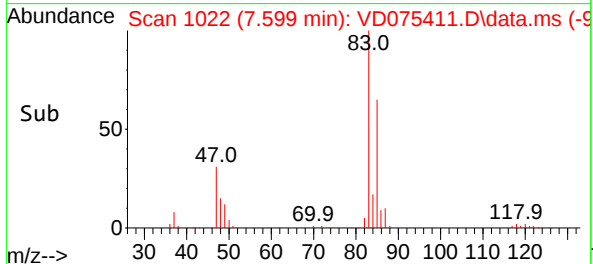
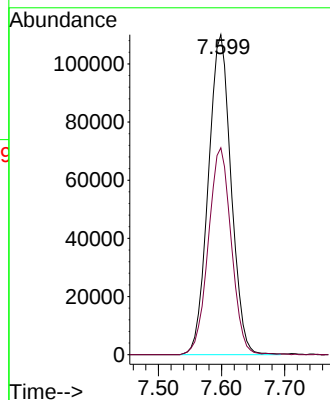
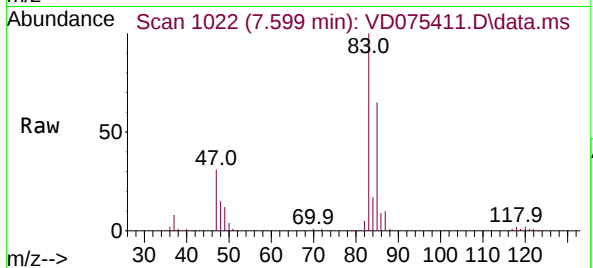




#25
Chloroform
Concen: 116.736 ug/L
RT: 7.599 min Scan# 1021
Delta R.T. 0.006 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

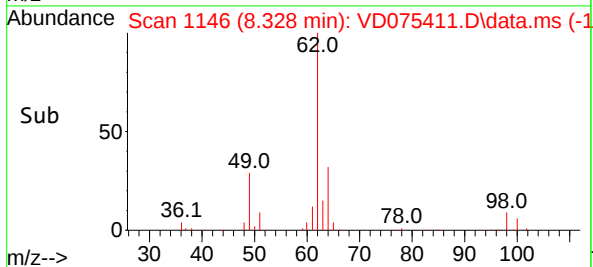
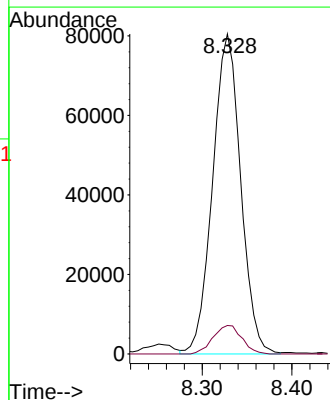
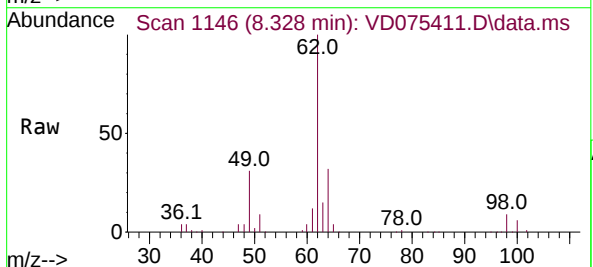
Instrument :
MSVOA_D
ClientSampleId :
VSTD100105

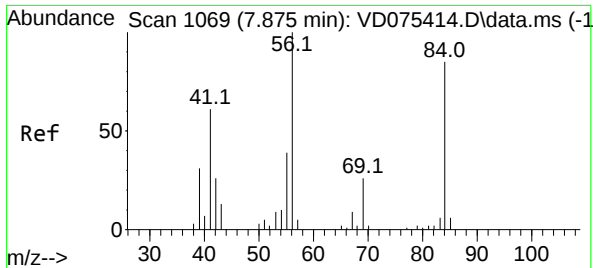
Tgt Ion: 83 Resp: 275566
Ion Ratio Lower Upper
83 100
85 64.6 42.1 78.3



#27
1,2-Dichloroethane
Concen: 119.562 ug/L
RT: 8.328 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

Tgt Ion: 62 Resp: 174800
Ion Ratio Lower Upper
62 100
98 8.9 6.8 10.2

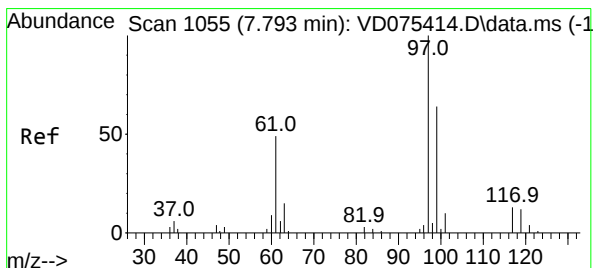
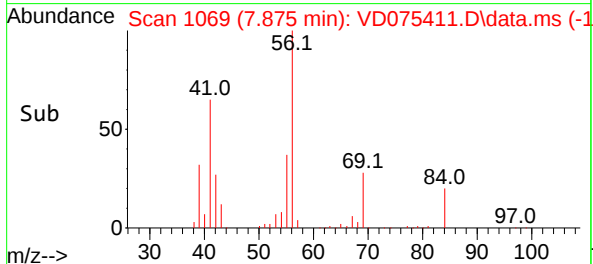
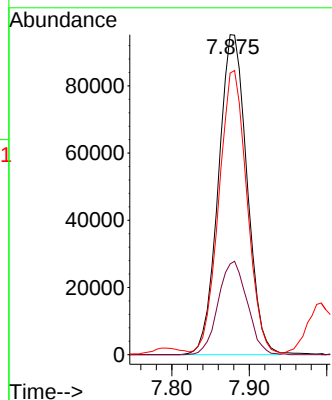
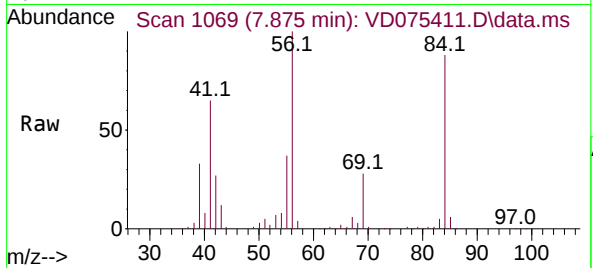




#29
Cyclohexane
Concen: 101.582 ug/L
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

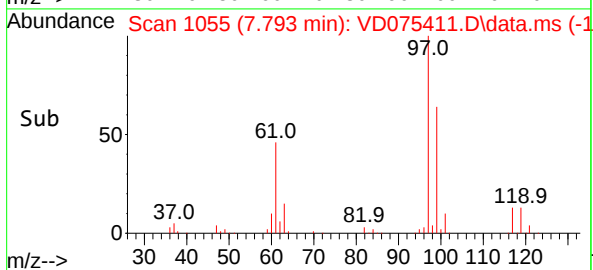
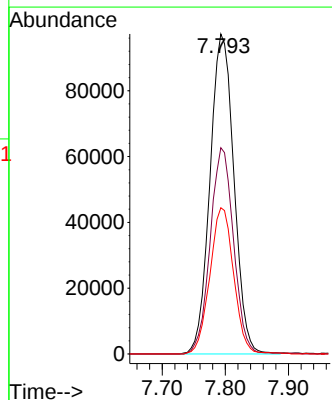
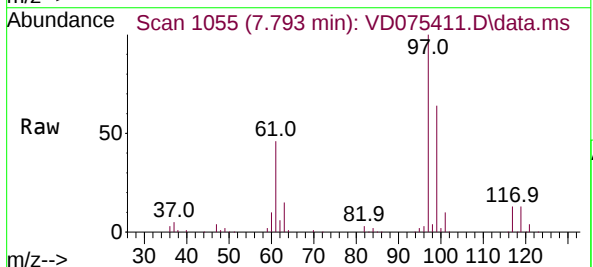
Instrument :
MSVOA_D
ClientSampleId :
VSTD100105

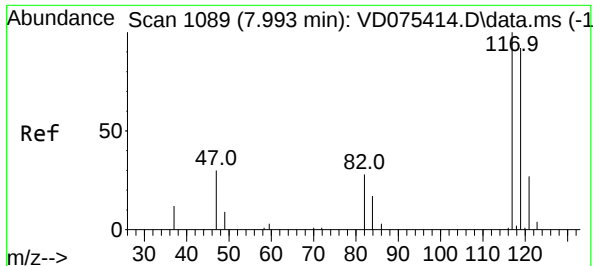
Tgt Ion: 56 Resp: 244391
Ion Ratio Lower Upper
56 100
69 29.5 23.2 34.8
84 87.8 70.1 105.1



#30
1,1,1-Trichloroethane
Concen: 119.542 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

Tgt Ion: 97 Resp: 256428
Ion Ratio Lower Upper
97 100
99 62.9 52.6 78.8
61 45.4 37.8 56.8

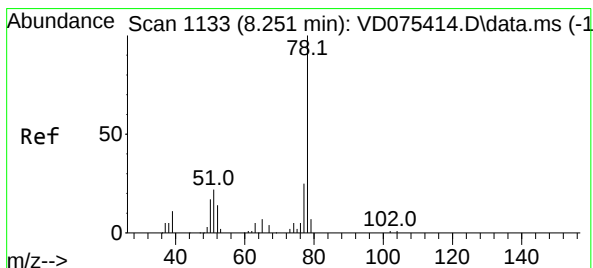
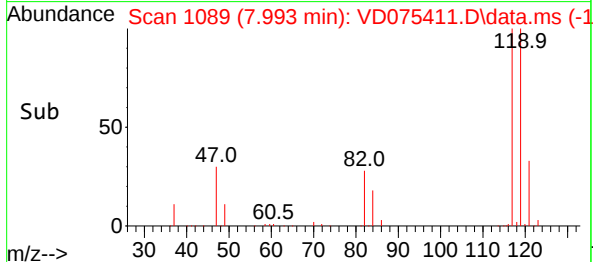
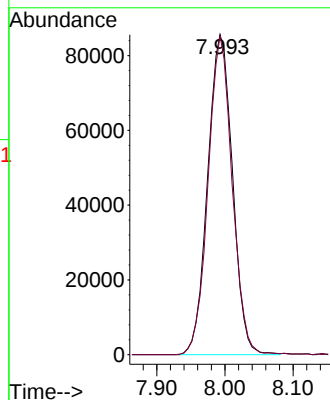
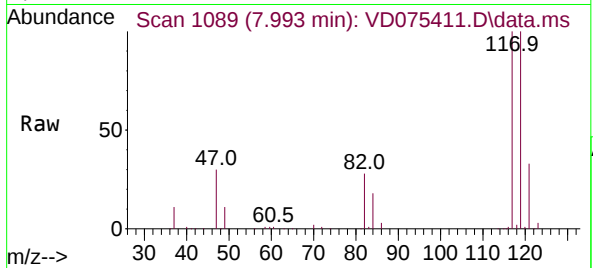




#31
Carbon tetrachloride
Concen: 112.103 ug/L
RT: 7.993 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

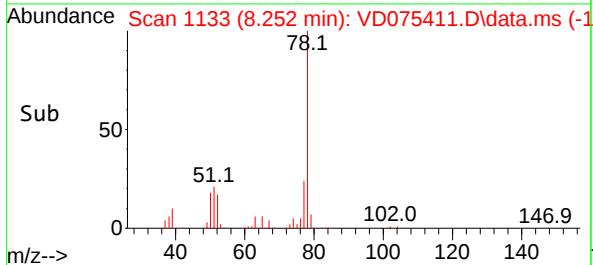
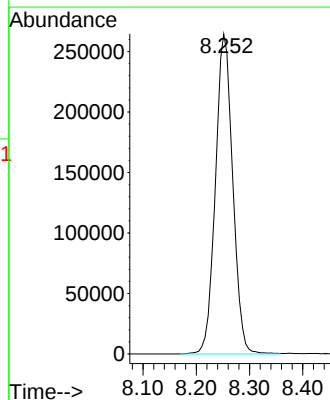
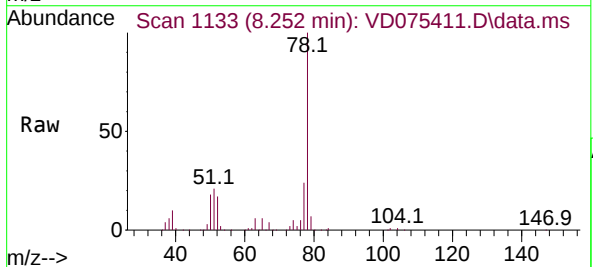
Instrument :
MSVOA_D
ClientSampleId :
VSTD100105

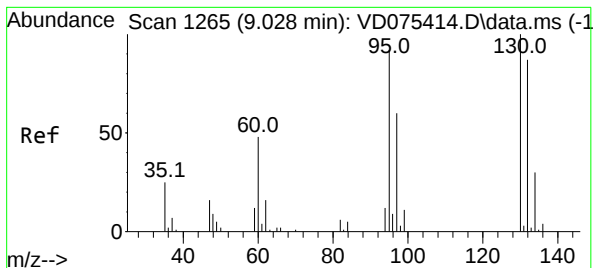
Tgt Ion:117 Resp: 217170
Ion Ratio Lower Upper
117 100
119 96.1 76.2 114.2



#33
Benzene
Concen: 105.979 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

Tgt Ion: 78 Resp: 597315





#34

Trichloroethene

Concen: 107.706 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD075411.D

Acq: 23 Feb 2023 13:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD100105

Tgt Ion: 95 Resp: 158808

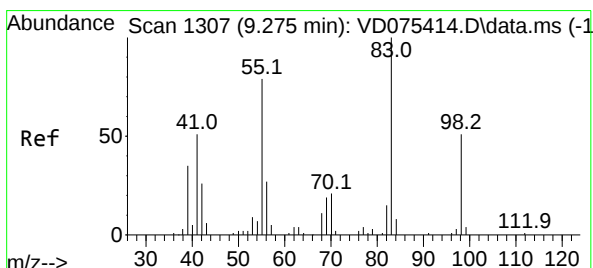
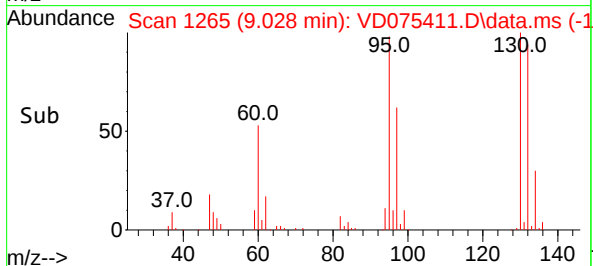
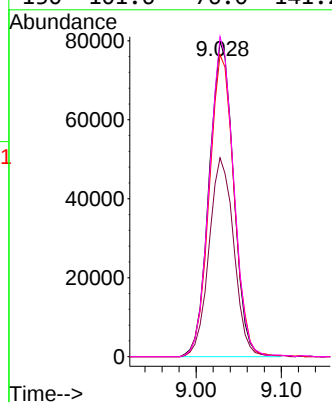
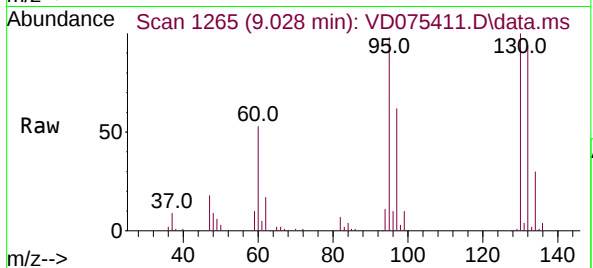
Ion Ratio Lower Upper

95 100

97 63.1 45.4 84.4

132 95.9 65.9 122.3

130 101.6 76.0 141.2



#35

Methylcyclohexane

Concen: 101.653 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VD075411.D

Acq: 23 Feb 2023 13:29

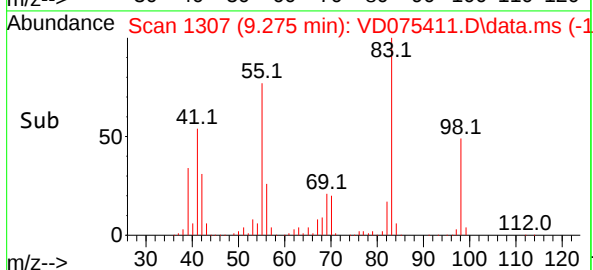
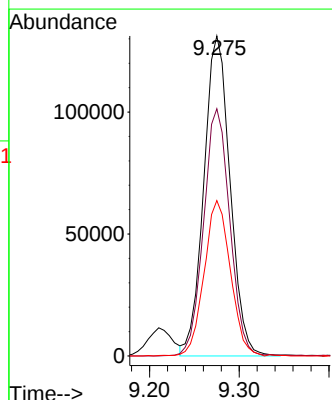
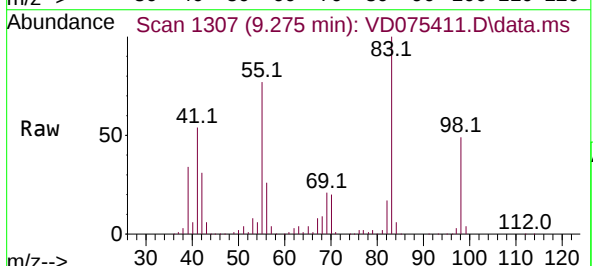
Tgt Ion: 83 Resp: 266623

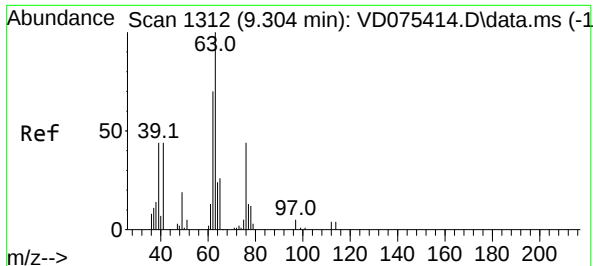
Ion Ratio Lower Upper

83 100

55 77.2 60.6 90.8

98 48.5 39.6 59.4

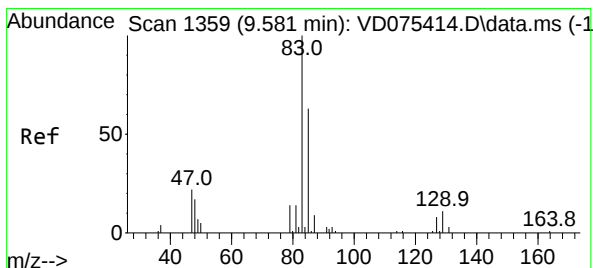
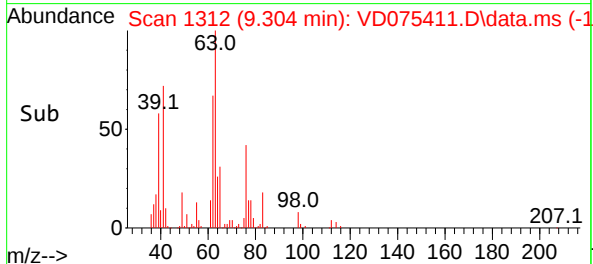
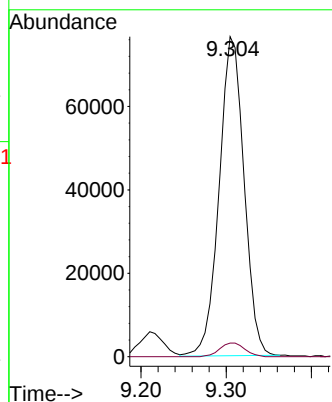
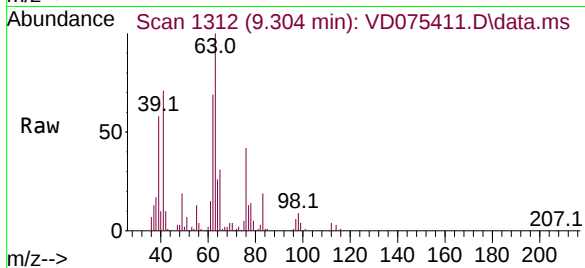




#37
1,2-Dichloropropane
Concen: 110.025 ug/L
RT: 9.304 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

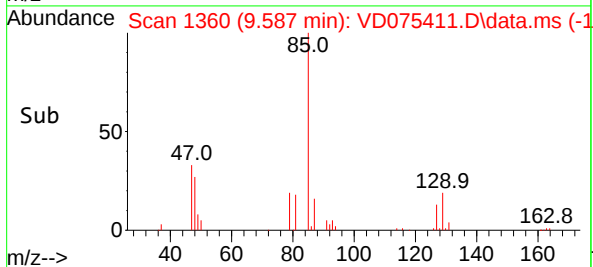
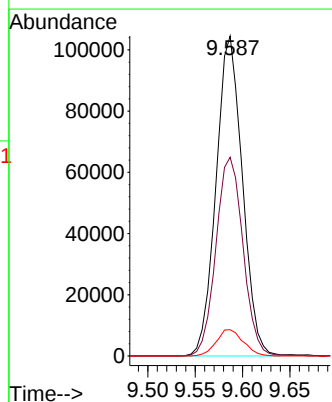
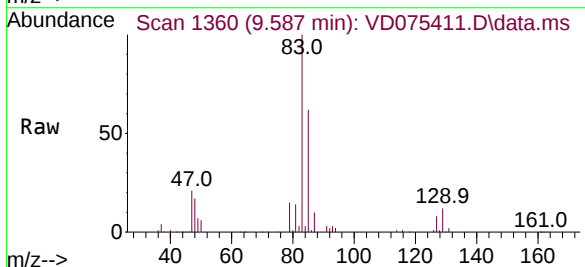
Instrument :
MSVOA_D
ClientSampleId :
VSTD100105

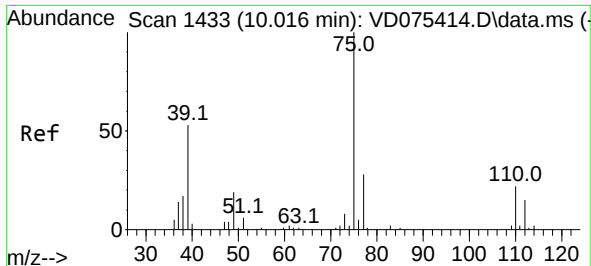
Tgt Ion: 63 Resp: 155392
Ion Ratio Lower Upper
63 100
112 4.3 3.5 5.3



#38
Bromodichloromethane
Concen: 113.836 ug/L
RT: 9.587 min Scan# 1360
Delta R.T. 0.006 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

Tgt Ion: 83 Resp: 202112
Ion Ratio Lower Upper
83 100
85 62.1 43.9 81.5
127 8.2 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 112.300 ug/L

RT: 10.022 min Scan# 1433

Delta R.T. 0.006 min

Lab File: VD075411.D

Acq: 23 Feb 2023 13:29

Instrument :

MSVOA_D

ClientSampleId :

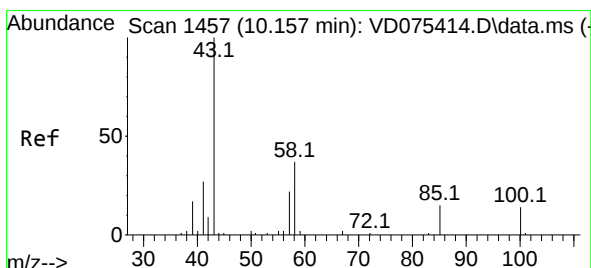
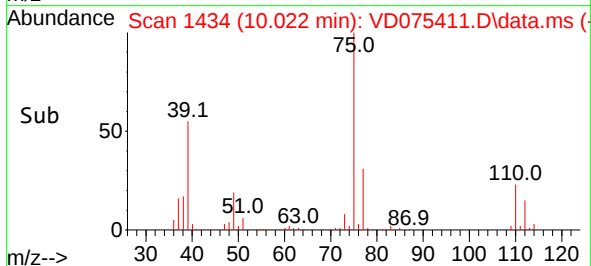
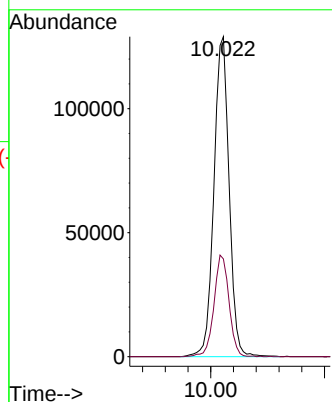
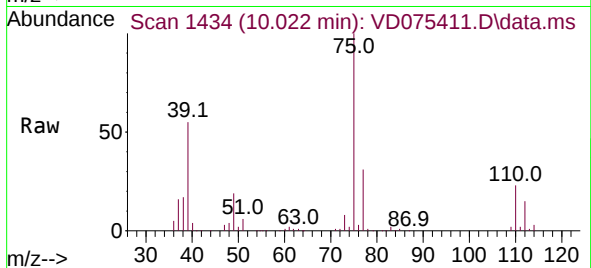
VSTD100105

Tgt Ion: 75 Resp: 239106

Ion Ratio Lower Upper

75 100

77 30.5 19.3 35.9



#40

4-Methyl-2-pentanone

Concen: 232.567 ug/L

RT: 10.163 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VD075411.D

Acq: 23 Feb 2023 13:29

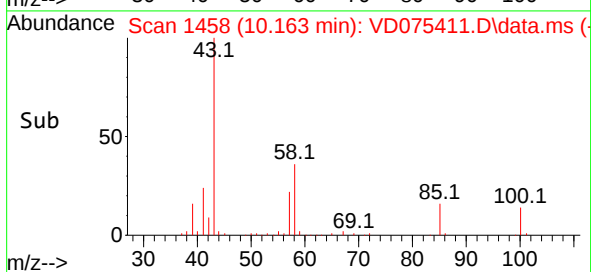
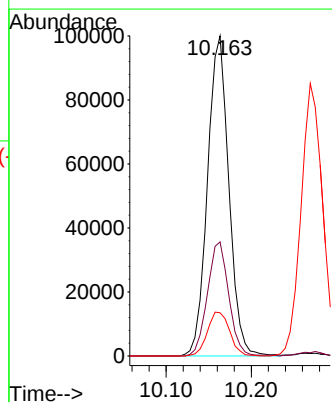
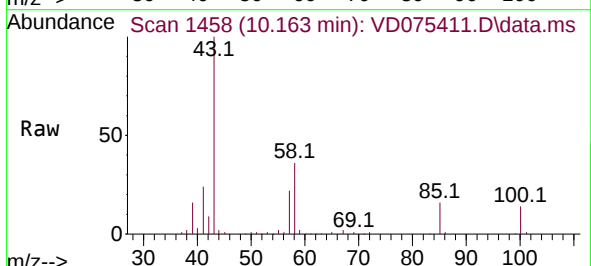
Tgt Ion: 43 Resp: 173979

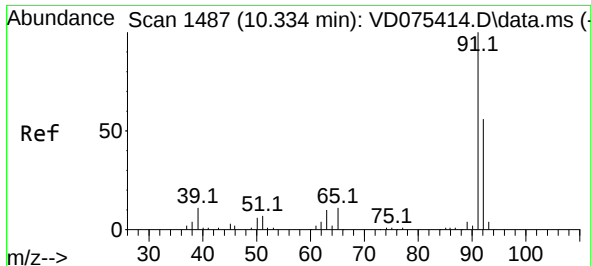
Ion Ratio Lower Upper

43 100

58 35.6 29.5 44.3

100 14.3 11.4 17.2

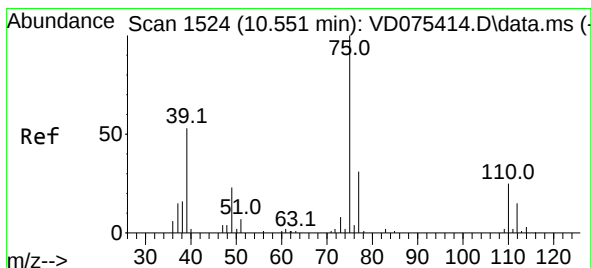
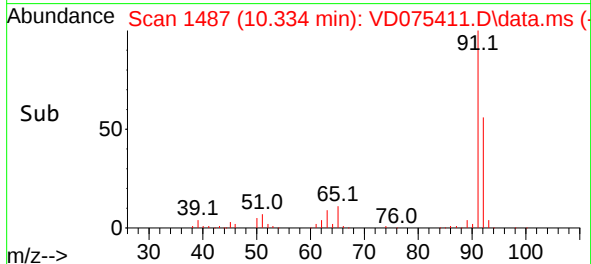
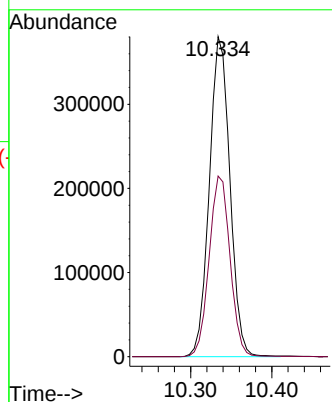
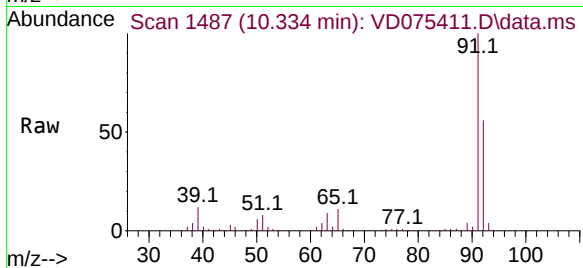




#42
Toluene
Concen: 111.977 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

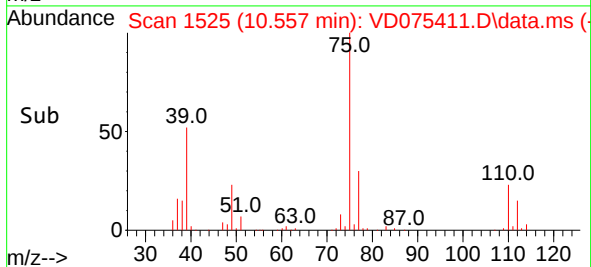
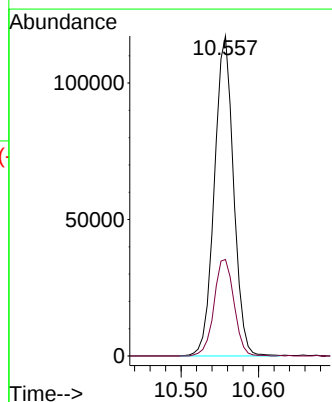
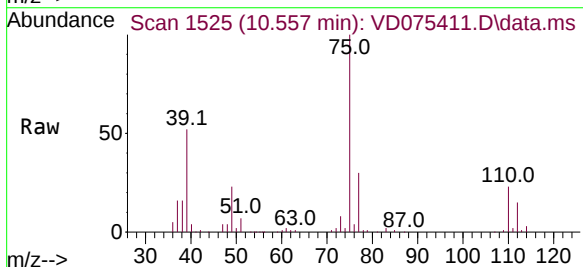
Instrument :
MSVOA_D
ClientSampleId :
VSTD100105

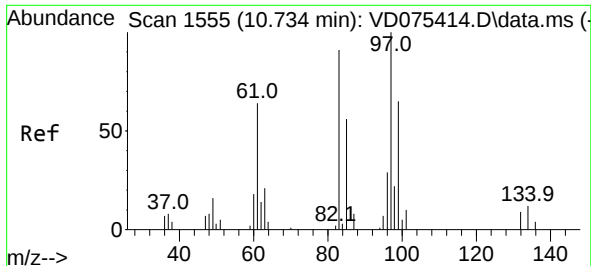
Tgt Ion: 91 Resp: 668625
Ion Ratio Lower Upper
91 100
92 56.5 39.3 73.1



#44
trans-1,3-Dichloropropene
Concen: 110.533 ug/L
RT: 10.557 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

Tgt Ion: 75 Resp: 201329
Ion Ratio Lower Upper
75 100
77 30.2 21.4 39.8



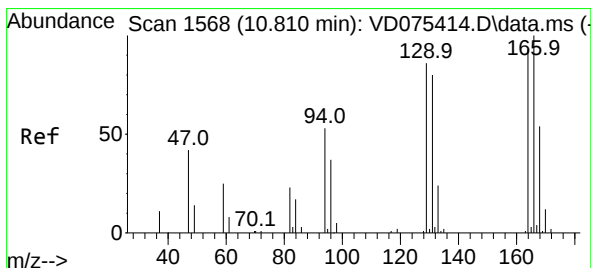
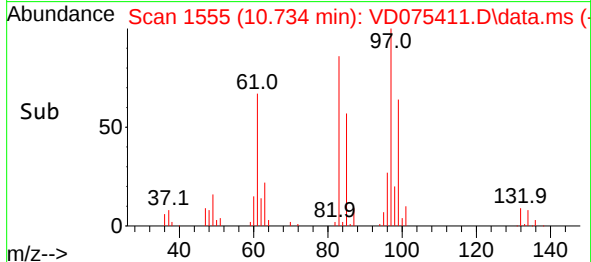
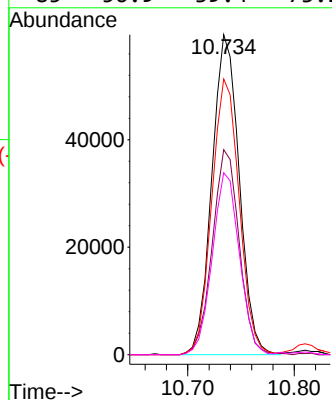
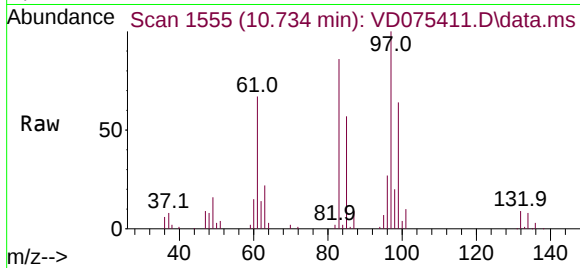


#45
1,1,2-Trichloroethane
Concen: 107.965 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

Instrument :
MSVOA_D
ClientSampleId :
VSTD100105

Tgt Ion: 97 Resp: 105951

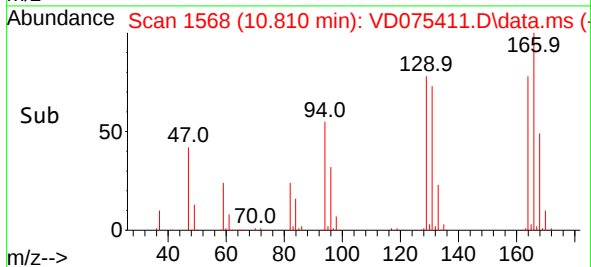
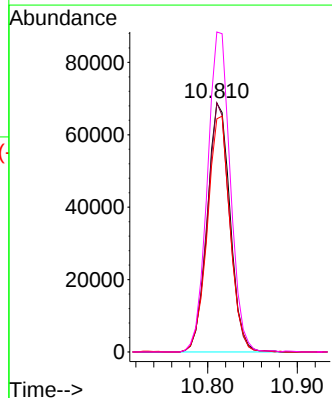
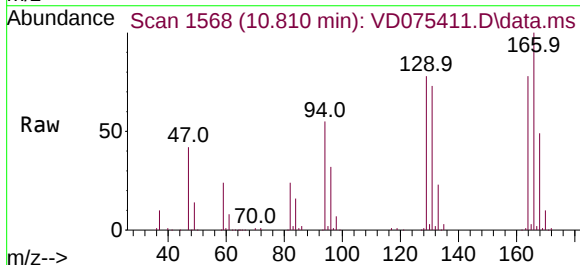
Ion	Ratio	Lower	Upper
97	100		
99	64.0	45.4	84.2
83	86.2	63.8	118.6
85	56.9	39.4	73.2

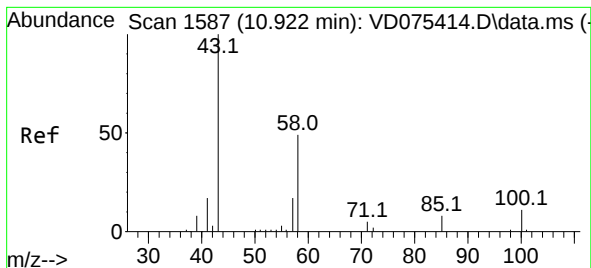


#46
Tetrachloroethene
Concen: 109.225 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

Tgt Ion: 164 Resp: 121693

Ion	Ratio	Lower	Upper
164	100		
129	100.1	64.8	120.4
131	93.7	60.1	111.5
166	128.6	75.7	140.5





#48

2-Hexanone

Concen: 225.883 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

Lab File: VD075411.D

Acq: 23 Feb 2023 13:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD100105

Tgt Ion: 43 Resp: 128730

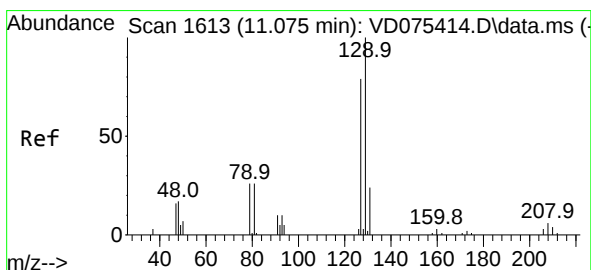
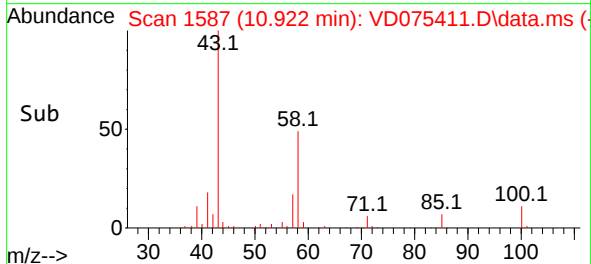
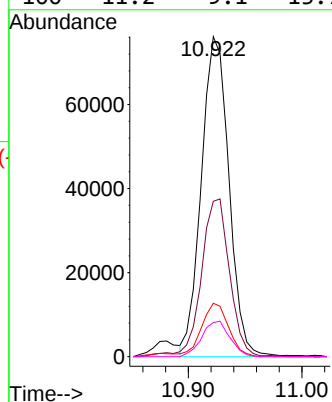
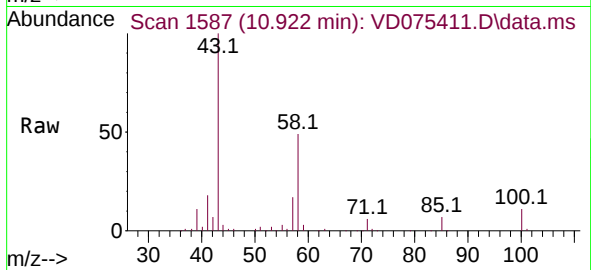
Ion Ratio Lower Upper

43 100

58 49.5 40.3 60.5

57 16.5 13.4 20.0

100 11.2 9.1 13.7



#49

Dibromochloromethane

Concen: 115.007 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD075411.D

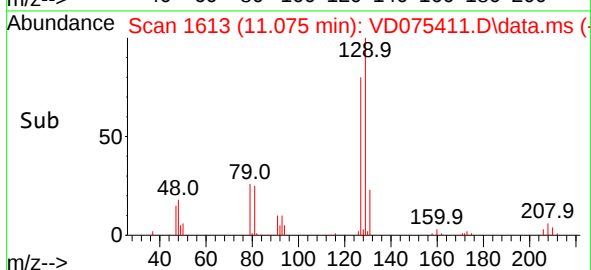
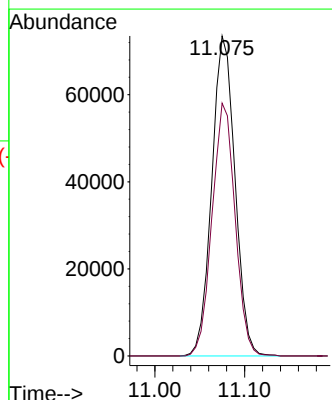
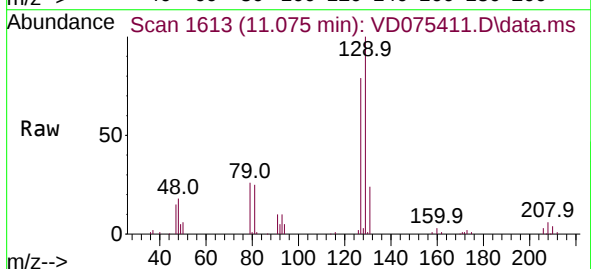
Acq: 23 Feb 2023 13:29

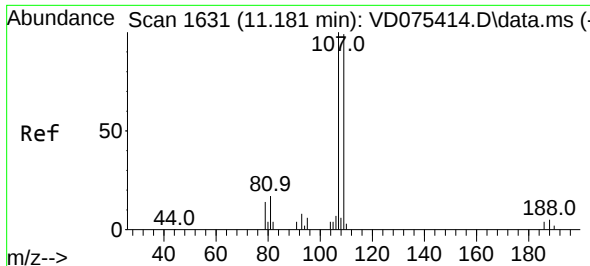
Tgt Ion:129 Resp: 131968

Ion Ratio Lower Upper

129 100

127 79.0 55.3 102.7

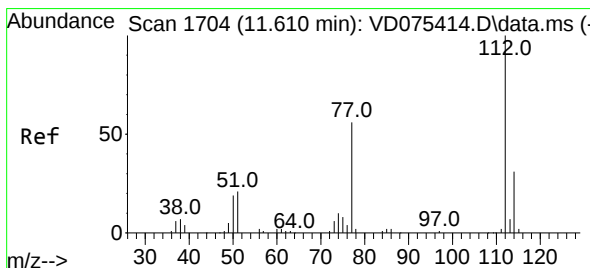
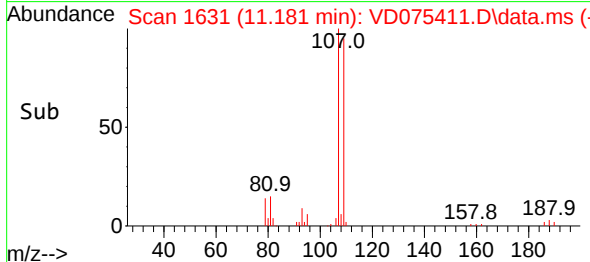
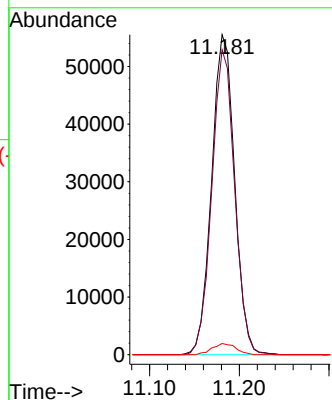
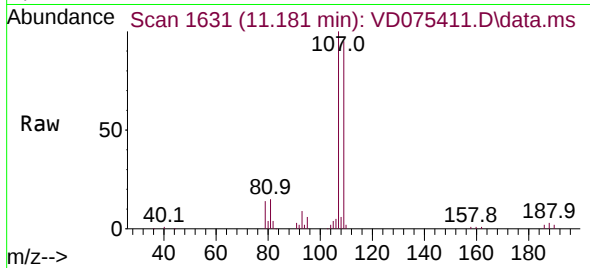




#50
1,2-Dibromoethane
Concen: 107.533 ug/L
RT: 11.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

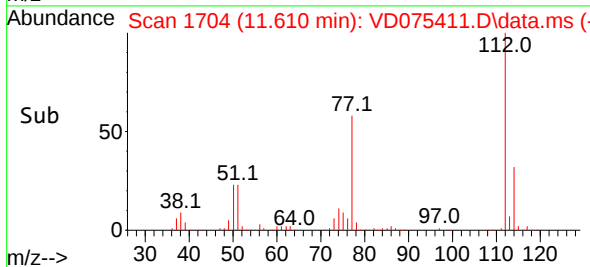
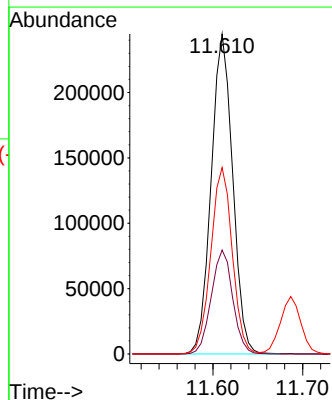
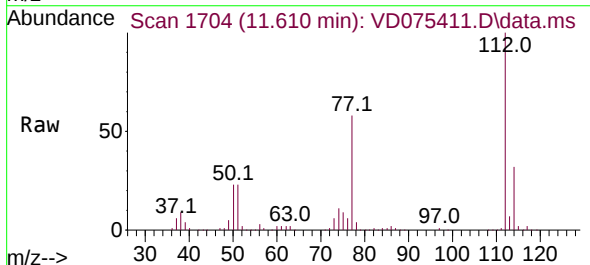
Instrument :
MSVOA_D
ClientSampleId :
VSTD100105

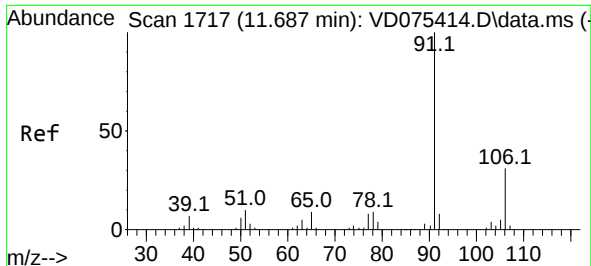
Tgt Ion:107 Resp: 98834
Ion Ratio Lower Upper
107 100
109 95.3 69.6 129.2
188 3.5 3.8 5.6#



#51
Chlorobenzene
Concen: 108.800 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

Tgt Ion:112 Resp: 407161
Ion Ratio Lower Upper
112 100
114 32.4 21.4 39.8
77 58.2 45.1 67.7

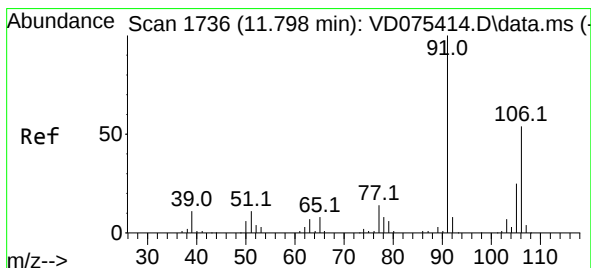
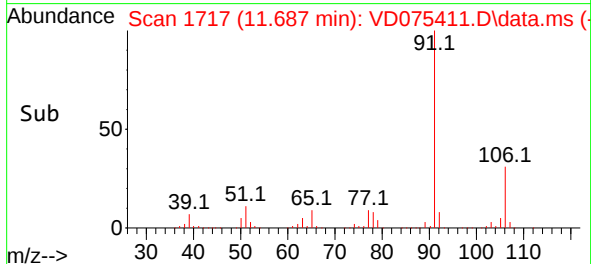
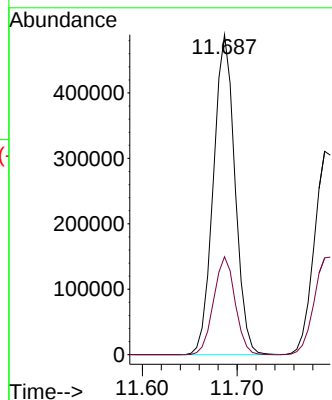
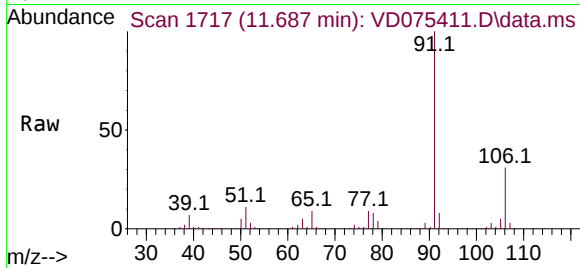




#52
Ethylbenzene
Concen: 116.119 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

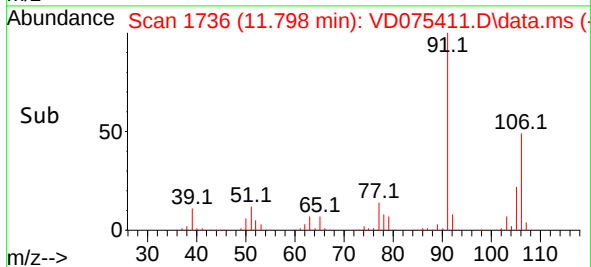
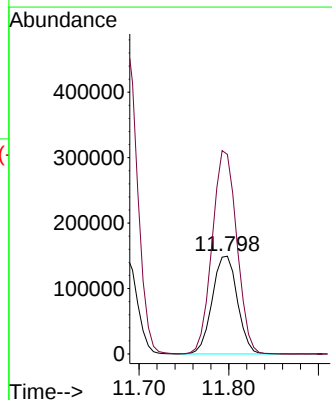
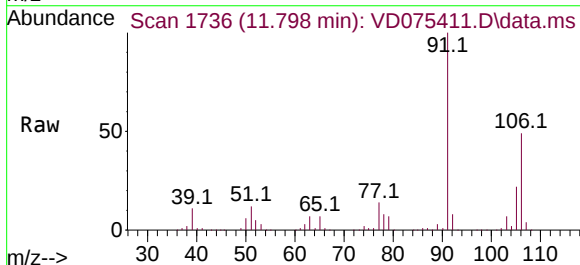
Instrument :
MSVOA_D
ClientSampleId :
VSTD100105

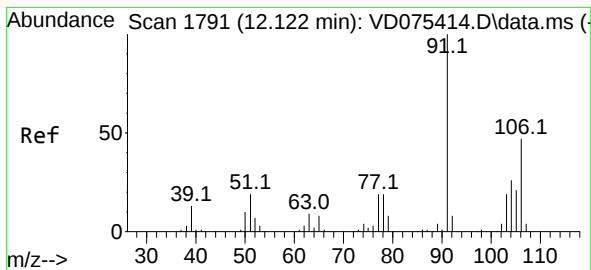
Tgt Ion: 91 Resp: 772031
Ion Ratio Lower Upper
91 100
106 30.6 21.8 40.6



#53
m,p-Xylene
Concen: 113.482 ug/L
RT: 11.798 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

Tgt Ion:106 Resp: 290639
Ion Ratio Lower Upper
106 100
91 204.3 131.2 243.6





#54

o-Xylene

Concen: 119.332 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD075411.D

Acq: 23 Feb 2023 13:29

Instrument :

MSVOA_D

ClientSampleId :

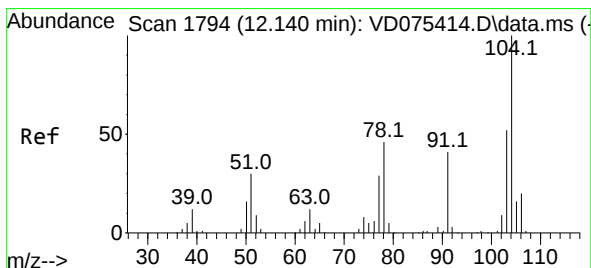
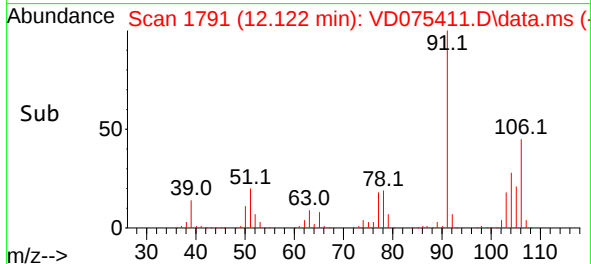
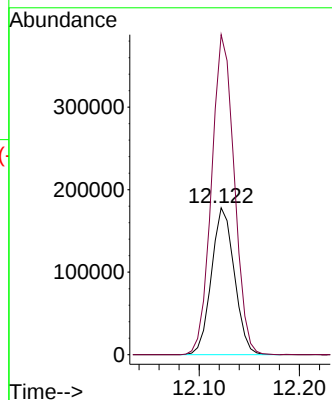
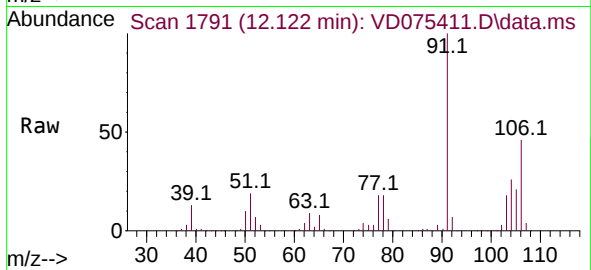
VSTD100105

Tgt Ion:106 Resp: 282288

Ion Ratio Lower Upper

106 100

91 217.8 147.7 274.3



#55

Styrene

Concen: 122.034 ug/L

RT: 12.140 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VD075411.D

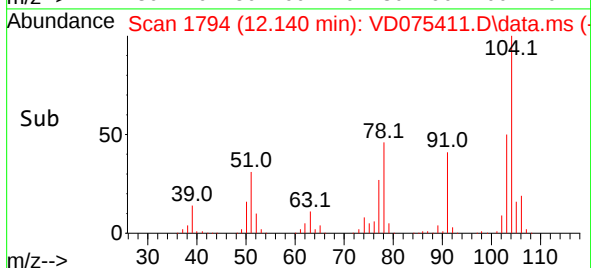
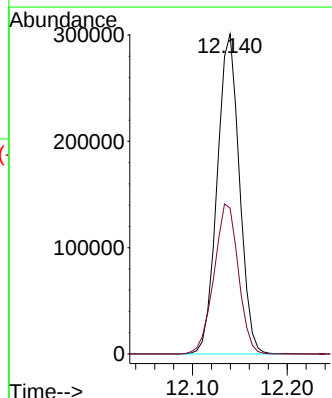
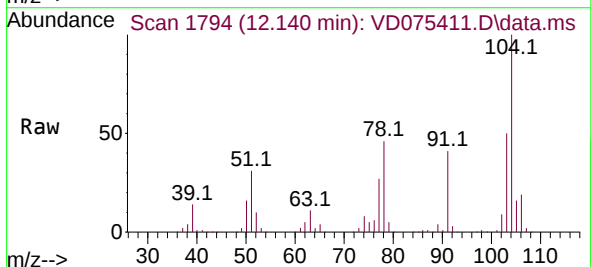
Acq: 23 Feb 2023 13:29

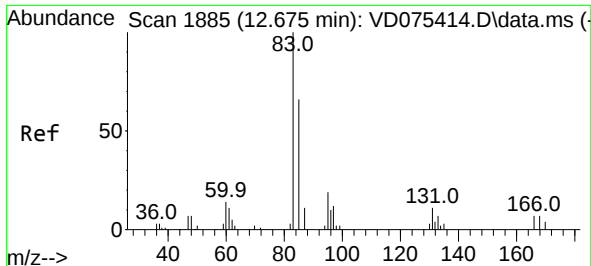
Tgt Ion:104 Resp: 491521

Ion Ratio Lower Upper

104 100

78 45.5 32.5 60.3

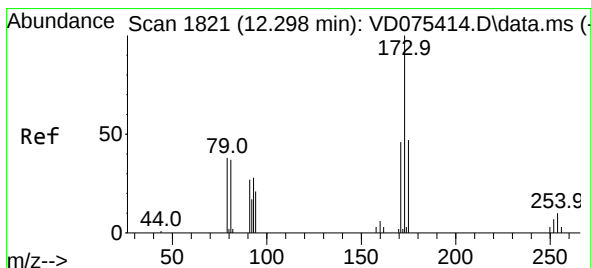
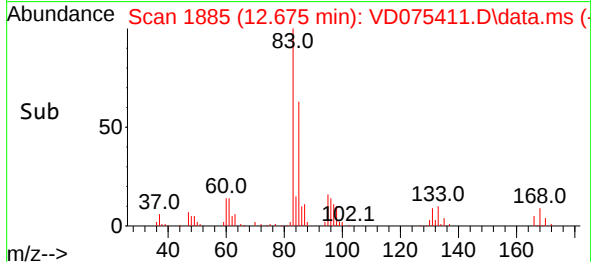
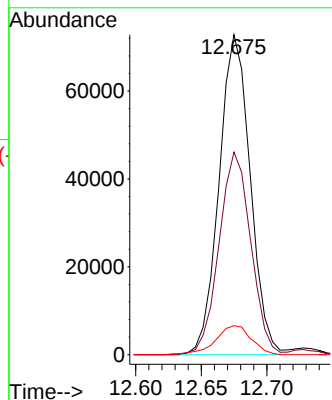
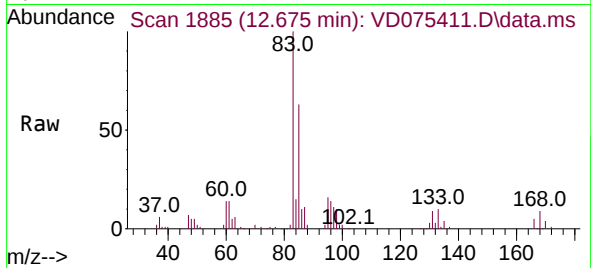




#57
1,1,2,2-Tetrachloroethane
Concen: 109.955 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

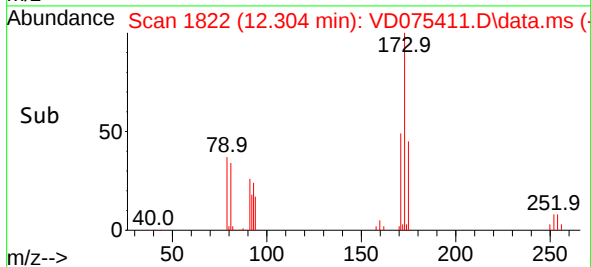
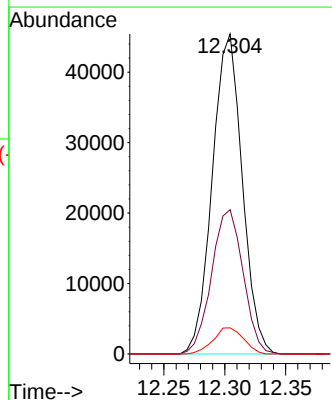
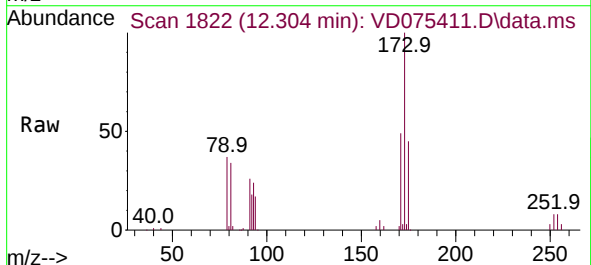
Instrument :
MSVOA_D
ClientSampleId :
VSTD100105

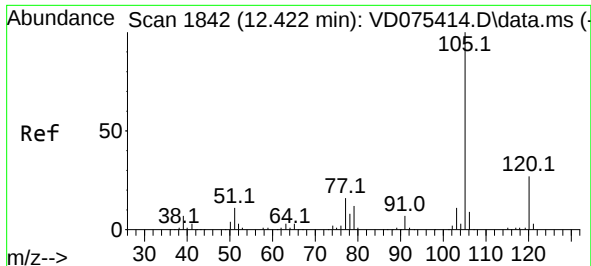
Tgt Ion: 83 Resp: 120087
Ion Ratio Lower Upper
83 100
85 63.3 45.9 85.3
131 9.0 9.0 13.6



#59
Bromoform
Concen: 114.626 ug/L
RT: 12.304 min Scan# 1822
Delta R.T. 0.006 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

Tgt Ion: 173 Resp: 77545
Ion Ratio Lower Upper
173 100
175 47.5 37.7 56.5
254 8.3 7.0 10.4

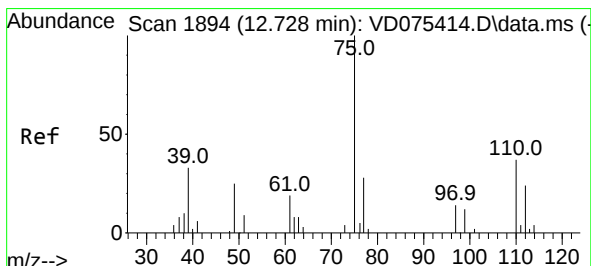
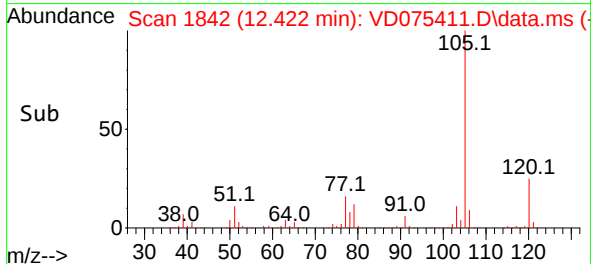
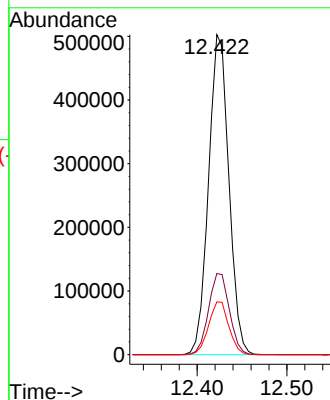
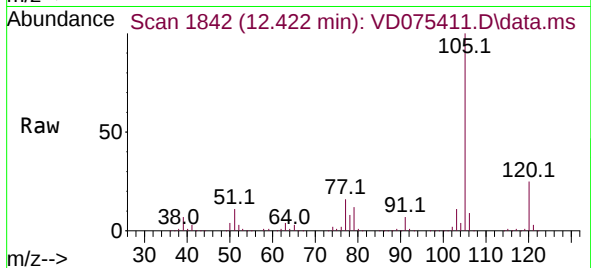




#60
Isopropylbenzene
Concen: 107.500 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

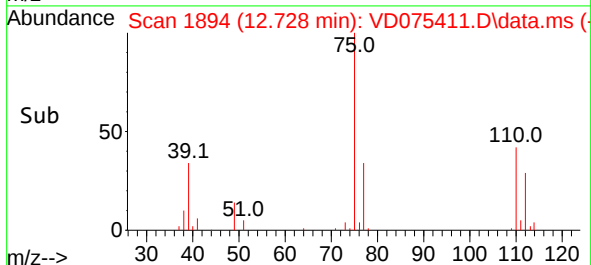
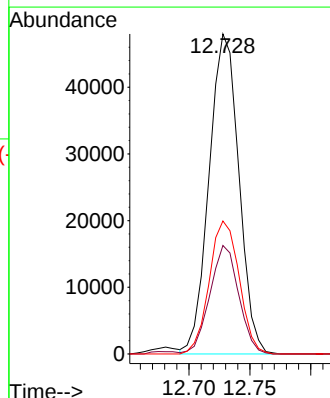
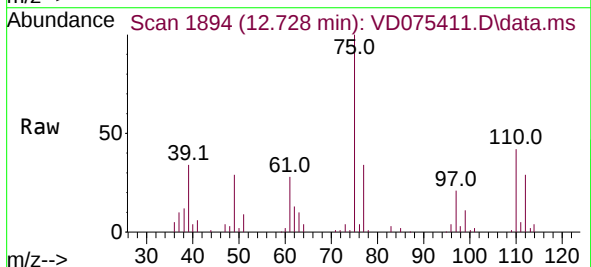
Instrument :
MSVOA_D
ClientSampleId :
VSTD100105

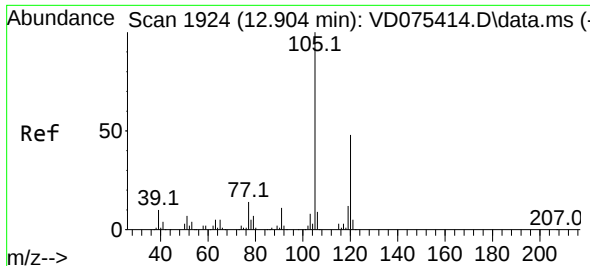
Tgt Ion:105 Resp: 789861
Ion Ratio Lower Upper
105 100
120 26.0 20.8 31.2
77 16.5 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 91.019 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

Tgt Ion: 75 Resp: 81731
Ion Ratio Lower Upper
75 100
77 32.7 24.6 36.8
110 41.7 32.4 48.6





#62

1,3,5-Trimethylbenzene

Concen: 103.715 ug/L

RT: 12.910 min Scan# 1925

Delta R.T. 0.006 min

Lab File: VD075411.D

Acq: 23 Feb 2023 13:29

Instrument :

MSVOA_D

ClientSampleId :

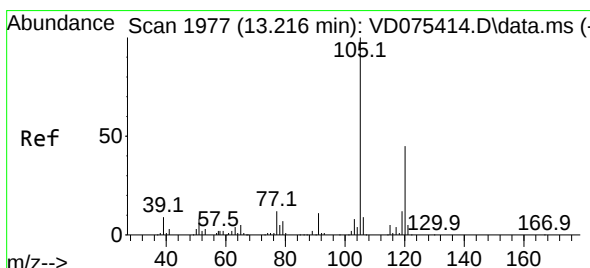
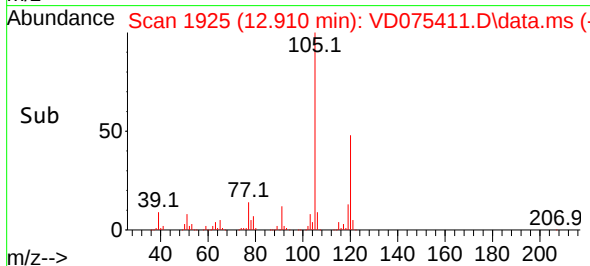
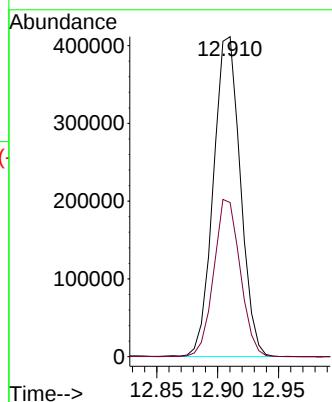
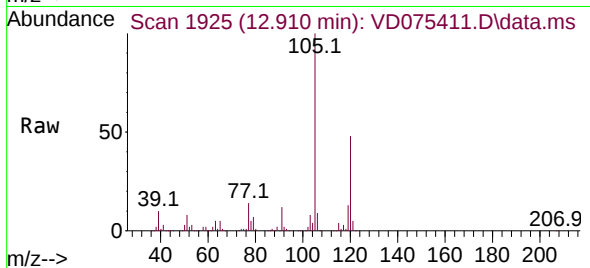
VSTD100105

Tgt Ion:105 Resp: 632946

Ion Ratio Lower Upper

105 100

120 48.2 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 102.647 ug/L

RT: 13.216 min Scan# 1977

Delta R.T. 0.000 min

Lab File: VD075411.D

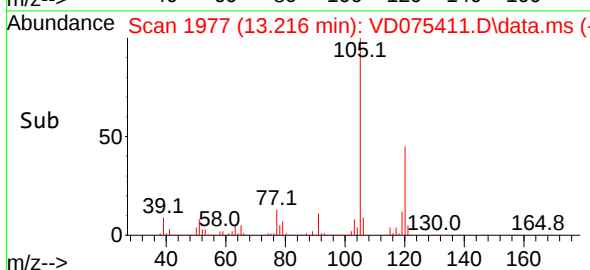
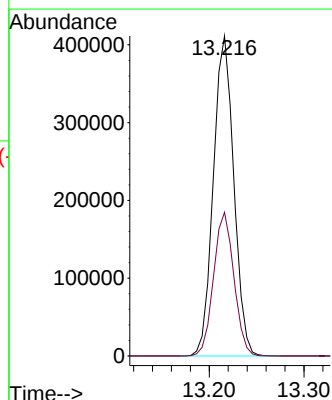
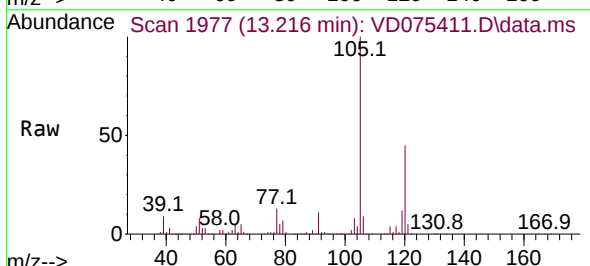
Acq: 23 Feb 2023 13:29

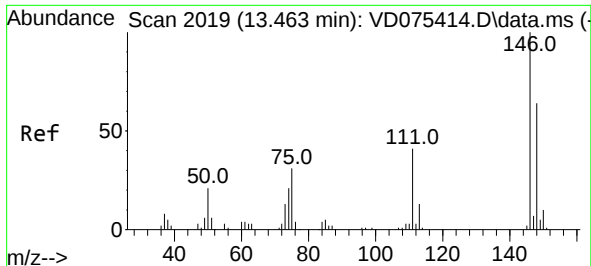
Tgt Ion:105 Resp: 616322

Ion Ratio Lower Upper

105 100

120 44.6 36.3 54.5





#64

1,3-Dichlorobenzene

Concen: 104.381 ug/L

RT: 13.463 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VD075411.D

Acq: 23 Feb 2023 13:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD100105

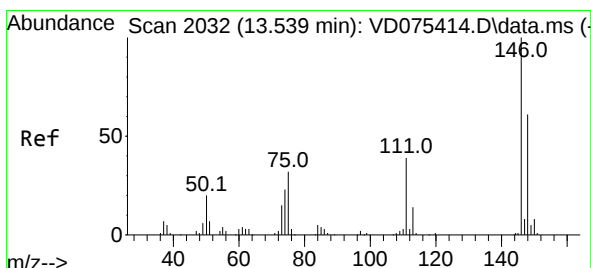
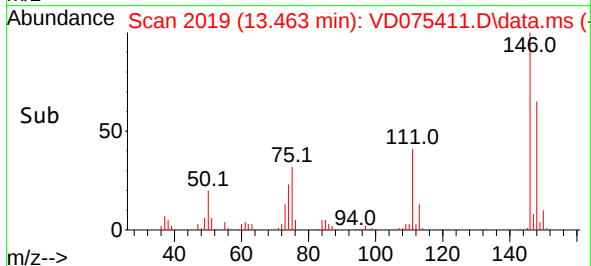
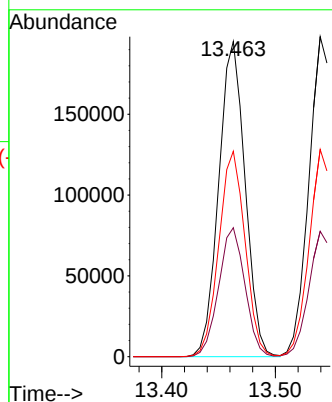
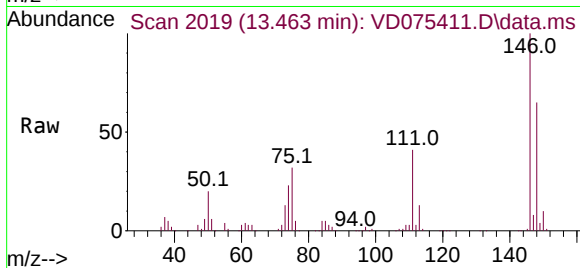
Tgt Ion:146 Resp: 314672

Ion Ratio Lower Upper

146 100

111 40.9 28.8 53.4

148 65.2 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 105.668 ug/L

RT: 13.540 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD075411.D

Acq: 23 Feb 2023 13:29

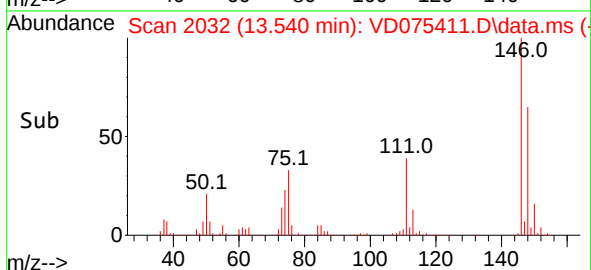
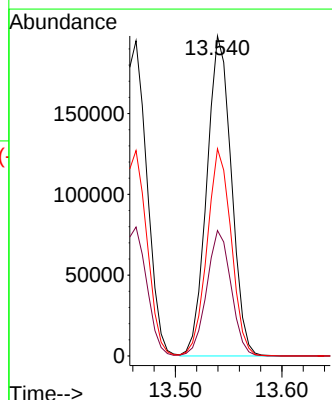
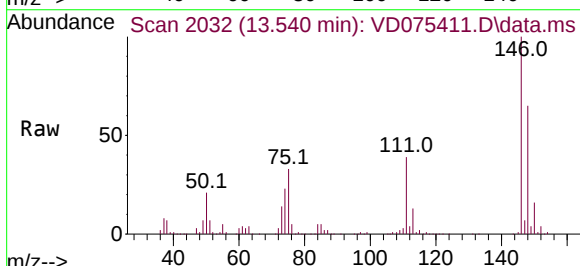
Tgt Ion:146 Resp: 317819

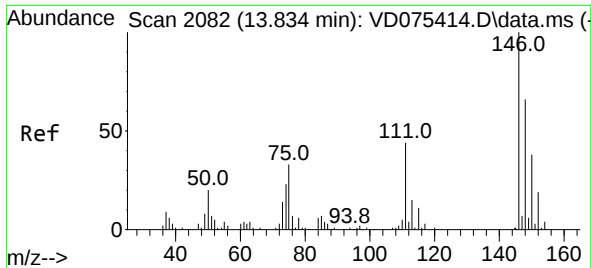
Ion Ratio Lower Upper

146 100

111 39.2 27.9 51.7

148 64.8 43.3 80.5





#67

1,2-Dichlorobenzene

Concen: 106.291 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD075411.D

Acq: 23 Feb 2023 13:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD100105

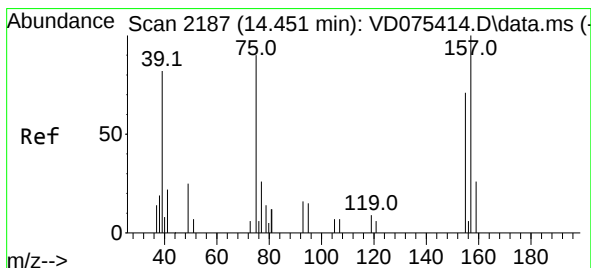
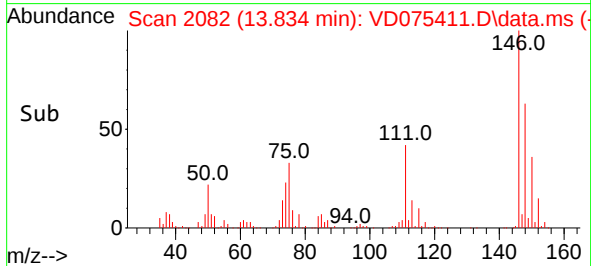
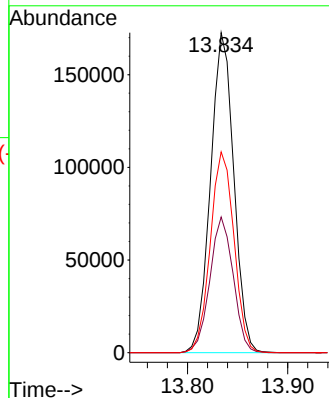
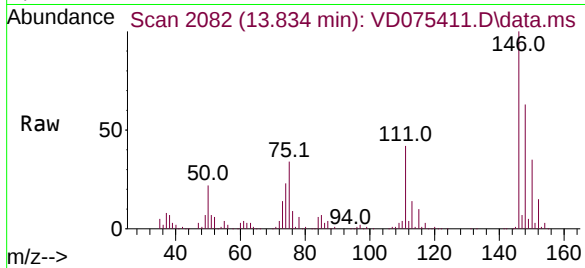
Tgt Ion:146 Resp: 278288

Ion Ratio Lower Upper

146 100

111 42.4 35.0 52.6

148 62.8 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 89.099 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VD075411.D

Acq: 23 Feb 2023 13:29

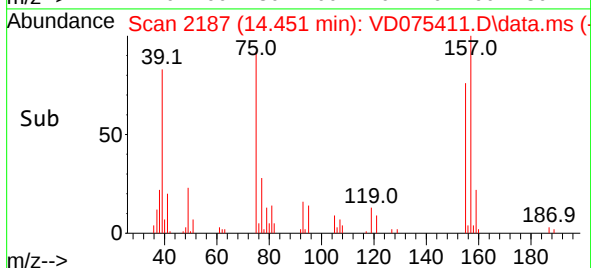
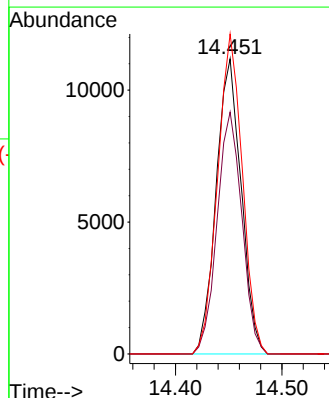
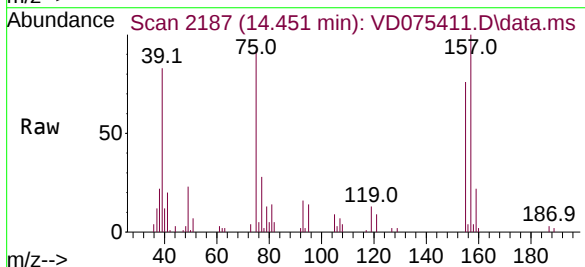
Tgt Ion: 75 Resp: 18227

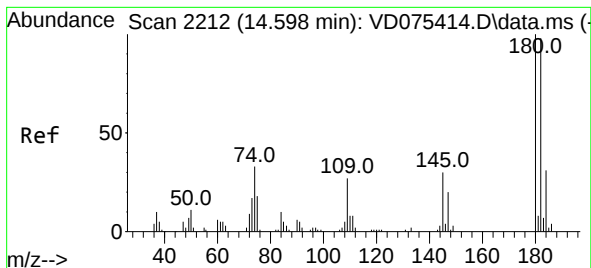
Ion Ratio Lower Upper

75 100

155 82.0 63.1 94.7

157 108.4 89.2 133.8

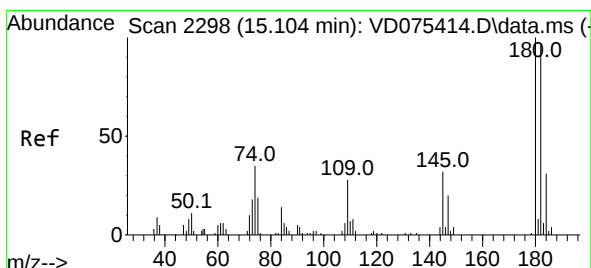
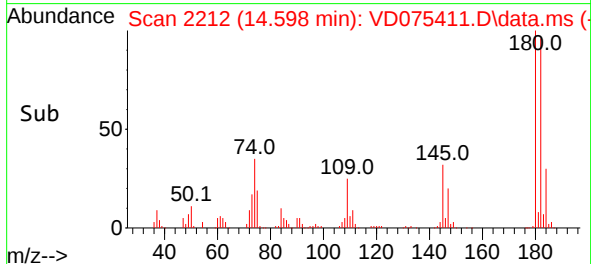
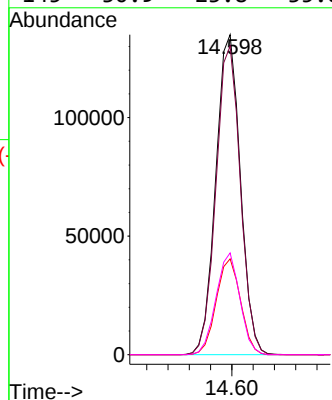
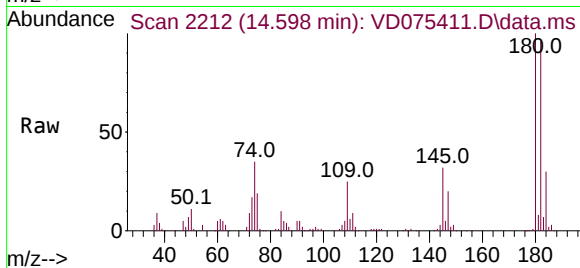




#69
 1,3,5-Trichlorobenzene
 Concen: 99.775 ug/L
 RT: 14.598 min Scan# 215961
 Delta R.T. 0.000 min
 Lab File: VD075411.D
 Acq: 23 Feb 2023 13:29

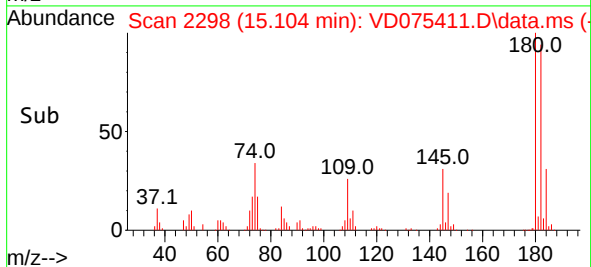
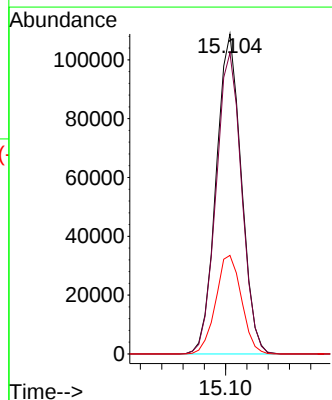
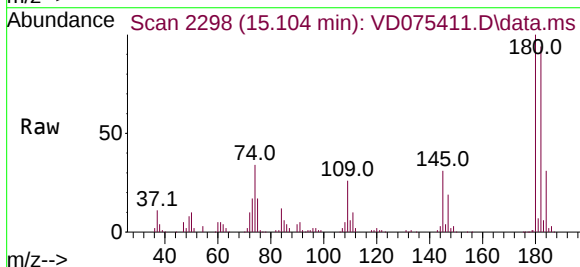
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD100105

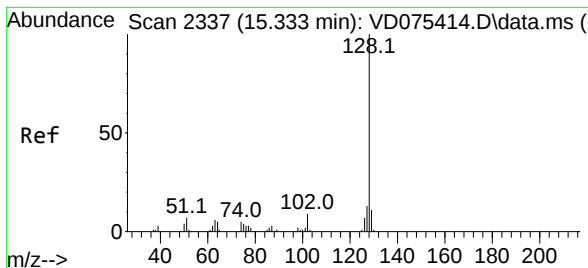
Tgt Ion:180	Resp:	215961	
Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.0	112.6
184	29.6	23.8	35.6
145	30.9	23.8	35.8



#70
 1,2,4-trichlorobenzene
 Concen: 97.728 ug/L
 RT: 15.104 min Scan# 2298
 Delta R.T. 0.000 min
 Lab File: VD075411.D
 Acq: 23 Feb 2023 13:29

Tgt Ion:180	Resp:	178176	
Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.1	115.7
145	31.5	23.8	35.6

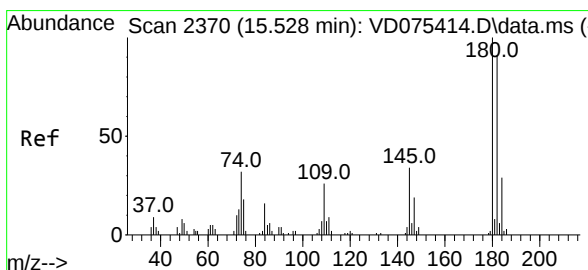
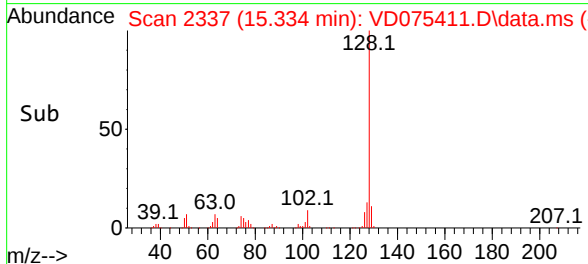
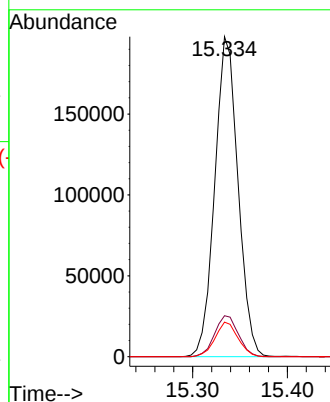
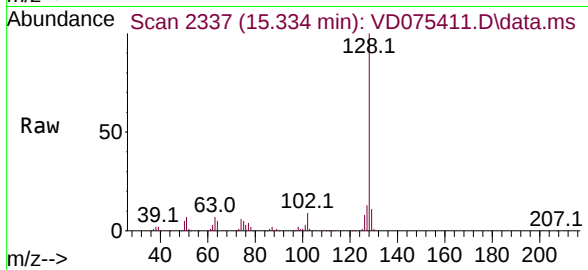




#71
Naphthalene
Concen: 96.981 ug/L
RT: 15.334 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

Instrument :
MSVOA_D
ClientSampleId :
VSTD100105

Tgt Ion:128 Resp: 337136
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.7 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 98.985 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. -0.006 min
Lab File: VD075411.D
Acq: 23 Feb 2023 13:29

Tgt Ion:180 Resp: 153127
Ion Ratio Lower Upper
180 100
182 94.8 75.4 113.2
145 33.9 26.6 39.8

