

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
 Data File : VD080355.D
 Acq On : 15 May 2025 18:10
 Operator : RP/MD
 Sample : Q2014-03
 Misc : 4.75G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MOO-25-0145

Quant Time: May 16 03:01:23 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	7.882	168	15027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	30915	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	10522	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.505	152	2173	50.000	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	20910	107.603	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 215.200%#	
35) Dibromofluoromethane	7.811	113	20392	98.415	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 196.840%#	
50) Toluene-d8	10.270	98	20214	24.760	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 49.520%#	
62) 4-Bromofluorobenzene	12.576	95	3408	13.006	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 26.020%#	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.929	85	54	Below Cal	#	43
3) Chloromethane	2.141	50	401	Below Cal	#	39
6) Chloroethane	2.847	64	507	1.836	ug/l	95
11) Tert butyl alcohol	5.047	59	14550	1233.907	ug/l	# 82
13) Acrolein	3.794	56	1694	81.648	ug/l	86
15) Acrylonitrile	5.241	53	61	1.372	ug/l	# 1
16) Acetone	4.029	43	21924	719.661	ug/l	91
17) Carbon Disulfide	4.282	76	965	1.527	ug/l	# 74
18) Methyl Acetate	4.576	43	386	3.070	ug/l	# 88
20) Methylene Chloride	4.800	84	7995	37.573	ug/l	# 88
25) 2-Butanone	7.088	43	4199	78.534	ug/l	92
28) Bromochloromethane	7.441	49	175	1.013	ug/l	# 10
29) Tetrahydrofuran	7.241	42	169	4.848	ug/l	96
31) Cyclohexane	7.870	56	1189	3.766	ug/l	# 84
37) Ethyl Acetate	7.176	43	311	1.921	ug/l	# 50
38) Carbon Tetrachloride	7.876	117	1632	5.053	ug/l	# 14
39) Methylcyclohexane	9.270	83	4467	12.431	ug/l	# 85
40) Benzene	8.247	78	2553	2.631	ug/l	93
48) Methyl methacrylate	9.347	41	5381	38.568	ug/l	# 35
51) 4-Methyl-2-Pentanone	10.258	43	421	2.783	ug/l	93
52) Toluene	10.335	92	7191	12.302	ug/l	86
55) 1,1,2-Trichloroethane	10.705	97	3859	21.532	ug/l	# 21
56) Ethyl methacrylate	10.599	69	1273	5.862	ug/l	# 5
59) 2-Hexanone	10.888	43	2556	24.559	ug/l	# 24
67) Ethyl Benzene	11.676	91	5571	14.032	ug/l	93
68) m/p-Xylenes	11.782	106	6161	39.965	ug/l	93
69) o-Xylene	12.117	106	2569	18.237	ug/l	80
70) Styrene	12.135	104	2274	8.990	ug/l	# 65
73) Isopropylbenzene	12.423	105	3064	21.737	ug/l	96
74) N-amyl acetate	12.258	43	237	5.858	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.635	83	389	12.549	ug/l	# 44
76) 1,2,3-Trichloropropane	12.758	75	119	5.674	ug/l	# 100
77) Bromobenzene	12.693	156	53	1.450	ug/l	# 1
78) n-propylbenzene	12.758	91	2969	16.784	ug/l	93
79) 2-Chlorotoluene	12.823	91	1014	9.855	ug/l	# 40
80) 1,3,5-Trimethylbenzene	12.905	105	2907	24.179	ug/l	100

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Quant Time: May 16 03:01:23 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)	

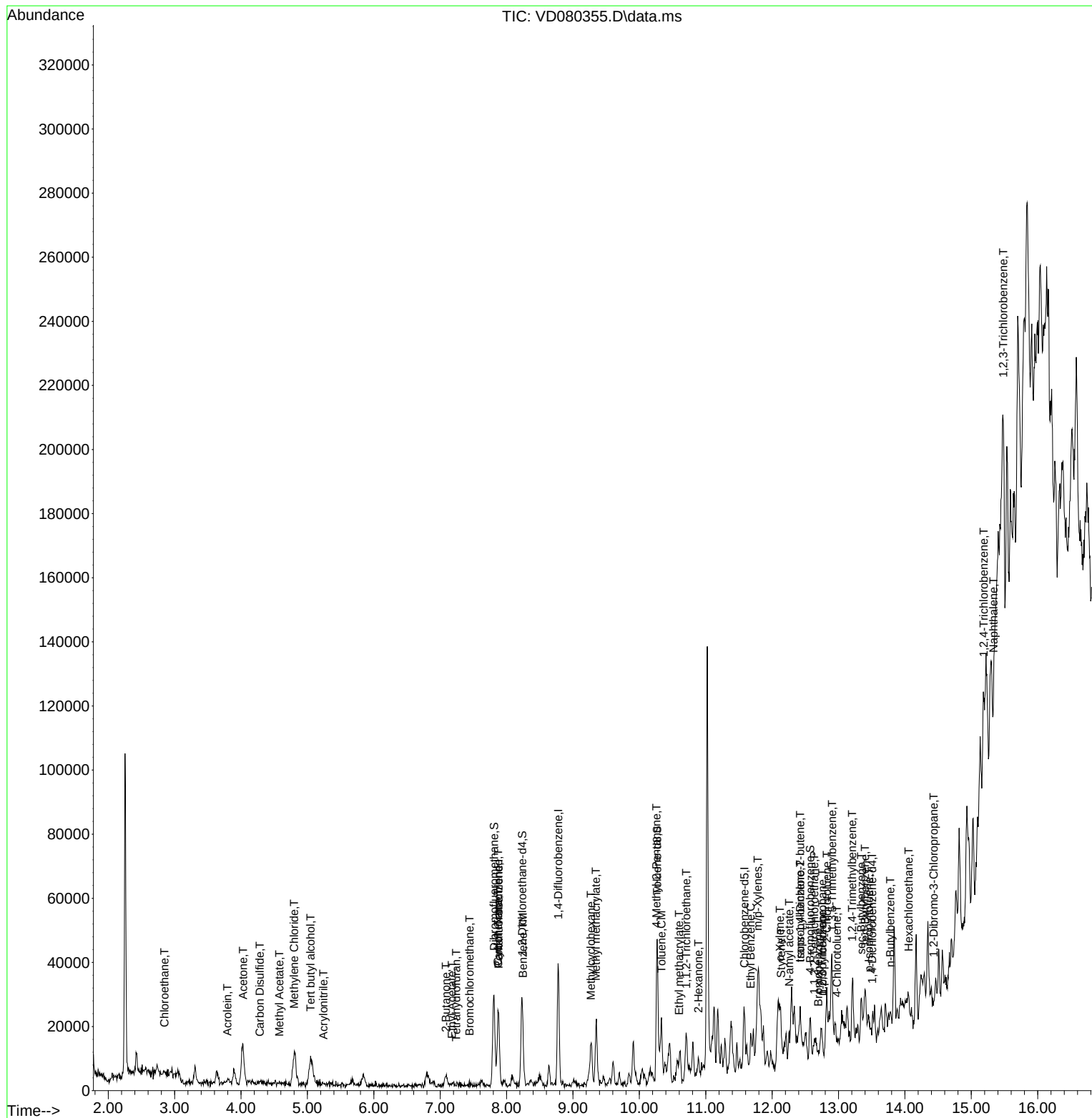
81) trans-1,4-Dichloro-2-b...	12.423	75	54	4.887	ug/l #	1	
82) 4-Chlorotoluene	12.976	91	138	1.242	ug/l #	41	
83) tert-Butylbenzene	13.399	119	2266	22.586	ug/l	95	
84) 1,2,4-Trimethylbenzene	13.205	105	9869	80.229	ug/l	99	
85) sec-Butylbenzene	13.340	105	6297	40.701	ug/l	95	
86) p-Isopropyltoluene	13.458	119	1853	14.251	ug/l	87	
89) n-Butylbenzene	13.782	91	1731	13.714	ug/l #	83	
90) Hexachloroethane	14.058	117	692	24.053	ug/l #	12	
92) 1,2-Dibromo-3-Chloropr...	14.434	75	66	13.360	ug/l #	2	
93) 1,2,4-Trichlorobenzene	15.187	180	753	18.076	ug/l	86	
95) Naphthalene	15.334	128	1714	21.913	ug/l #	79	
96) 1,2,3-Trichlorobenzene	15.481	180	4381	117.589	ug/l #	31	

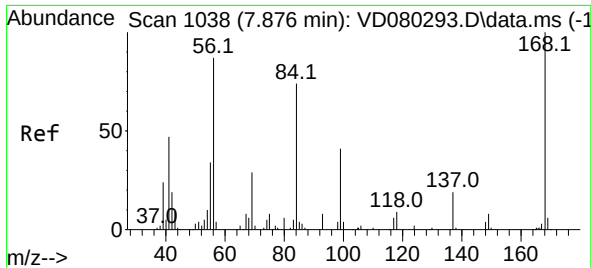
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

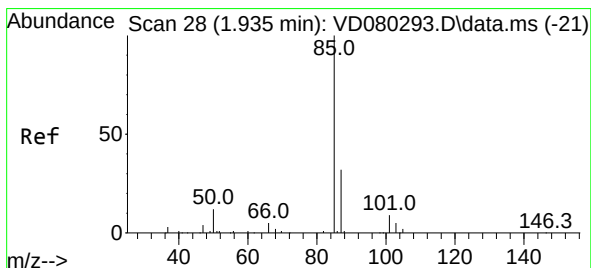
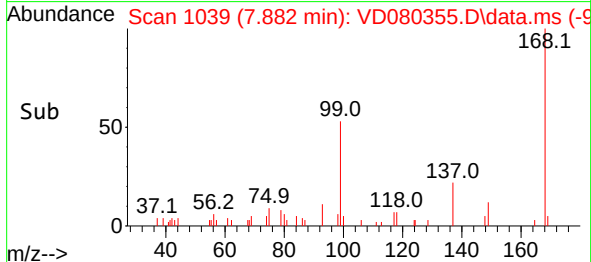
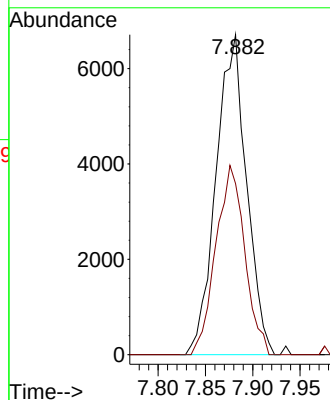
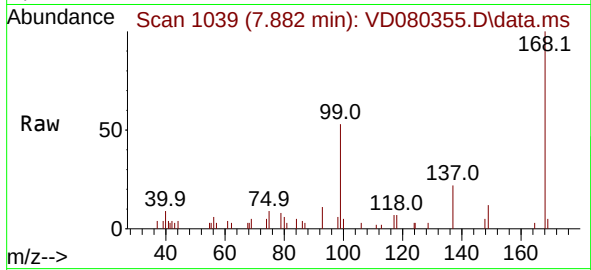




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.882 min Scan# 10
Delta R.T. 0.007 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

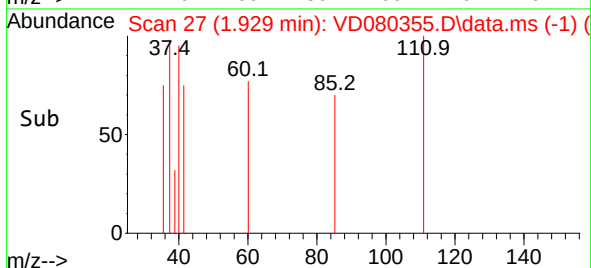
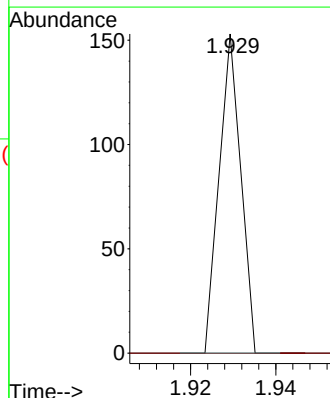
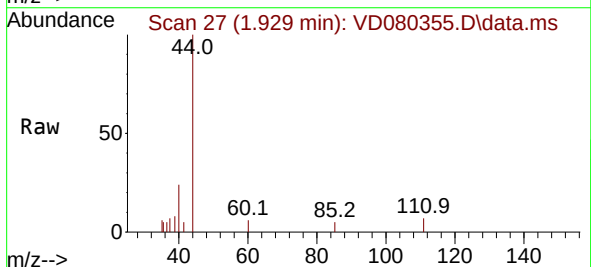
Instrument :
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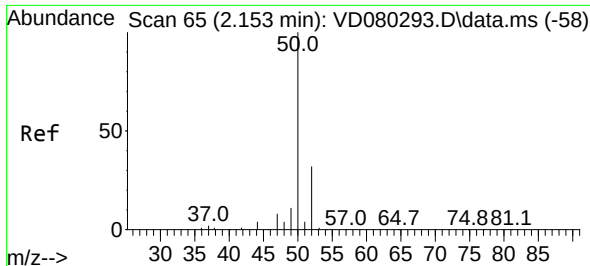
Tgt Ion:168 Resp: 15027
Ion Ratio Lower Upper
168 100
99 53.4 46.0 69.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.929 min Scan# 27
Delta R.T. -0.005 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion: 85 Resp: 54
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

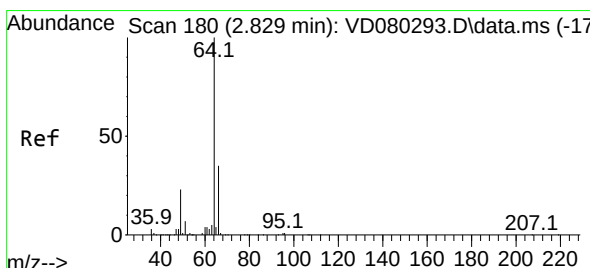
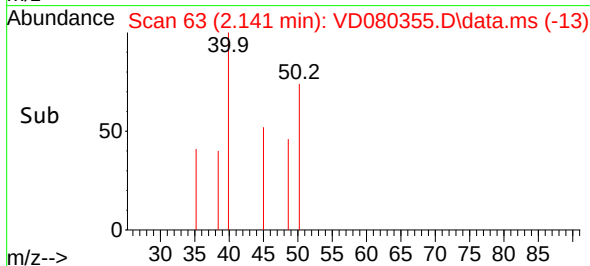
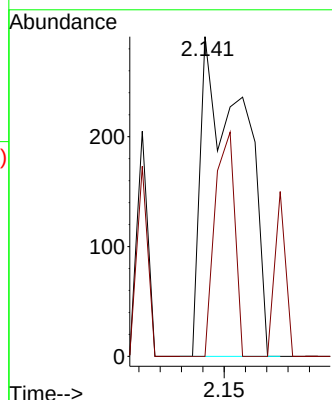
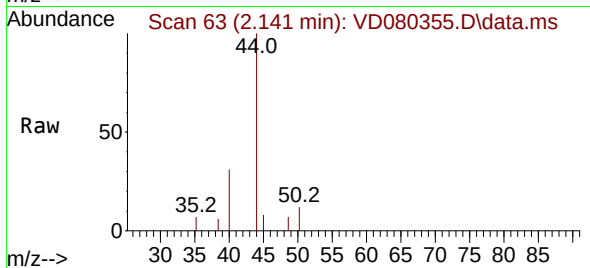




#3
Chloromethane
Concen: Below Cal
RT: 2.141 min Scan# 61
Delta R.T. -0.005 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

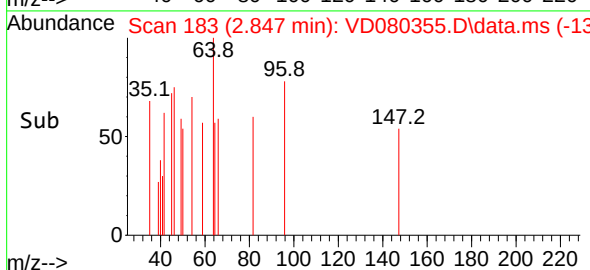
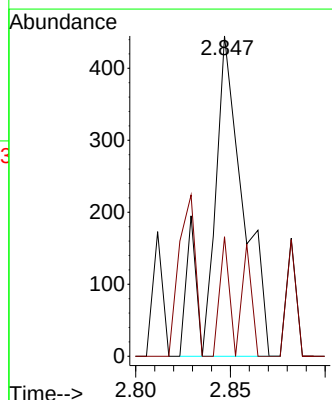
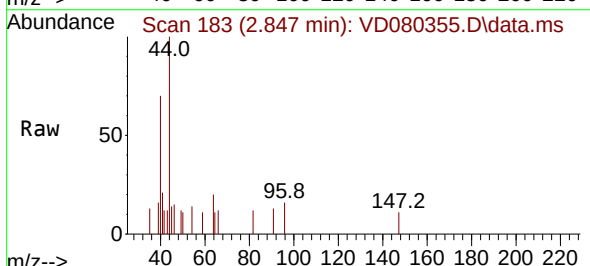
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0145

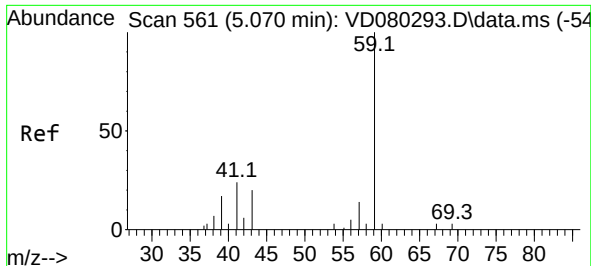
Tgt Ion: 50 Resp: 401
Ion Ratio Lower Upper
50 100
52 0.0 28.8 43.2#



#6
Chloroethane
Concen: 1.836 ug/l
RT: 2.847 min Scan# 183
Delta R.T. 0.013 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion: 64 Resp: 507
Ion Ratio Lower Upper
64 100
66 37.3 27.6 41.4

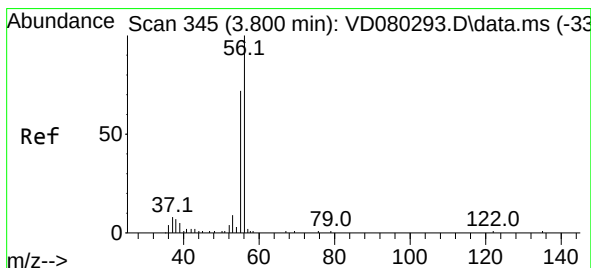
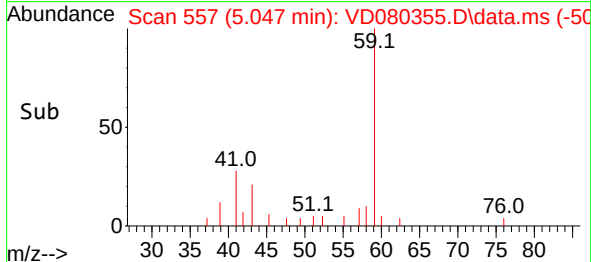
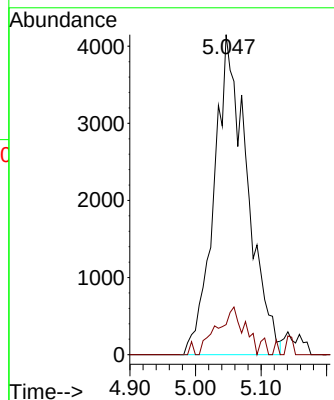
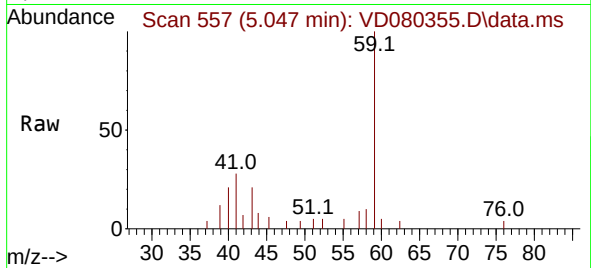




#11
Tert butyl alcohol
Concen: 1233.907 ug/l
RT: 5.047 min Scan# 51
Delta R.T. -0.011 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

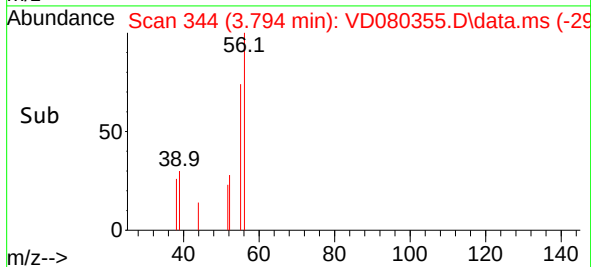
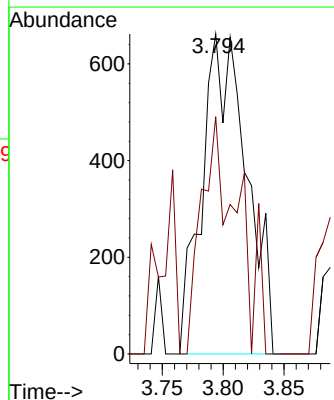
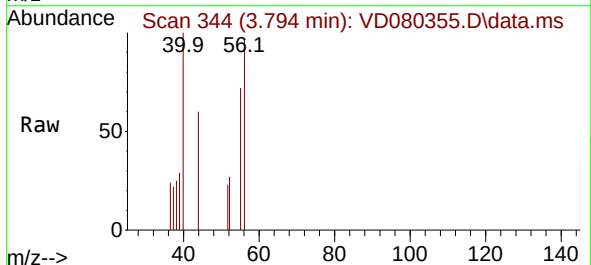
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0145

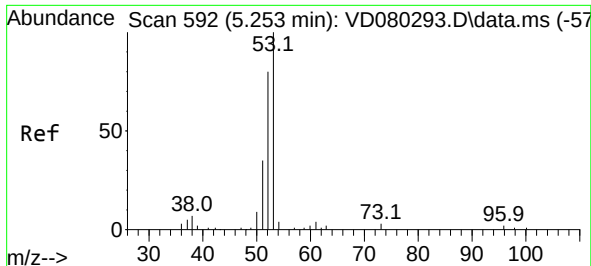
Tgt Ion: 59 Resp: 14550
Ion Ratio Lower Upper
59 100
57 12.0 4.8 7.2#



#13
Acrolein
Concen: 81.648 ug/l
RT: 3.794 min Scan# 344
Delta R.T. 0.001 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion: 56 Resp: 1694
Ion Ratio Lower Upper
56 100
55 61.0 58.2 87.2

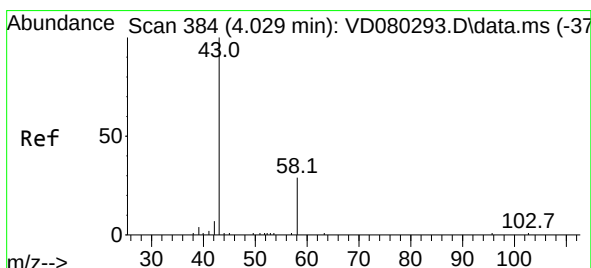
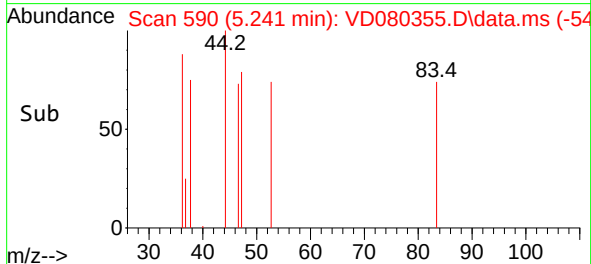
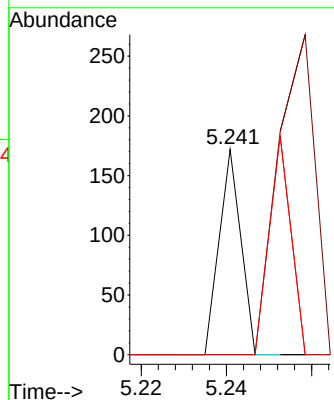
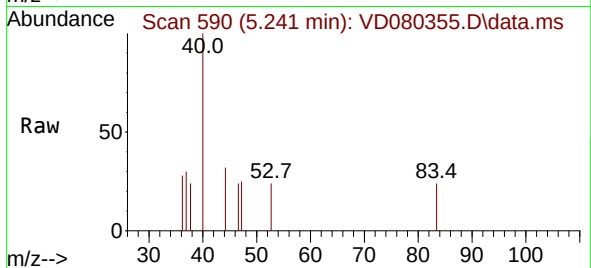




#15
Acrylonitrile
Concen: 1.372 ug/l
RT: 5.241 min Scan# 590
Delta R.T. -0.011 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

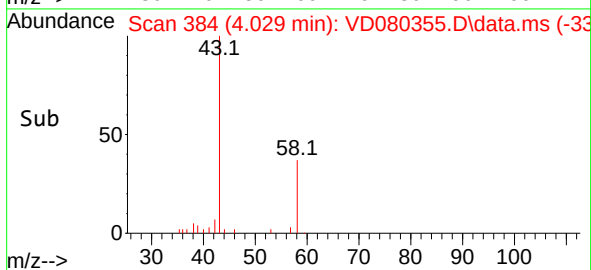
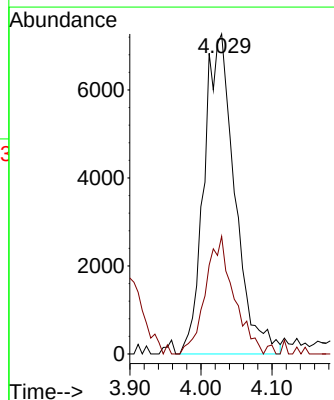
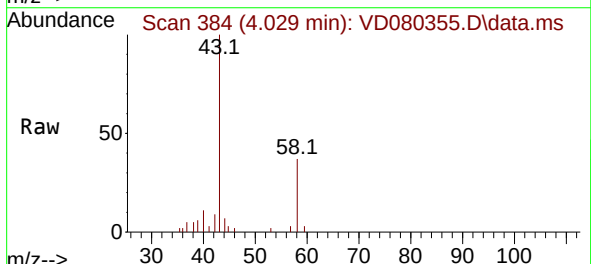
Instrument :
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ClientSampleId :
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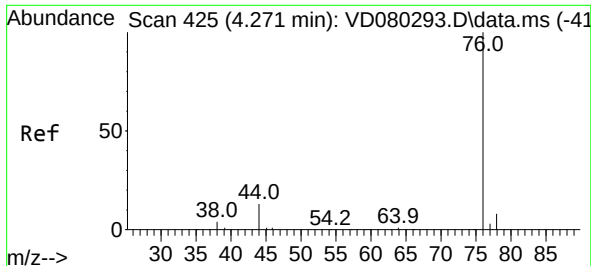
Tgt Ion: 53	Resp: 61
Ion Ratio	Lower Upper
53 100	
52 263.9	66.2 99.4#
51 106.6	30.3 45.5#



#16
Acetone
Concen: 719.661 ug/l
RT: 4.029 min Scan# 384
Delta R.T. 0.006 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion: 43	Resp: 21924
Ion Ratio	Lower Upper
43 100	
58 36.7	25.4 38.2

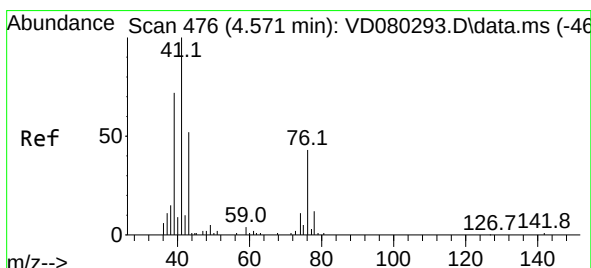
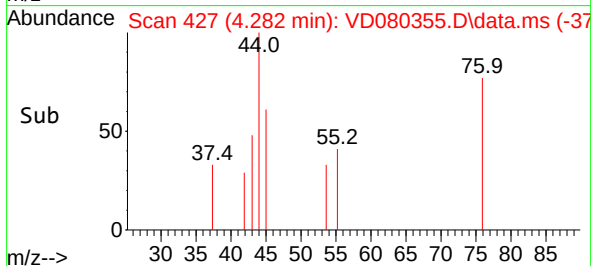
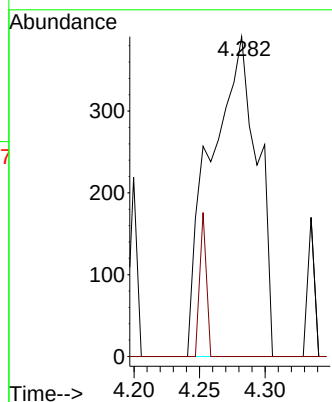
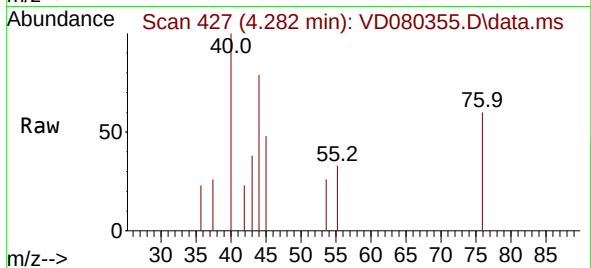




#17
Carbon Disulfide
Concen: 1.527 ug/l
RT: 4.282 min Scan# 427
Delta R.T. 0.012 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

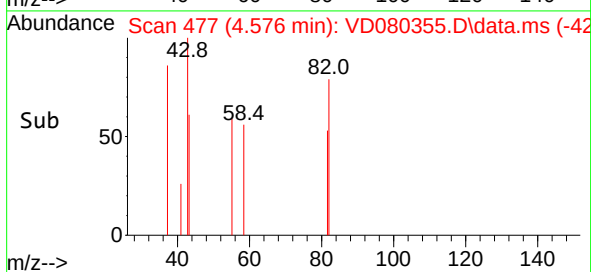
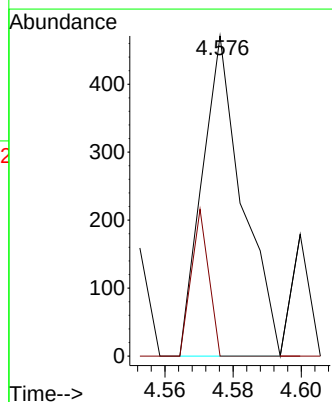
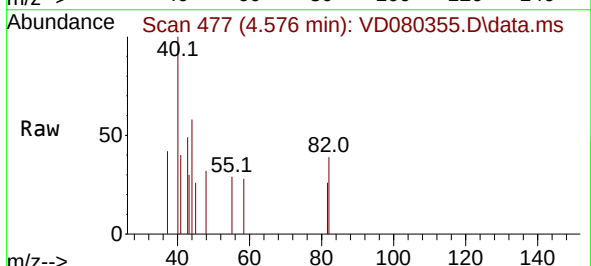
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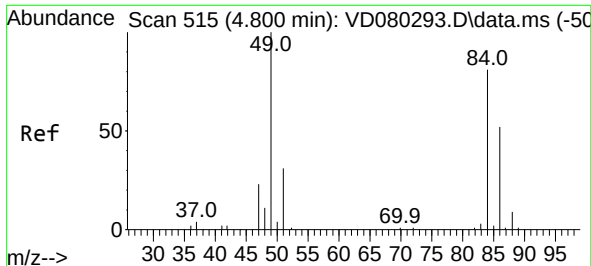
Tgt Ion: 76 Resp: 965
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#18
Methyl Acetate
Concen: 3.070 ug/l
RT: 4.576 min Scan# 477
Delta R.T. 0.012 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion: 43 Resp: 386
Ion Ratio Lower Upper
43 100
74 19.7 20.5 30.7#

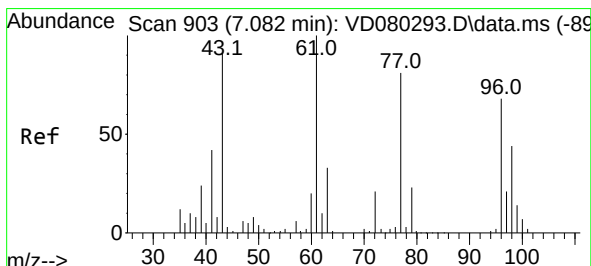
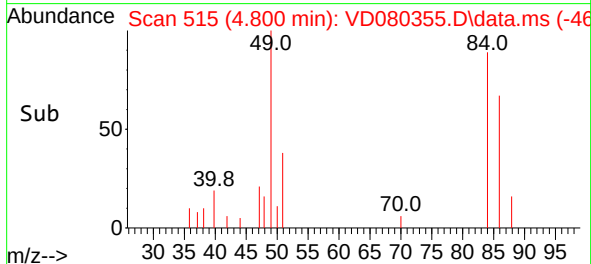
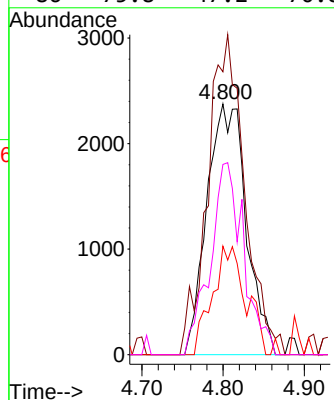
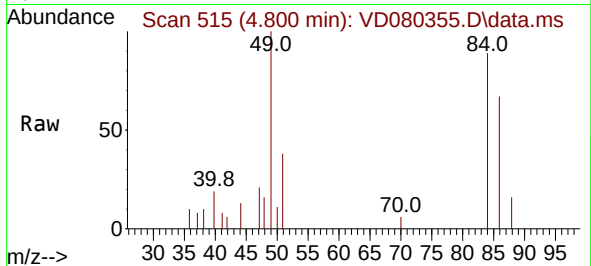




#20
Methylene Chloride
Concen: 37.573 ug/l
RT: 4.800 min Scan# 515
Delta R.T. -0.005 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

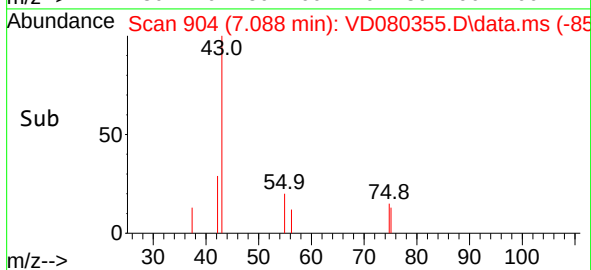
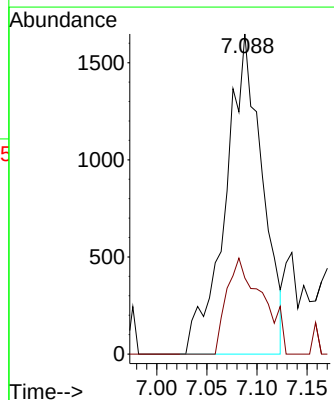
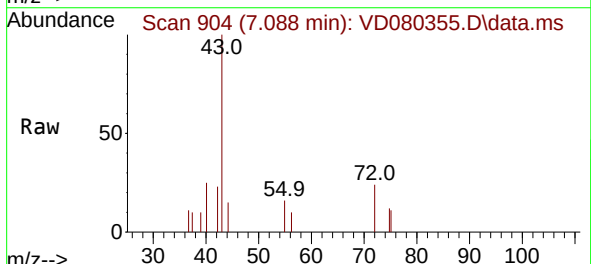
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0145

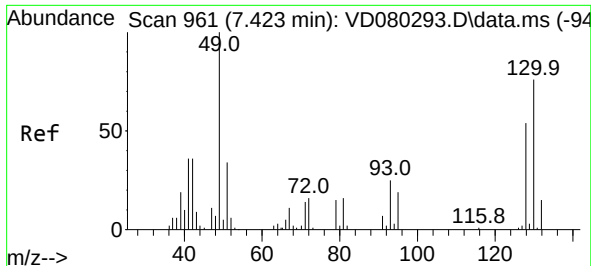
Tgt Ion: 84	Resp: 7995
Ion Ratio	Lower Upper
84 100	
49 112.8	86.5 129.7
51 43.3	26.9 40.3#
86 75.8	47.2 70.8#



#25
2-Butanone
Concen: 78.534 ug/l
RT: 7.088 min Scan# 904
Delta R.T. 0.001 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion: 43	Resp: 4199		
Ion Ratio	Lower	Upper	
43 100			
72 23.8	22.3	33.5	

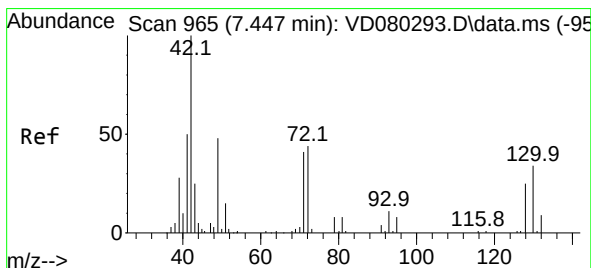
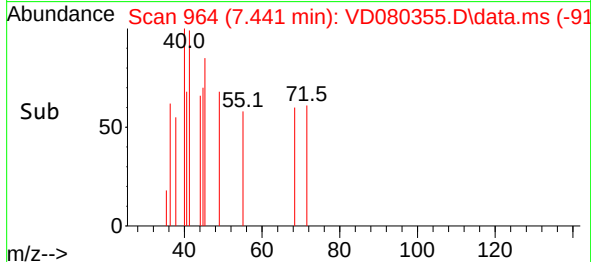
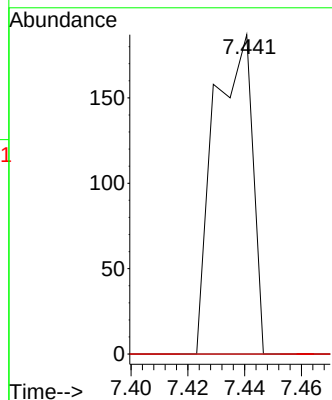
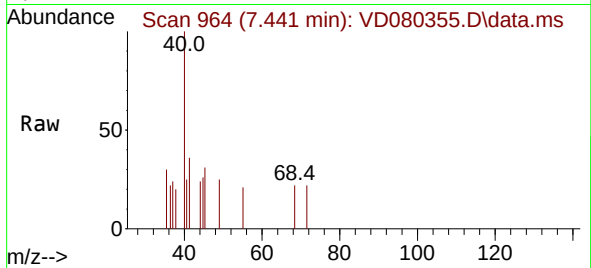




#28
Bromochloromethane
Concen: 1.013 ug/l
RT: 7.441 min Scan# 91
Delta R.T. 0.013 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

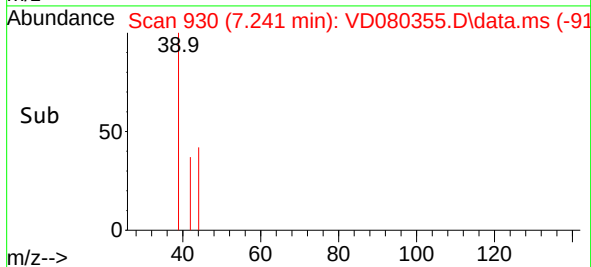
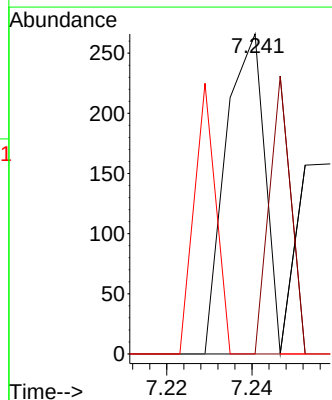
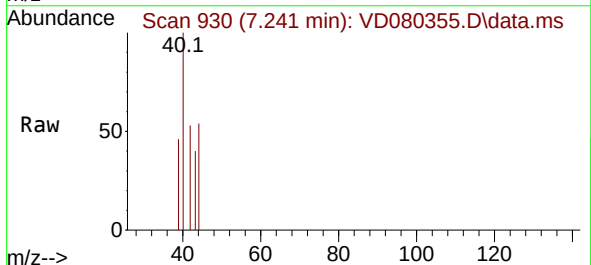
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0145

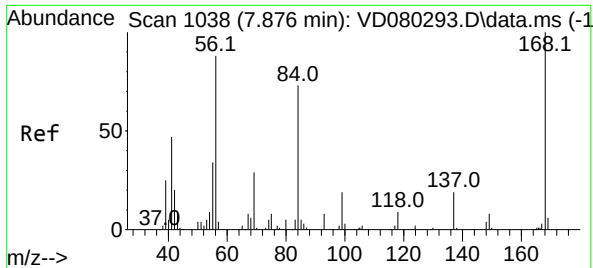
Tgt Ion: 49 Resp: 175
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 64.6 97.0#



#29
Tetrahydrofuran
Concen: 4.848 ug/l
RT: 7.241 min Scan# 930
Delta R.T. -0.205 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion: 42 Resp: 169
Ion Ratio Lower Upper
42 100
72 47.9 36.7 55.1
71 46.7 34.4 51.6

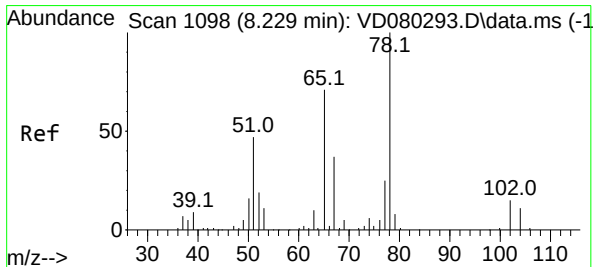
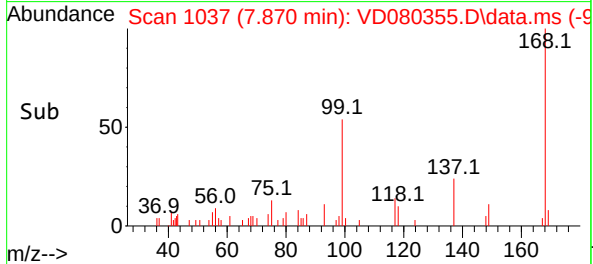
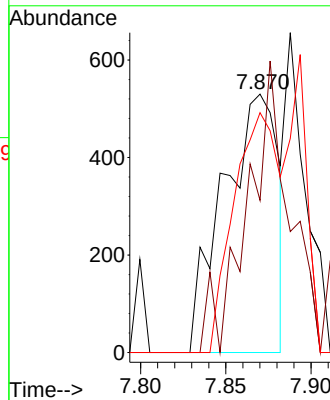
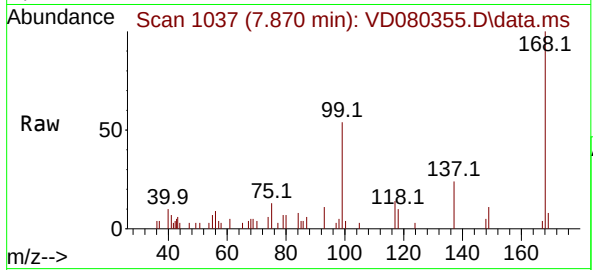




#31
Cyclohexane
Concen: 3.766 ug/l
RT: 7.870 min Scan# 1038
Delta R.T. -0.011 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

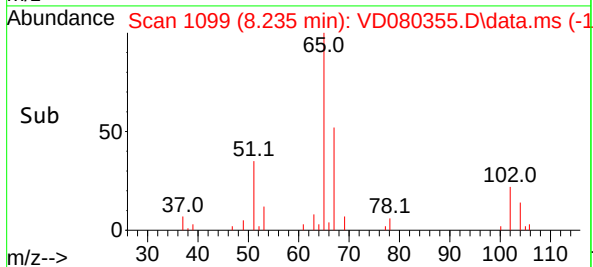
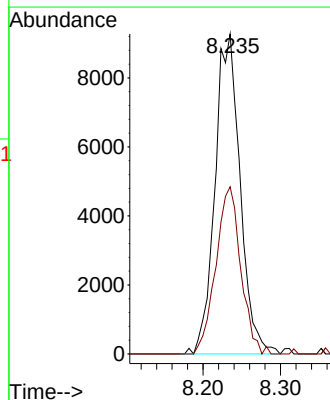
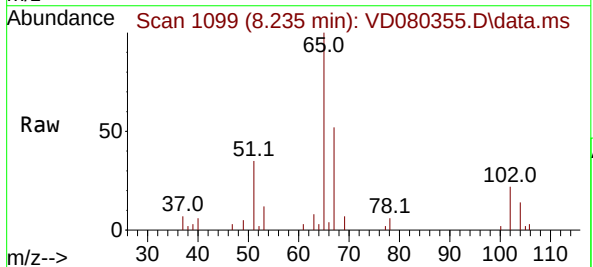
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0145

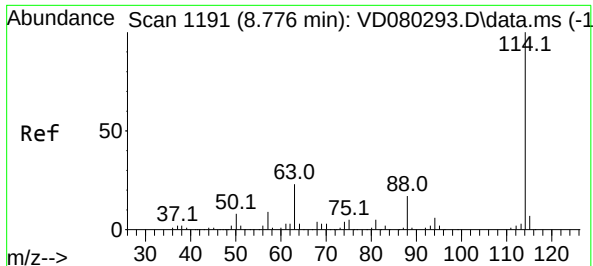
Tgt Ion: 56 Resp: 1189
Ion Ratio Lower Upper
56 100
69 58.9 27.3 40.9#
84 92.8 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 107.603 ug/l
RT: 8.235 min Scan# 1099
Delta R.T. 0.007 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion: 65 Resp: 20910
Ion Ratio Lower Upper
65 100
67 51.8 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. 0.001 min

Lab File: VD080355.D

Acq: 15 May 2025 18:10

Instrument :

MSVOA_D

ClientSampleId :

MOO-25-0145

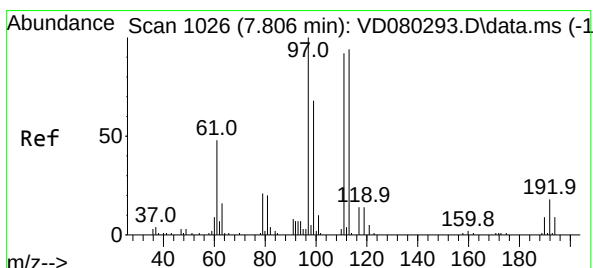
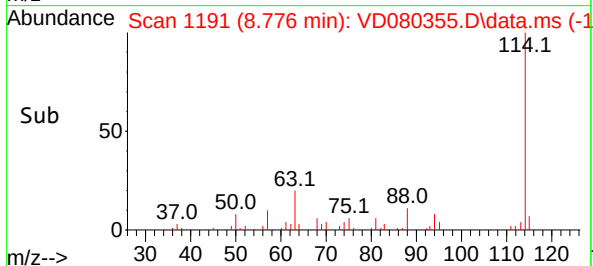
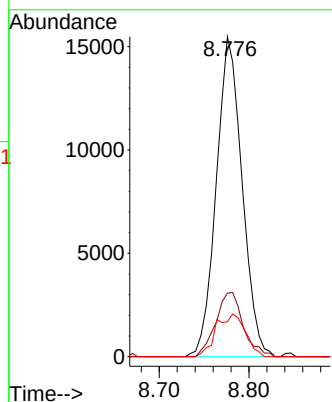
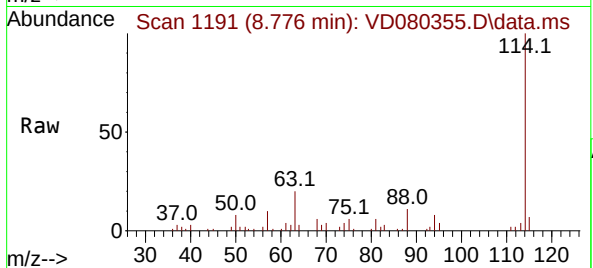
Tgt Ion:114 Resp: 30915

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.8

88 10.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 98.415 ug/l

RT: 7.811 min Scan# 1027

Delta R.T. 0.006 min

Lab File: VD080355.D

Acq: 15 May 2025 18:10

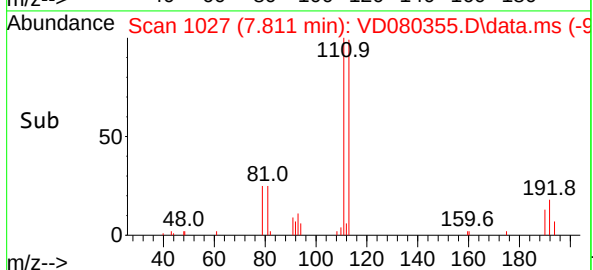
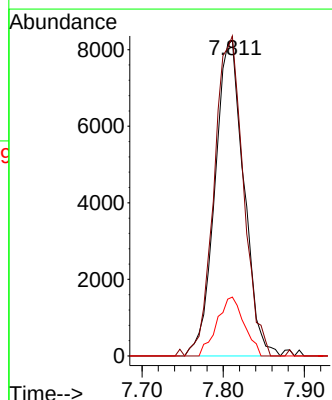
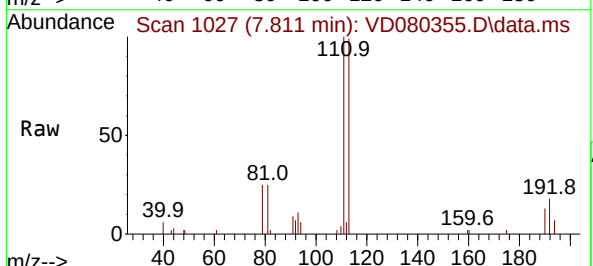
Tgt Ion:113 Resp: 20392

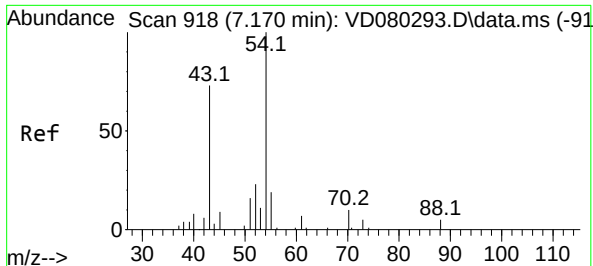
Ion Ratio Lower Upper

113 100

111 102.5 82.5 123.7

192 17.5 16.6 25.0





#37

Ethyl Acetate

Concen: 1.921 ug/l

RT: 7.176 min Scan# 91

Delta R.T. 0.007 min

Lab File: VD080355.D

Acq: 15 May 2025 18:10

Instrument :

MSVOA_D

ClientSampleId :

MOO-25-0145

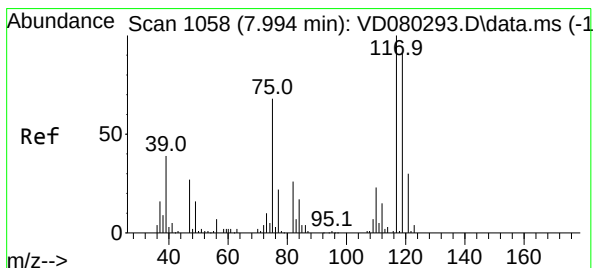
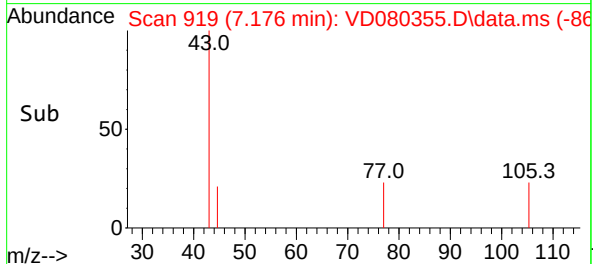
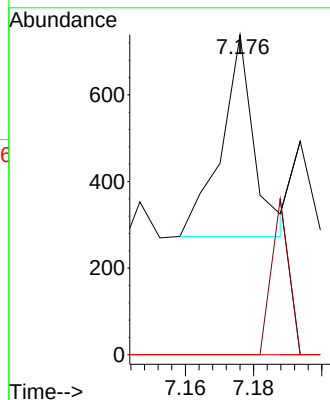
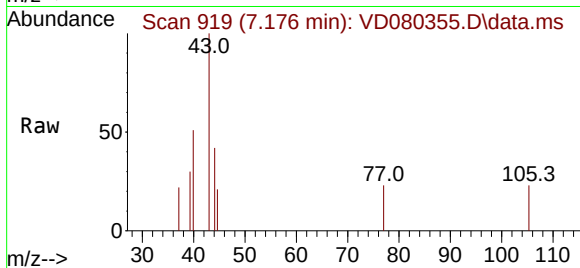
Tgt Ion: 43 Resp: 311

Ion Ratio Lower Upper

43 100

61 40.8 11.0 16.4#

70 0.0 9.4 14.2#



#38

Carbon Tetrachloride

Concen: 5.053 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.111 min

Lab File: VD080355.D

Acq: 15 May 2025 18:10

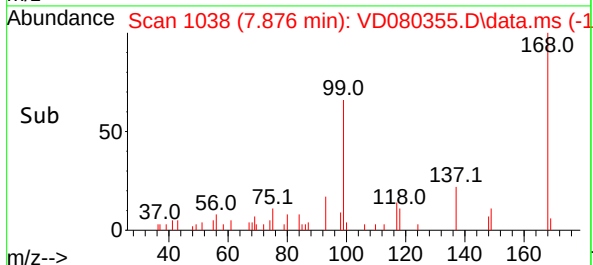
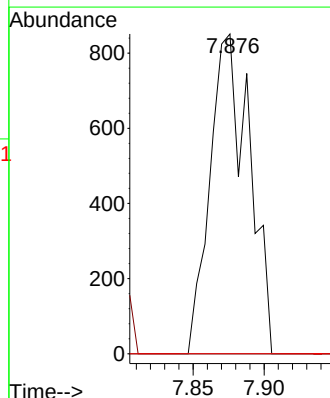
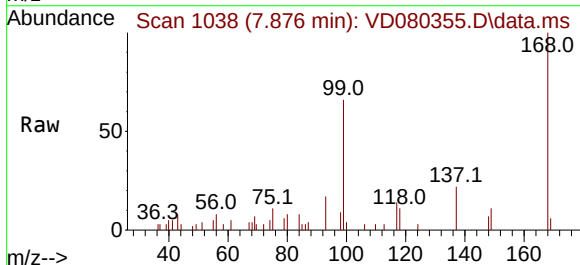
Tgt Ion: 117 Resp: 1632

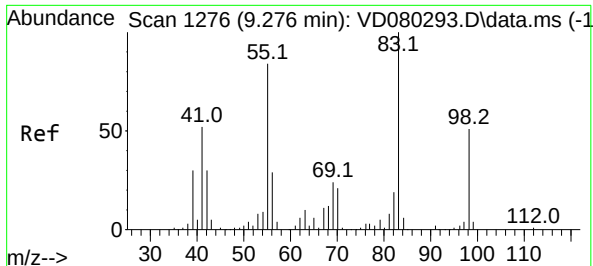
Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.0#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 12.431 ug/l

RT: 9.270 min Scan# 1127

Delta R.T. -0.005 min

Lab File: VD080355.D

Acq: 15 May 2025 18:10

Instrument :

MSVOA_D

ClientSampleId :

MOO-25-0145

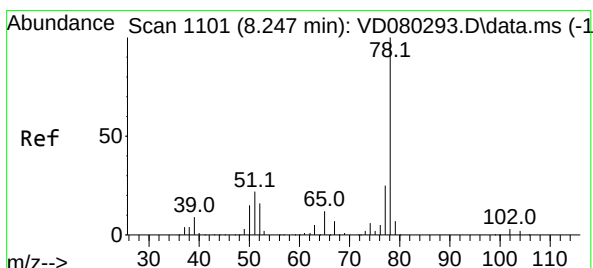
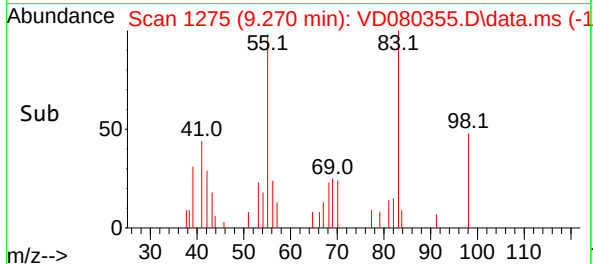
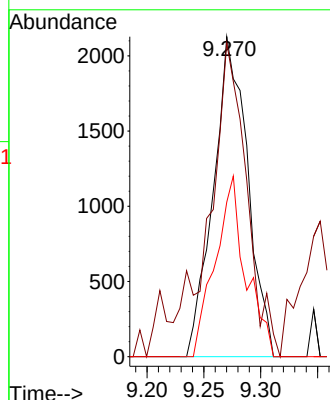
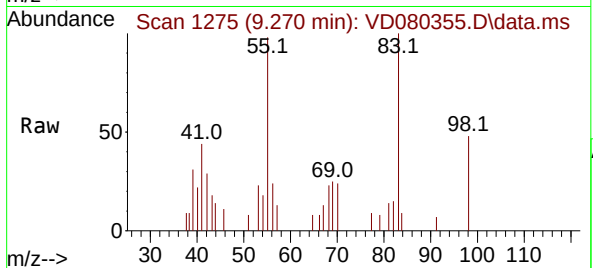
Tgt Ion: 83 Resp: 4467

Ion Ratio Lower Upper

83 100

55 98.1 62.0 93.0#

98 48.3 38.7 58.1



#40

Benzene

Concen: 2.631 ug/l

RT: 8.247 min Scan# 1101

Delta R.T. -0.005 min

Lab File: VD080355.D

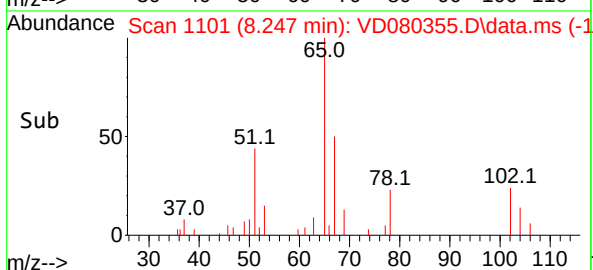
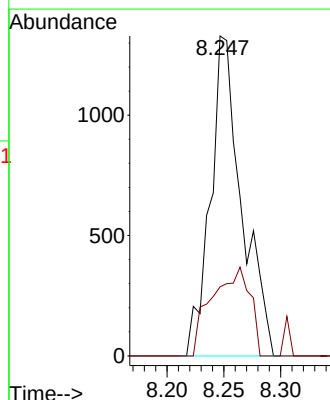
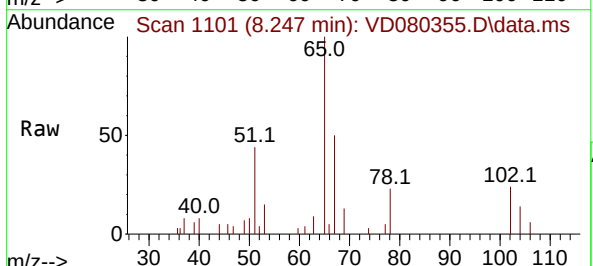
Acq: 15 May 2025 18:10

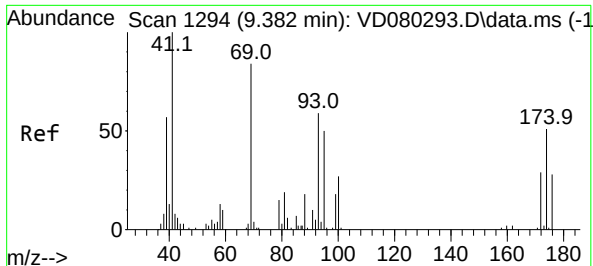
Tgt Ion: 78 Resp: 2553

Ion Ratio Lower Upper

78 100

77 21.6 20.2 30.4





#48

Methyl methacrylate

Concen: 38.568 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.034 min

Lab File: VD080355.D

Acq: 15 May 2025 18:10

Instrument :

MSVOA_D

ClientSampleId :

MOO-25-0145

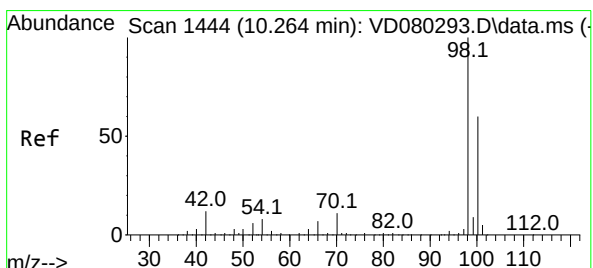
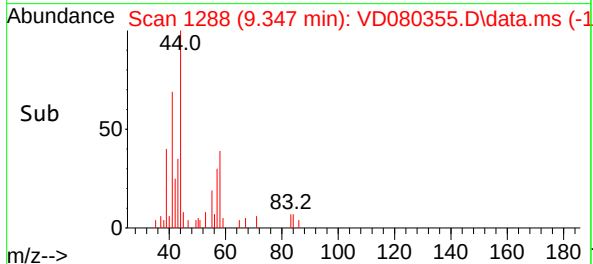
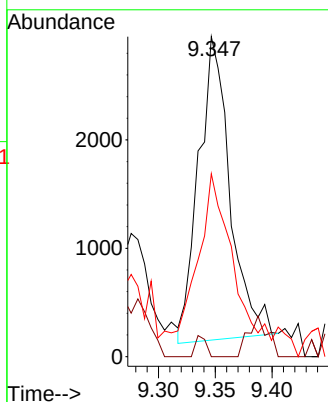
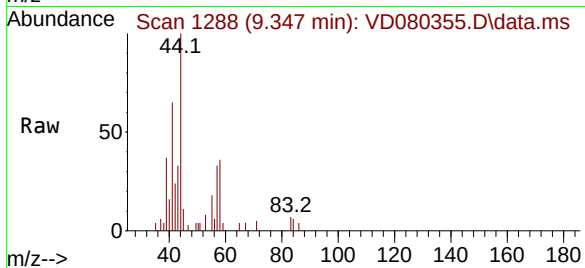
Tgt Ion: 41 Resp: 5381

Ion Ratio Lower Upper

41 100

69 2.3 74.0 111.0#

39 61.0 41.9 62.9



#50

Toluene-d8

Concen: 24.760 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.001 min

Lab File: VD080355.D

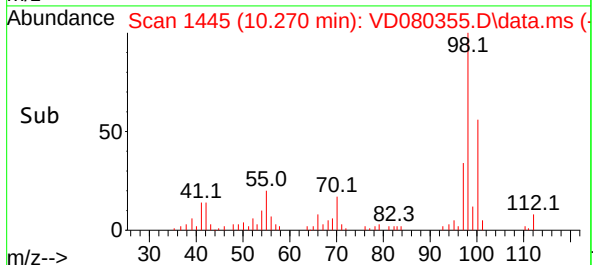
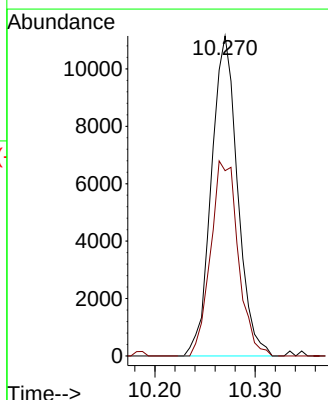
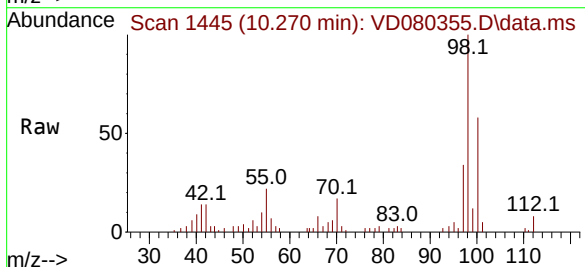
Acq: 15 May 2025 18:10

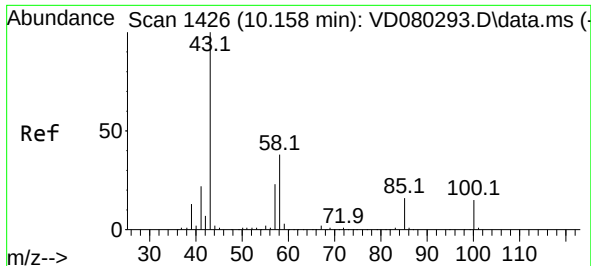
Tgt Ion: 98 Resp: 20214

Ion Ratio Lower Upper

98 100

100 64.1 50.2 75.4

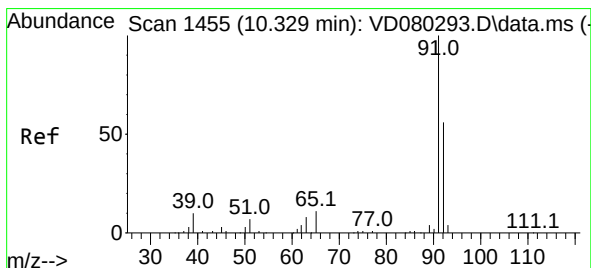
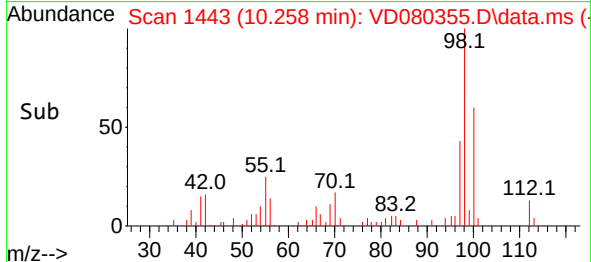
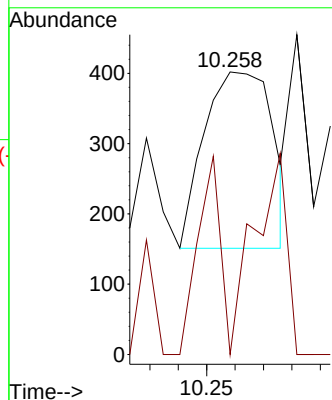
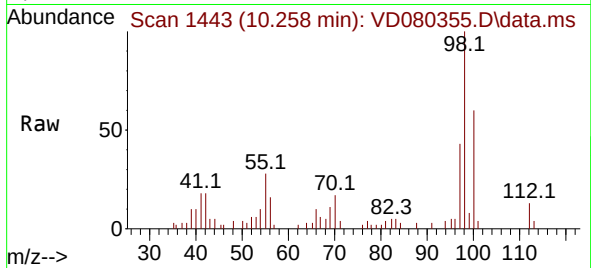




#51
4-Methyl-2-Pentanone
Concen: 2.783 ug/l
RT: 10.258 min Scan# 1443
Delta R.T. 0.101 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

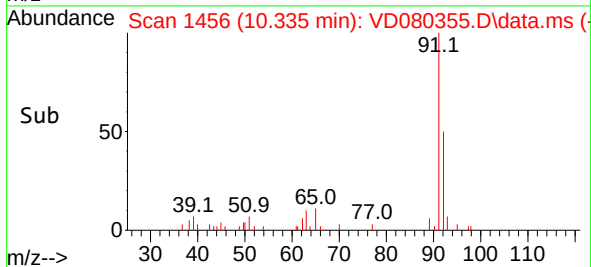
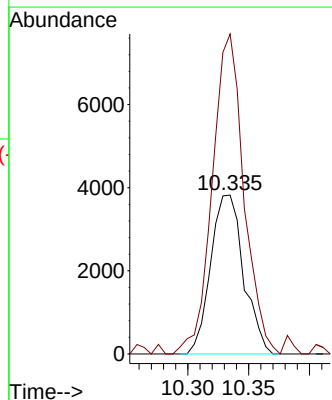
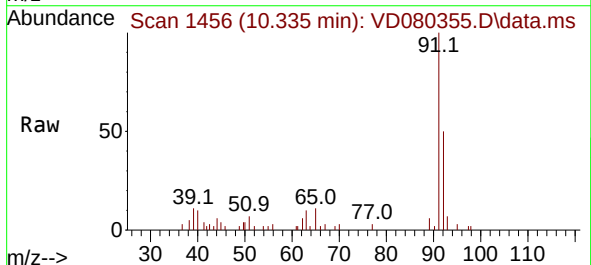
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0145

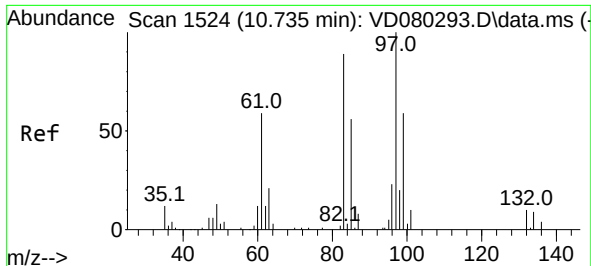
Tgt Ion: 43 Resp: 421
Ion Ratio Lower Upper
43 100
58 36.8 32.8 49.2



#52
Toluene
Concen: 12.302 ug/l
RT: 10.335 min Scan# 1456
Delta R.T. 0.001 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion: 92 Resp: 7191
Ion Ratio Lower Upper
92 100
91 193.3 139.3 208.9

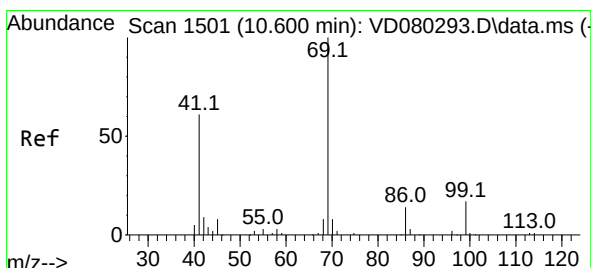
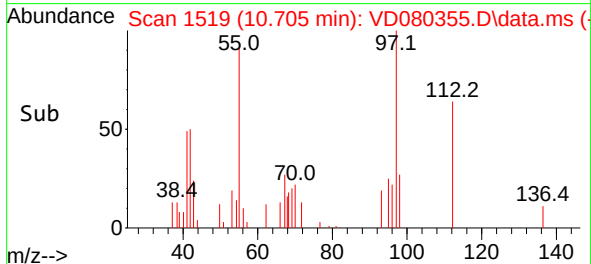
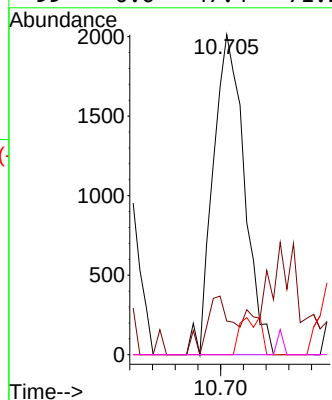
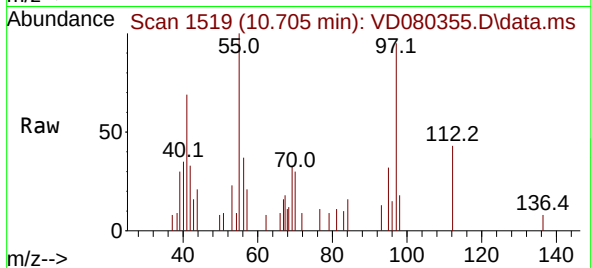




#55
1,1,2-Trichloroethane
Concen: 21.532 ug/l
RT: 10.705 min Scan# 1519
Delta R.T. -0.029 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

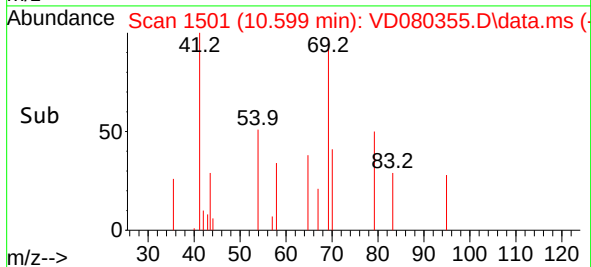
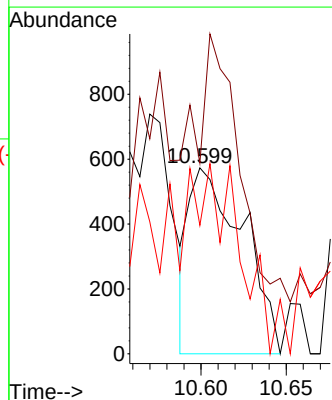
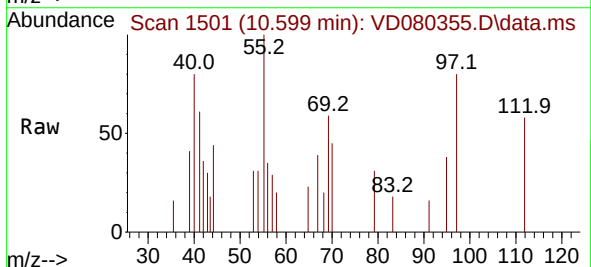
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0145

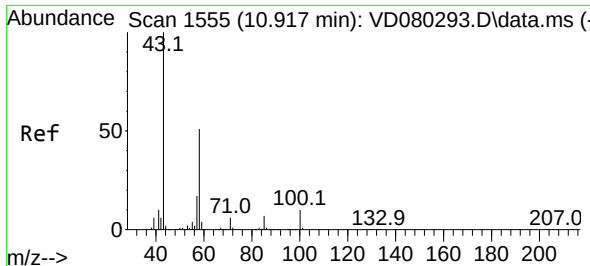
Tgt Ion:	97	Resp:	3859
Ion	Ratio	Lower	Upper
97	100		
83	10.5	69.2	103.8#
85	0.0	43.0	64.6#
99	0.0	47.4	71.2#



#56
Ethyl methacrylate
Concen: 5.862 ug/l
RT: 10.599 min Scan# 1501
Delta R.T. 0.000 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion:	69	Resp:	1273
Ion	Ratio	Lower	Upper
69	100		
41	114.7	50.4	75.6#
39	115.9	26.0	39.0#

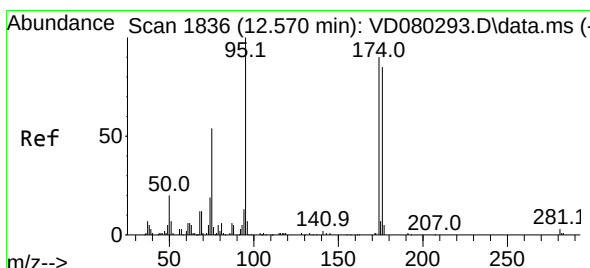
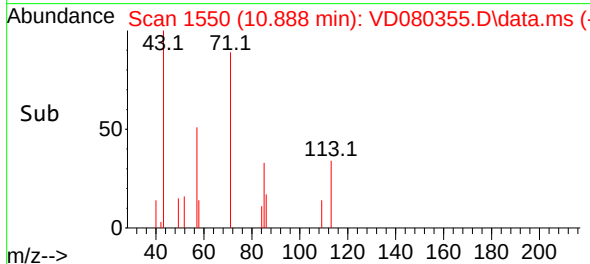
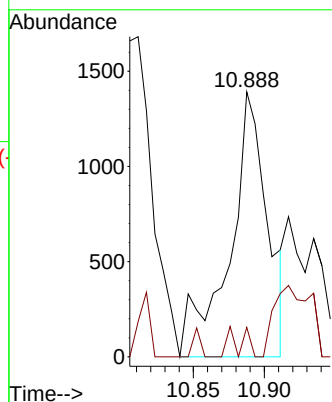
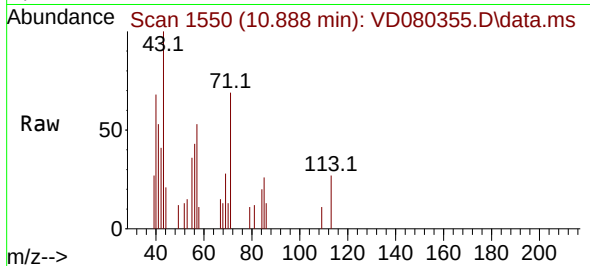




#59
2-Hexanone
Concen: 24.559 ug/l
RT: 10.888 min Scan# 11
Delta R.T. -0.028 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

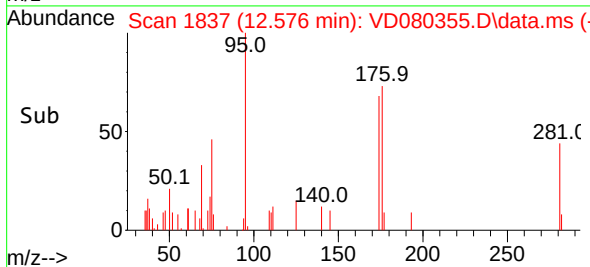
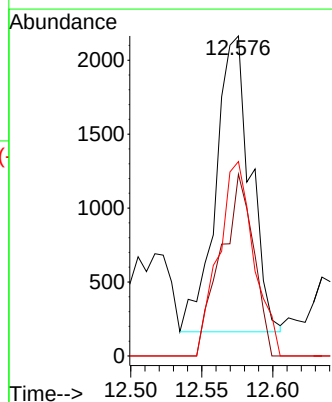
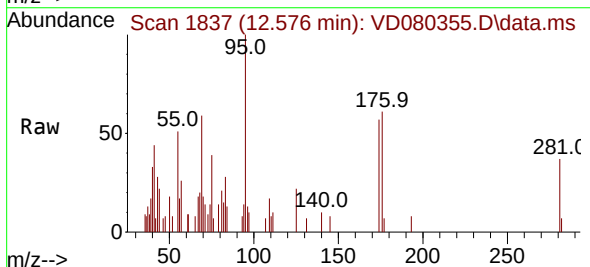
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0145

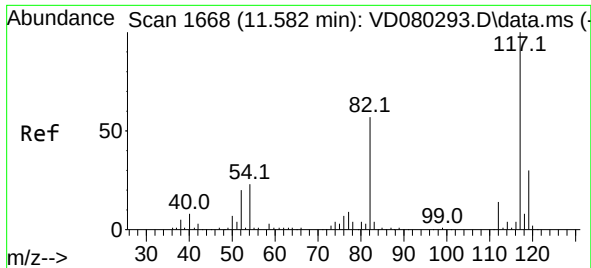
Tgt Ion: 43 Resp: 2556
Ion Ratio Lower Upper
43 100
58 0.0 27.8 83.4#



#62
4-Bromofluorobenzene
Concen: 13.006 ug/l
RT: 12.576 min Scan# 1837
Delta R.T. 0.007 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion: 95 Resp: 3408
Ion Ratio Lower Upper
95 100
174 57.5 0.0 173.4
176 66.5 0.0 166.6

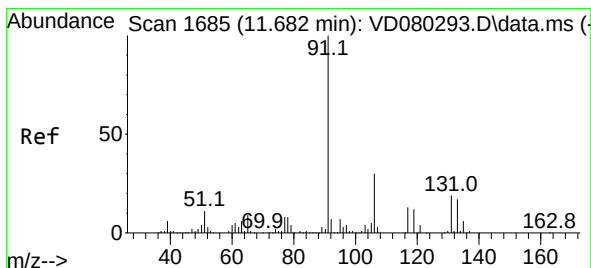
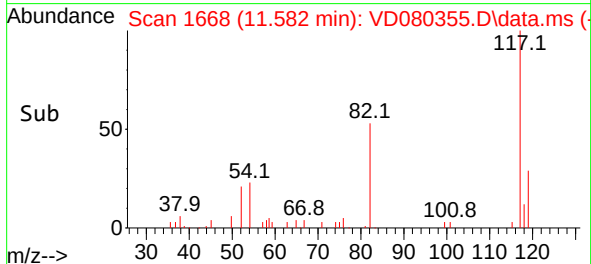
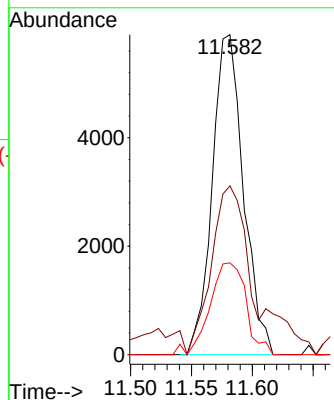
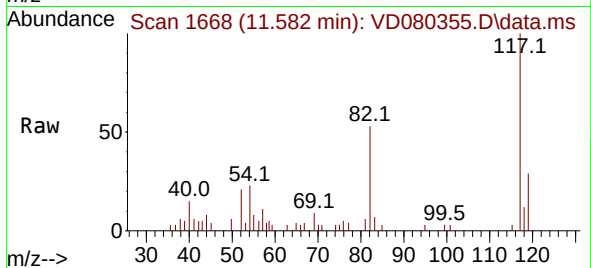




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

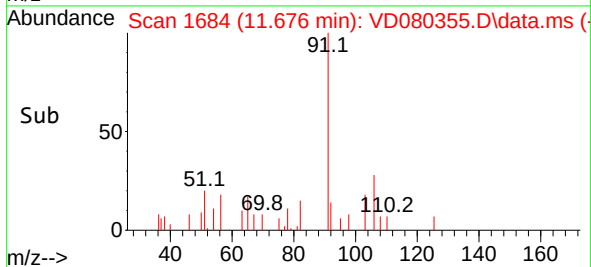
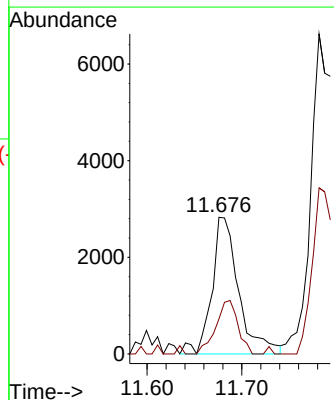
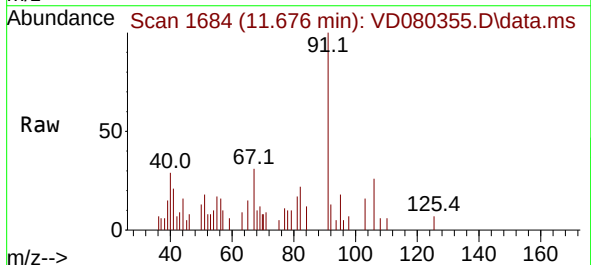
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0145

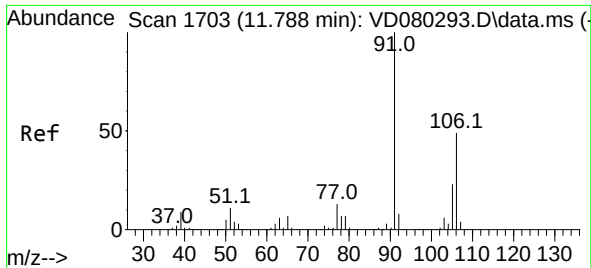
Tgt Ion:117 Resp: 10522
Ion Ratio Lower Upper
117 100
82 45.2 45.8 68.6#
119 28.7 26.2 39.2



#67
Ethyl Benzene
Concen: 14.032 ug/l
RT: 11.676 min Scan# 1684
Delta R.T. -0.005 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion: 91 Resp: 5571
Ion Ratio Lower Upper
91 100
106 25.5 23.6 35.4

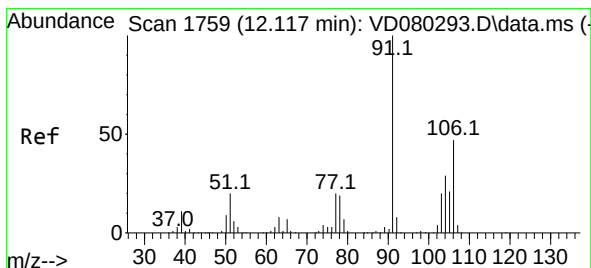
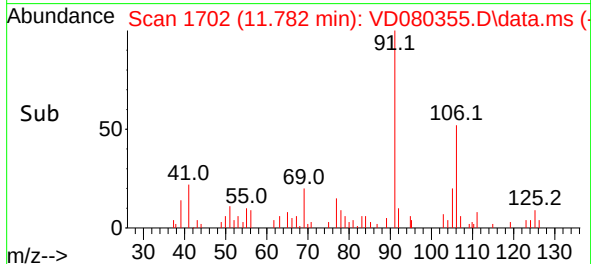
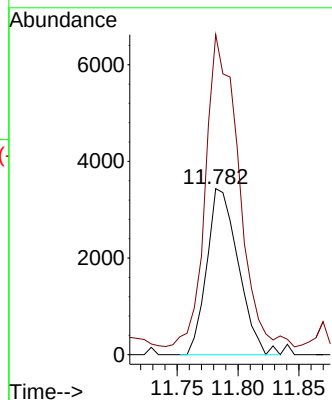
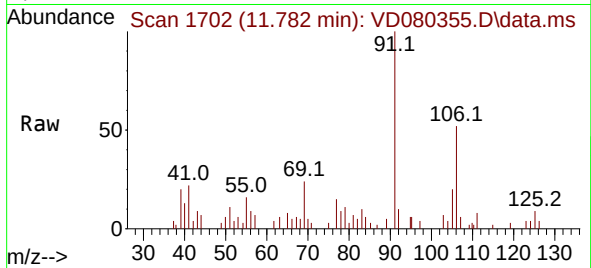




#68
m/p-Xylenes
Concen: 39.965 ug/l
RT: 11.782 min Scan# 1170
Delta R.T. -0.011 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

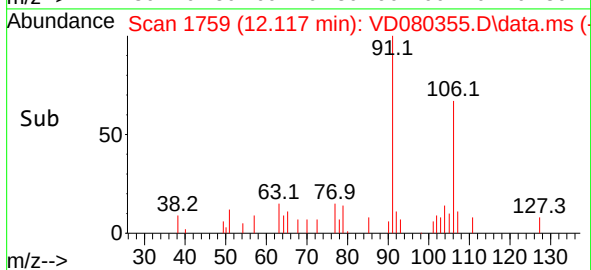
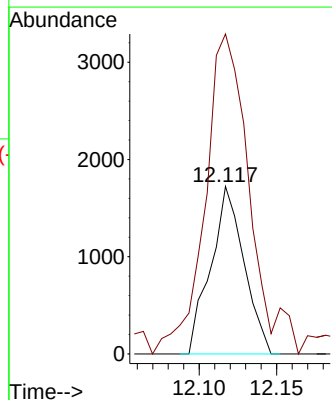
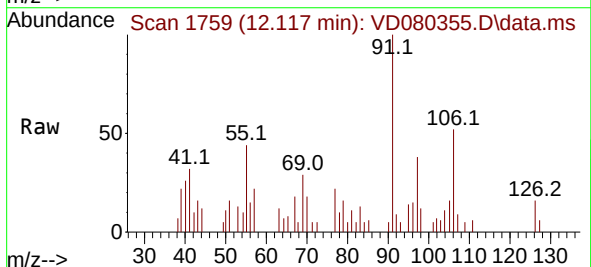
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0145

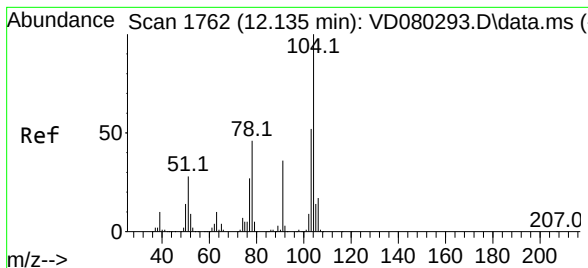
Tgt Ion:106 Resp: 6161
Ion Ratio Lower Upper
106 100
91 213.7 162.6 244.0



#69
o-Xylene
Concen: 18.237 ug/l
RT: 12.117 min Scan# 1759
Delta R.T. 0.001 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion:106 Resp: 2569
Ion Ratio Lower Upper
106 100
91 253.8 110.5 331.5





#70

Styrene

Concen: 8.990 ug/l

RT: 12.135 min Scan# 11

Delta R.T. 0.001 min

Lab File: VD080355.D

Acq: 15 May 2025 18:10

Instrument :

MSVOA_D

ClientSampleId :

MOO-25-0145

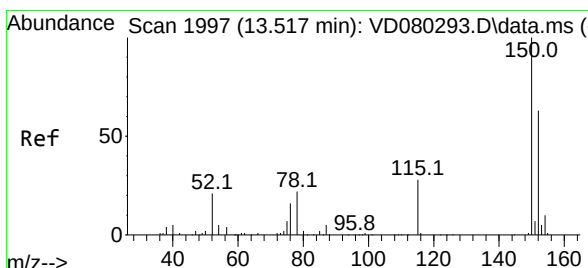
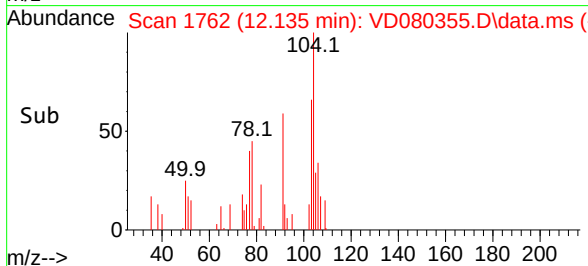
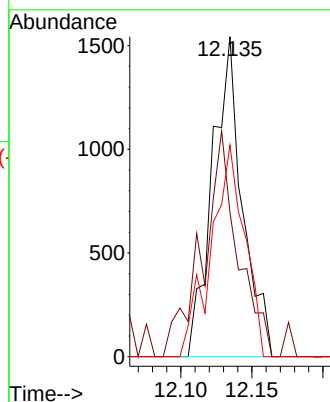
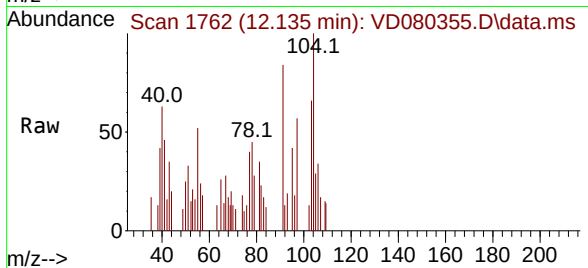
Tgt Ion:104 Resp: 2274

Ion Ratio Lower Upper

104 100

78 82.6 39.8 59.8#

103 73.9 45.2 67.8#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.505 min Scan# 1995

Delta R.T. -0.011 min

Lab File: VD080355.D

Acq: 15 May 2025 18:10

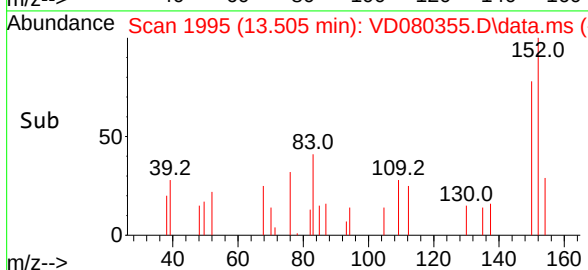
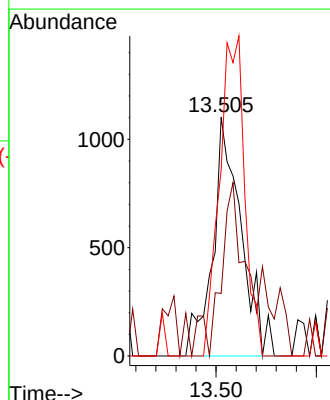
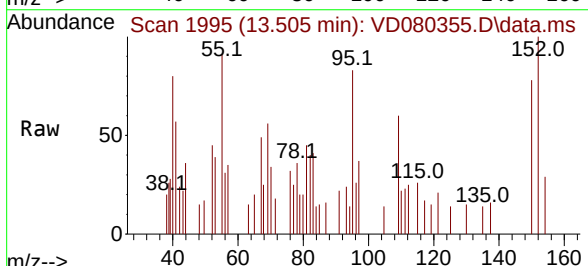
Tgt Ion:152 Resp: 2173

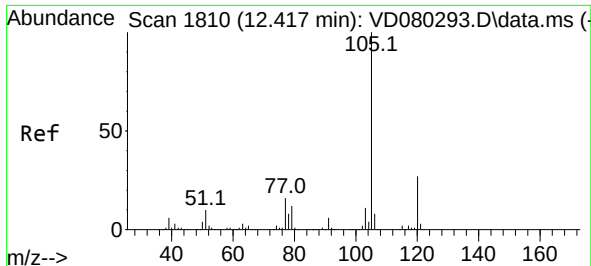
Ion Ratio Lower Upper

152 100

115 56.7 28.9 86.8

150 118.3 0.0 354.8

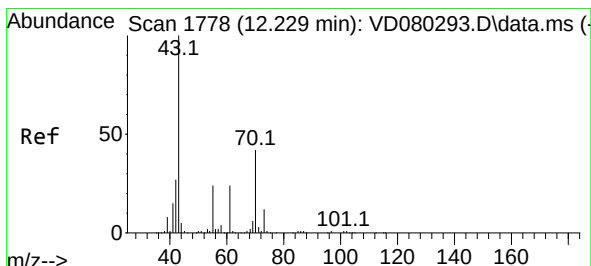
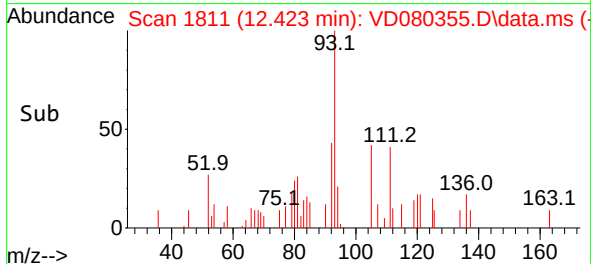
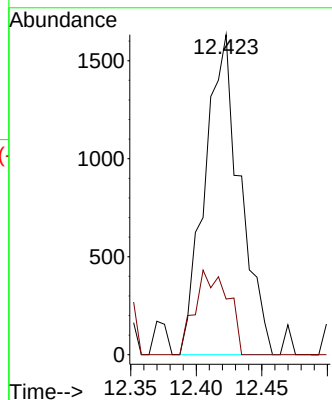
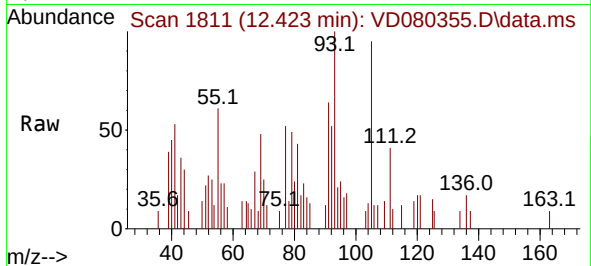




#73
Isopropylbenzene
Concen: 21.737 ug/l
RT: 12.423 min Scan# 1810
Delta R.T. 0.001 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

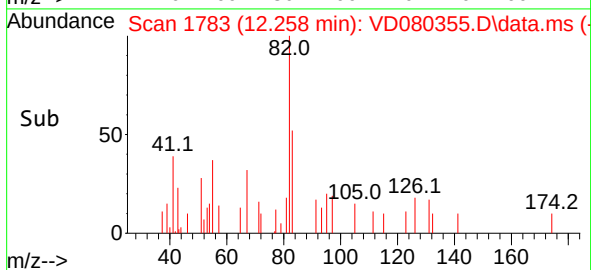
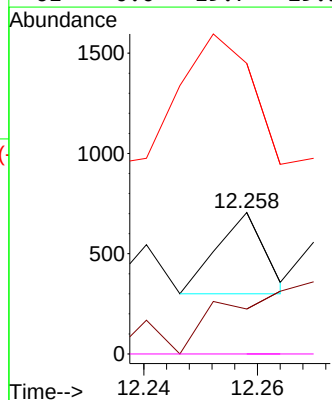
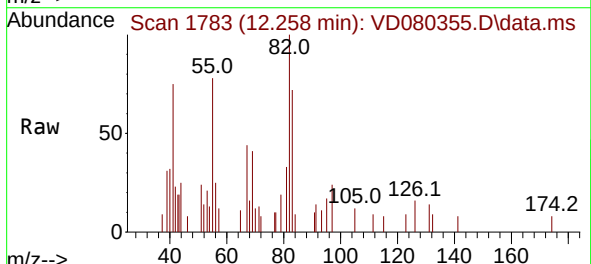
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0145

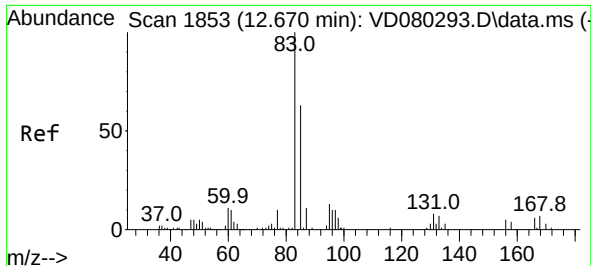
Tgt Ion:105 Resp: 3064
Ion Ratio Lower Upper
105 100
120 24.7 13.3 39.9



#74
N-amy1 acetate
Concen: 5.858 ug/l
RT: 12.258 min Scan# 1783
Delta R.T. 0.024 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
70 0.0 36.3 54.5#
55 564.1 20.3 30.5#
61 0.0 19.7 29.5#

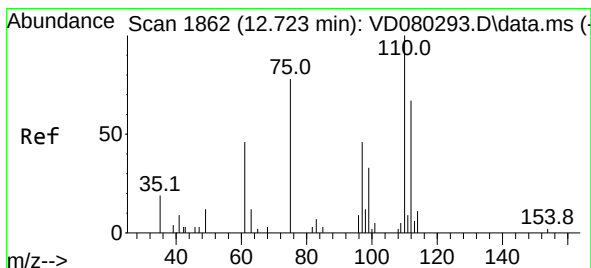
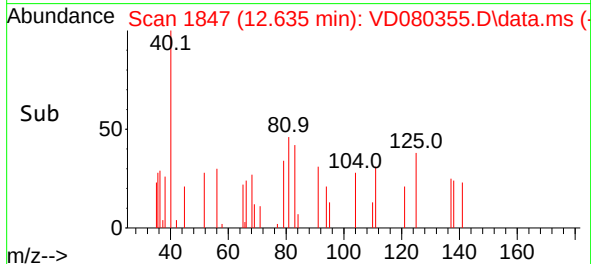
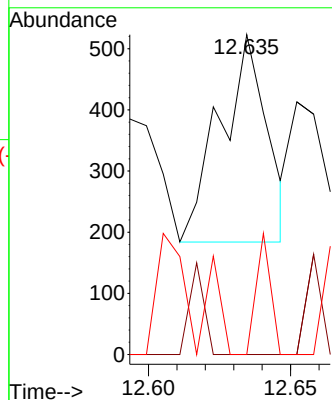
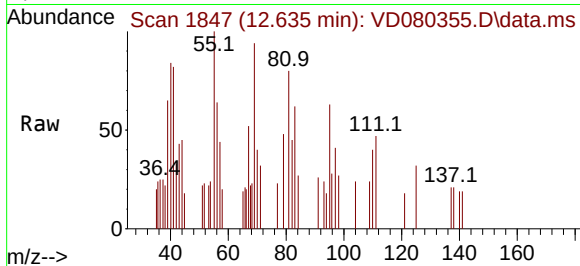




#75
1,1,2,2-Tetrachloroethane
Concen: 12.549 ug/l
RT: 12.635 min Scan# 1847
Delta R.T. -0.034 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

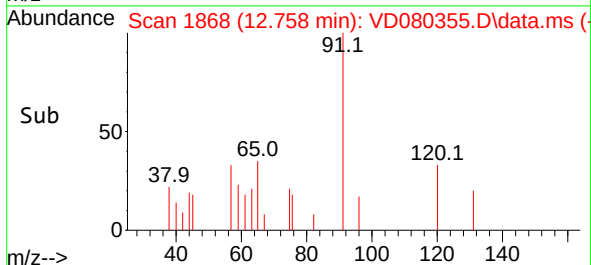
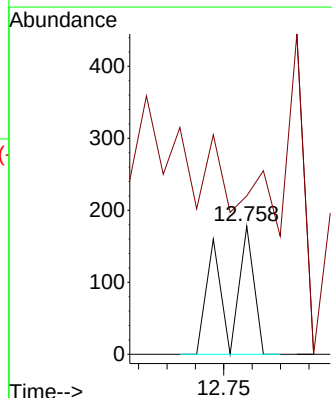
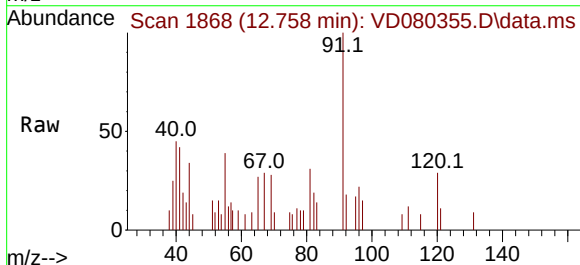
Instrument : MSVOA_D
ClientSampleId : MOO-25-0145

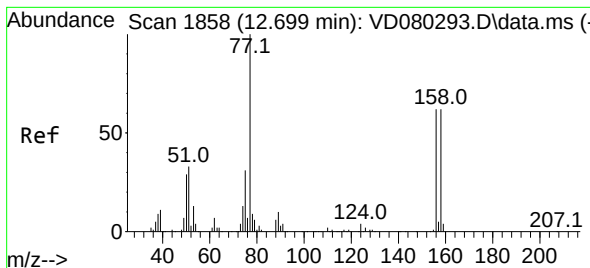
Tgt Ion: 83 Resp: 389
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 18.0 32.9 98.6#



#76
1,2,3-Trichloropropane
Concen: 5.674 ug/l
RT: 12.758 min Scan# 1868
Delta R.T. 0.036 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion: 75 Resp: 119
Ion Ratio Lower Upper
75 100
77 50.4 0.0 0.0#





#77

Bromobenzene

Concen: 1.450 ug/l

RT: 12.693 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VD080355.D

Acq: 15 May 2025 18:10

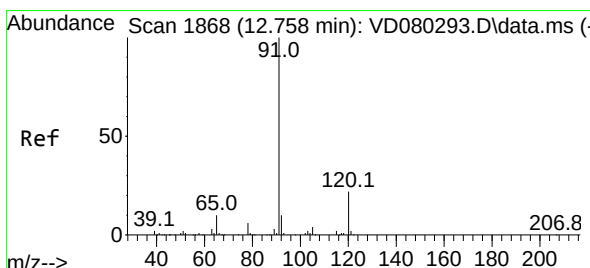
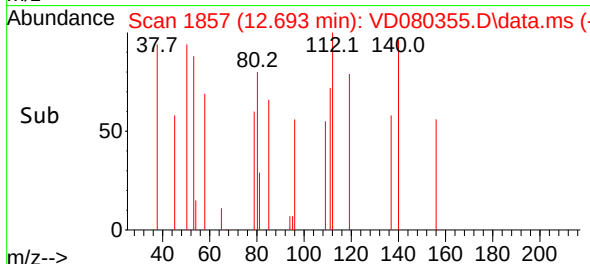
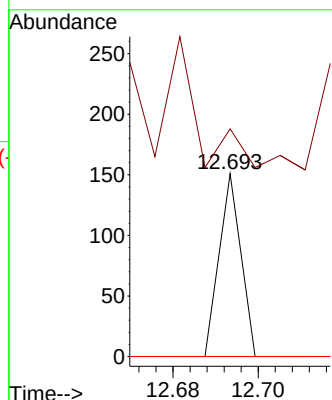
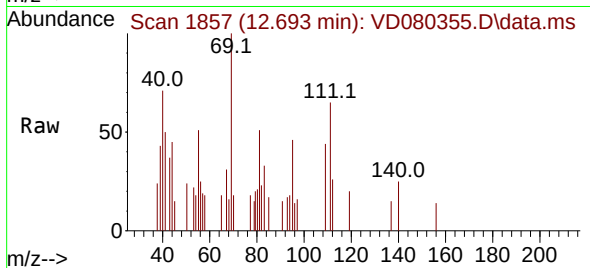
Instrument :

MSVOA_D

ClientSampleId :

MOO-25-0145

Tgt Ion:	156	Resp:	53
Ion	Ratio	Lower	Upper
156	100		
77	0.0	89.8	269.6#
158	0.0	47.9	143.8#



#78

n-propylbenzene

Concen: 16.784 ug/l

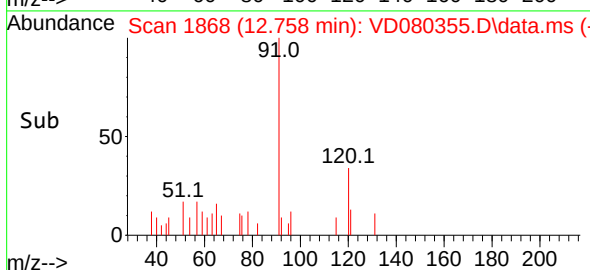
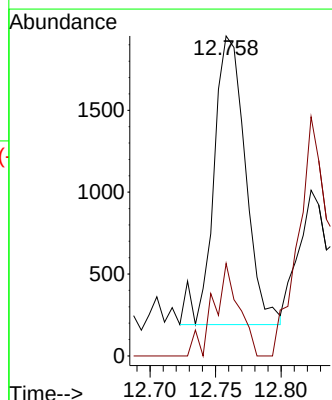
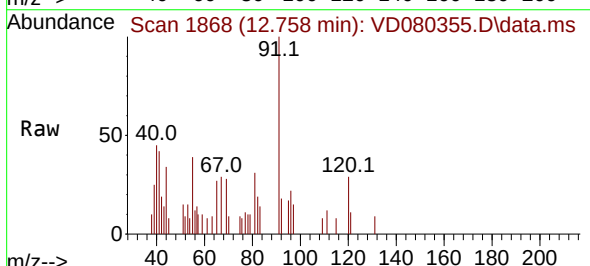
RT: 12.758 min Scan# 1868

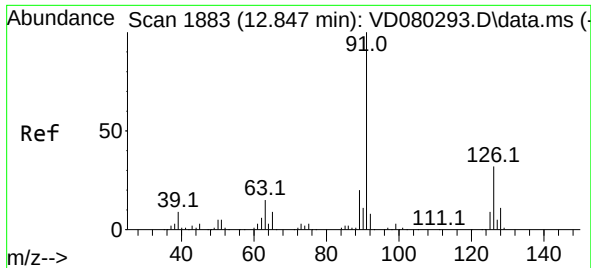
Delta R.T. -0.005 min

Lab File: VD080355.D

Acq: 15 May 2025 18:10

Tgt Ion:	91	Resp:	2969
Ion	Ratio	Lower	Upper
91	100		
120	25.5	11.2	33.5

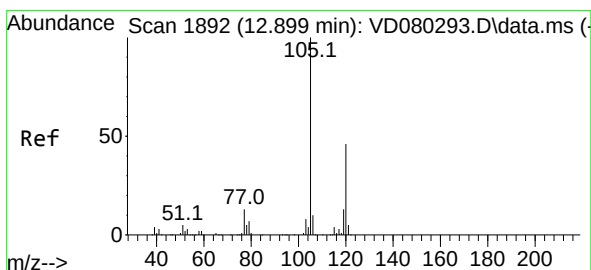
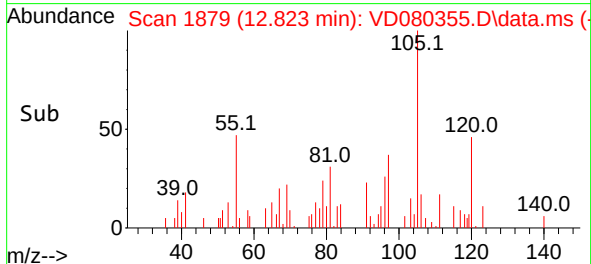
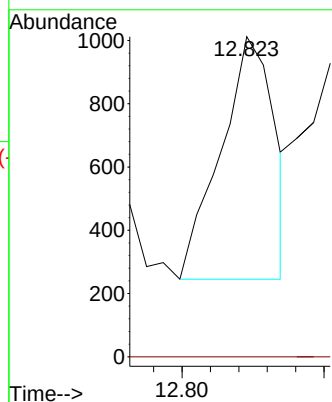
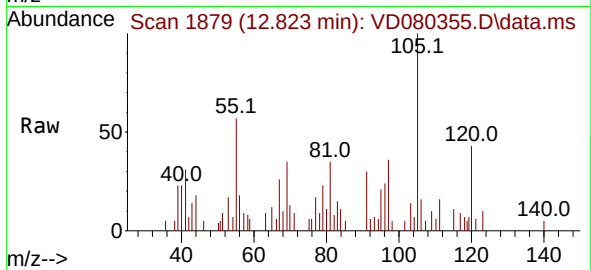




#79
2-Chlorotoluene
Concen: 9.855 ug/l
RT: 12.823 min Scan# 1879
Delta R.T. -0.023 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

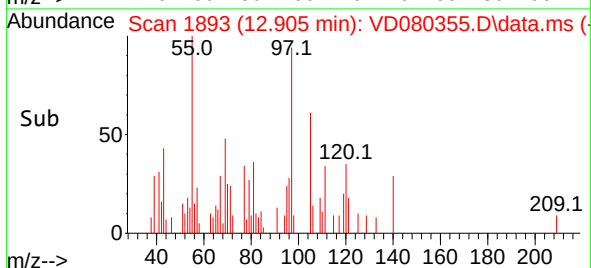
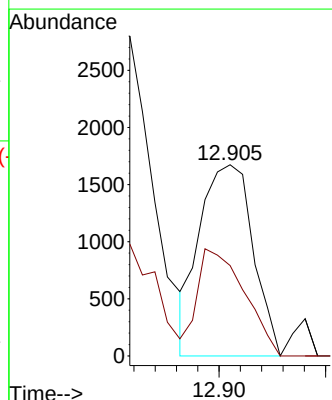
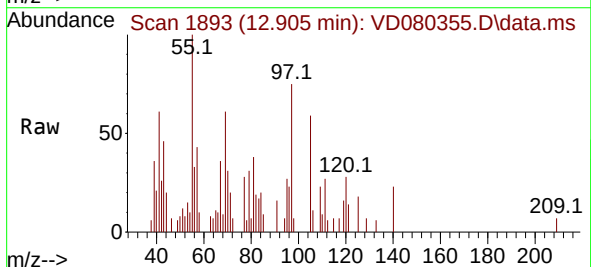
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0145

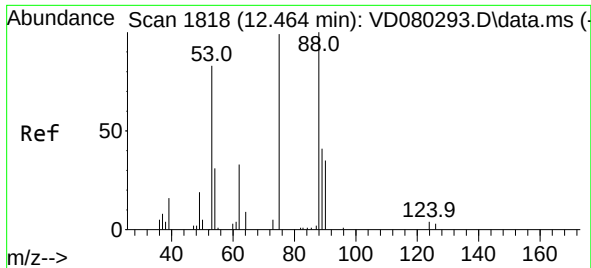
Tgt Ion: 91 Resp: 1014
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.5#



#80
1,3,5-Trimethylbenzene
Concen: 24.179 ug/l
RT: 12.905 min Scan# 1893
Delta R.T. 0.001 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion: 105 Resp: 2907
Ion Ratio Lower Upper
105 100
120 49.7 25.0 75.0

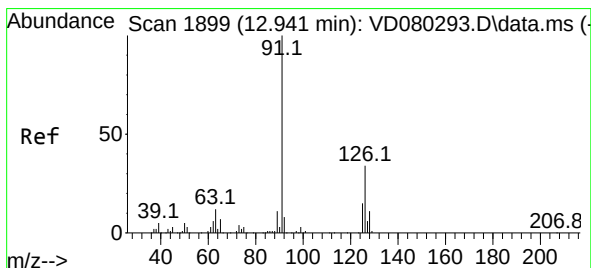
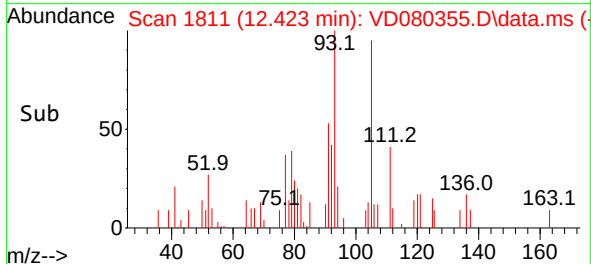
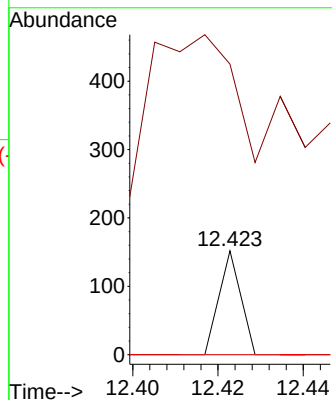
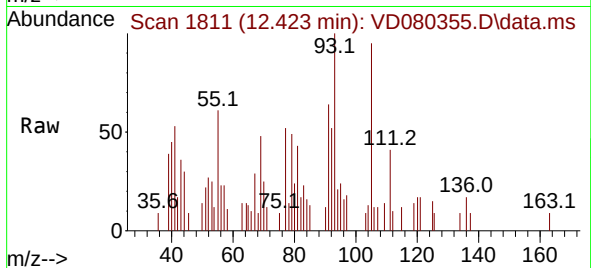




#81
trans-1,4-Dichloro-2-butene
Concen: 4.887 ug/l
RT: 12.423 min Scan# 11
Delta R.T. -0.046 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

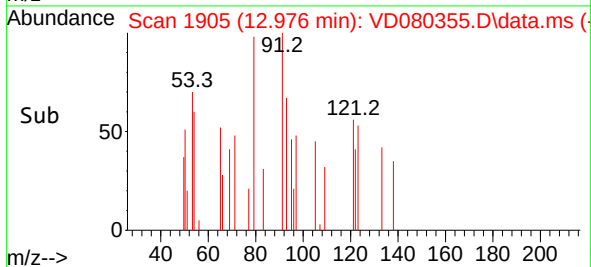
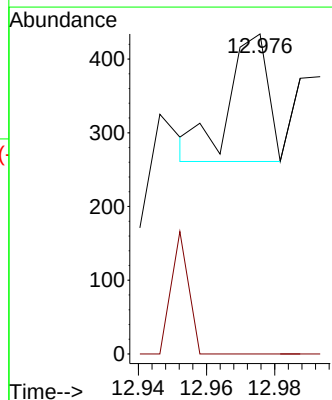
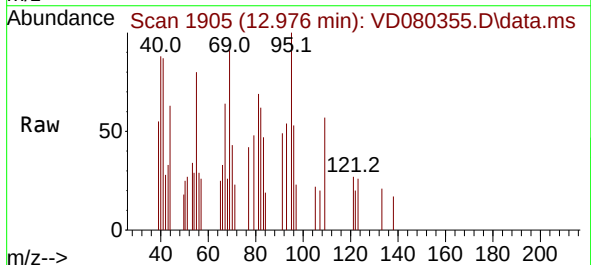
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0145

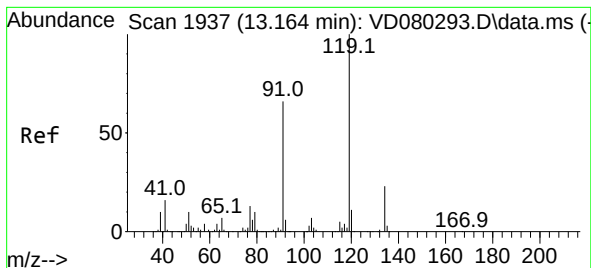
Tgt Ion: 75 Resp: 54
Ion Ratio Lower Upper
75 100
53 844.4 68.7 103.1#
89 0.0 36.1 54.1#



#82
4-Chlorotoluene
Concen: 1.242 ug/l
RT: 12.976 min Scan# 1905
Delta R.T. 0.030 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion: 91 Resp: 138
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.3#





#83

tert-Butylbenzene

Concen: 22.586 ug/l

RT: 13.399 min Scan# 1977

Delta R.T. 0.236 min

Lab File: VD080355.D

Acq: 15 May 2025 18:10

Instrument :

MSVOA_D

ClientSampleId :

MOO-25-0145

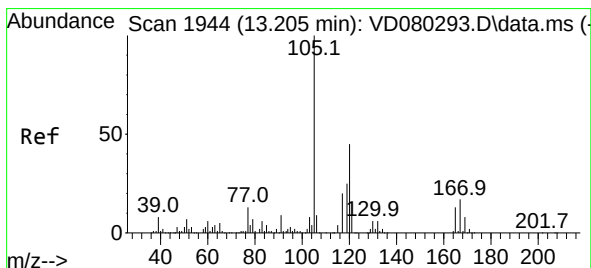
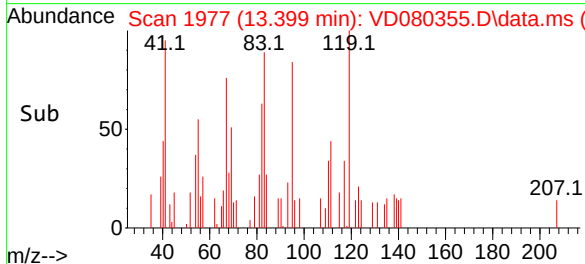
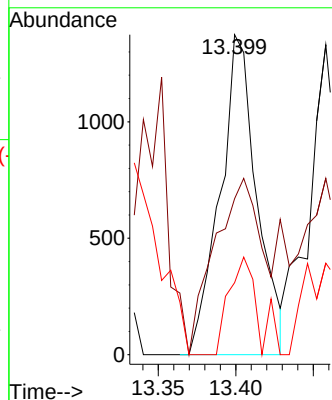
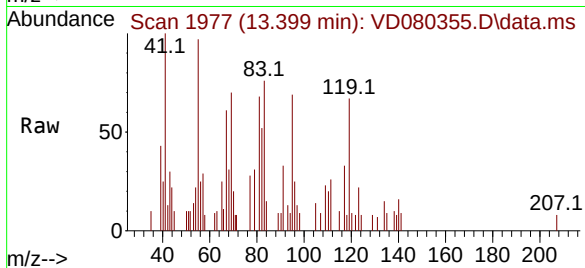
Tgt Ion:119 Resp: 2266

Ion Ratio Lower Upper

119 100

91 70.8 33.3 99.9

134 24.0 13.5 40.5



#84

1,2,4-Trimethylbenzene

Concen: 80.229 ug/l

RT: 13.205 min Scan# 1944

Delta R.T. -0.005 min

Lab File: VD080355.D

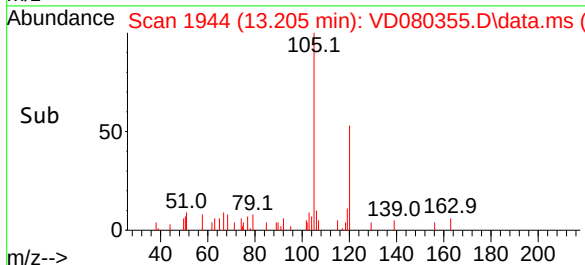
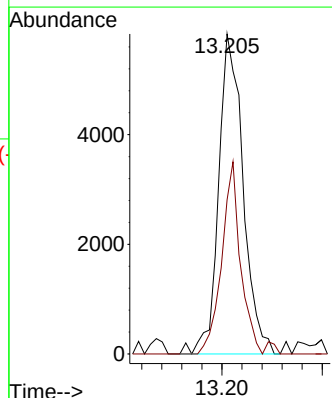
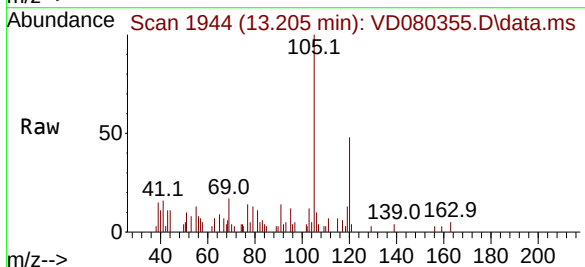
Acq: 15 May 2025 18:10

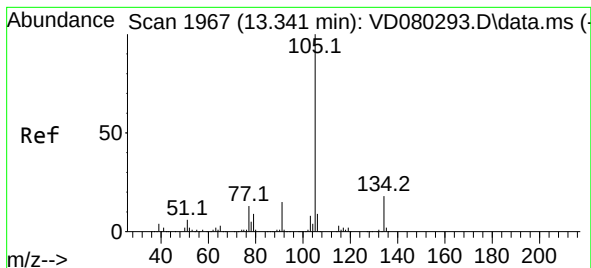
Tgt Ion:105 Resp: 9869

Ion Ratio Lower Upper

105 100

120 46.0 22.8 68.4





#85

sec-Butylbenzene

Concen: 40.701 ug/l

RT: 13.340 min Scan# 1967

Delta R.T. 0.000 min

Lab File: VD080355.D

Acq: 15 May 2025 18:10

Instrument :

MSVOA_D

ClientSampleId :

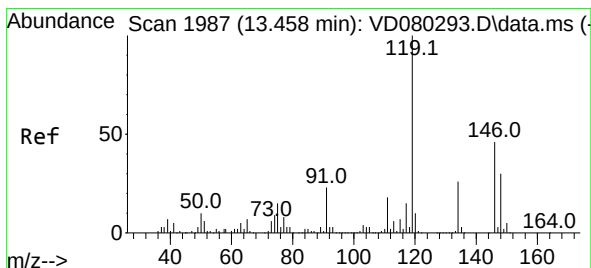
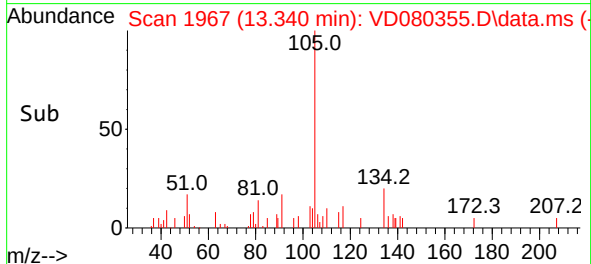
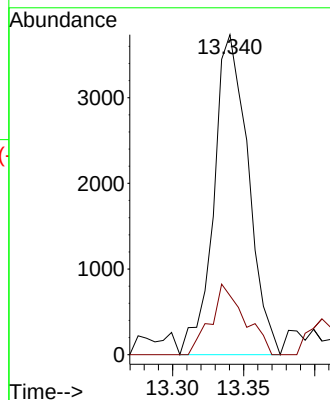
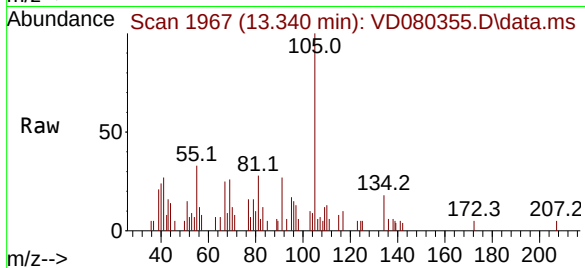
MOO-25-0145

Tgt Ion:105 Resp: 6297

Ion Ratio Lower Upper

105 100

134 21.7 9.8 29.3



#86

p-Isopropyltoluene

Concen: 14.251 ug/l

RT: 13.458 min Scan# 1987

Delta R.T. 0.001 min

Lab File: VD080355.D

Acq: 15 May 2025 18:10

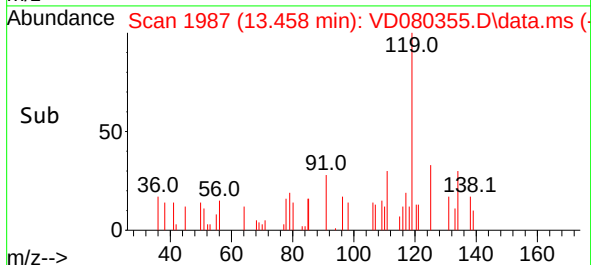
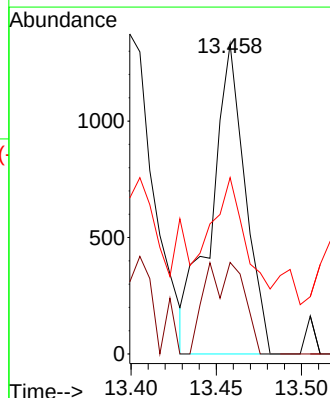
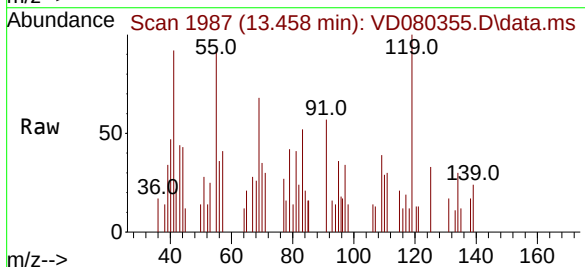
Tgt Ion:119 Resp: 1853

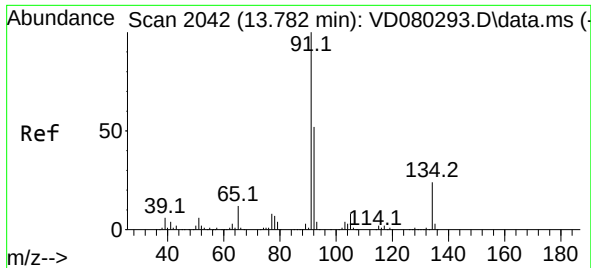
Ion Ratio Lower Upper

119 100

134 33.4 13.1 39.1

91 29.6 12.2 36.4

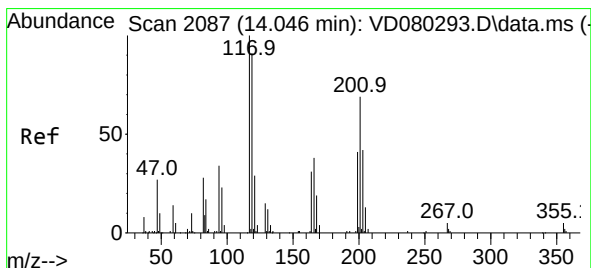
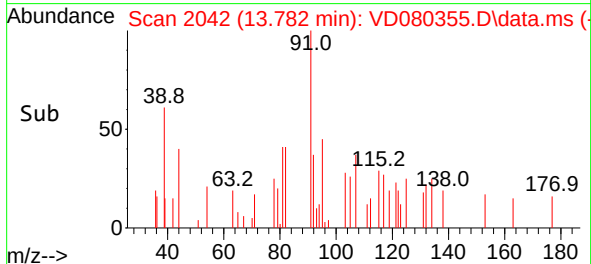
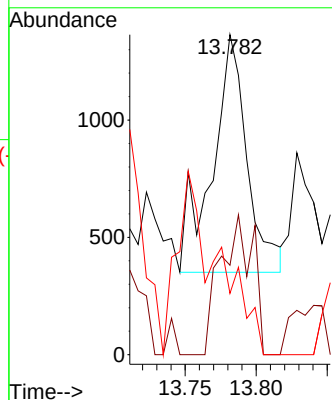
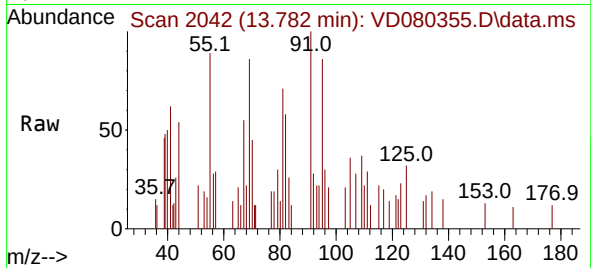




#89
n-Butylbenzene
Concen: 13.714 ug/l
RT: 13.782 min Scan# 2042
Delta R.T. -0.005 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

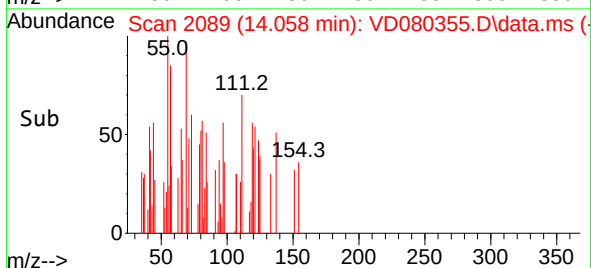
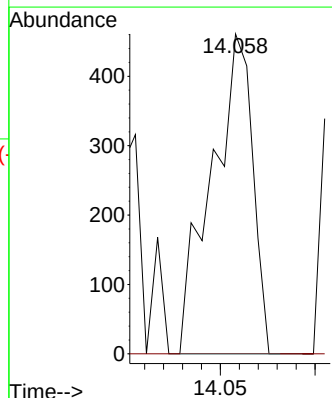
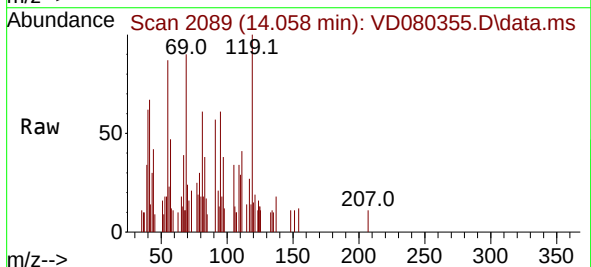
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0145

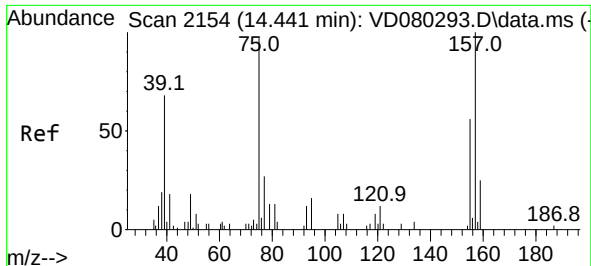
Tgt Ion: 91 Resp: 1731
Ion Ratio Lower Upper
91 100
92 54.0 26.3 78.9
134 0.0 12.3 36.8#



#90
Hexachloroethane
Concen: 24.053 ug/l
RT: 14.058 min Scan# 2089
Delta R.T. 0.007 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion: 117 Resp: 692
Ion Ratio Lower Upper
117 100
201 0.0 37.5 112.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 13.360 ug/l

RT: 14.434 min Scan# 2153

Delta R.T. -0.006 min

Lab File: VD080355.D

Acq: 15 May 2025 18:10

Instrument :

MSVOA_D

ClientSampleId :

MOO-25-0145

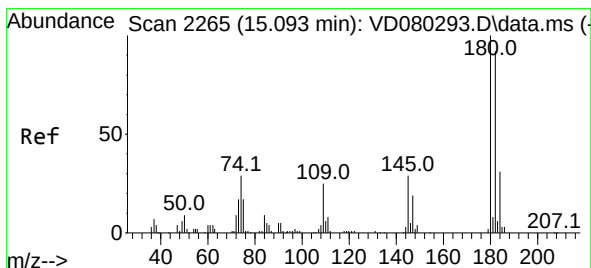
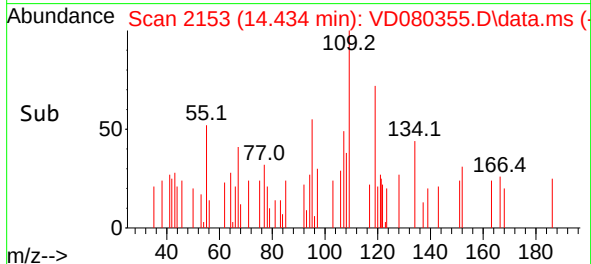
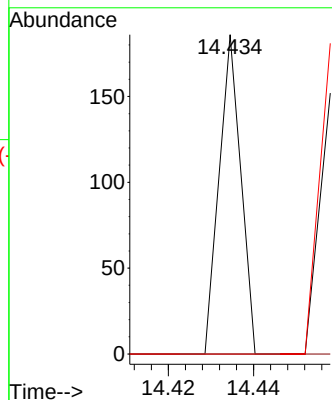
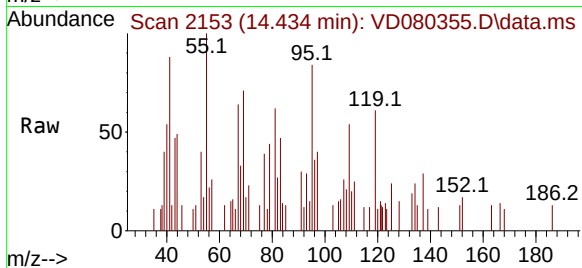
Tgt Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

155 0.0 40.6 122.0#

157 0.0 53.3 159.9#



#93

1,2,4-Trichlorobenzene

Concen: 18.076 ug/l

RT: 15.187 min Scan# 2281

Delta R.T. 0.089 min

Lab File: VD080355.D

Acq: 15 May 2025 18:10

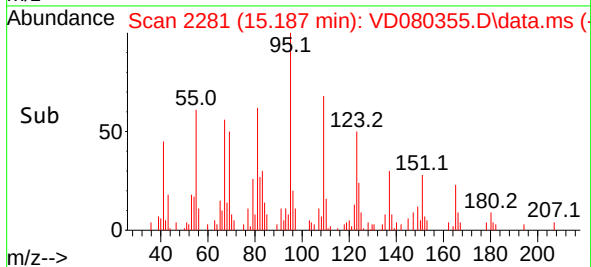
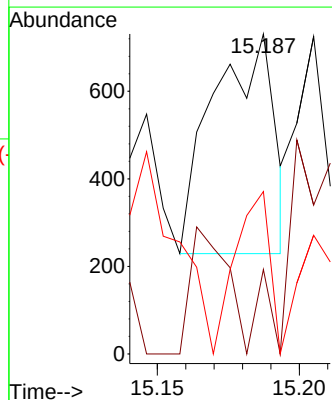
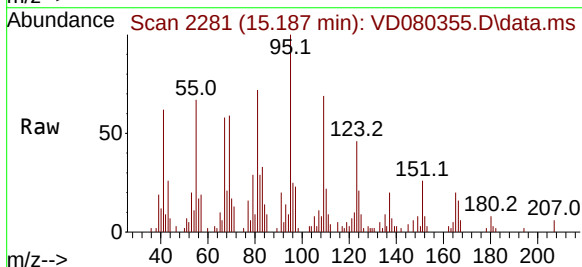
Tgt Ion:180 Resp: 753

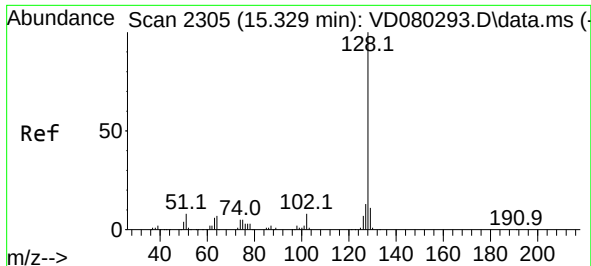
Ion Ratio Lower Upper

180 100

182 106.2 47.4 142.2

145 41.3 14.7 44.1

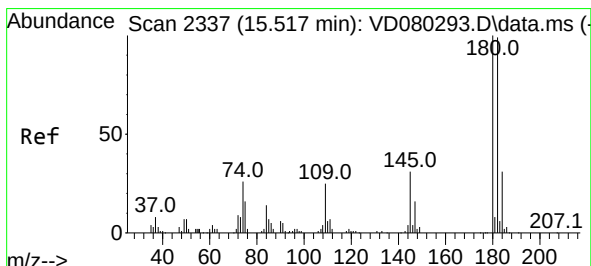
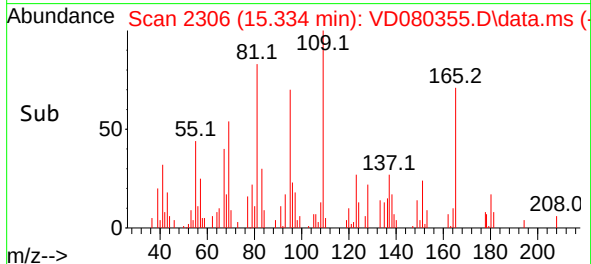
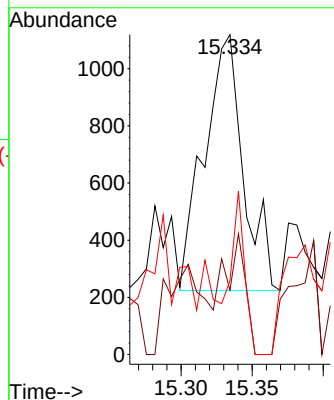
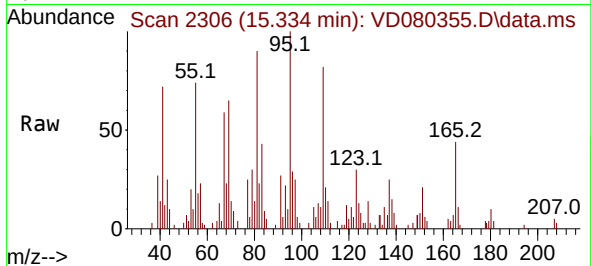




#95
Naphthalene
Concen: 21.913 ug/l
RT: 15.334 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0145

Tgt Ion:128 Resp: 1714
Ion Ratio Lower Upper
128 100
127 20.1 11.8 17.8#
129 23.1 8.3 12.5#



#96
1,2,3-Trichlorobenzene
Concen: 117.589 ug/l
RT: 15.481 min Scan# 2331
Delta R.T. -0.035 min
Lab File: VD080355.D
Acq: 15 May 2025 18:10

Tgt Ion:180 Resp: 4381
Ion Ratio Lower Upper
180 100
182 13.2 47.5 142.6#
145 17.7 15.7 47.0

