

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080378.D
 Acq On : 16 May 2025 18:11
 Operator : RP/MD
 Sample : Q2014-05
 Misc : 4.47G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MOO-25-0148

Quant Time: May 17 01:23:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 08:57:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	30322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	61360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	11377	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.588	152	351	50.000	ug/l	0.07
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	37355	95.265	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 190.540%#	
35) Dibromofluoromethane	7.806	113	36309	88.288	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 176.580%#	
50) Toluene-d8	10.270	98	29162	17.997	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 36.000%#	
62) 4-Bromofluorobenzene	12.570	95	3350	6.441	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 12.880%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	58	Below Cal	#	43
3) Chloromethane	2.153	50	437	Below Cal	#	39
11) Tert butyl alcohol	5.059	59	14308	601.330	ug/l	# 86
13) Acrolein	3.800	56	1216	29.046	ug/l	84
16) Acetone	4.024	43	20974	351.204	ug/l	93
18) Methyl Acetate	4.571	43	364	1.435	ug/l	# 49
20) Methylene Chloride	4.806	84	9376	20.101	ug/l	# 85
25) 2-Butanone	7.094	43	5415	50.191	ug/l	93
29) Tetrahydrofuran	7.453	42	119	1.692	ug/l	# 32
31) Cyclohexane	7.876	56	3174	4.982	ug/l	# 50
36) 1,1-Dichloropropene	7.876	75	2608	4.243	ug/l	# 48
37) Ethyl Acetate	7.176	43	2593	8.068	ug/l	# 91
38) Carbon Tetrachloride	7.870	117	3239	5.053	ug/l	# 14
39) Methylcyclohexane	9.276	83	9464	13.269	ug/l	96
40) Benzene	8.259	78	4469	2.321	ug/l	91
41) Methacrylonitrile	7.394	41	243	1.366	ug/l	# 53
43) Isopropyl Acetate	8.359	43	863	1.481	ug/l	# 65
45) 1,2-Dichloropropane	9.264	63	552	1.118	ug/l	# 1
48) Methyl methacrylate	9.353	41	9976	36.025	ug/l	# 37
49) 1,4-Dioxane	9.382	88	66	20.643	ug/l	# 21
51) 4-Methyl-2-Pentanone	10.153	43	2489	8.289	ug/l	100
52) Toluene	10.329	92	11049	9.523	ug/l	94
55) 1,1,2-Trichloroethane	10.706	97	6688	18.802	ug/l	# 24
56) Ethyl methacrylate	10.605	69	1357	3.148	ug/l	# 27
59) 2-Hexanone	10.894	43	2964	14.349	ug/l	# 24
66) 1,1,1,2-Tetrachloroethane	11.664	131	218	2.470	ug/l	# 1
67) Ethyl Benzene	11.682	91	6252	14.564	ug/l	95
68) m/p-Xylenes	11.782	106	8804	52.818	ug/l	90
69) o-Xylene	12.117	106	3364	22.086	ug/l	82
70) Styrene	12.141	104	2976	10.881	ug/l	# 71
71) Bromoform	12.252	173	61	1.163	ug/l	# 1
73) Isopropylbenzene	12.411	105	3010	132.199	ug/l	99
74) N-amyl acetate	12.211	43	2752	421.128	ug/l	# 58
75) 1,1,2,2-Tetrachloroethane	12.688	83	341	68.105	ug/l	# 74
76) 1,2,3-Trichloropropane	12.711	75	166	49.002	ug/l	# 100
77) Bromobenzene	12.700	156	311	52.659	ug/l	81

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 ALS Vial : 20 Sample Multiplier: 1

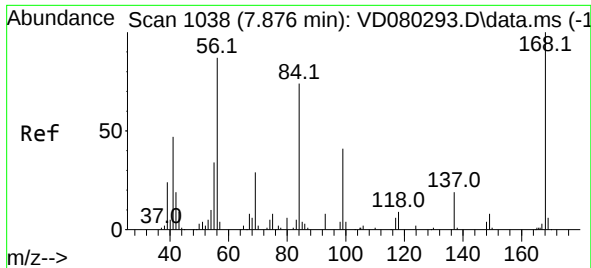
Instrument :
 MSVOA_D
 ClientSampleId :
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Quant Time: May 17 01:23:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 08:57:11 2025
 Response via : Initial Calibration

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

78) n-propylbenzene	12.582	91	887	31.043	ug/l	94
79) 2-Chlorotoluene	12.941	91	374	22.503	ug/l	79
80) 1,3,5-Trimethylbenzene	12.900	105	3780	194.645	ug/l	75
81) trans-1,4-Dichloro-2-b...	12.447	75	69	38.663	ug/l #	1
82) 4-Chlorotoluene	12.941	91	374	20.847	ug/l	80
83) tert-Butylbenzene	13.141	119	525	32.396	ug/l #	63
84) 1,2,4-Trimethylbenzene	13.211	105	11650	586.321	ug/l	95
85) sec-Butylbenzene	13.341	105	8812	352.617	ug/l	88
86) p-Isopropyltoluene	13.458	119	1965	93.558	ug/l #	50
87) 1,3-Dichlorobenzene	13.505	146	64	5.196	ug/l #	1
88) 1,4-Dichlorobenzene	13.535	146	121	9.745	ug/l #	1
89) n-Butylbenzene	13.782	91	1885	92.454	ug/l #	84
90) Hexachloroethane	14.052	117	828	178.174	ug/l #	12
91) 1,2-Dichlorobenzene	13.841	146	56	5.234	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.435	75	78	97.745	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.094	180	351	52.164	ug/l #	38
95) Naphthalene	15.329	128	1787	141.440	ug/l #	21
96) 1,2,3-Trichlorobenzene	15.482	180	4665	775.174	ug/l #	20

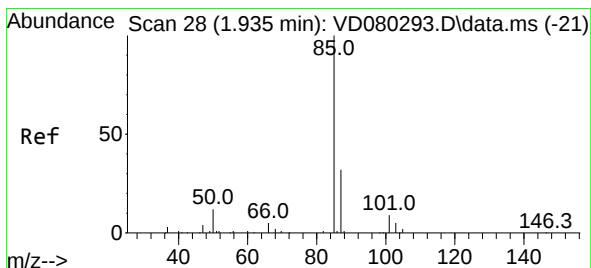
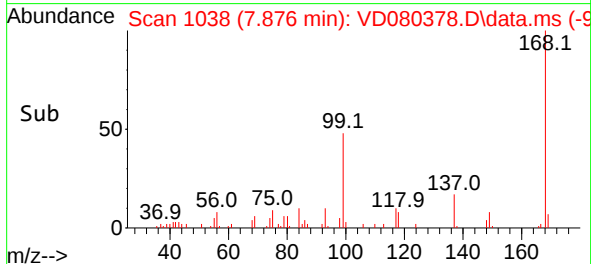
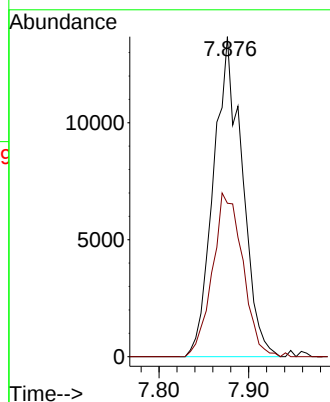
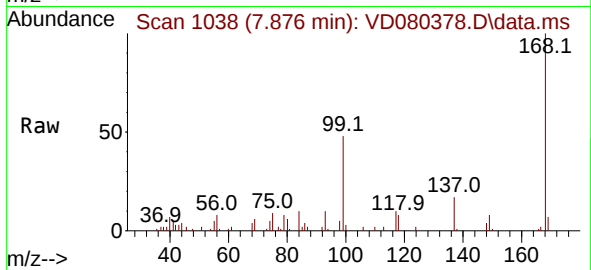
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

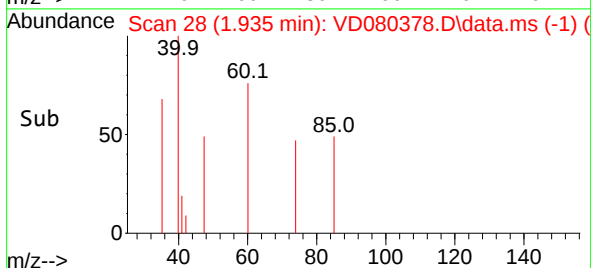
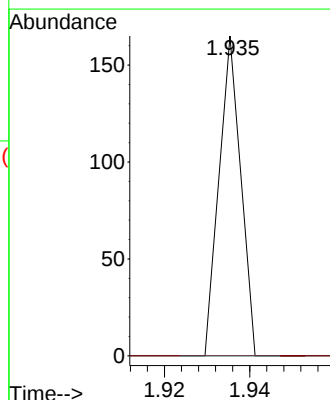
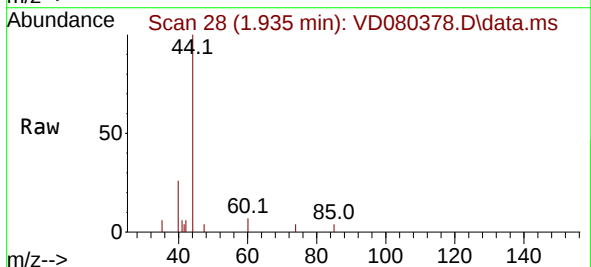
Instrument :
MSVOA_D
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MOO-25-0148

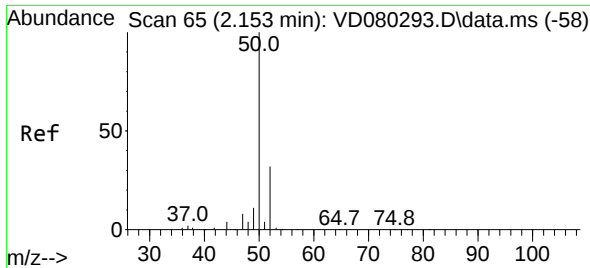
Tgt Ion:168 Resp: 30322
Ion Ratio Lower Upper
168 100
99 48.0 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.935 min Scan# 28
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion: 85 Resp: 58
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

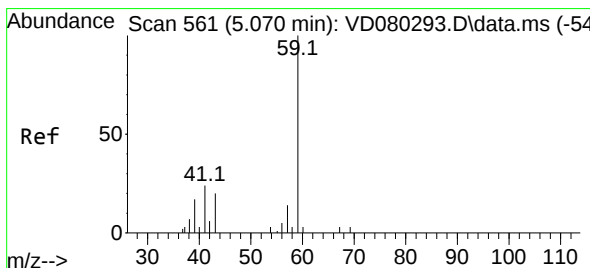
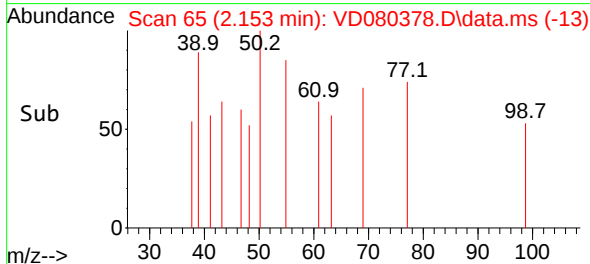
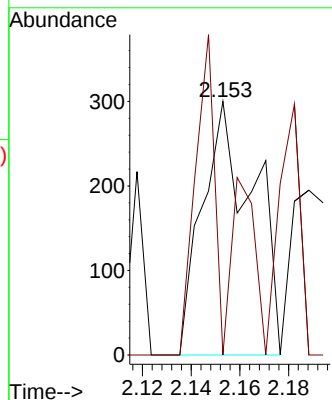
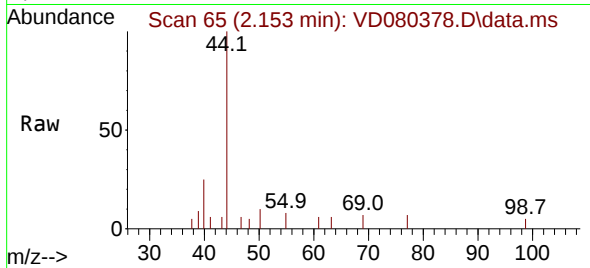




#3
Chloromethane
Concen: Below Cal
RT: 2.153 min Scan# 61
Delta R.T. 0.007 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

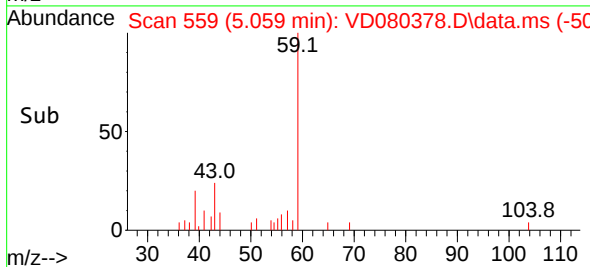
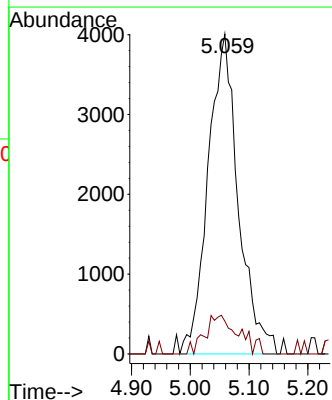
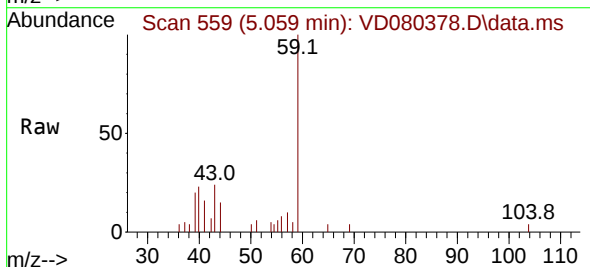
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

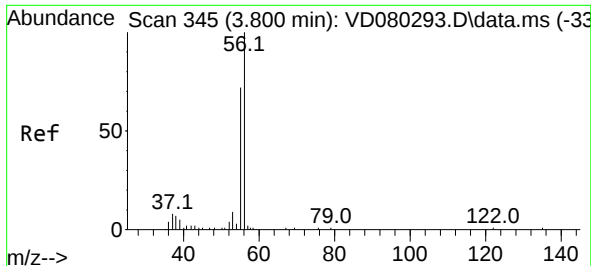
Tgt Ion: 50 Resp: 437
Ion Ratio Lower Upper
50 100
52 0.0 28.8 43.2#



#11
Tert butyl alcohol
Concen: 601.330 ug/l
RT: 5.059 min Scan# 559
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion: 59 Resp: 14308
Ion Ratio Lower Upper
59 100
57 10.8 4.8 7.2#

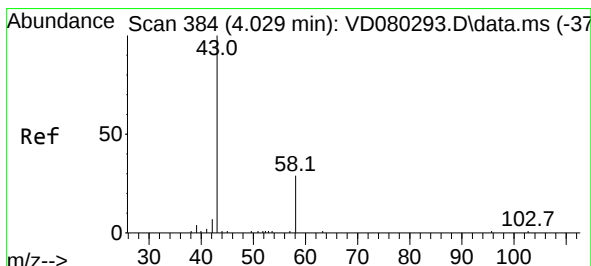
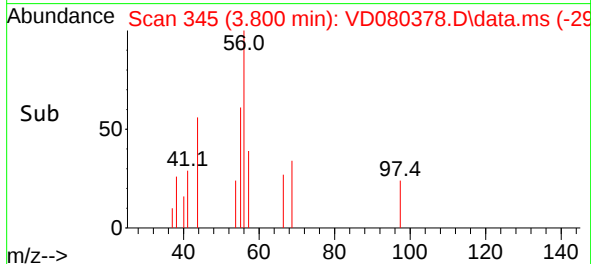
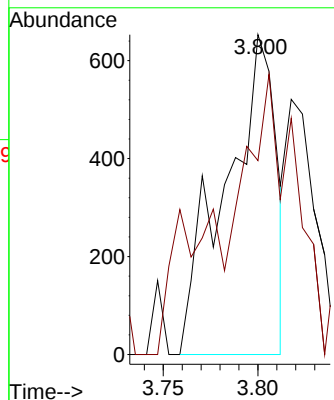
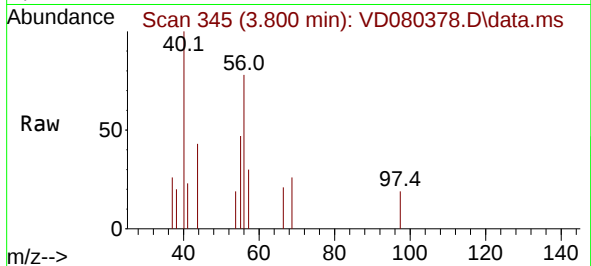




#13
Acrolein
Concen: 29.046 ug/l
RT: 3.800 min Scan# 345
Delta R.T. 0.007 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

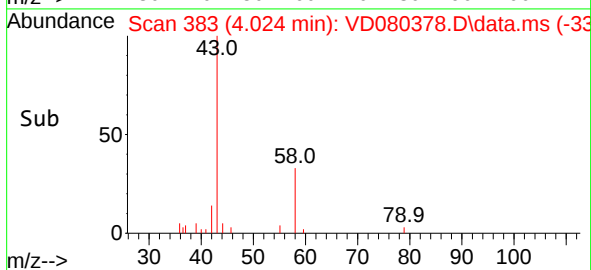
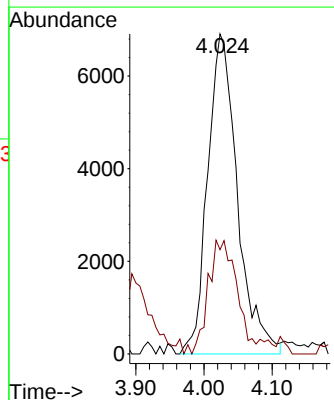
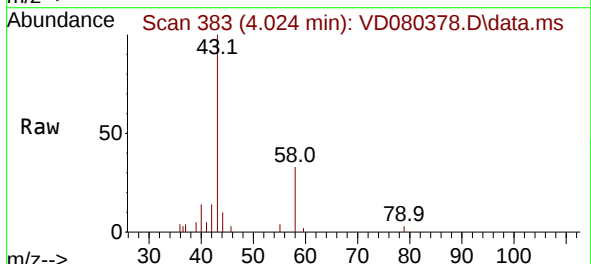
Instrument :
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ClientSampleId :
MOO-25-0148

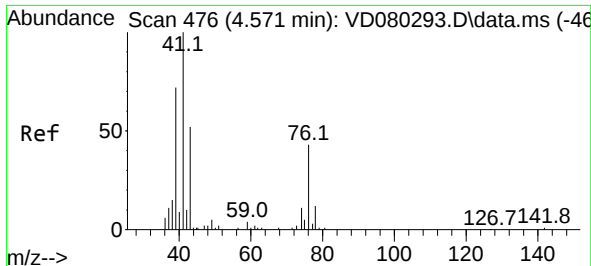
Tgt Ion: 56 Resp: 1216
Ion Ratio Lower Upper
56 100
55 86.3 58.2 87.2



#16
Acetone
Concen: 351.204 ug/l
RT: 4.024 min Scan# 383
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion: 43 Resp: 20974
Ion Ratio Lower Upper
43 100
58 27.9 25.4 38.2

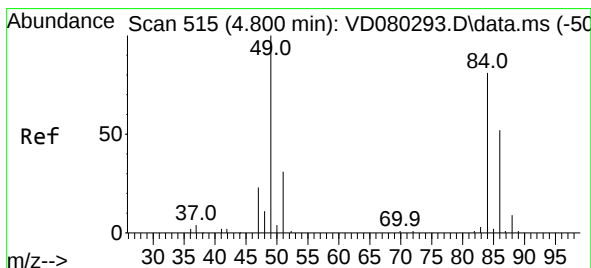
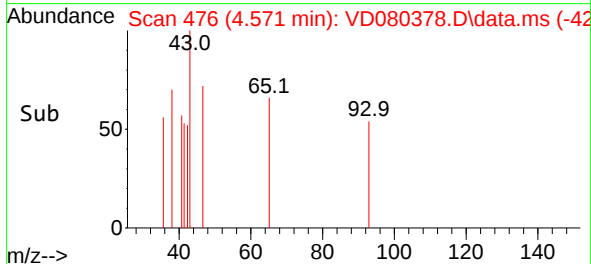
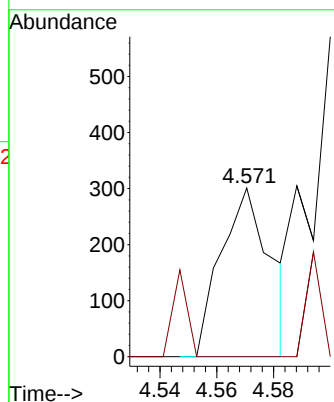
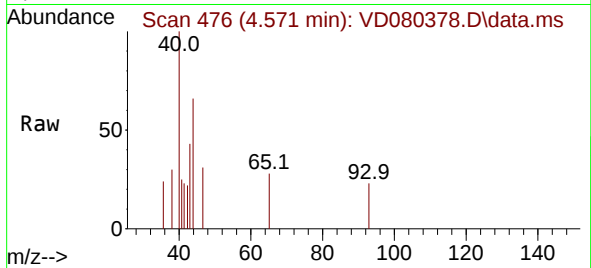




#18
Methyl Acetate
Concen: 1.435 ug/l
RT: 4.571 min Scan# 41
Delta R.T. 0.007 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

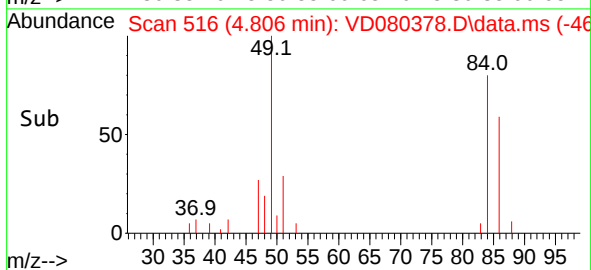
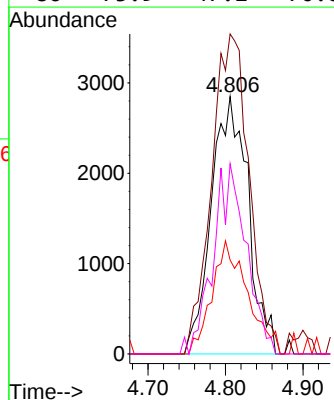
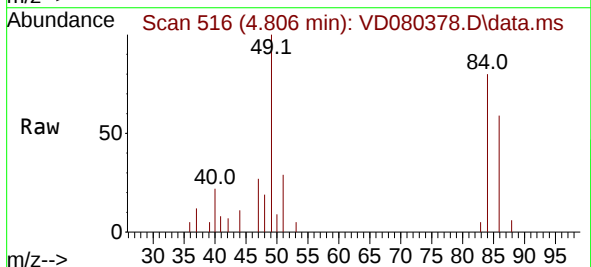
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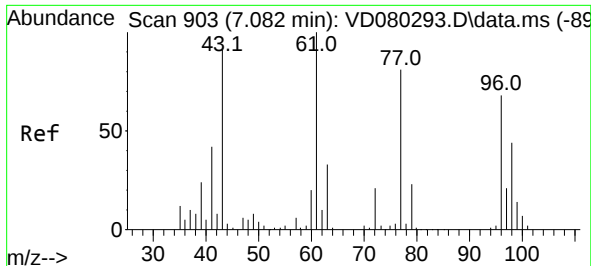
Tgt Ion: 43 Resp: 364
Ion Ratio Lower Upper
43 100
74 0.0 20.5 30.7#



#20
Methylene Chloride
Concen: 20.101 ug/l
RT: 4.806 min Scan# 516
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion: 84 Resp: 9376
Ion Ratio Lower Upper
84 100
49 124.3 86.5 129.7
51 36.5 26.9 40.3
86 73.9 47.2 70.8#

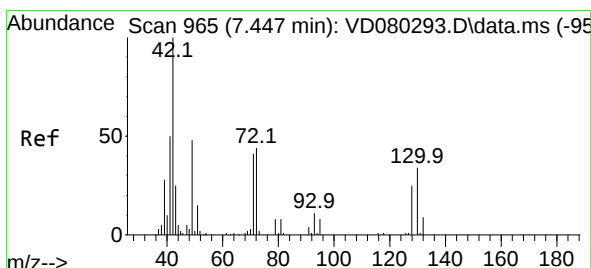
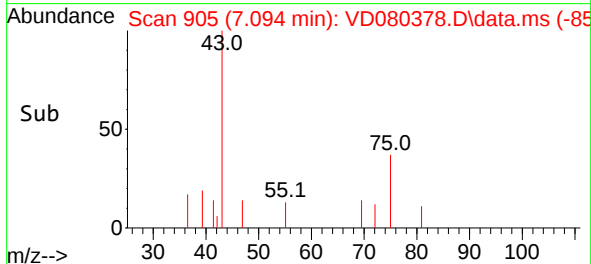
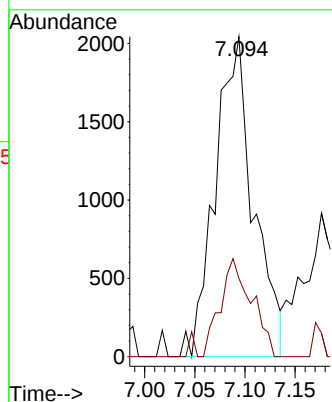
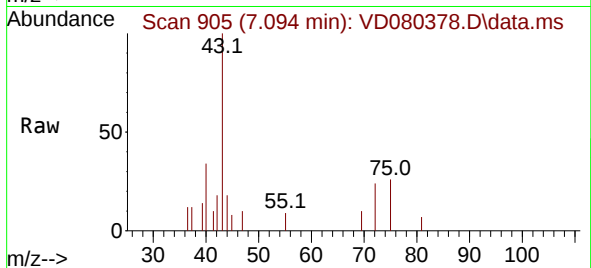




#25
2-Butanone
Concen: 50.191 ug/l
RT: 7.094 min Scan# 904
Delta R.T. 0.007 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

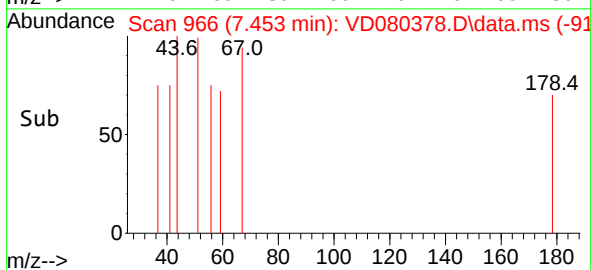
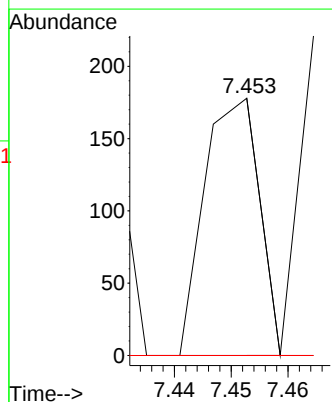
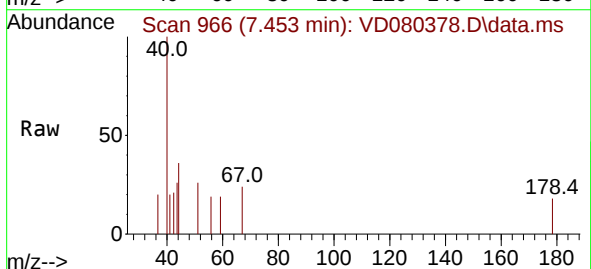
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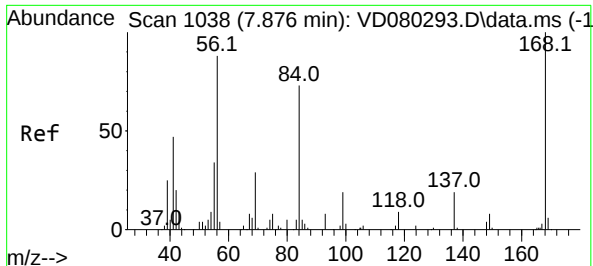
Tgt Ion: 43 Resp: 5415
Ion Ratio Lower Upper
43 100
72 24.5 22.3 33.5



#29
Tetrahydrofuran
Concen: 1.692 ug/l
RT: 7.453 min Scan# 966
Delta R.T. 0.007 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

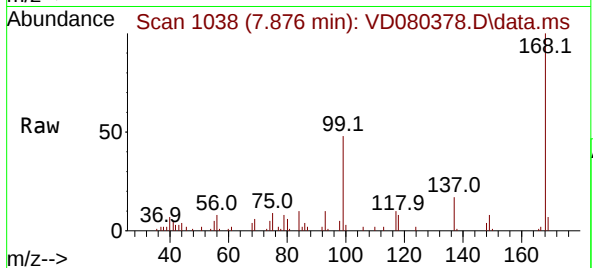
Tgt Ion: 42 Resp: 119
Ion Ratio Lower Upper
42 100
72 0.0 36.7 55.1#
71 0.0 34.4 51.6#



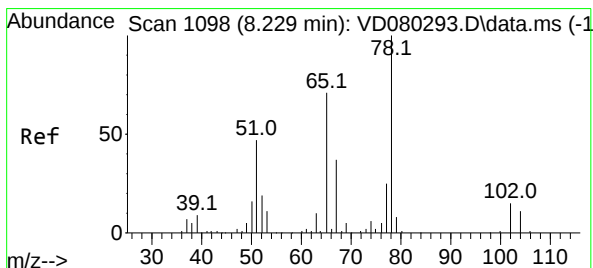
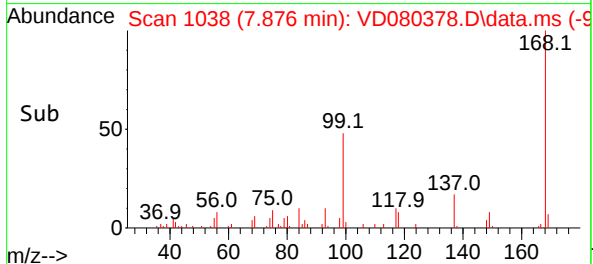
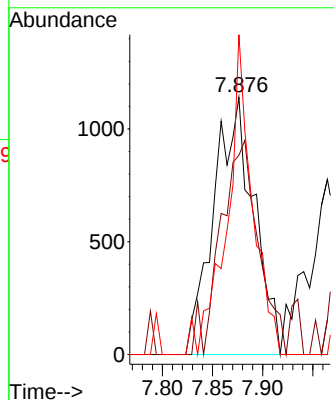


#31
Cyclohexane
Concen: 4.982 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.005 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

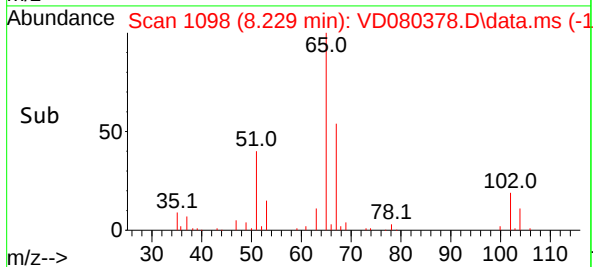
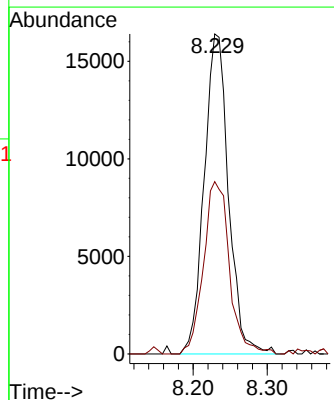
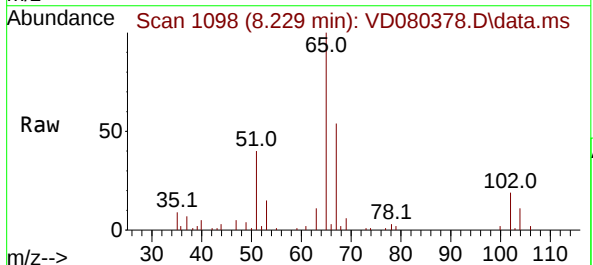


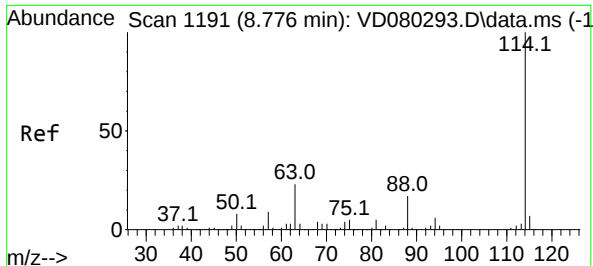
Tgt Ion: 56 Resp: 3174
Ion Ratio Lower Upper
56 100
69 77.5 27.3 40.9#
84 124.4 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 95.265 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion: 65 Resp: 37355
Ion Ratio Lower Upper
65 100
67 57.4 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.782 min Scan# 1191

Delta R.T. 0.007 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

Instrument :

MSVOA_D

ClientSampleId :

MOO-25-0148

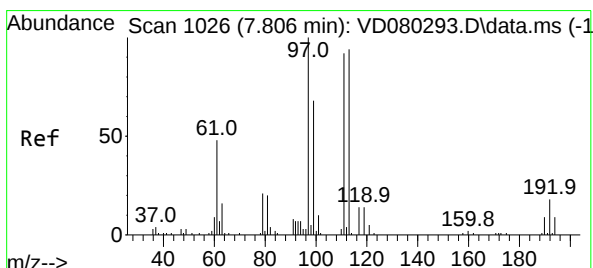
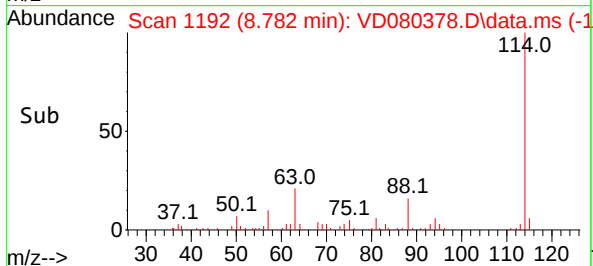
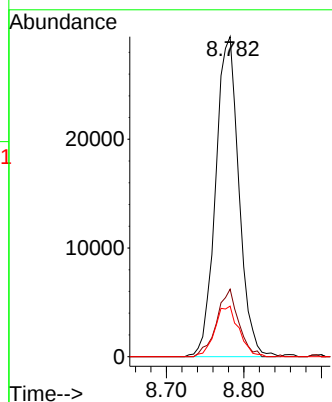
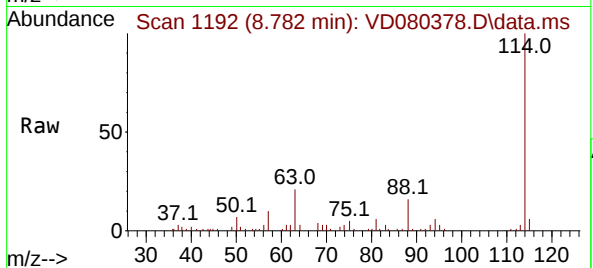
Tgt Ion:114 Resp: 61360

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.8

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 88.288 ug/l

RT: 7.806 min Scan# 1026

Delta R.T. 0.001 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

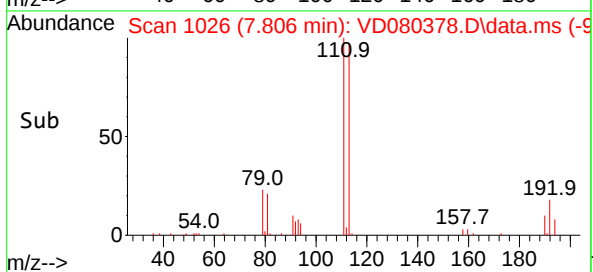
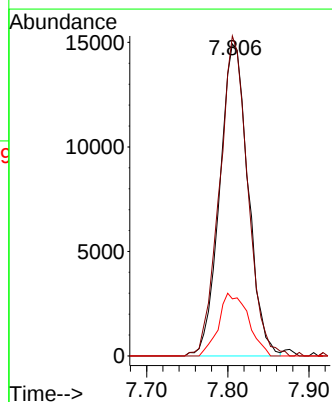
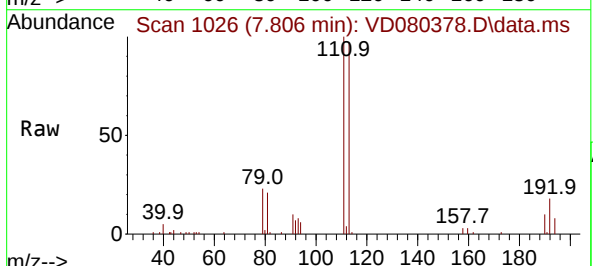
Tgt Ion:113 Resp: 36309

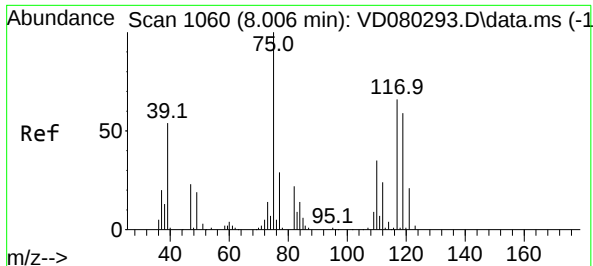
Ion Ratio Lower Upper

113 100

111 101.5 82.5 123.7

192 21.0 16.6 25.0





#36

1,1-Dichloropropene

Concen: 4.243 ug/l

RT: 7.876 min Scan# 1060

Delta R.T. -0.129 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

Instrument :

MSVOA_D

ClientSampleId :

MOO-25-0148

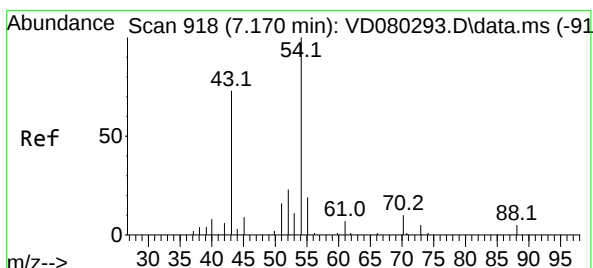
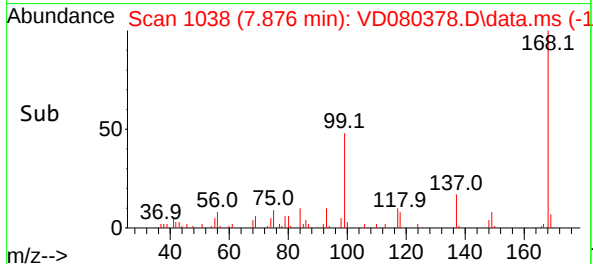
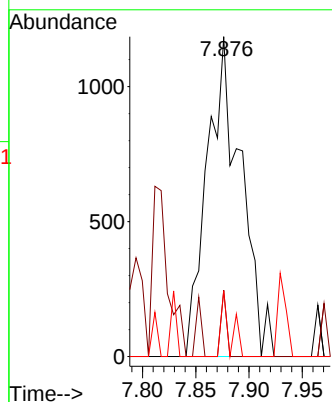
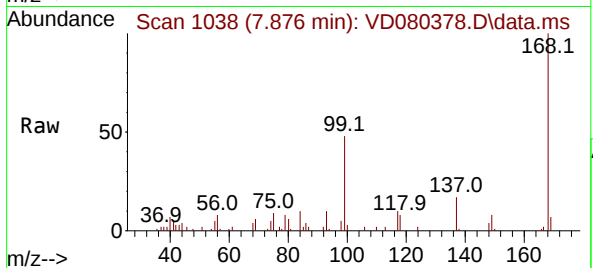
Tgt Ion: 75 Resp: 2608

Ion Ratio Lower Upper

75 100

110 3.3 18.4 55.0#

77 5.4 25.6 38.4#



#37

Ethyl Acetate

Concen: 8.068 ug/l

RT: 7.176 min Scan# 919

Delta R.T. 0.007 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

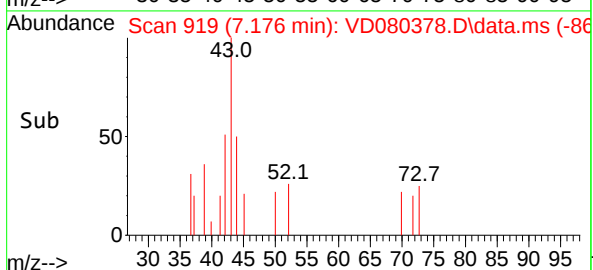
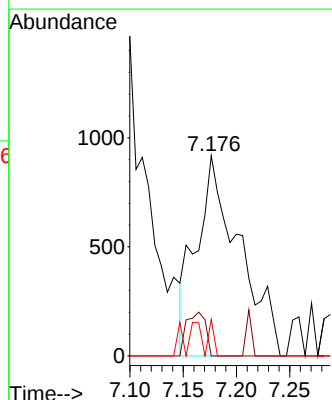
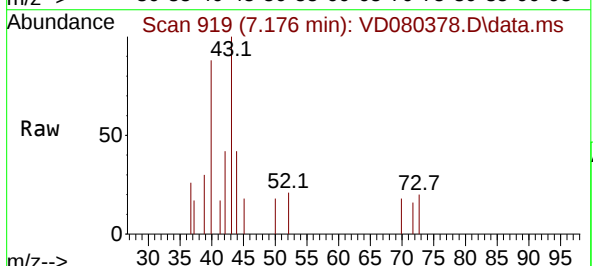
Tgt Ion: 43 Resp: 2593

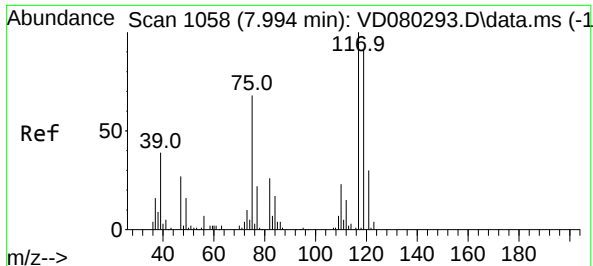
Ion Ratio Lower Upper

43 100

61 9.6 11.0 16.4#

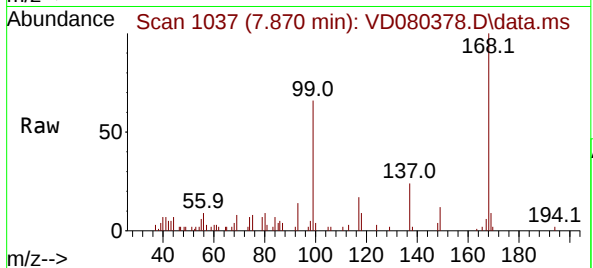
70 8.5 9.4 14.2#



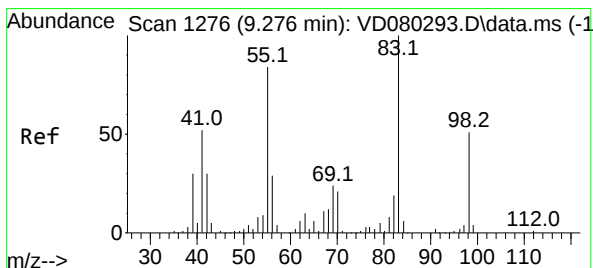
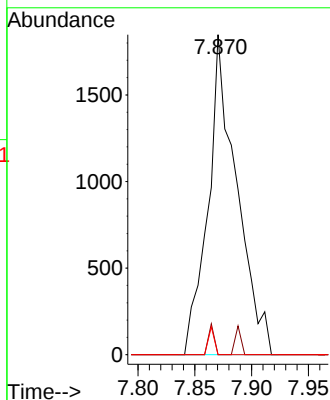
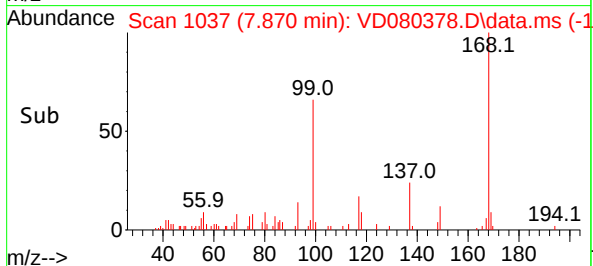


#38
Carbon Tetrachloride
Concen: 5.053 ug/l
RT: 7.870 min Scan# 1037
Delta R.T. -0.117 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

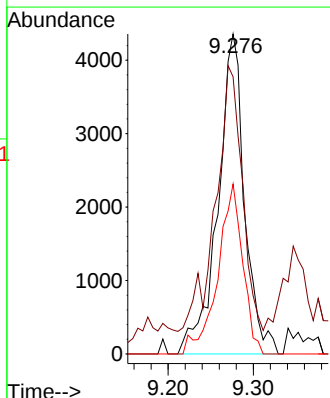
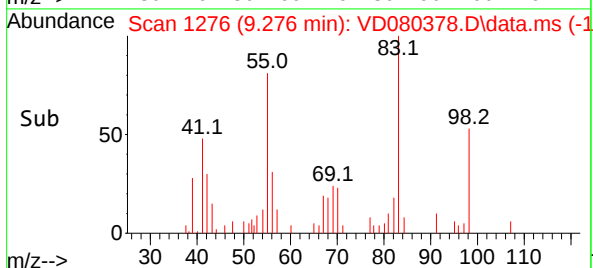
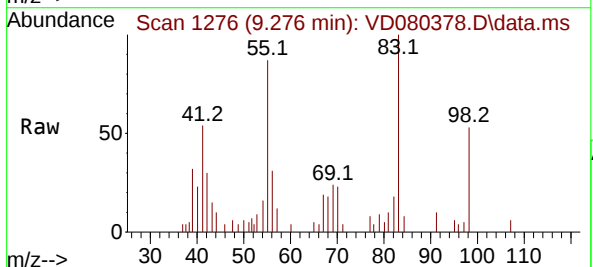


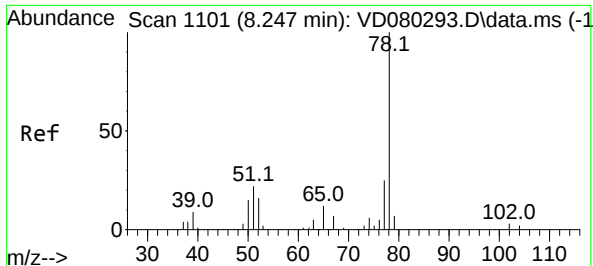
Tgt Ion:117 Resp: 3239
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.0#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 13.269 ug/l
RT: 9.276 min Scan# 1276
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion: 83 Resp: 9464
Ion Ratio Lower Upper
83 100
55 79.6 62.0 93.0
98 53.1 38.7 58.1

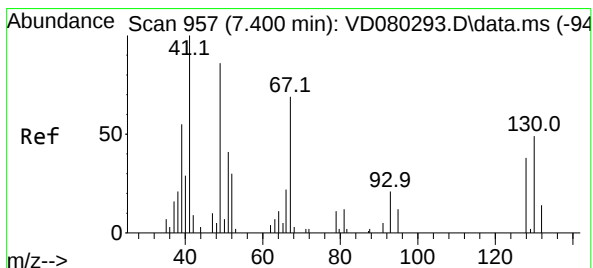
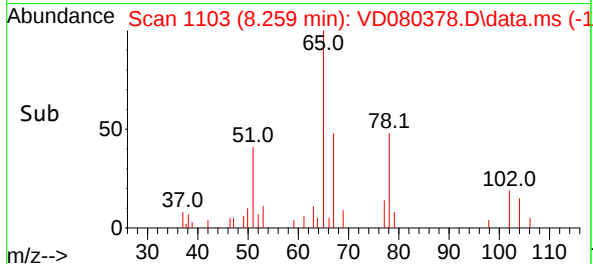
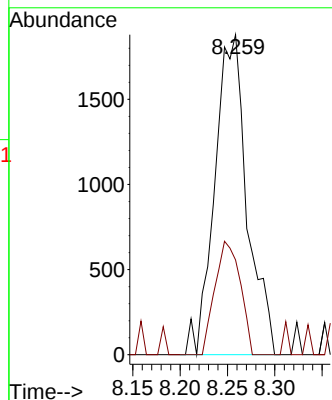
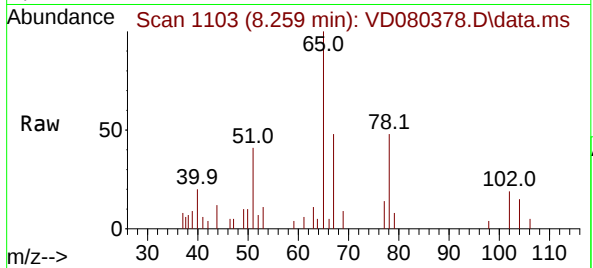




#40
Benzene
Concen: 2.321 ug/l
RT: 8.259 min Scan# 1103
Delta R.T. 0.007 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

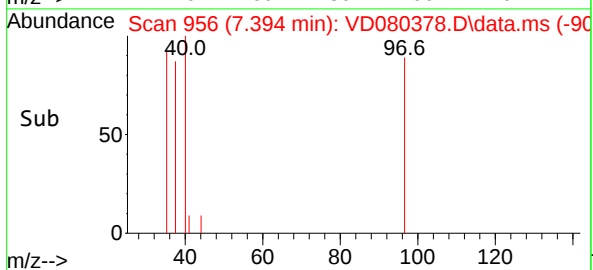
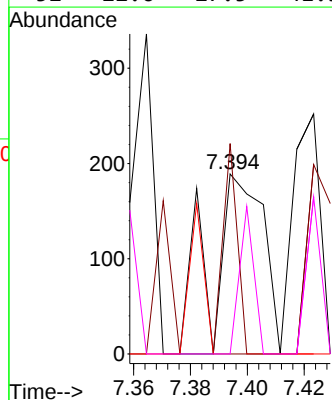
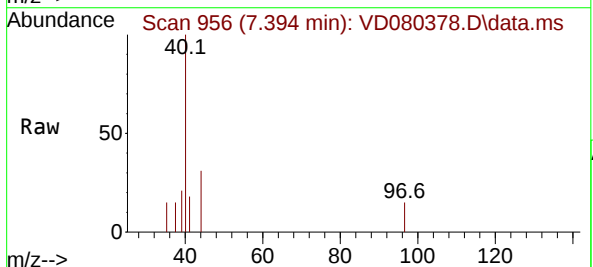
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

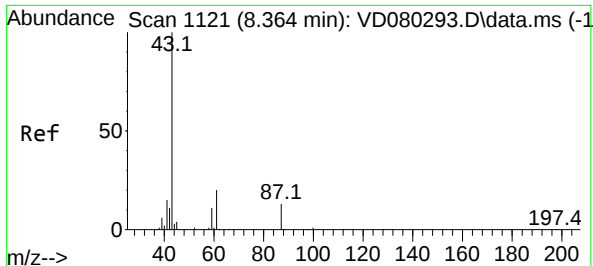
Tgt Ion: 78 Resp: 4469
Ion Ratio Lower Upper
78 100
77 29.6 20.2 30.4



#41
Methacrylonitrile
Concen: 1.366 ug/l
RT: 7.394 min Scan# 956
Delta R.T. -0.005 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion: 41 Resp: 243
Ion Ratio Lower Upper
41 100
39 32.1 47.8 71.8#
67 23.0 64.9 97.3#
52 22.6 27.5 41.3#





#43

Isopropyl Acetate

Concen: 1.481 ug/l

RT: 8.359 min Scan# 1121

Delta R.T. 0.001 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

Instrument :

MSVOA_D

ClientSampleId :

MOO-25-0148

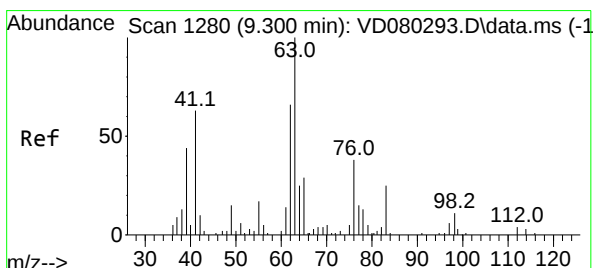
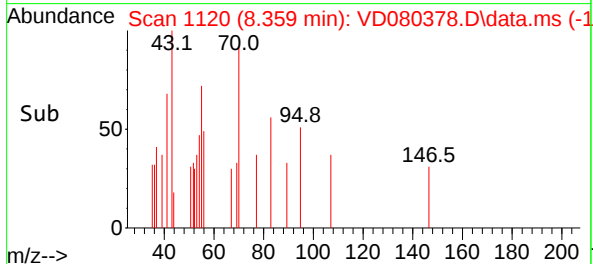
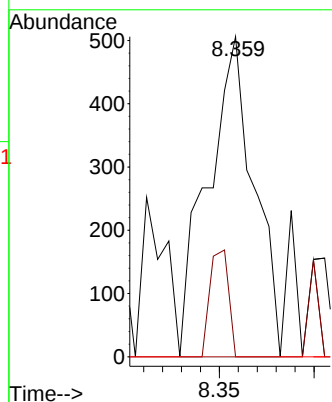
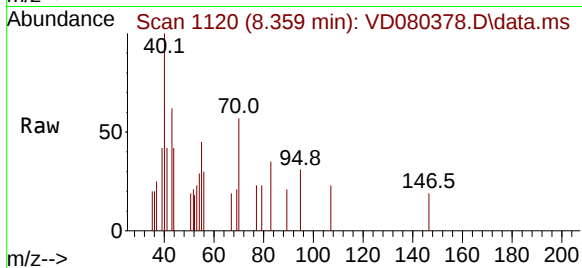
Tgt Ion: 43 Resp: 863

Ion Ratio Lower Upper

43 100

61 13.4 26.2 39.2#

87 0.0 11.8 17.8#



#45

1,2-Dichloropropane

Concen: 1.118 ug/l

RT: 9.264 min Scan# 1274

Delta R.T. -0.041 min

Lab File: VD080378.D

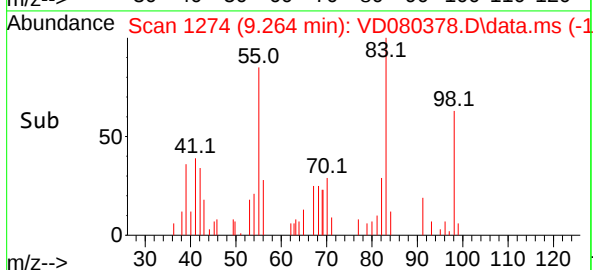
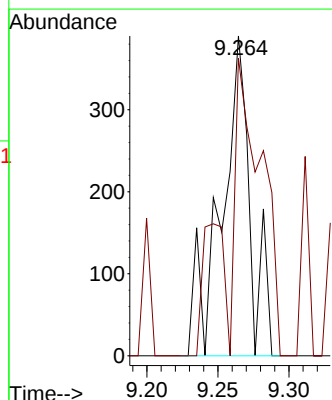
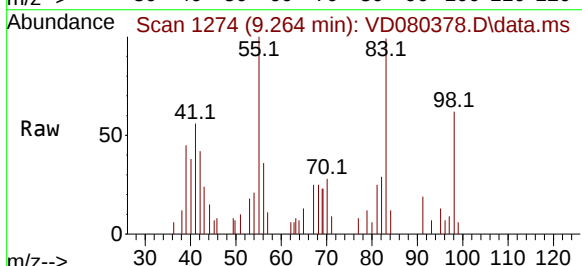
Acq: 16 May 2025 18:11

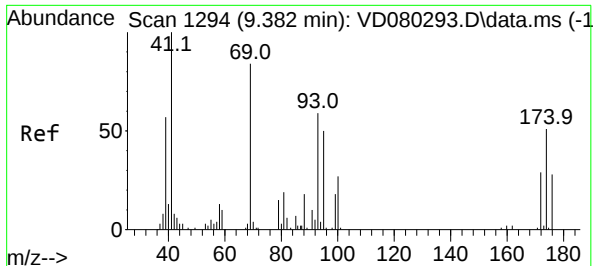
Tgt Ion: 63 Resp: 552

Ion Ratio Lower Upper

63 100

65 93.1 26.2 39.4#





#48

Methyl methacrylate

Concen: 36.025 ug/l

RT: 9.353 min Scan# 1289

Delta R.T. -0.028 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

Instrument :

MSVOA_D

ClientSampleId :

MOO-25-0148

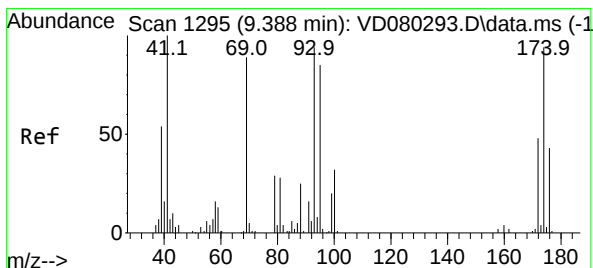
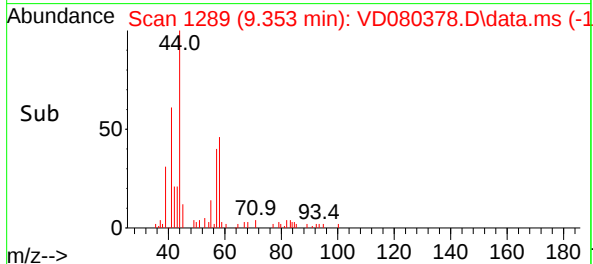
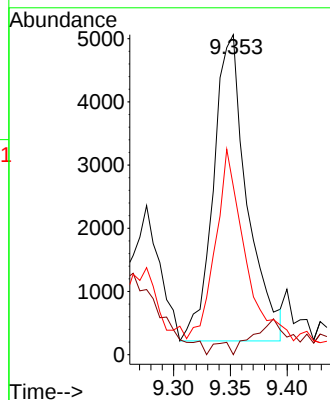
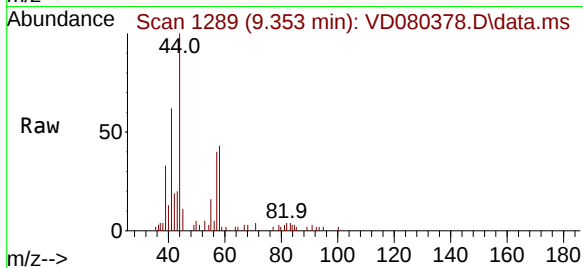
Tgt Ion: 41 Resp: 9976

Ion Ratio Lower Upper

41 100

69 1.9 74.0 111.0#

39 57.2 41.9 62.9



#49

1,4-Dioxane

Concen: 20.643 ug/l

RT: 9.382 min Scan# 1294

Delta R.T. -0.005 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

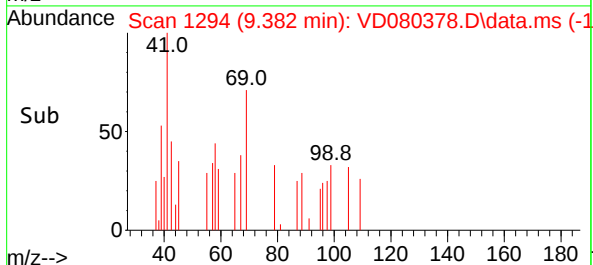
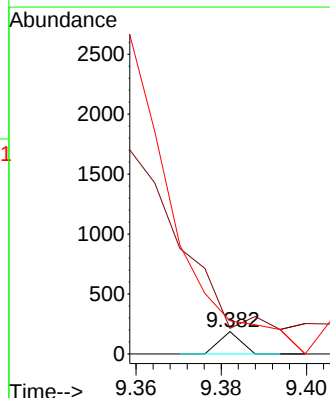
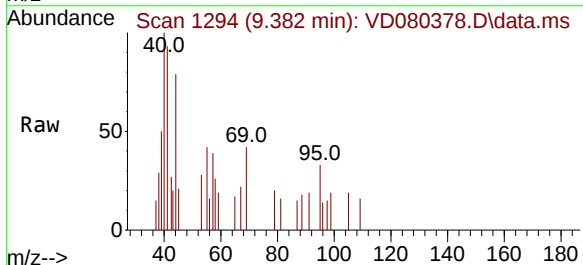
Tgt Ion: 88 Resp: 66

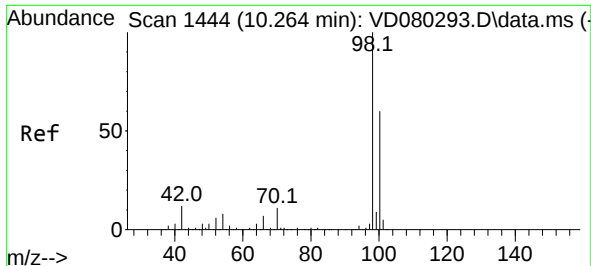
Ion Ratio Lower Upper

88 100

43 0.0 29.1 43.7#

58 0.0 59.9 89.9#

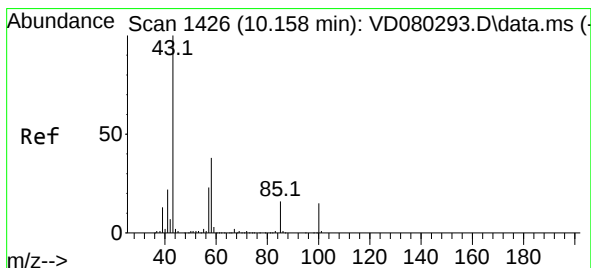
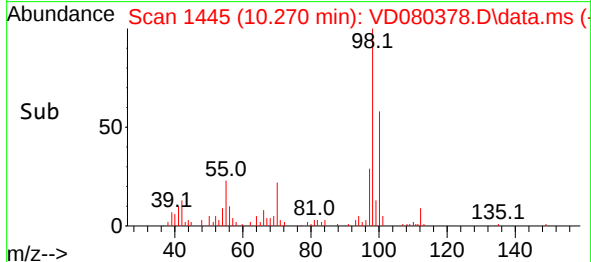
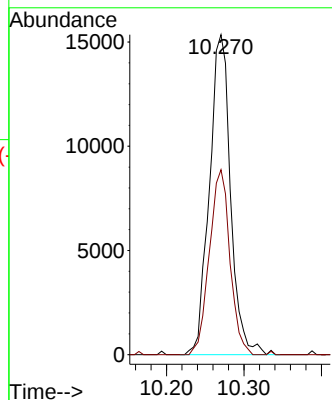
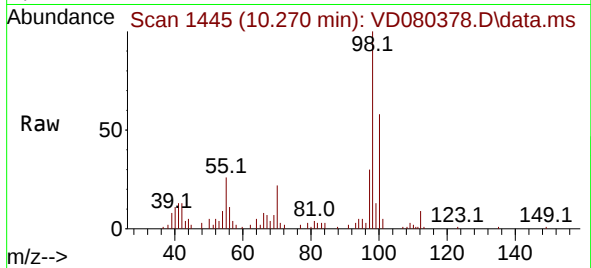




#50
Toluene-d8
Concen: 17.997 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

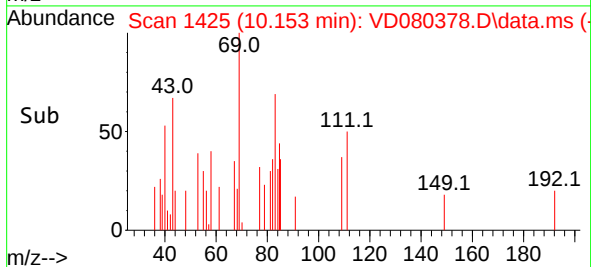
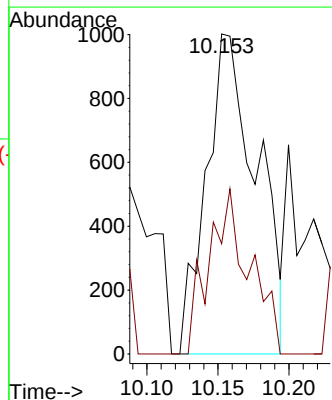
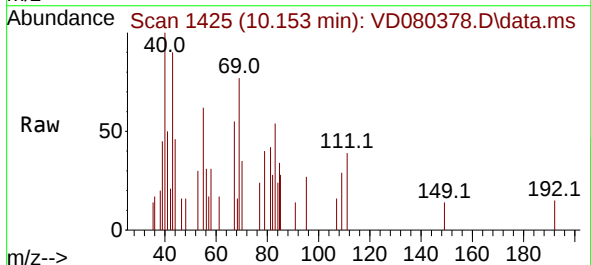
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

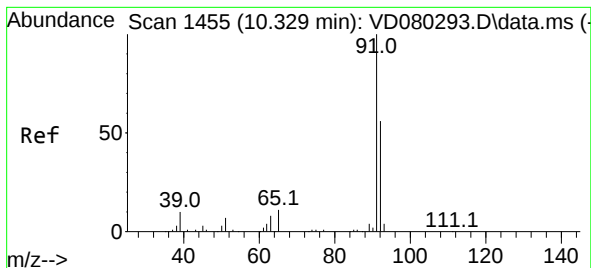
Tgt Ion: 98 Resp: 29162
Ion Ratio Lower Upper
98 100
100 56.1 50.2 75.4



#51
4-Methyl-2-Pentanone
Concen: 8.289 ug/l
RT: 10.153 min Scan# 1425
Delta R.T. -0.004 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion: 43 Resp: 2489
Ion Ratio Lower Upper
43 100
58 41.3 32.8 49.2





#52

Toluene

Concen: 9.523 ug/l

RT: 10.329 min Scan# 1455

Delta R.T. -0.005 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

Instrument :

MSVOA_D

ClientSampleId :

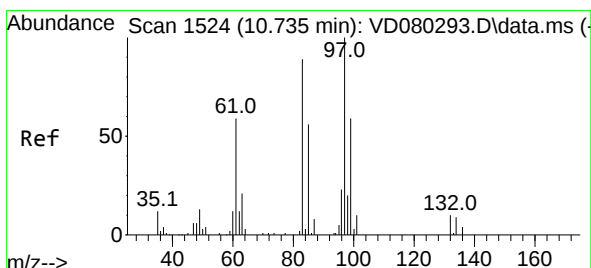
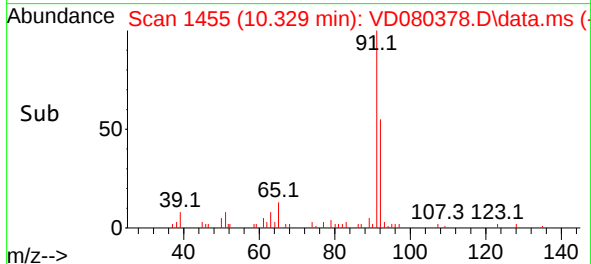
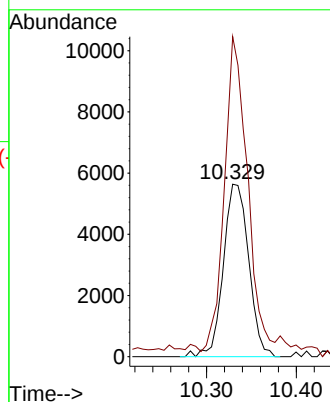
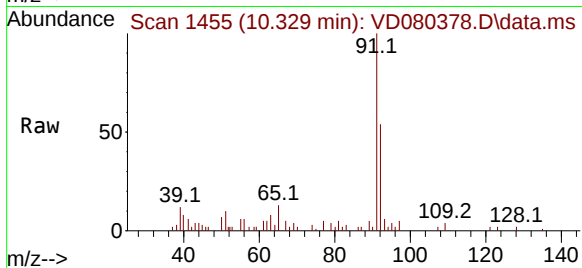
MOO-25-0148

Tgt Ion: 92 Resp: 11049

Ion Ratio Lower Upper

92 100

91 165.2 139.3 208.9



#55

1,1,2-Trichloroethane

Concen: 18.802 ug/l

RT: 10.706 min Scan# 1519

Delta R.T. -0.028 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

Tgt Ion: 97 Resp: 6688

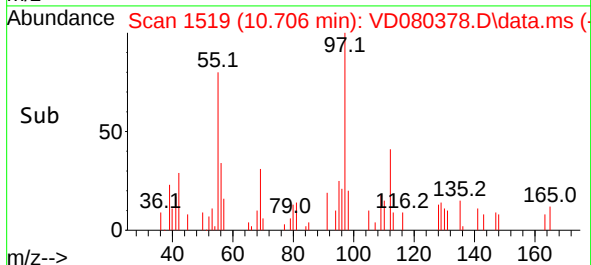
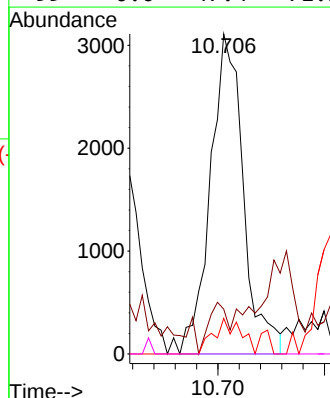
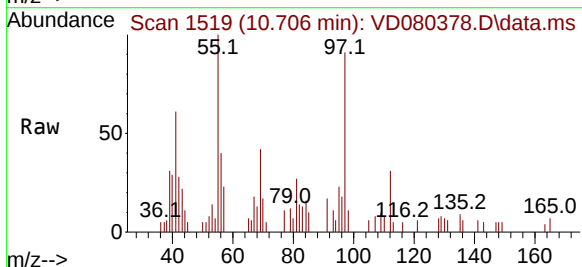
Ion Ratio Lower Upper

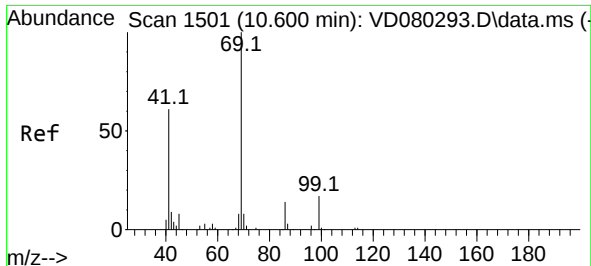
97 100

83 8.3 69.2 103.8#

85 11.1 43.0 64.6#

99 0.0 47.4 71.2#

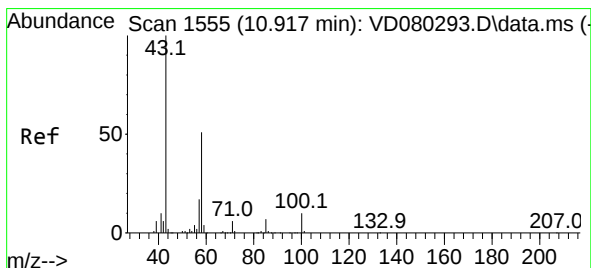
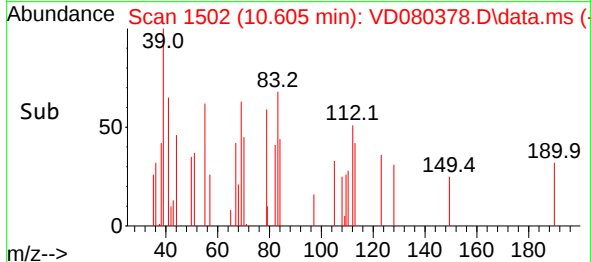
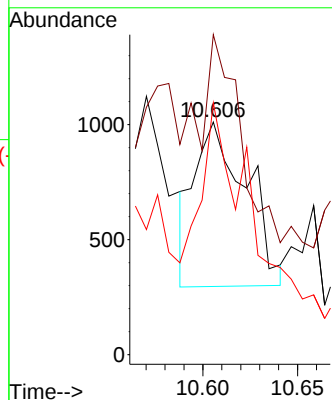
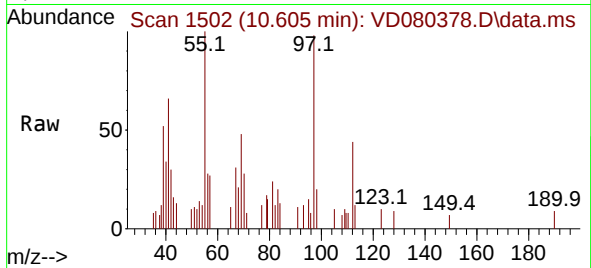




#56
Ethyl methacrylate
Concen: 3.148 ug/l
RT: 10.605 min Scan# 1501
Delta R.T. 0.006 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

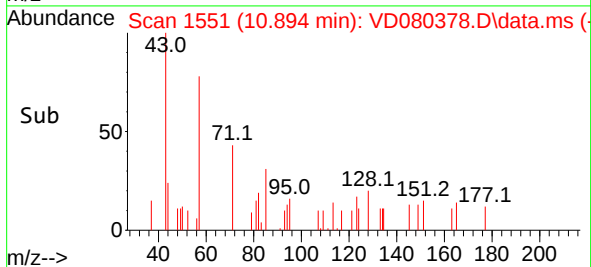
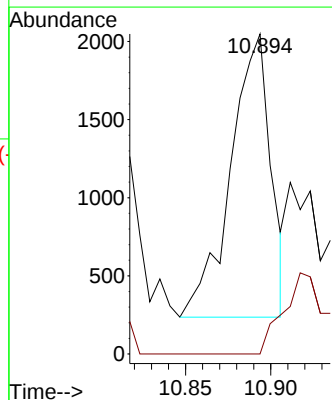
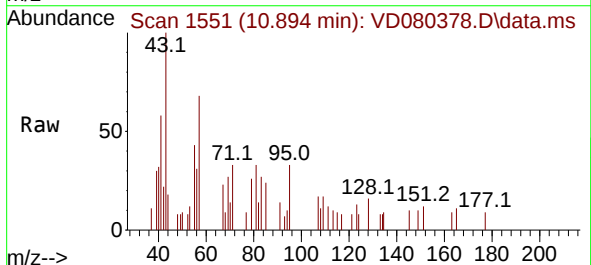
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

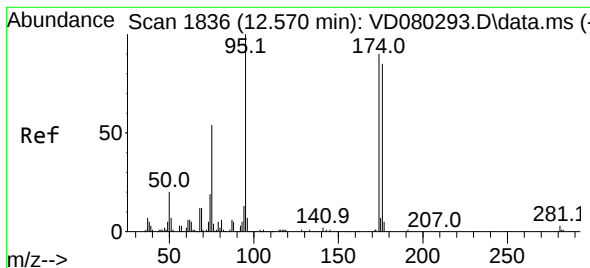
Tgt Ion: 69 Resp: 1357
Ion Ratio Lower Upper
69 100
41 81.7 50.4 75.6#
39 126.0 26.0 39.0#



#59
2-Hexanone
Concen: 14.349 ug/l
RT: 10.894 min Scan# 1551
Delta R.T. -0.022 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion: 43 Resp: 2964
Ion Ratio Lower Upper
43 100
58 0.0 27.8 83.4#

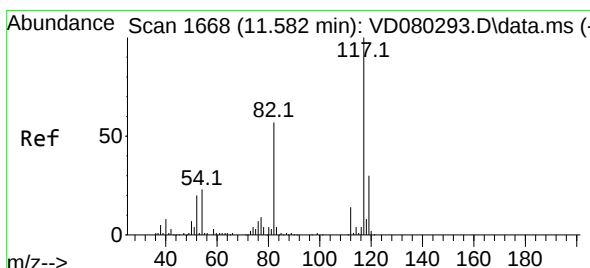
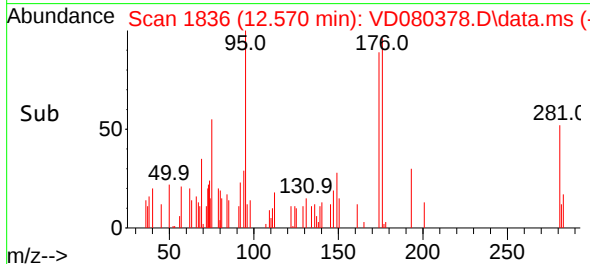
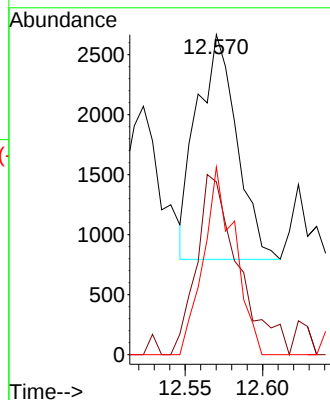
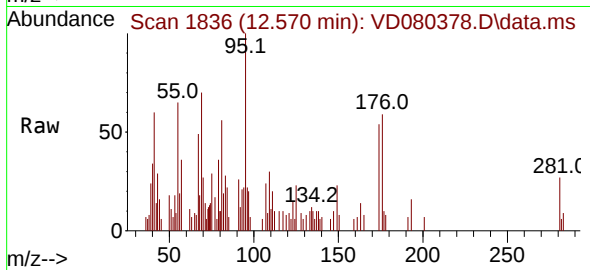




#62
4-Bromofluorobenzene
Concen: 6.441 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

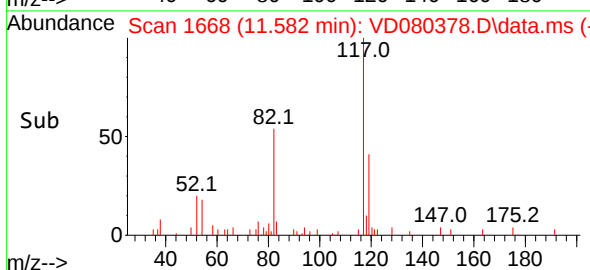
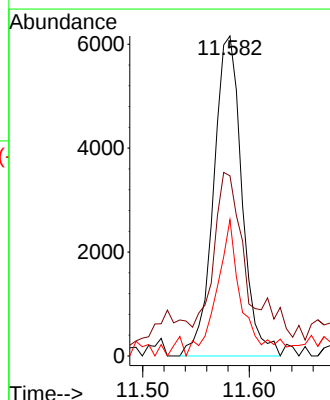
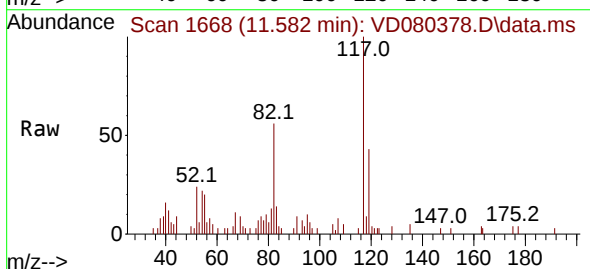
Instrument : MSVOA_D
ClientSampleId : MOO-25-0148

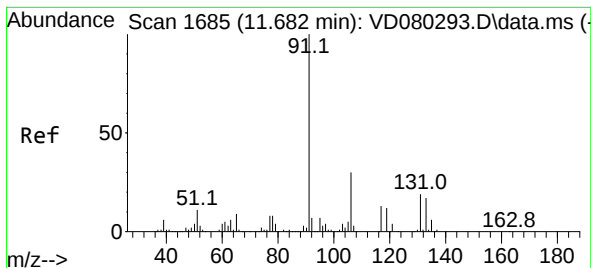
Tgt Ion: 95 Resp: 3350
Ion Ratio Lower Upper
95 100
174 84.1 0.0 173.4
176 65.9 0.0 166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion: 117 Resp: 11377
Ion Ratio Lower Upper
117 100
82 45.0 45.8 68.6#
119 37.3 26.2 39.2

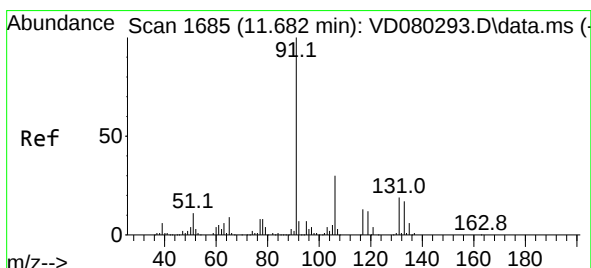
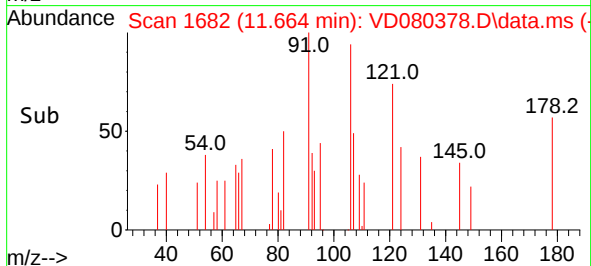
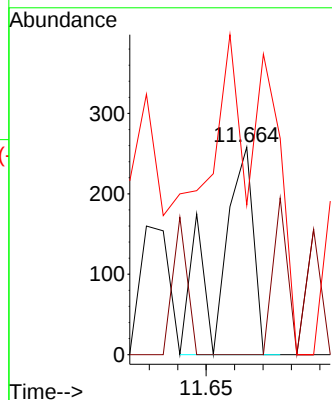
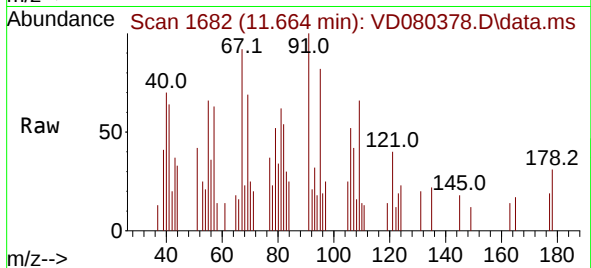




#66
 1,1,1,2-Tetrachloroethane
 Concen: 2.470 ug/l
 RT: 11.664 min Scan# 1
 Delta R.T. -0.017 min
 Lab File: VD080378.D
 Acq: 16 May 2025 18:11

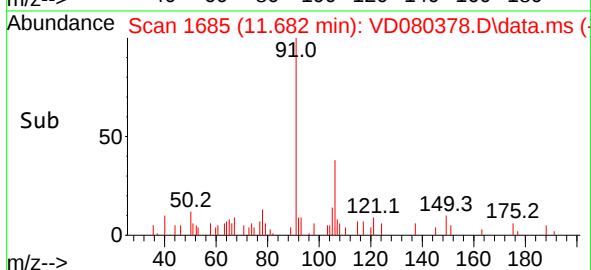
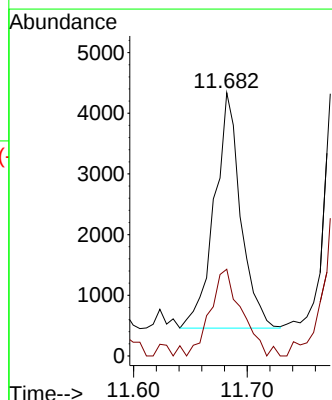
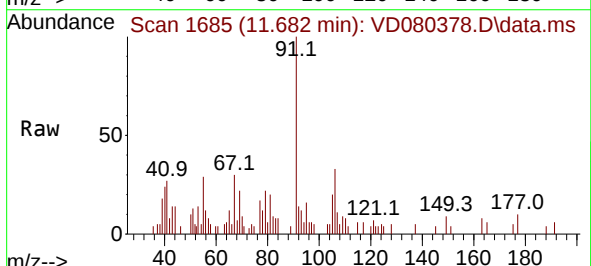
Instrument :
 MSVOA_D
 ClientSampleId :
 MOO-25-0148

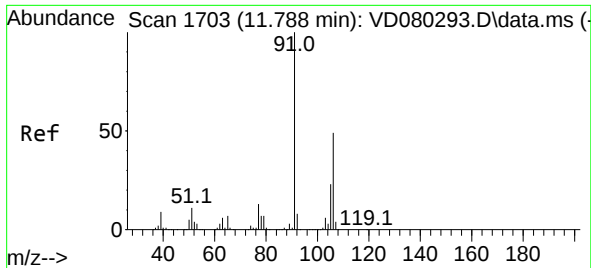
Tgt Ion:131 Resp: 218
 Ion Ratio Lower Upper
 131 100
 133 31.7 48.8 146.4#
 119 267.9 34.8 104.3#



#67
 Ethyl Benzene
 Concen: 14.564 ug/l
 RT: 11.682 min Scan# 1685
 Delta R.T. 0.001 min
 Lab File: VD080378.D
 Acq: 16 May 2025 18:11

Tgt Ion: 91 Resp: 6252
 Ion Ratio Lower Upper
 91 100
 106 32.4 23.6 35.4

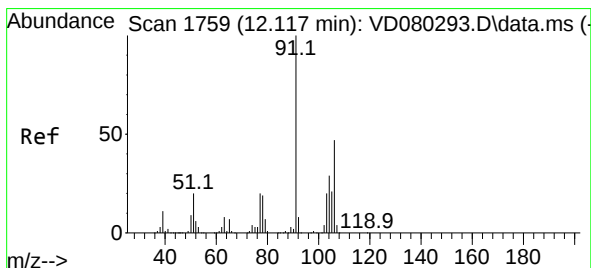
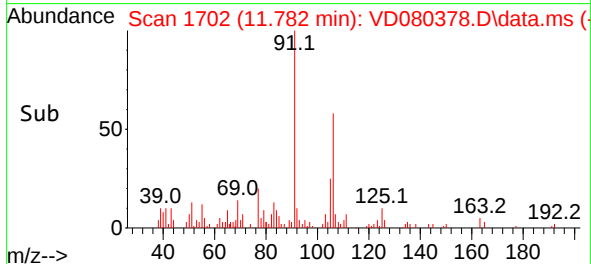
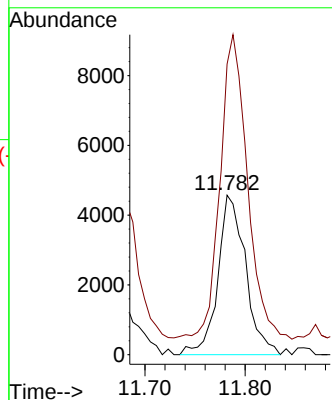
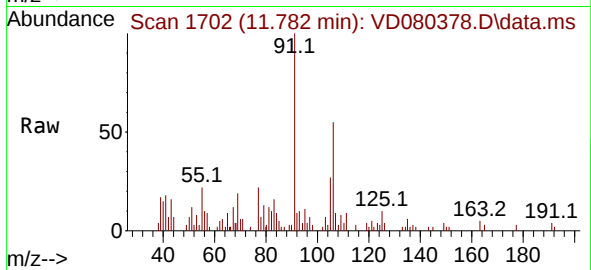




#68
m/p-Xylenes
Concen: 52.818 ug/l
RT: 11.782 min Scan# 1702
Delta R.T. -0.011 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

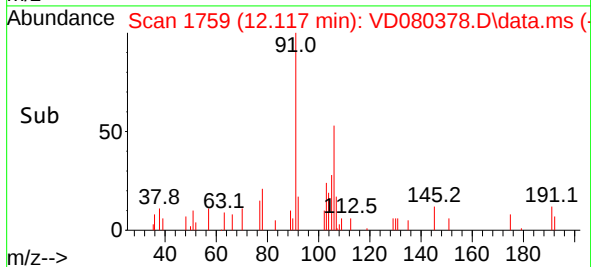
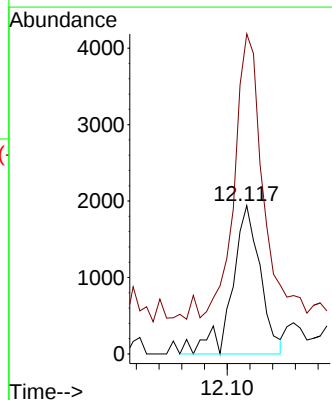
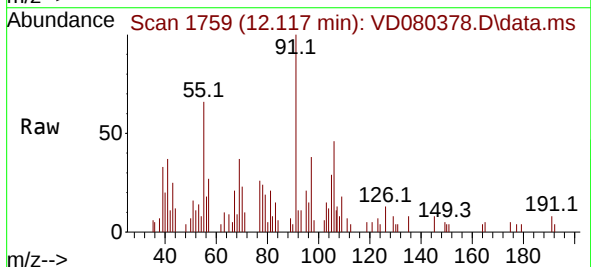
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

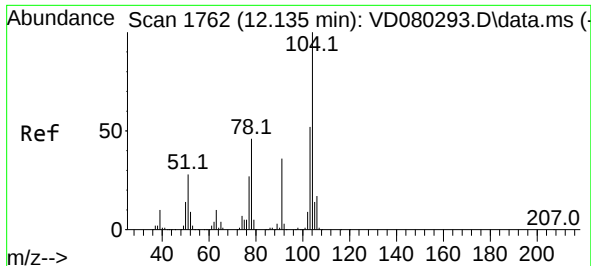
Tgt Ion:106 Resp: 8804
Ion Ratio Lower Upper
106 100
91 188.0 162.6 244.0



#69
o-Xylene
Concen: 22.086 ug/l
RT: 12.117 min Scan# 1759
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion:106 Resp: 3364
Ion Ratio Lower Upper
106 100
91 191.6 110.5 331.5

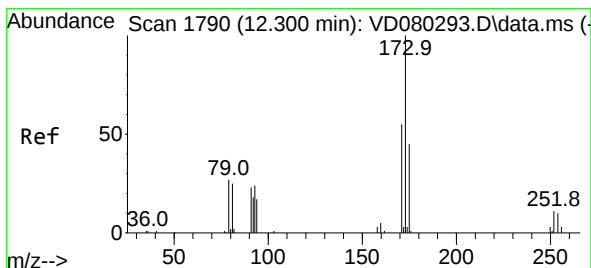
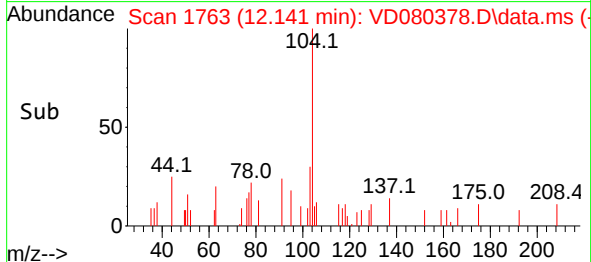
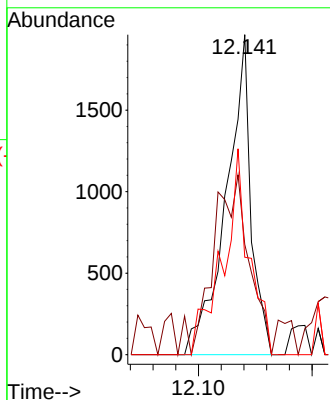
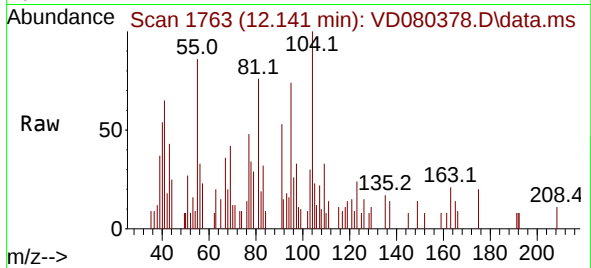




#70
Styrene
Concen: 10.881 ug/l
RT: 12.141 min Scan# 11
Delta R.T. 0.007 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

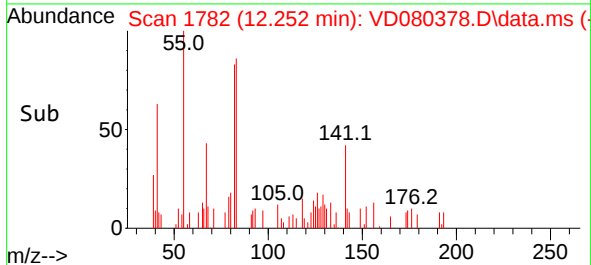
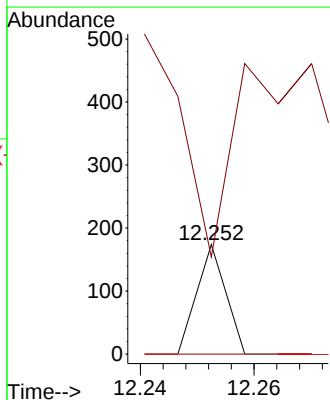
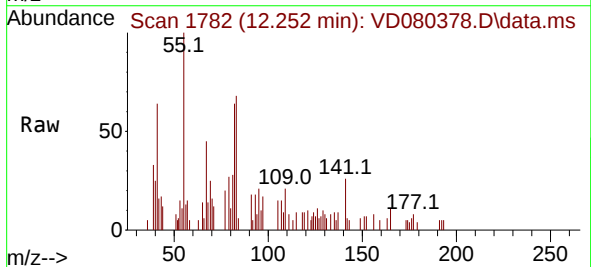
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

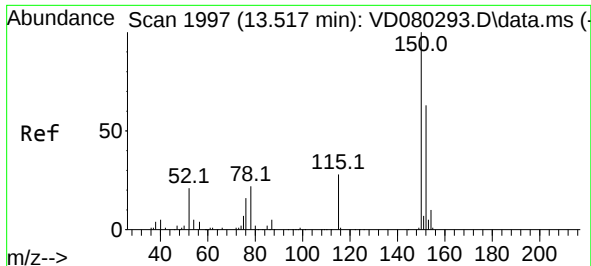
Tgt Ion:104 Resp: 2976
Ion Ratio Lower Upper
104 100
78 79.3 39.8 59.8#
103 68.3 45.2 67.8#



#71
Bromoform
Concen: 1.163 ug/l
RT: 12.252 min Scan# 1782
Delta R.T. -0.041 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion:173 Resp: 61
Ion Ratio Lower Upper
173 100
175 744.3 24.8 74.3#
254 0.0 0.0 0.0

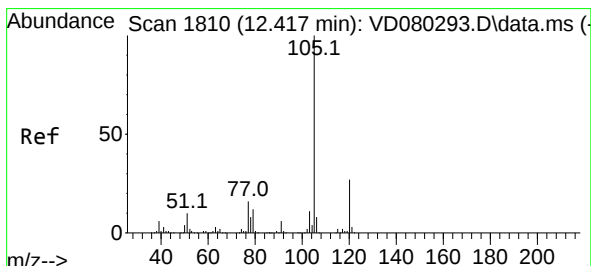
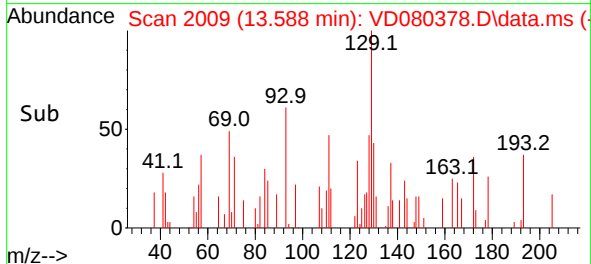
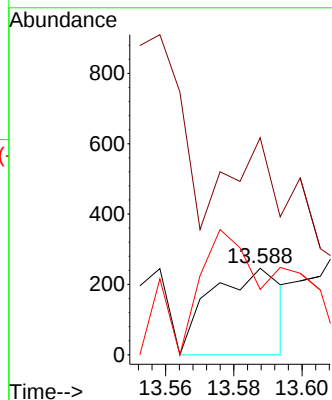
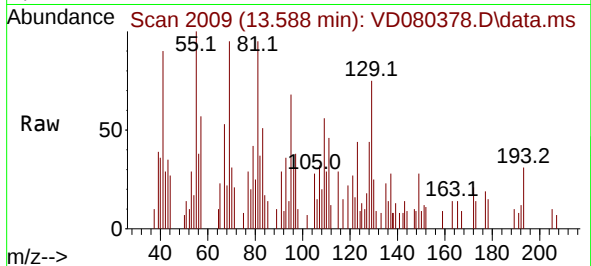




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.588 min Scan# 20
Delta R.T. 0.072 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

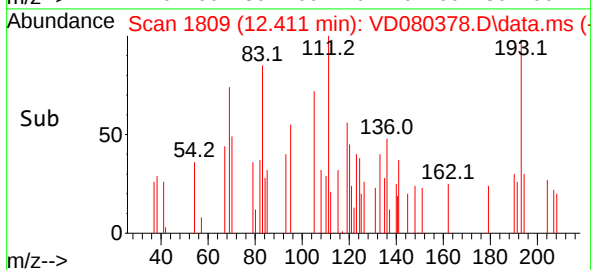
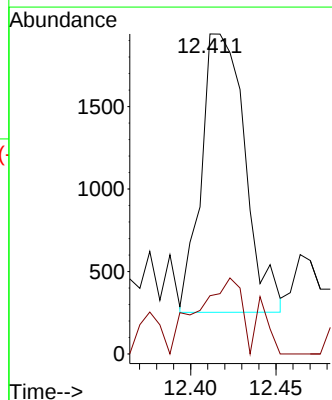
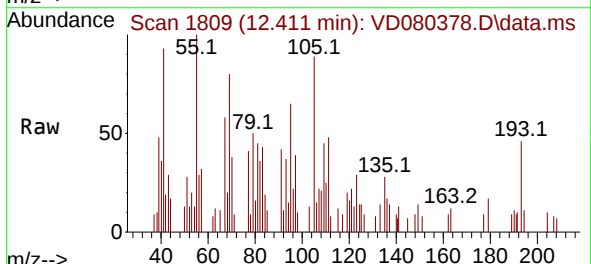
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

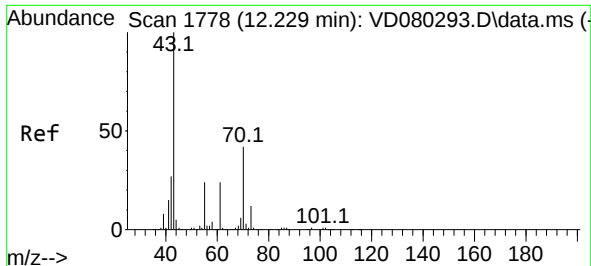
Tgt Ion:152 Resp: 351
Ion Ratio Lower Upper
152 100
115 74.9 28.9 86.8
150 196.3 0.0 354.8



#73
Isopropylbenzene
Concen: 132.199 ug/l
RT: 12.411 min Scan# 1809
Delta R.T. -0.011 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion:105 Resp: 3010
Ion Ratio Lower Upper
105 100
120 27.3 13.3 39.9

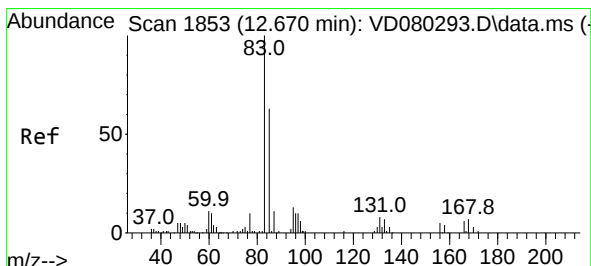
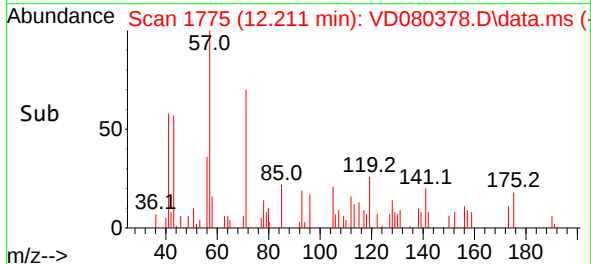
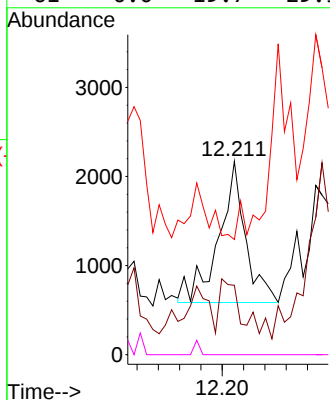
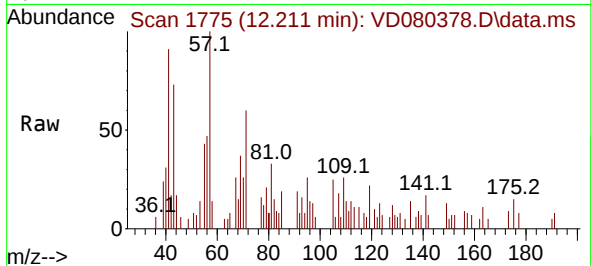




#74
N-amy1 acetate
Concen: 421.128 ug/l
RT: 12.211 min Scan# 1775
Delta R.T. -0.023 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

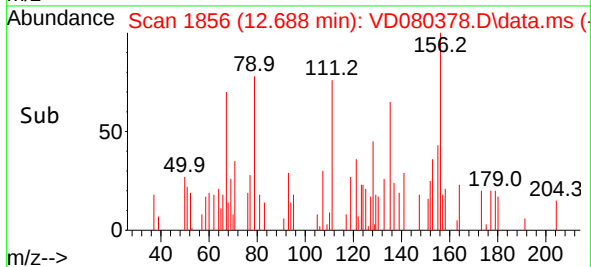
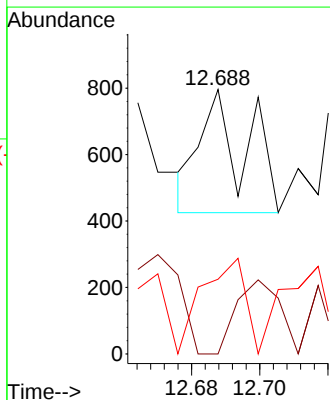
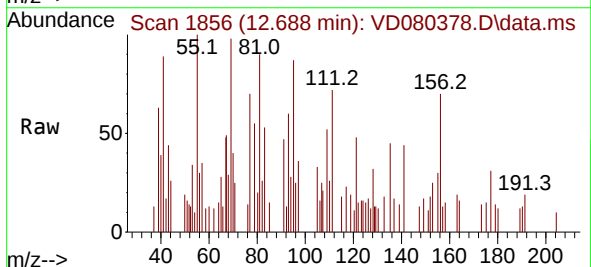
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

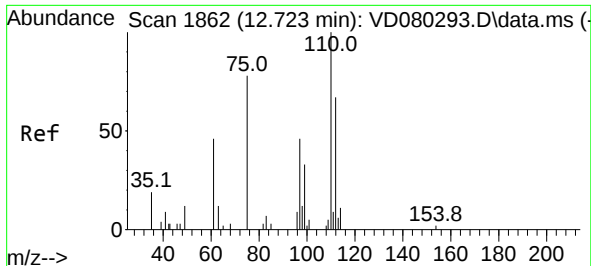
Tgt Ion:	43	Resp:	2752
Ion	Ratio	Lower	Upper
43	100		
70	24.1	36.3	54.5#
55	0.0	20.3	30.5#
61	0.0	19.7	29.5#



#75
1,1,2,2-Tetrachloroethane
Concen: 68.105 ug/l
RT: 12.688 min Scan# 1856
Delta R.T. 0.019 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion:	83	Resp:	341
Ion	Ratio	Lower	Upper
83	100		
131	57.5	5.1	15.3#
85	73.9	32.9	98.6

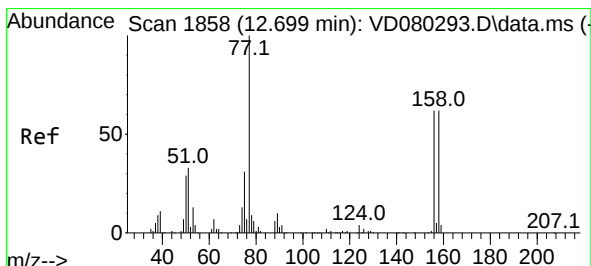
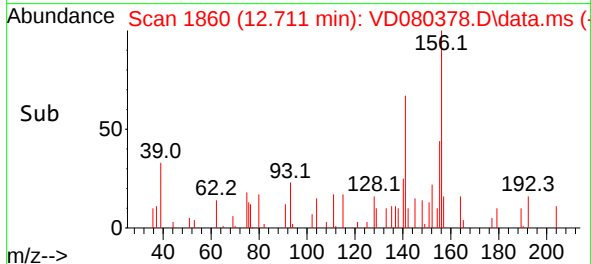
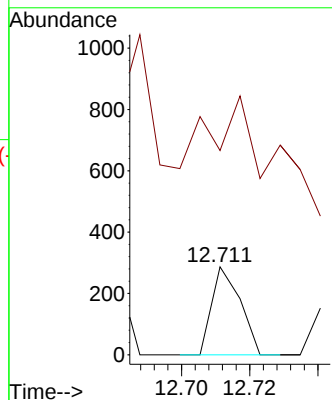
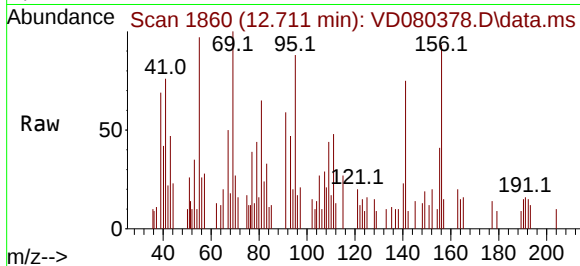




#76
1,2,3-Trichloropropane
Concen: 49.002 ug/l
RT: 12.711 min Scan# 1860
Delta R.T. -0.011 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

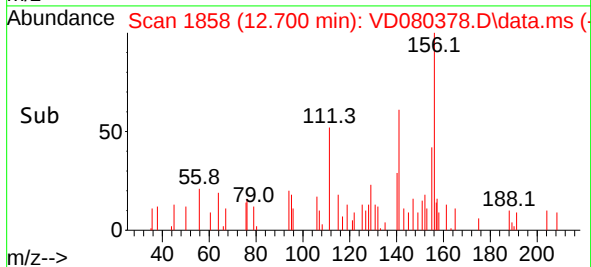
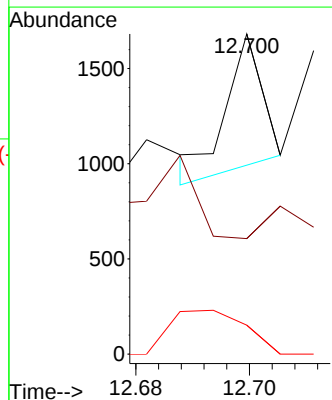
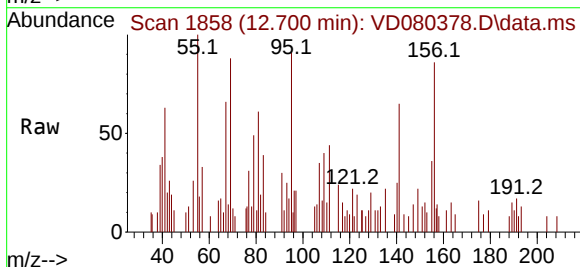
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

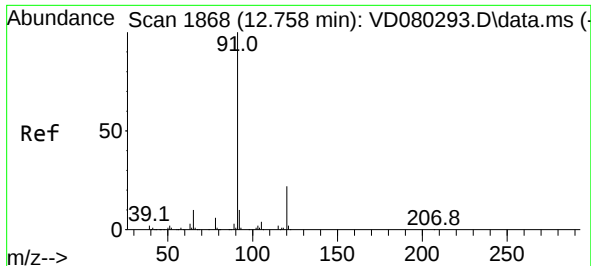
Tgt Ion: 75 Resp: 166
Ion Ratio Lower Upper
75 100
77 305.4 0.0 0.0#



#77
Bromobenzene
Concen: 52.659 ug/l
RT: 12.700 min Scan# 1858
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion: 156 Resp: 311
Ion Ratio Lower Upper
156 100
77 159.8 89.8 269.6
158 68.8 47.9 143.8

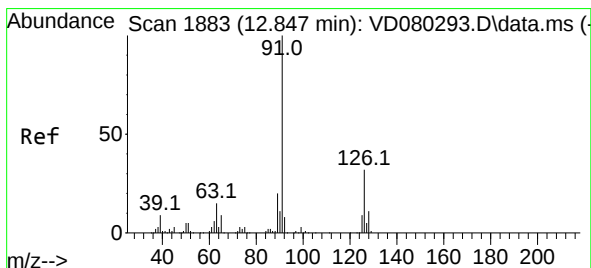
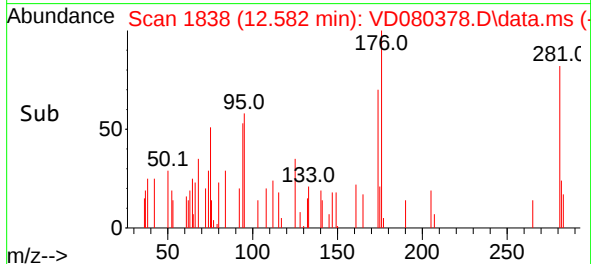
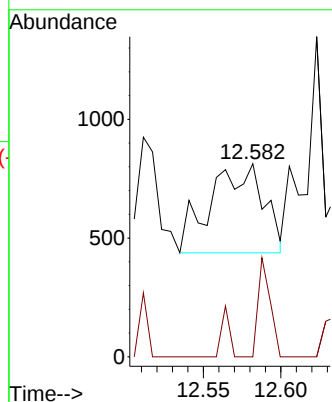
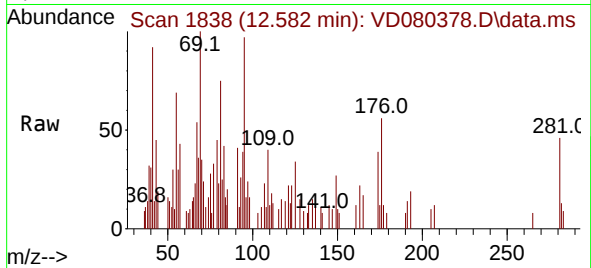




#78
n-propylbenzene
Concen: 31.043 ug/l
RT: 12.582 min Scan# 1838
Delta R.T. -0.181 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

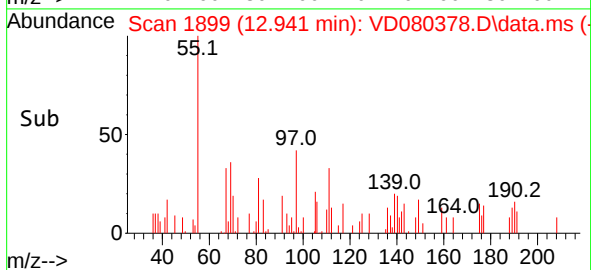
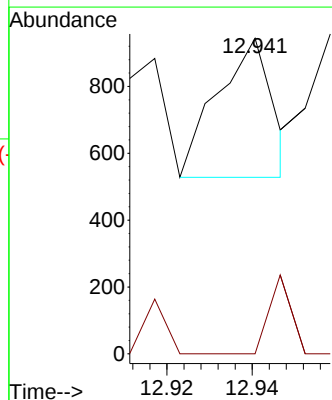
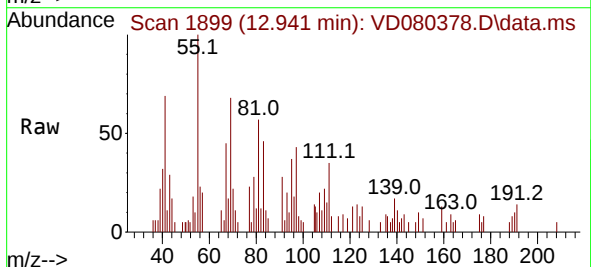
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

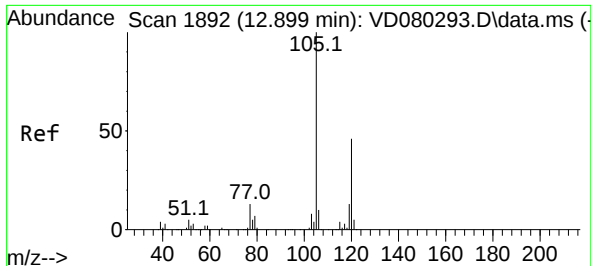
Tgt Ion: 91 Resp: 887
Ion Ratio Lower Upper
91 100
120 25.3 11.2 33.5



#79
2-Chlorotoluene
Concen: 22.503 ug/l
RT: 12.941 min Scan# 1899
Delta R.T. 0.095 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion: 91 Resp: 374
Ion Ratio Lower Upper
91 100
126 22.2 17.2 51.5

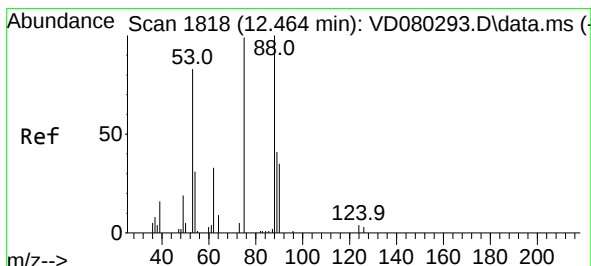
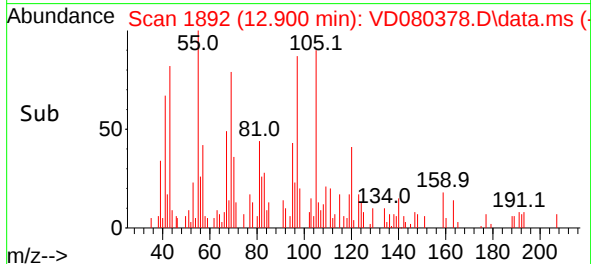
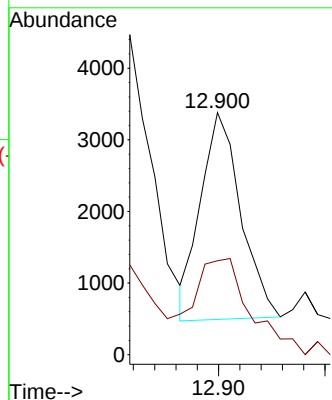
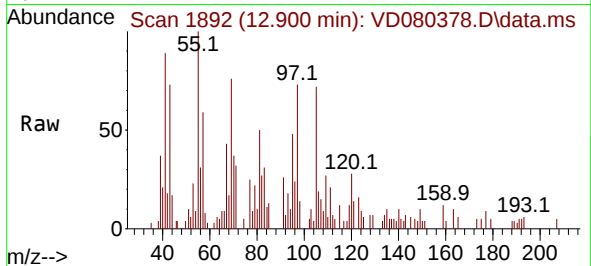




#80
 1,3,5-Trimethylbenzene
 Concen: 194.645 ug/l
 RT: 12.900 min Scan# 1892
 Delta R.T. -0.005 min
 Lab File: VD080378.D
 Acq: 16 May 2025 18:11

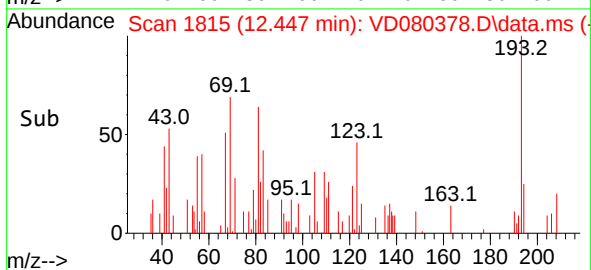
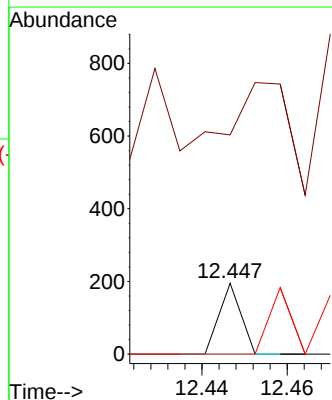
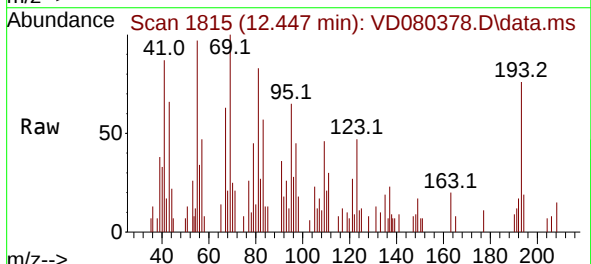
Instrument :
 MSVOA_D
 ClientSampleId :
 MOO-25-0148

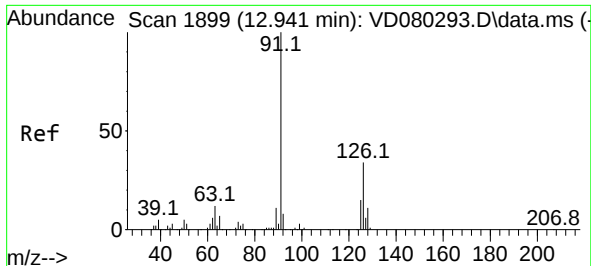
Tgt Ion:105 Resp: 3780
 Ion Ratio Lower Upper
 105 100
 120 67.5 25.0 75.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 38.663 ug/l
 RT: 12.447 min Scan# 1815
 Delta R.T. -0.022 min
 Lab File: VD080378.D
 Acq: 16 May 2025 18:11

Tgt Ion: 75 Resp: 69
 Ion Ratio Lower Upper
 75 100
 53 314.5 68.7 103.1#
 89 176.8 36.1 54.1#

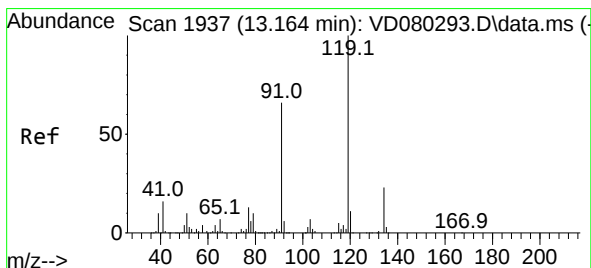
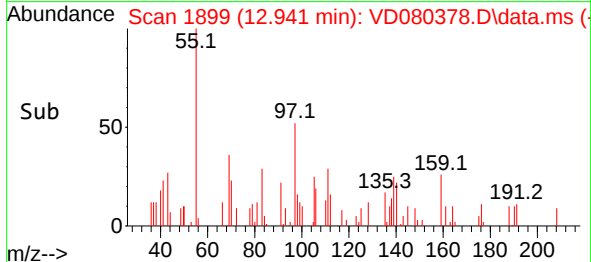
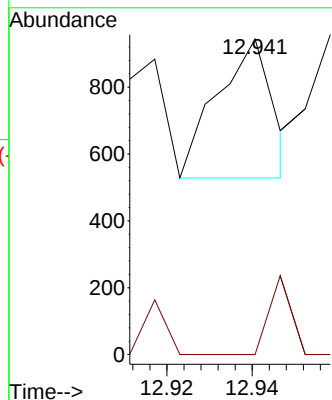
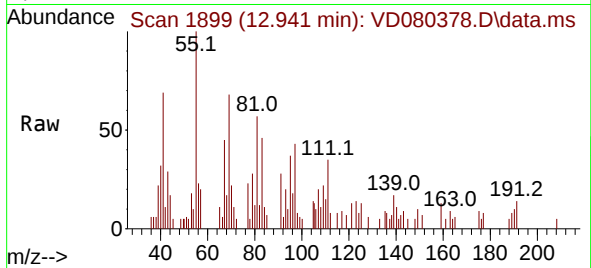




#82
4-Chlorotoluene
Concen: 20.847 ug/l
RT: 12.941 min Scan# 1899
Delta R.T. -0.005 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

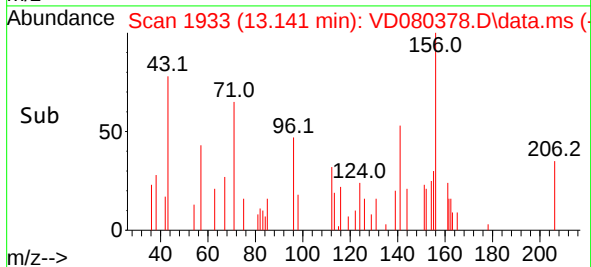
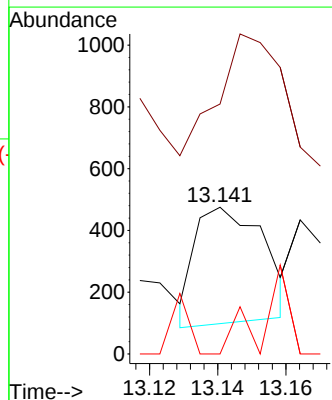
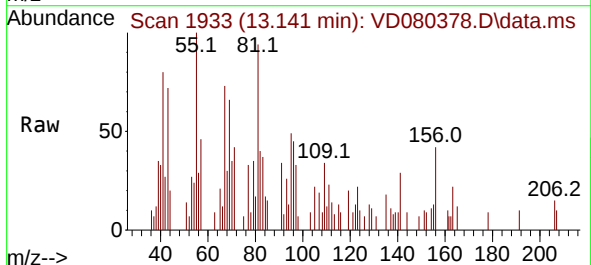
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

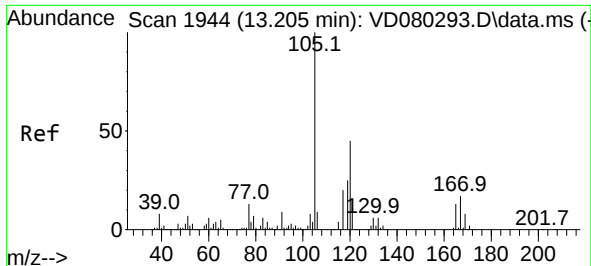
Tgt Ion: 91 Resp: 374
Ion Ratio Lower Upper
91 100
126 22.2 16.8 50.3



#83
tert-Butylbenzene
Concen: 32.396 ug/l
RT: 13.141 min Scan# 1933
Delta R.T. -0.022 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion: 119 Resp: 525
Ion Ratio Lower Upper
119 100
91 106.3 33.3 99.9#
134 29.7 13.5 40.5

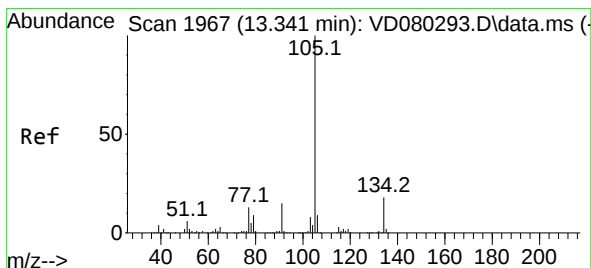
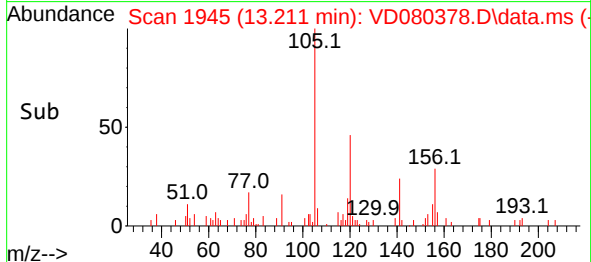
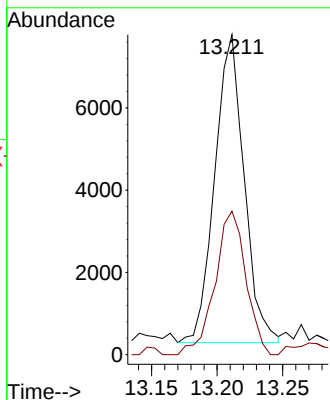
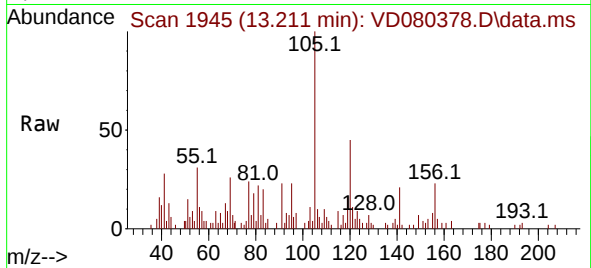




#84
1,2,4-Trimethylbenzene
Concen: 586.321 ug/l
RT: 13.211 min Scan# 1945
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

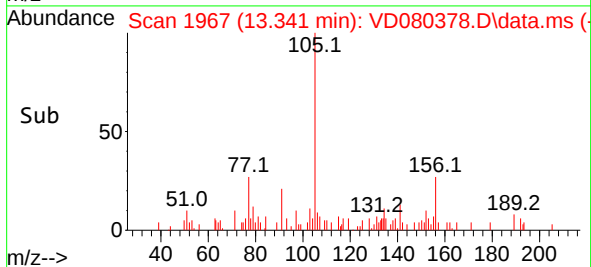
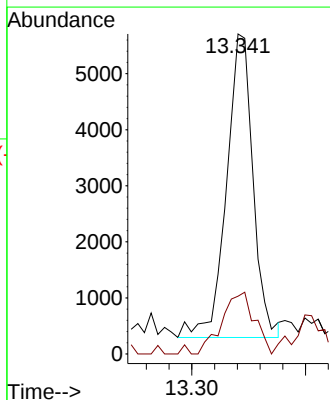
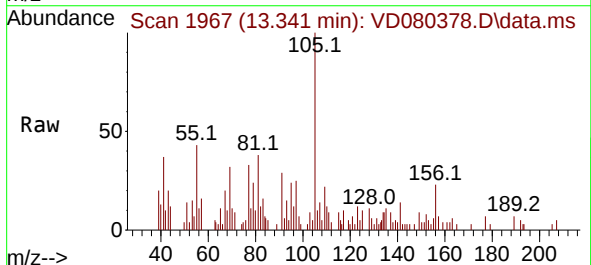
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

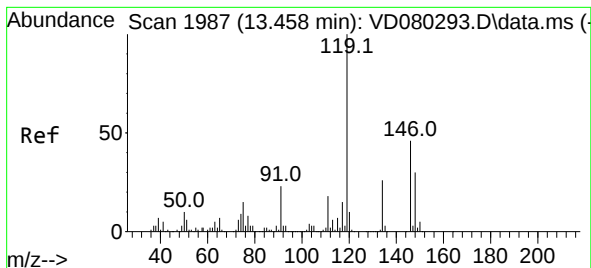
Tgt Ion:105 Resp: 11650
Ion Ratio Lower Upper
105 100
120 49.1 22.8 68.4



#85
sec-Butylbenzene
Concen: 352.617 ug/l
RT: 13.341 min Scan# 1967
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion:105 Resp: 8812
Ion Ratio Lower Upper
105 100
134 24.8 9.8 29.3





#86

p-Isopropyltoluene

Concen: 93.558 ug/l

RT: 13.458 min Scan# 1987

Delta R.T. 0.001 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

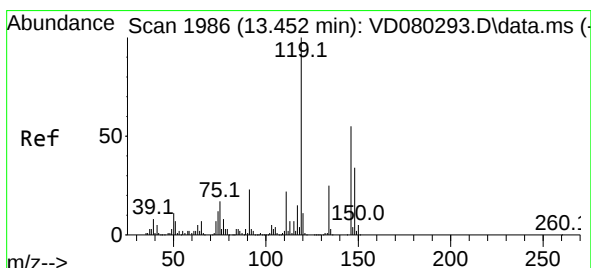
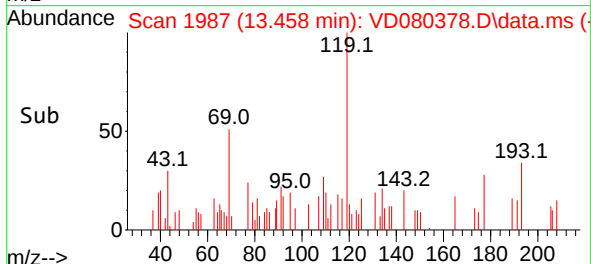
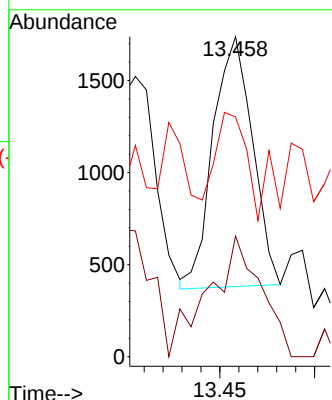
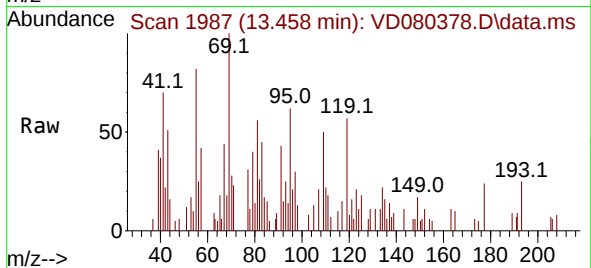
Instrument :

MSVOA_D

ClientSampleId :

MOO-25-0148

Tgt Ion:	119	Resp:	1965
Ion	Ratio	Lower	Upper
119	100		
134	63.9	13.1	39.1#
91	36.0	12.2	36.4



#87

1,3-Dichlorobenzene

Concen: 5.196 ug/l

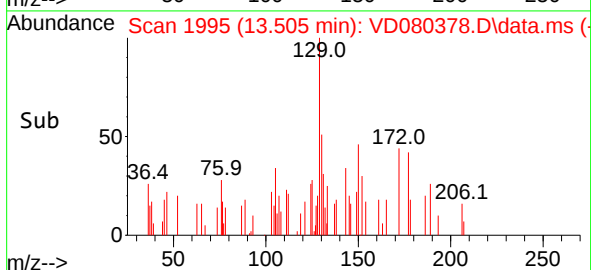
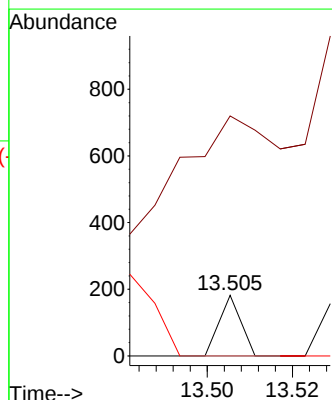
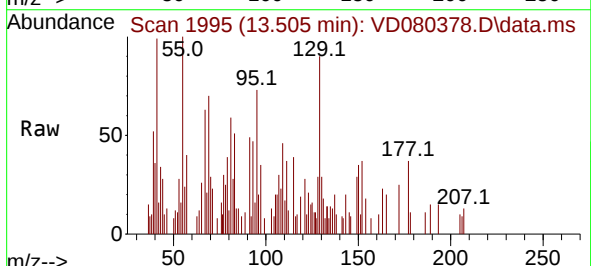
RT: 13.505 min Scan# 1995

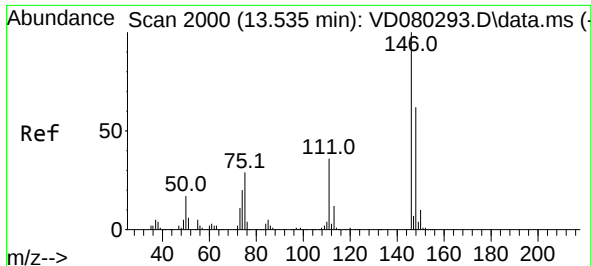
Delta R.T. 0.048 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

Tgt Ion:	146	Resp:	64
Ion	Ratio	Lower	Upper
146	100		
111	812.5	20.0	59.9#
148	0.0	31.9	95.7#

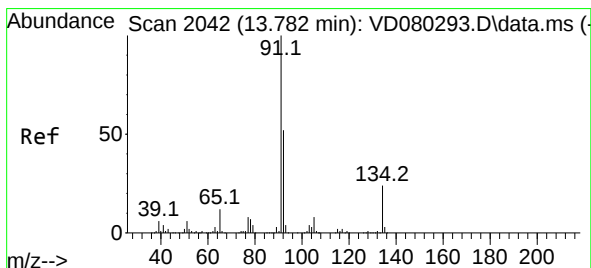
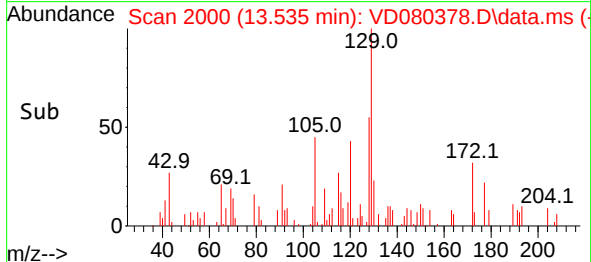
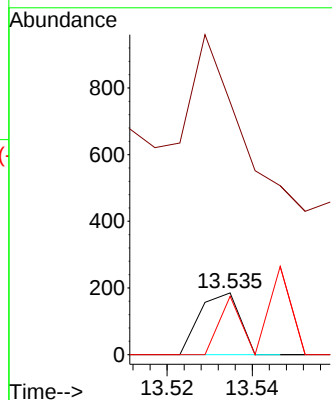
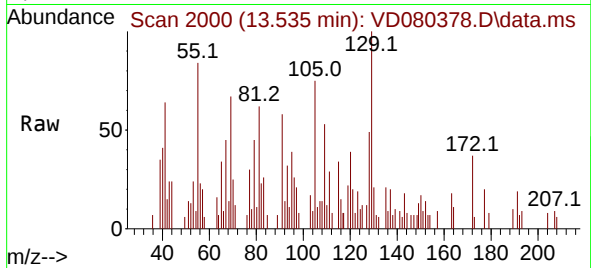




#88
1,4-Dichlorobenzene
Concen: 9.745 ug/l
RT: 13.535 min Scan# 2000
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

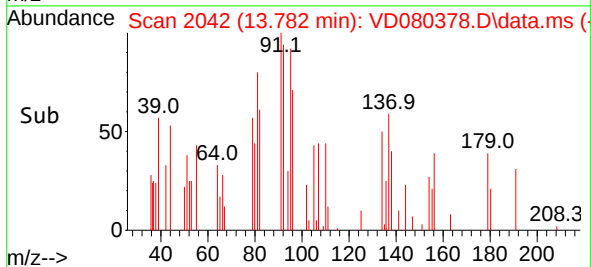
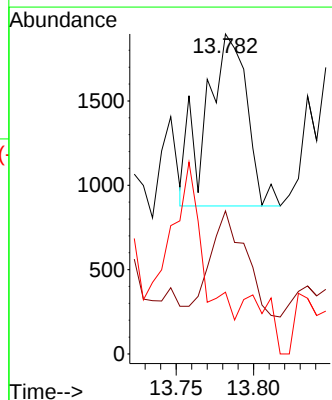
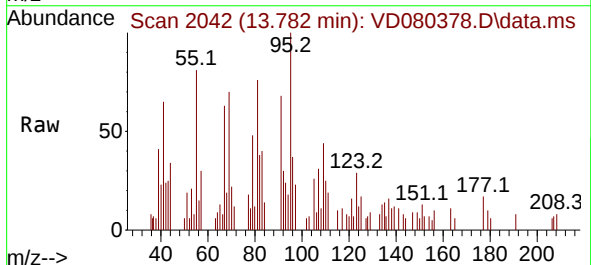
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

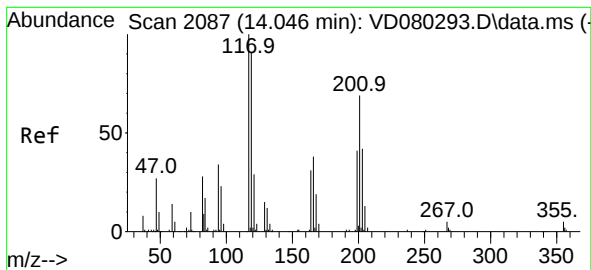
Tgt Ion:146 Resp: 121
Ion Ratio Lower Upper
146 100
111 367.8 19.3 57.8#
148 128.1 32.9 98.7#



#89
n-Butylbenzene
Concen: 92.454 ug/l
RT: 13.782 min Scan# 2042
Delta R.T. -0.005 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion: 91 Resp: 1885
Ion Ratio Lower Upper
91 100
92 52.0 26.3 78.9
134 0.0 12.3 36.8#





#90

Hexachloroethane

Concen: 178.174 ug/l

RT: 14.052 min Scan# 2088

Delta R.T. 0.001 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

Instrument :

MSVOA_D

ClientSampleId :

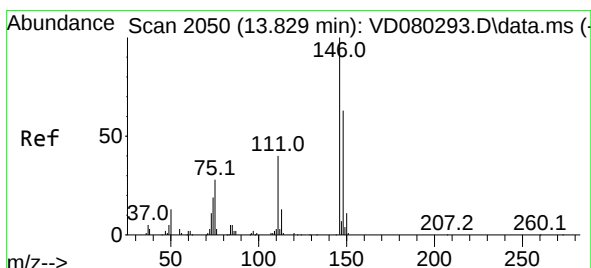
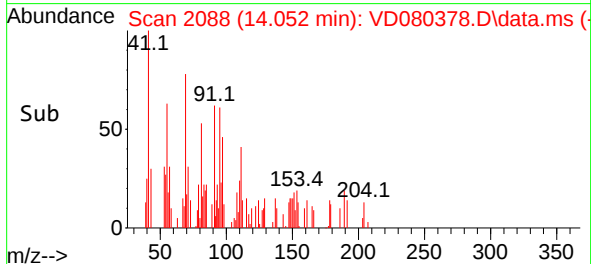
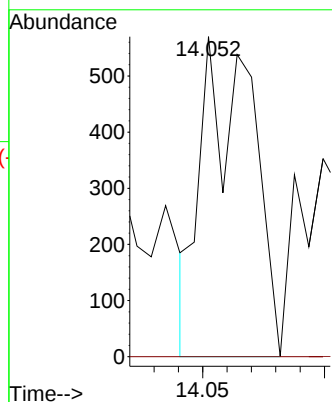
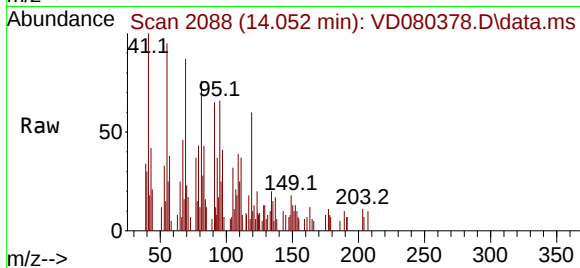
MOO-25-0148

Tgt Ion:117 Resp: 828

Ion Ratio Lower Upper

117 100

201 0.0 37.5 112.5#



#91

1,2-Dichlorobenzene

Concen: 5.234 ug/l

RT: 13.841 min Scan# 2052

Delta R.T. 0.013 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

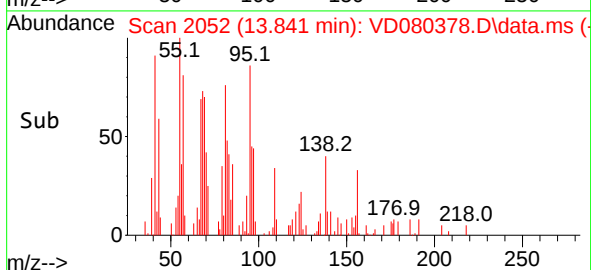
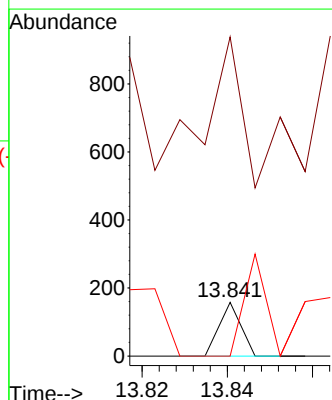
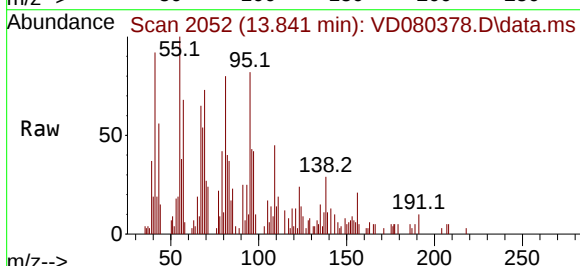
Tgt Ion:146 Resp: 56

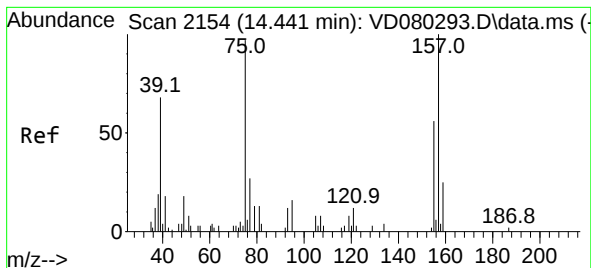
Ion Ratio Lower Upper

146 100

111 282.1 20.6 61.8#

148 289.3 32.7 98.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 97.745 ug/l

RT: 14.435 min Scan# 2154

Delta R.T. -0.005 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

Instrument :

MSVOA_D

ClientSampleId :

MOO-25-0148

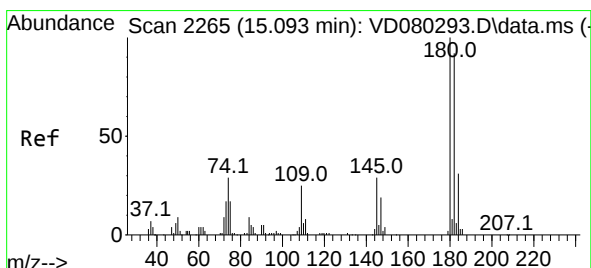
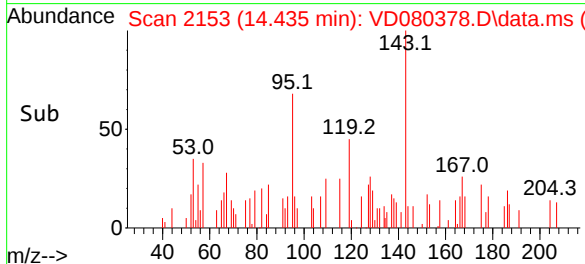
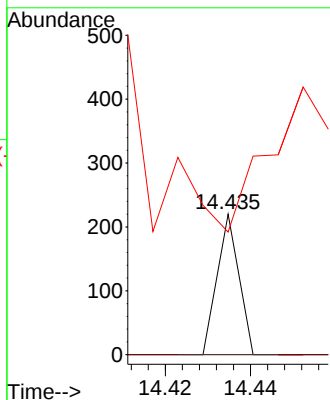
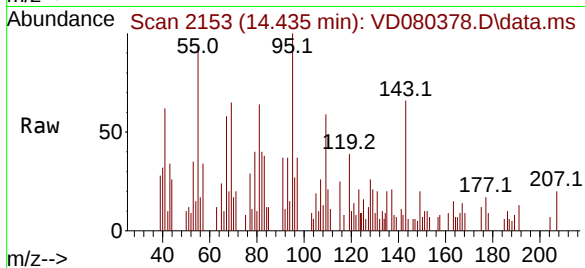
Tgt Ion: 75 Resp: 78

Ion Ratio Lower Upper

75 100

155 0.0 40.6 122.0#

157 701.3 53.3 159.9#



#93

1,2,4-Trichlorobenzene

Concen: 52.164 ug/l

RT: 15.094 min Scan# 2265

Delta R.T. -0.005 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

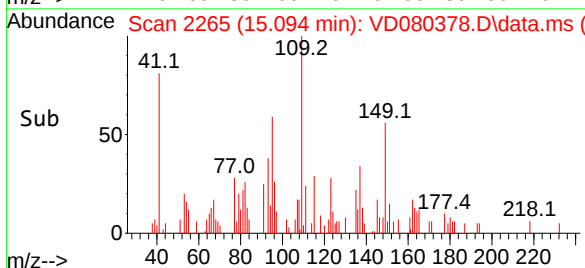
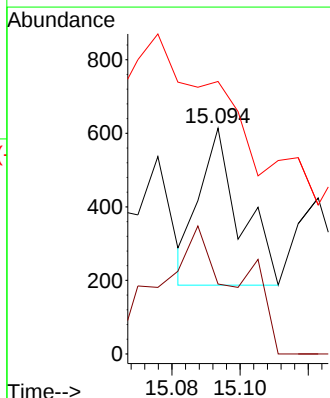
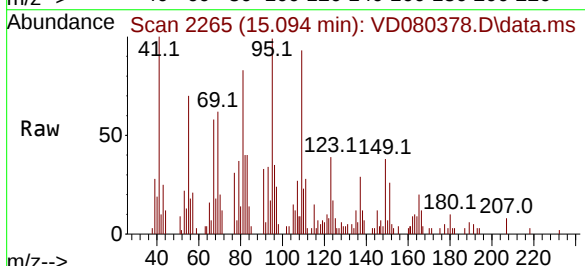
Tgt Ion:180 Resp: 351

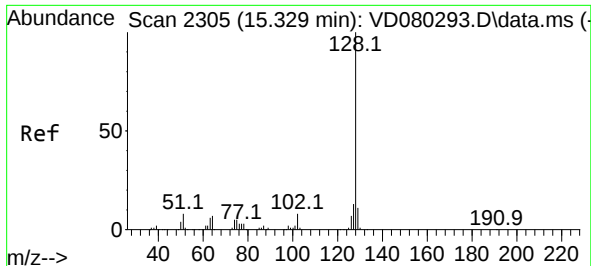
Ion Ratio Lower Upper

180 100

182 157.5 47.4 142.2#

145 0.0 14.7 44.1#

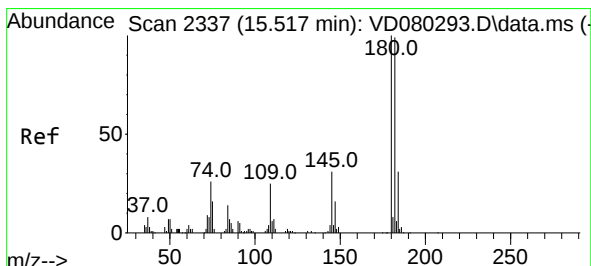
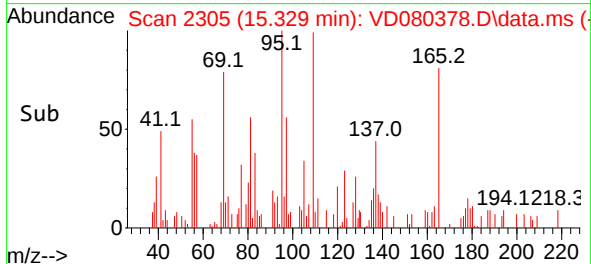
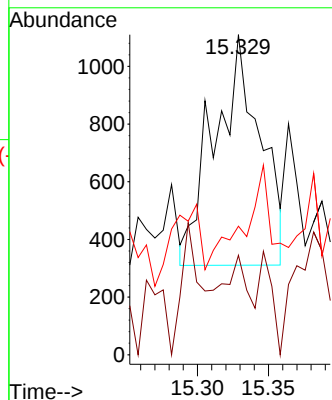
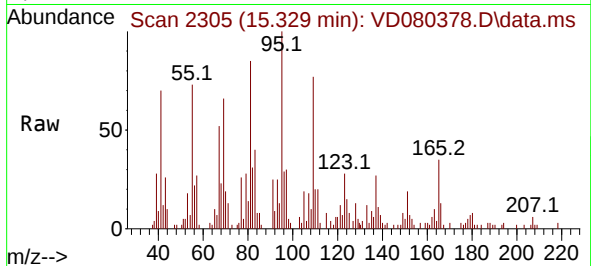




#95
Naphthalene
Concen: 141.440 ug/l
RT: 15.329 min Scan# 2111
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

Tgt Ion:128 Resp: 1787
Ion Ratio Lower Upper
128 100
127 31.1 11.8 17.8#
129 61.1 8.3 12.5#



#96
1,2,3-Trichlorobenzene
Concen: 775.174 ug/l
RT: 15.482 min Scan# 2331
Delta R.T. -0.034 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion:180 Resp: 4665
Ion Ratio Lower Upper
180 100
182 10.0 47.5 142.6#
145 0.0 15.7 47.0#

