

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077462.D
 Acq On : 31 Oct 2023 15:47
 Operator : JC/SY
 Sample : 05141-05
 Misc : 5.10G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:08:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

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

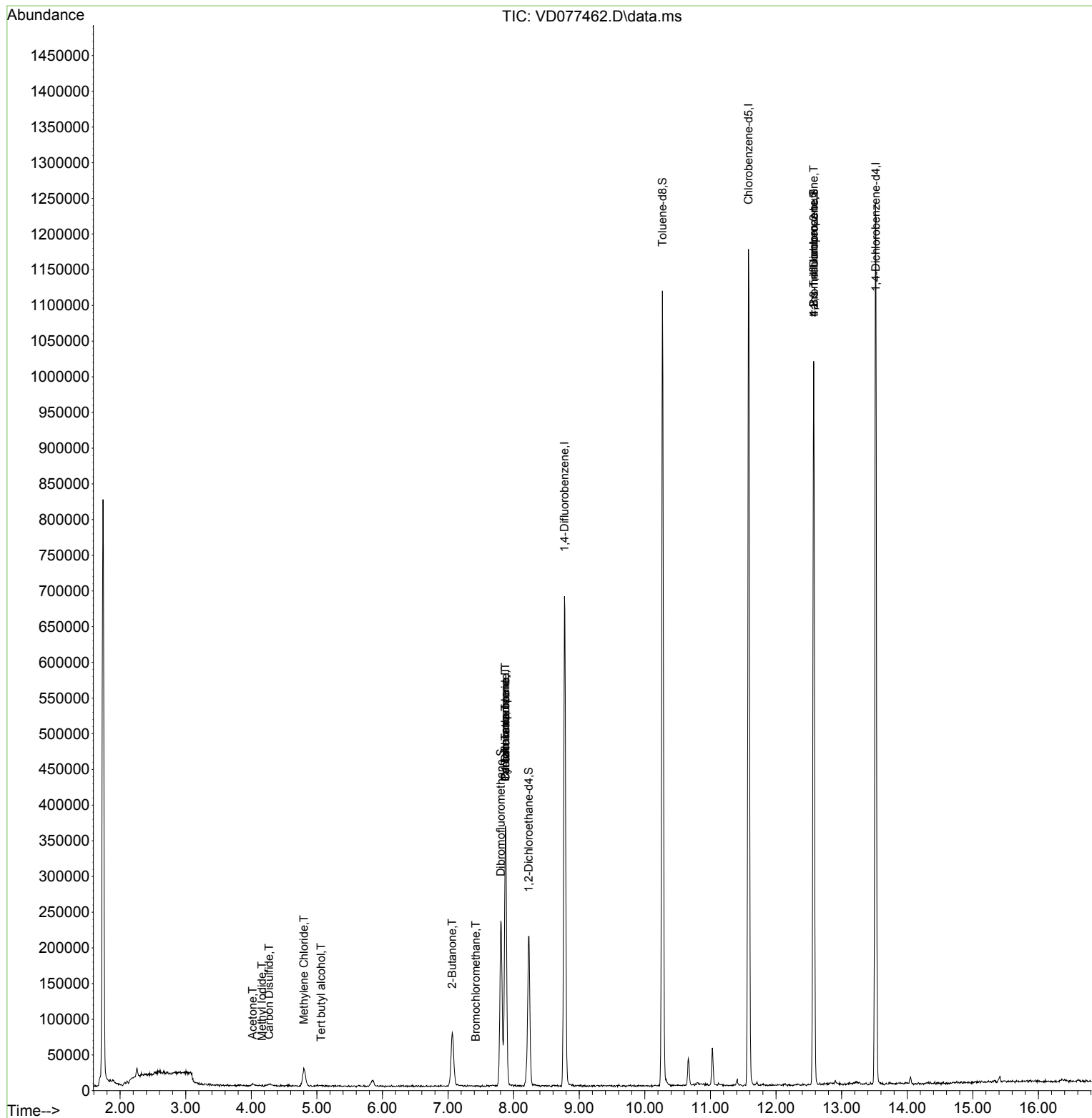
Internal Standards						
1) Pentafluorobenzene	7.875	168	266597	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	549709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	606509	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	306942	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	160623	42.608	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.220%
35) Dibromofluoromethane	7.804	113	169407	44.588	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.180%
50) Toluene-d8	10.269	98	728499	49.364	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.720%
62) 4-Bromofluorobenzene	12.575	95	310375	62.443	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	124.880%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.163	142	54	3.162	ug/l #	46
11) Tert butyl alcohol	5.063	59	655	2.193	ug/l #	67
16) Acetone	4.022	43	6830	6.847	ug/l #	79
17) Carbon Disulfide	4.269	76	3391	4.138	ug/l #	74
20) Methylene Chloride	4.805	84	17262	2.296	ug/l #	80
25) 2-Butanone	7.063	43	3236	2.432	ug/l #	62
28) Bromochloromethane	7.422	49	54	2.122	ug/l #	1
31) Cyclohexane	7.875	56	7741	1.314	ug/l #	31
36) 1,1-Dichloropropene	7.875	75	25403	4.510	ug/l #	46
38) Carbon Tetrachloride	7.875	117	27587	5.197	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	178660	47.824	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	178660	92.378	ug/l #	17

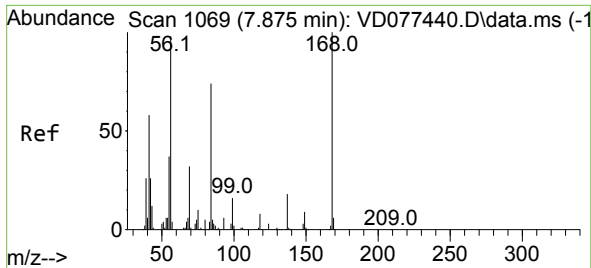
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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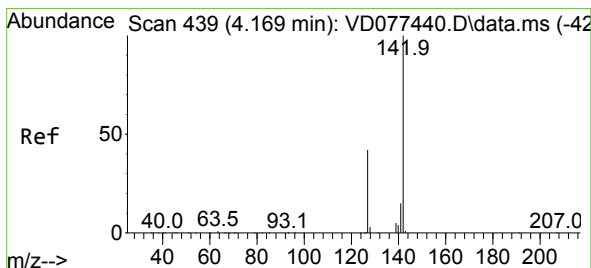
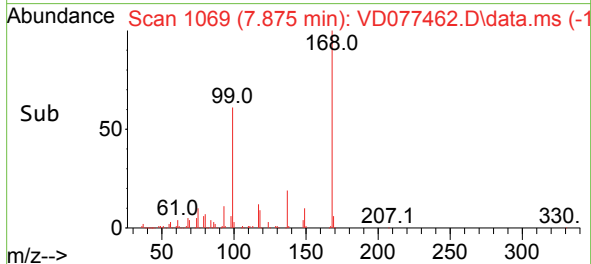
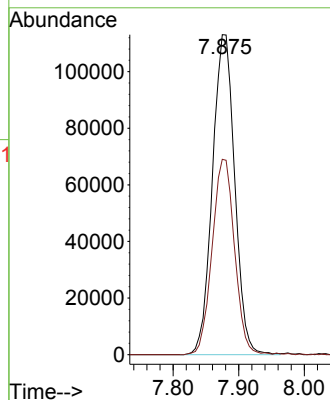
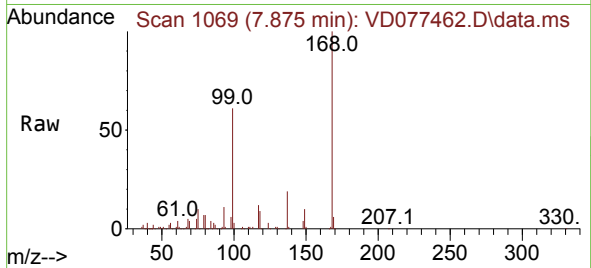




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

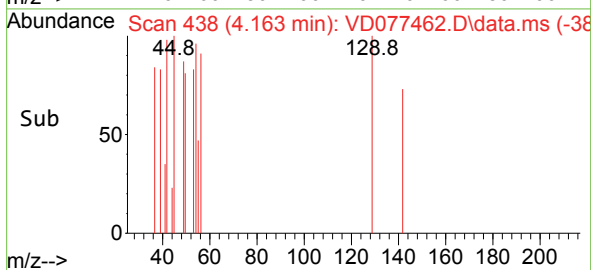
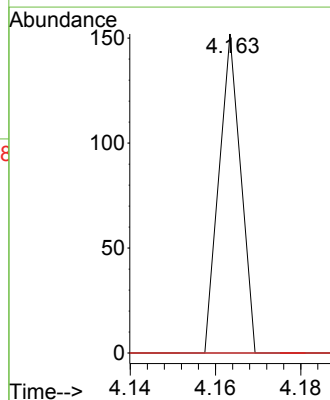
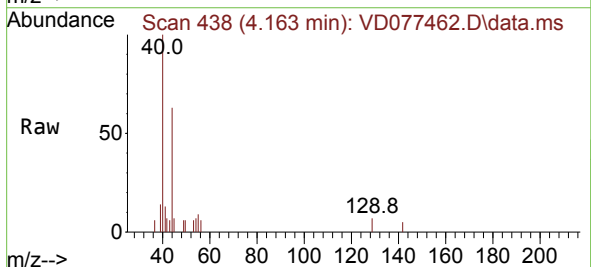
Instrument :
MSVOA_D
ClientSampleId :

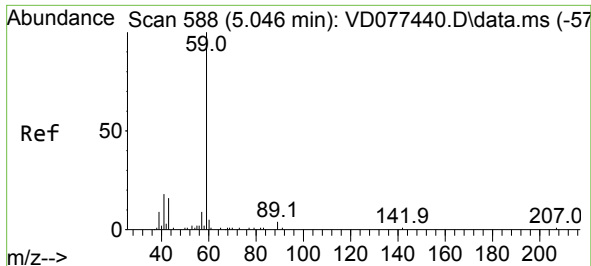
Tgt Ion:168 Resp: 266597
Ion Ratio Lower Upper
168 100
99 61.1 36.7 55.1#



#10
Methyl Iodide
Concen: 3.162 ug/l
RT: 4.163 min Scan# 438
Delta R.T. -0.006 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 29.4 44.0#
141 0.0 11.1 16.7#

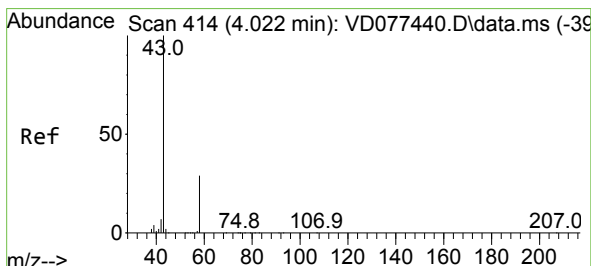
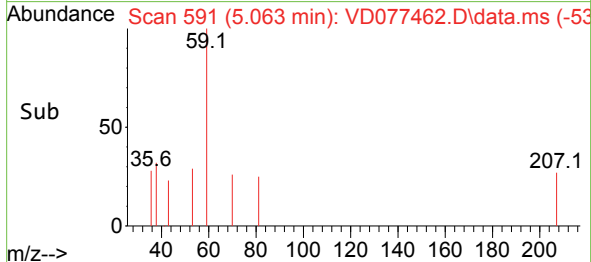
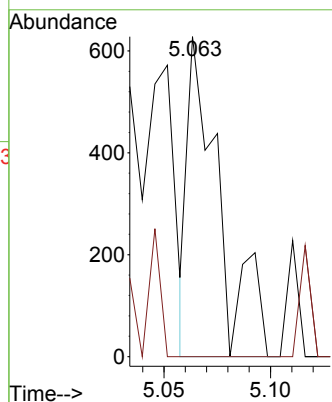
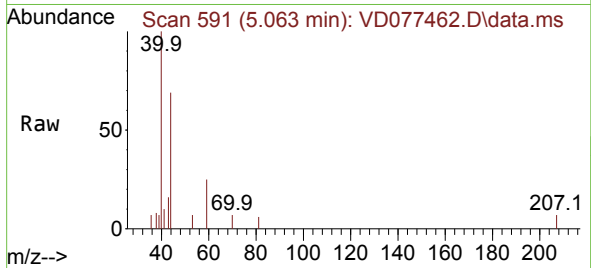




#11
Tert butyl alcohol
Concen: 2.193 ug/l
RT: 5.063 min Scan# 591
Delta R.T. 0.018 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

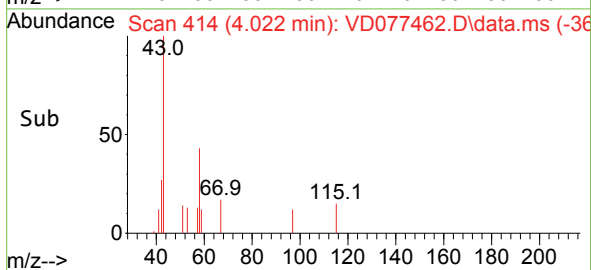
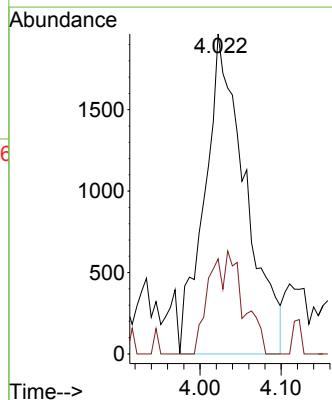
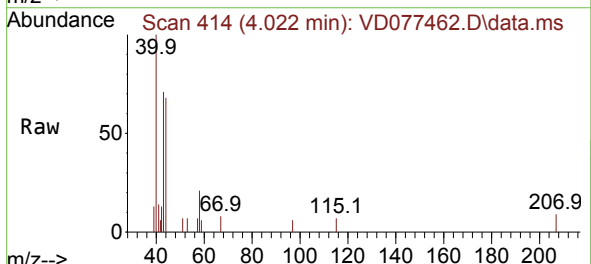
Instrument :
MSVOA_D
ClientSampleId :

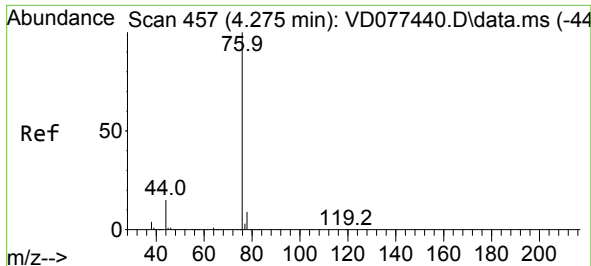
Tgt Ion: 59 Resp: 655
Ion Ratio Lower Upper
59 100
57 21.8 7.8 11.8#



#16
Acetone
Concen: 6.847 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

Tgt Ion: 43 Resp: 6830
Ion Ratio Lower Upper
43 100
58 29.7 34.7 52.1#

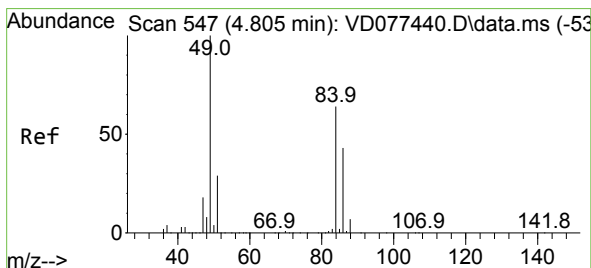
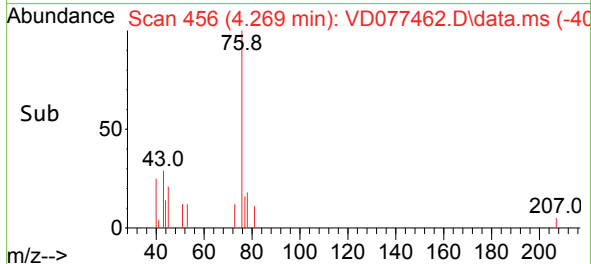
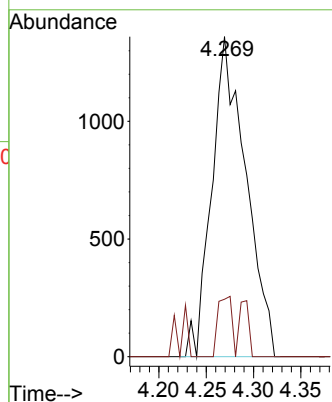
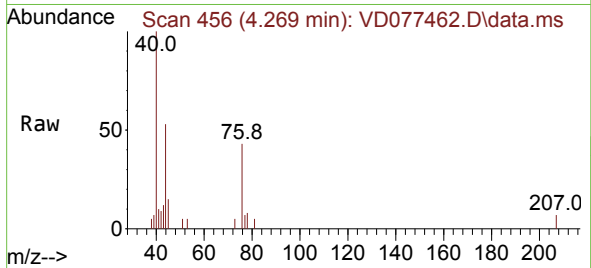




#17
Carbon Disulfide
Concen: 4.138 ug/l
RT: 4.269 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

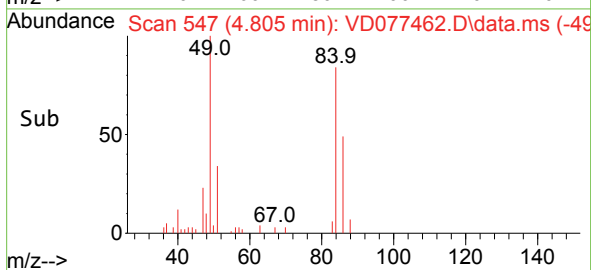
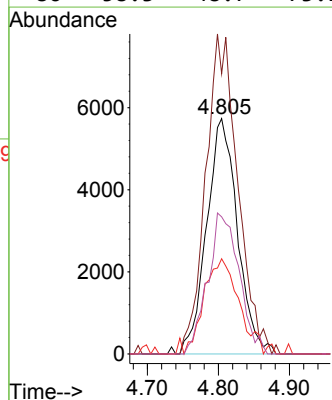
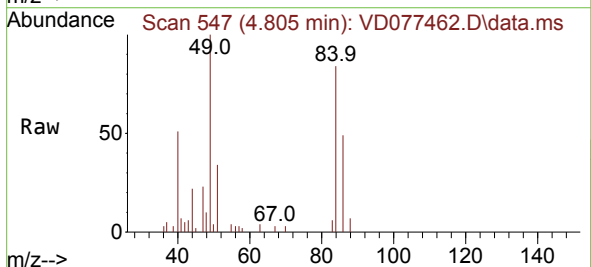
Instrument :
MSVOA_D
ClientSampleId :

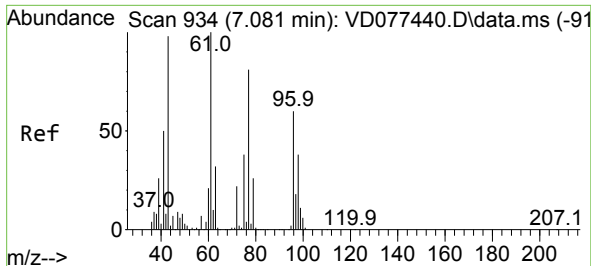
Tgt Ion: 76 Resp: 3391
Ion Ratio Lower Upper
76 100
78 17.9 6.8 10.2#



#20
Methylene Chloride
Concen: 2.296 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

Tgt Ion: 84 Resp: 17262
Ion Ratio Lower Upper
84 100
49 119.1 71.4 107.2#
51 40.5 24.5 36.7#
86 58.3 48.7 73.1





#25

2-Butanone

Concen: 2.432 ug/l

RT: 7.063 min Scan# 91

Delta R.T. -0.018 min

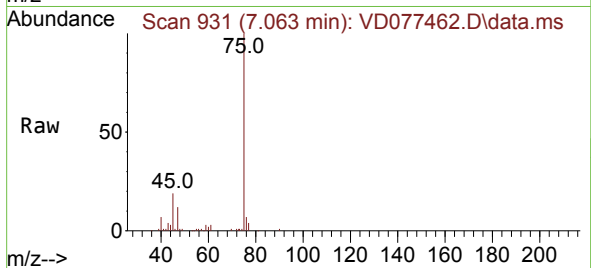
Lab File: VD077462.D

Acq: 31 Oct 2023 15:47

Instrument :

MSVOA_D

ClientSampleId :

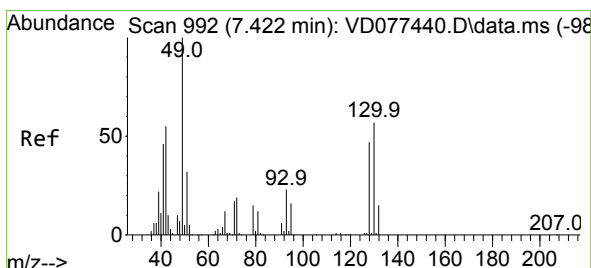
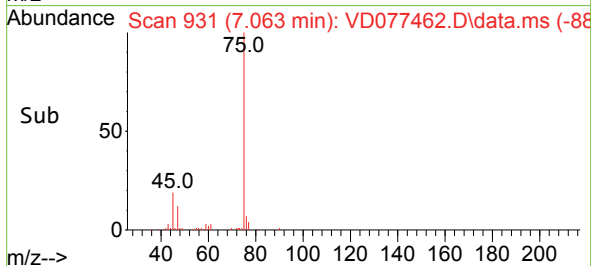
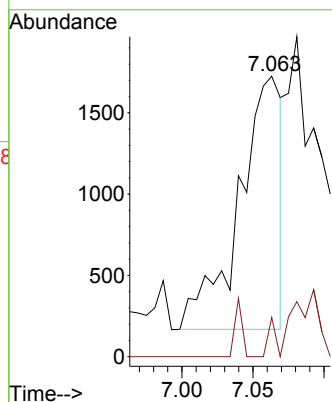


Tgt Ion: 43 Resp: 3236

Ion Ratio Lower Upper

43 100

72 15.5 30.7 46.1#



#28

Bromochloromethane

Concen: 2.122 ug/l

RT: 7.422 min Scan# 992

Delta R.T. 0.000 min

Lab File: VD077462.D

Acq: 31 Oct 2023 15:47

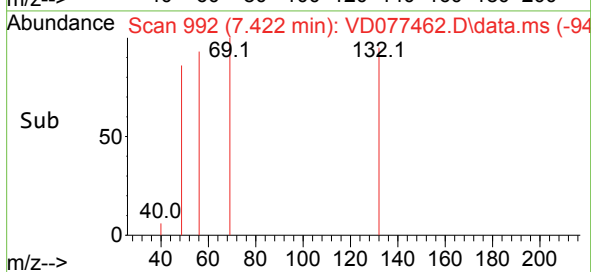
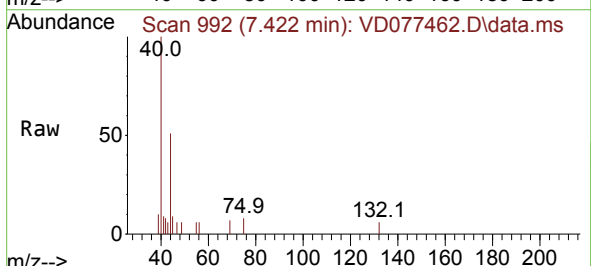
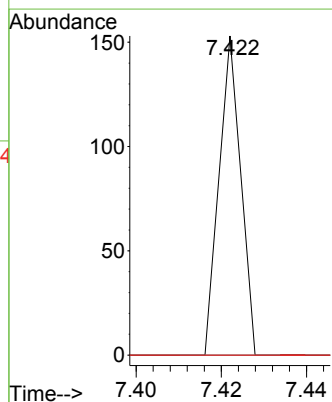
Tgt Ion: 49 Resp: 54

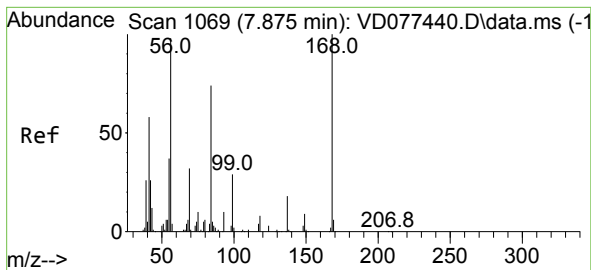
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 0.0 83.2 124.8#





#31

Cyclohexane

Concen: 1.314 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

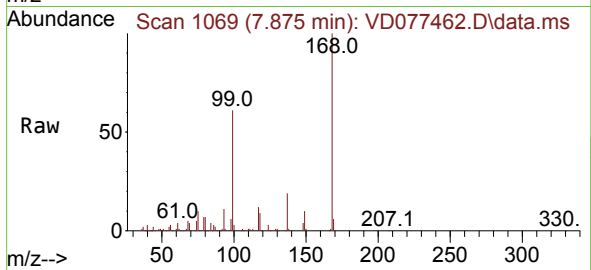
Lab File: VD077462.D

Acq: 31 Oct 2023 15:47

Instrument :

MSVOA_D

ClientSampleId :



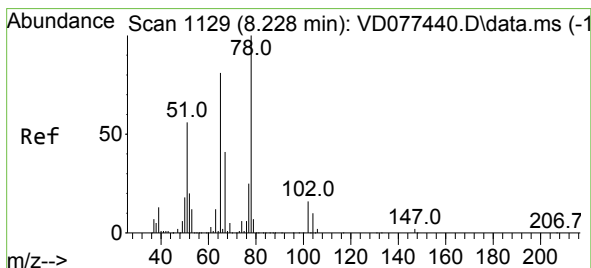
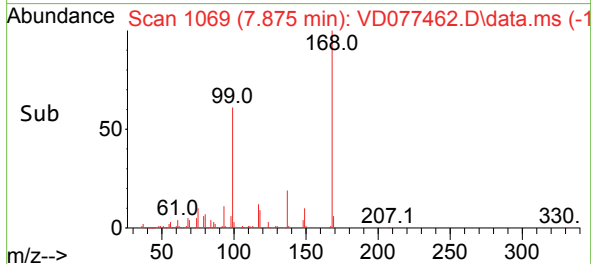
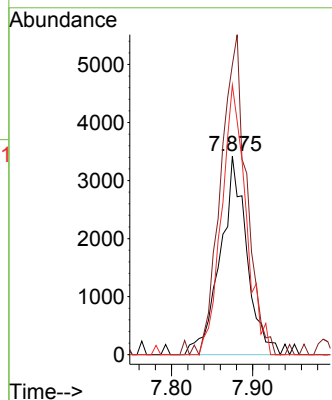
Tgt Ion: 56 Resp: 7741

Ion Ratio Lower Upper

56 100

69 146.0 28.6 43.0#

84 135.8 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 42.608 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD077462.D

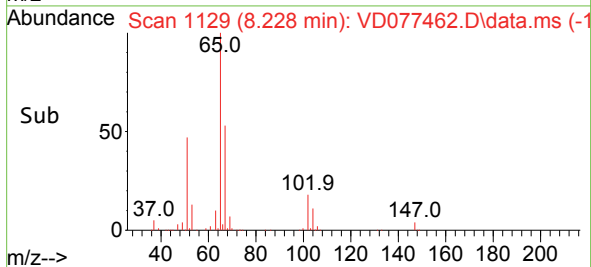
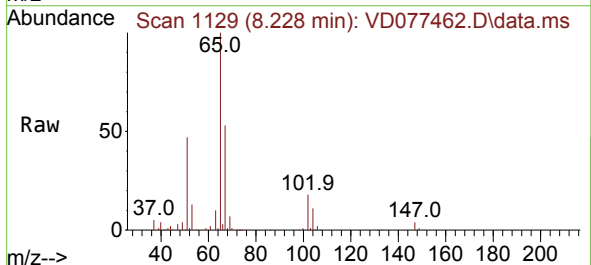
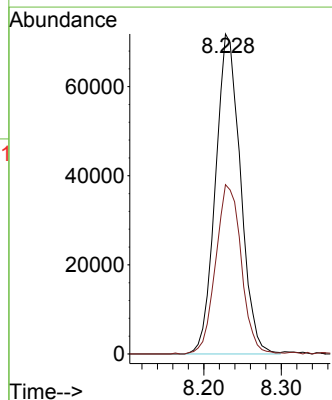
Acq: 31 Oct 2023 15:47

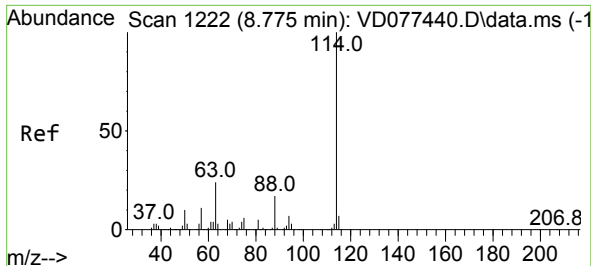
Tgt Ion: 65 Resp: 160623

Ion Ratio Lower Upper

65 100

67 54.3 0.0 115.0

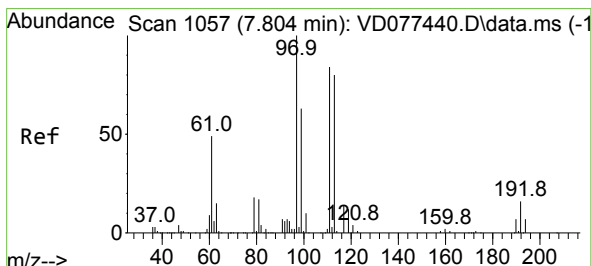
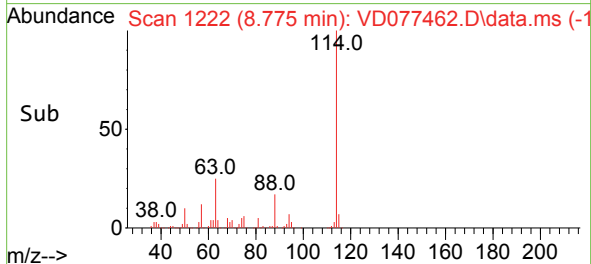
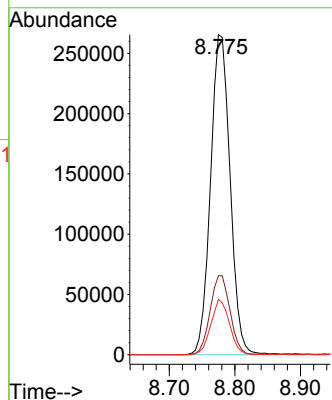
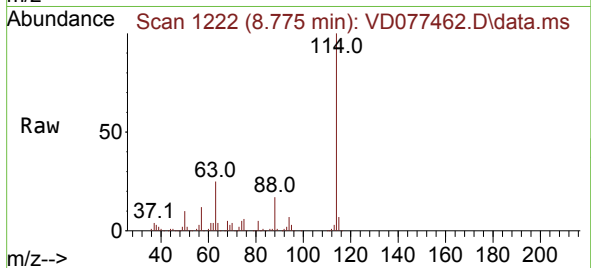




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

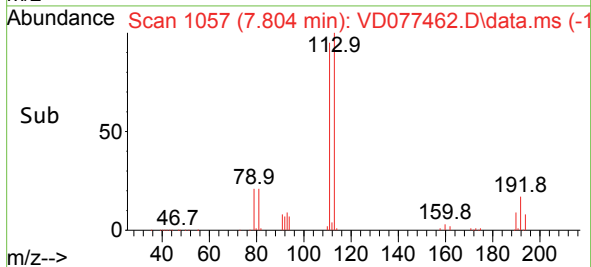
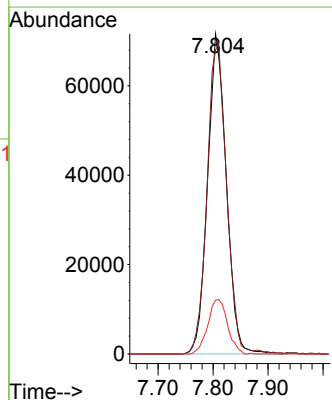
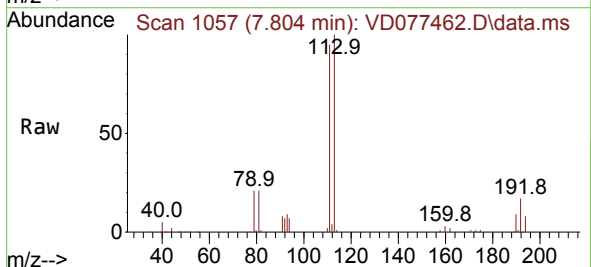
Instrument :
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ClientSampleId :

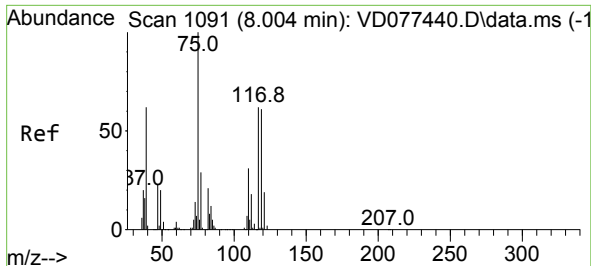
Tgt Ion:114 Resp: 549709
Ion Ratio Lower Upper
114 100
63 24.6 0.0 33.4
88 17.3 0.0 26.2



#35
Dibromofluoromethane
Concen: 44.588 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

Tgt Ion:113 Resp: 169407
Ion Ratio Lower Upper
113 100
111 101.7 84.7 127.1
192 17.9 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.510 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD077462.D

Acq: 31 Oct 2023 15:47

Instrument :

MSVOA_D

ClientSampleId :

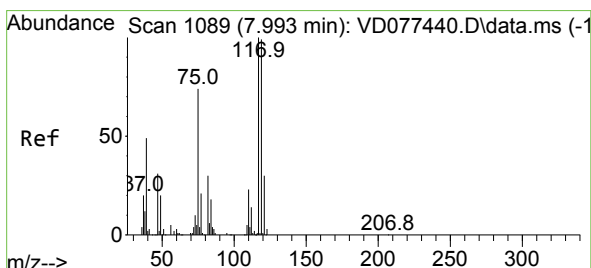
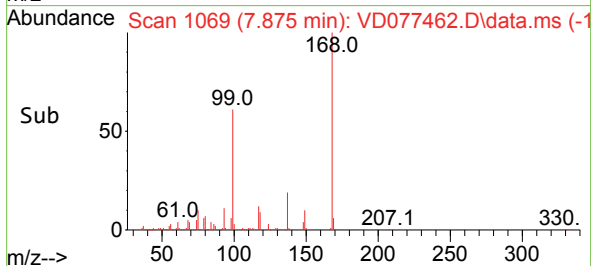
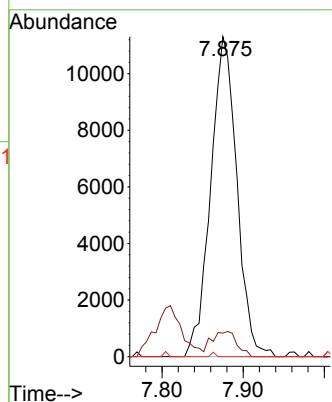
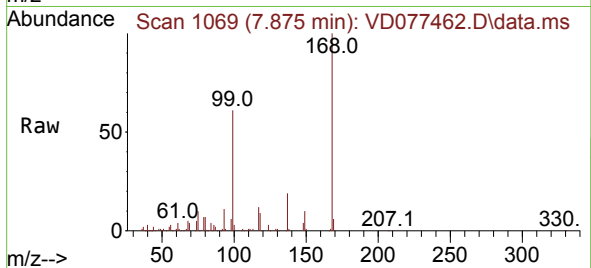
Tgt Ion: 75 Resp: 25403

Ion Ratio Lower Upper

75 100

110 7.6 19.9 59.6#

77 0.2 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.197 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD077462.D

Acq: 31 Oct 2023 15:47

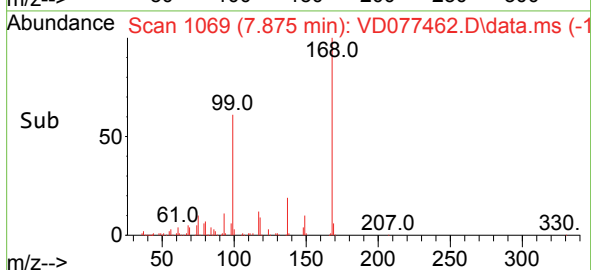
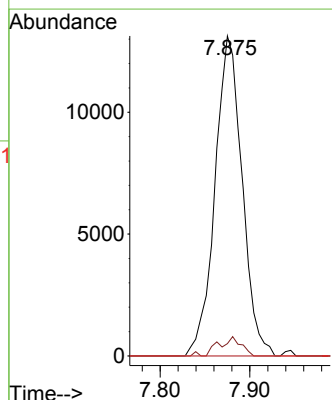
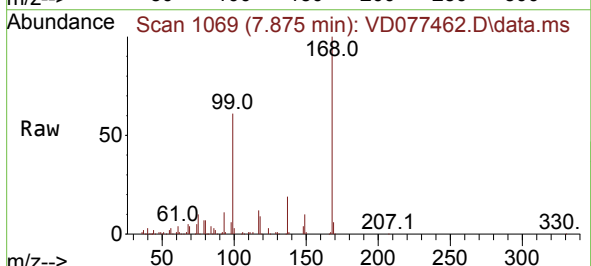
Tgt Ion: 117 Resp: 27587

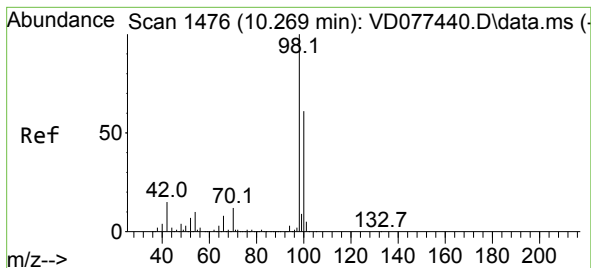
Ion Ratio Lower Upper

117 100

119 3.8 78.0 117.0#

121 0.0 24.2 36.2#

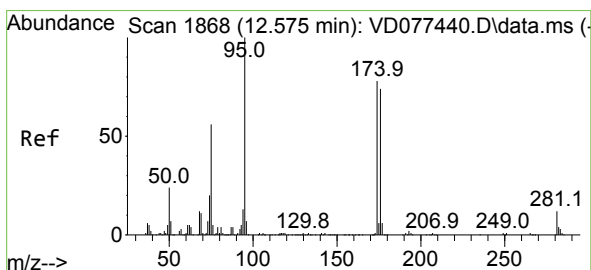
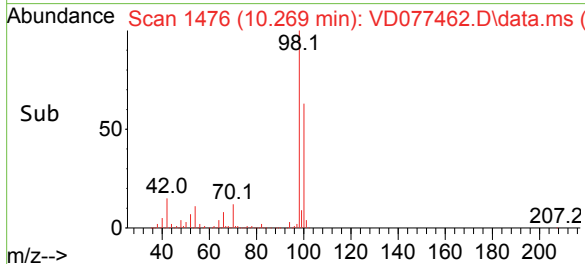
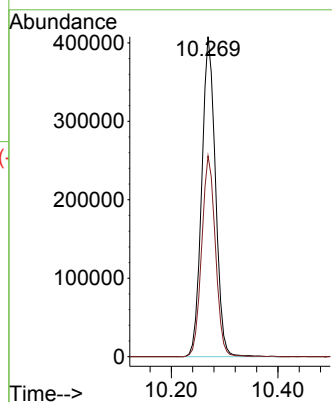
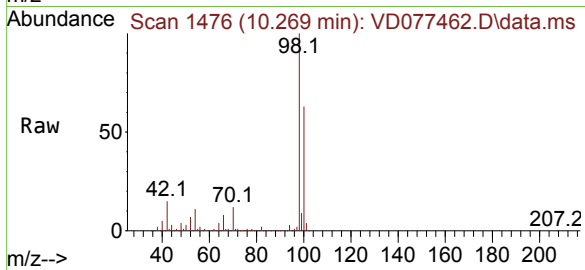




#50
Toluene-d8
Concen: 49.364 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

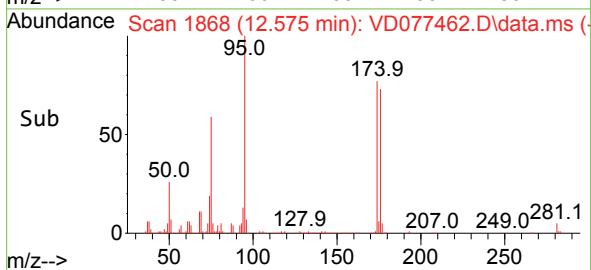
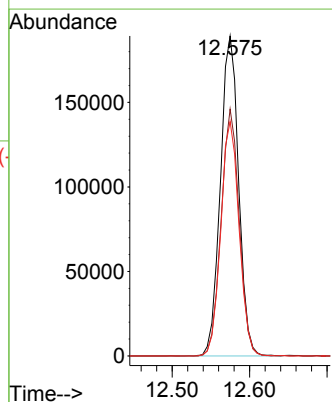
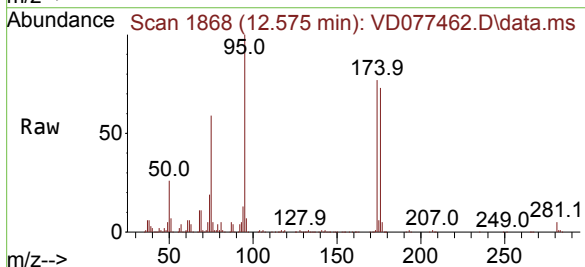
Instrument :
MSVOA_D
ClientSampleId :

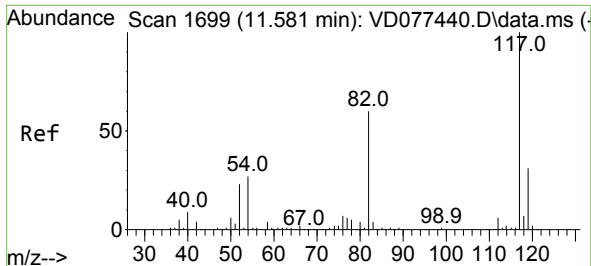
Tgt Ion: 98 Resp: 728499
Ion Ratio Lower Upper
98 100
100 62.8 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 62.443 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

Tgt Ion: 95 Resp: 310375
Ion Ratio Lower Upper
95 100
174 76.5 0.0 201.8
176 73.4 0.0 191.8

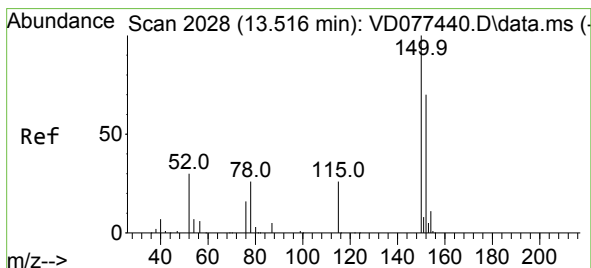
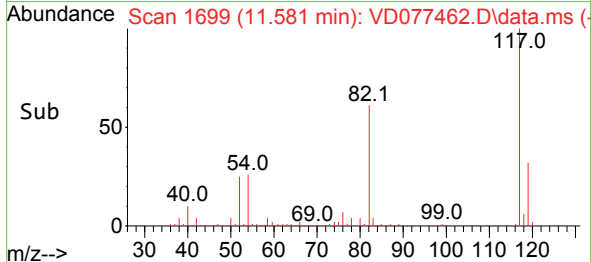
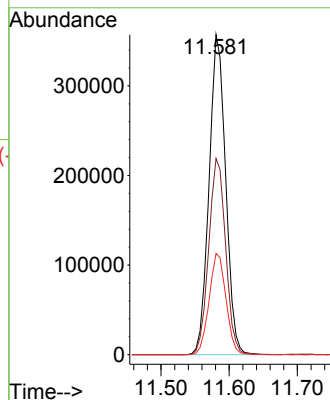
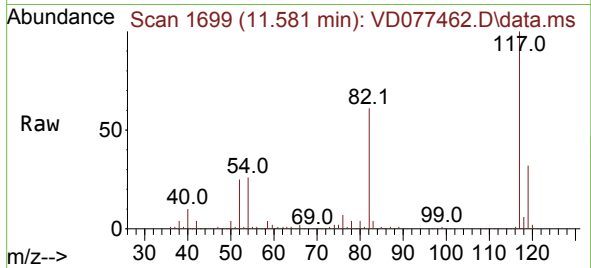




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

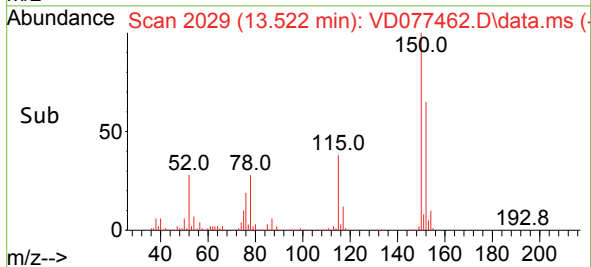
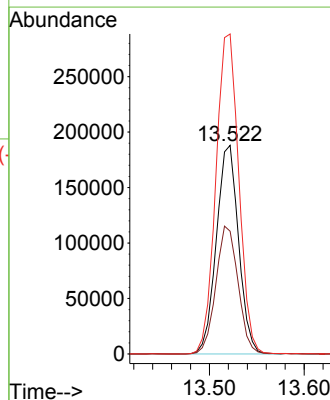
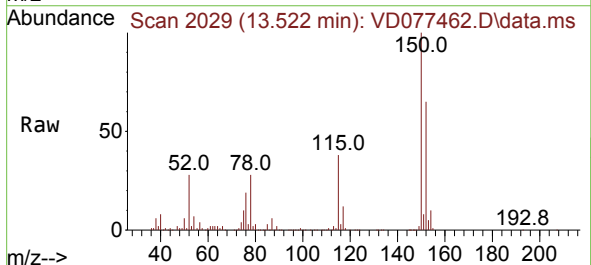
Instrument :
MSVOA_D
ClientSampleId :

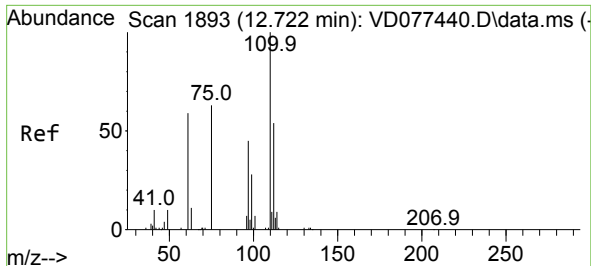
Tgt Ion:117 Resp: 606509
Ion Ratio Lower Upper
117 100
82 61.3 38.3 57.5#
119 31.7 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

Tgt Ion:152 Resp: 306942
Ion Ratio Lower Upper
152 100
115 61.4 27.1 81.3
150 158.1 0.0 353.6

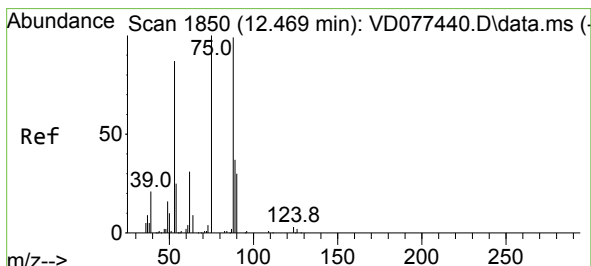
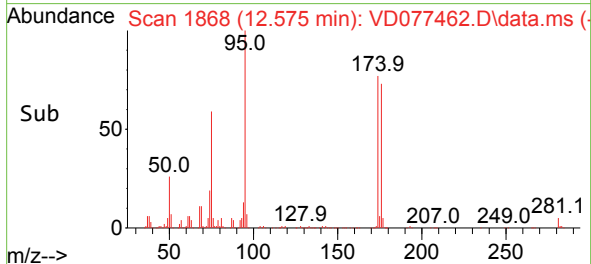
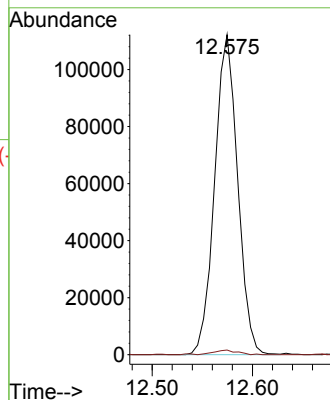
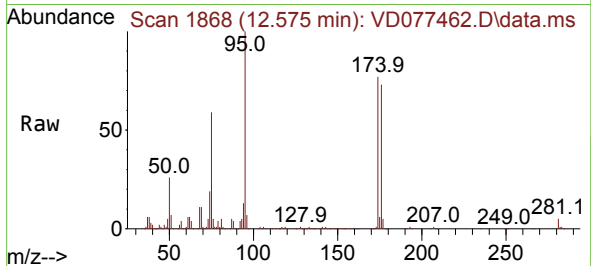




#76
1,2,3-Trichloropropane
Concen: 47.824 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 178660
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.378 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077462.D
Acq: 31 Oct 2023 15:47

Tgt Ion: 75 Resp: 178660
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.1 37.9 56.9#

