

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077453.D
 Acq On : 31 Oct 2023 11:16
 Operator : JC/SY
 Sample : VD1031SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:02:41 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)

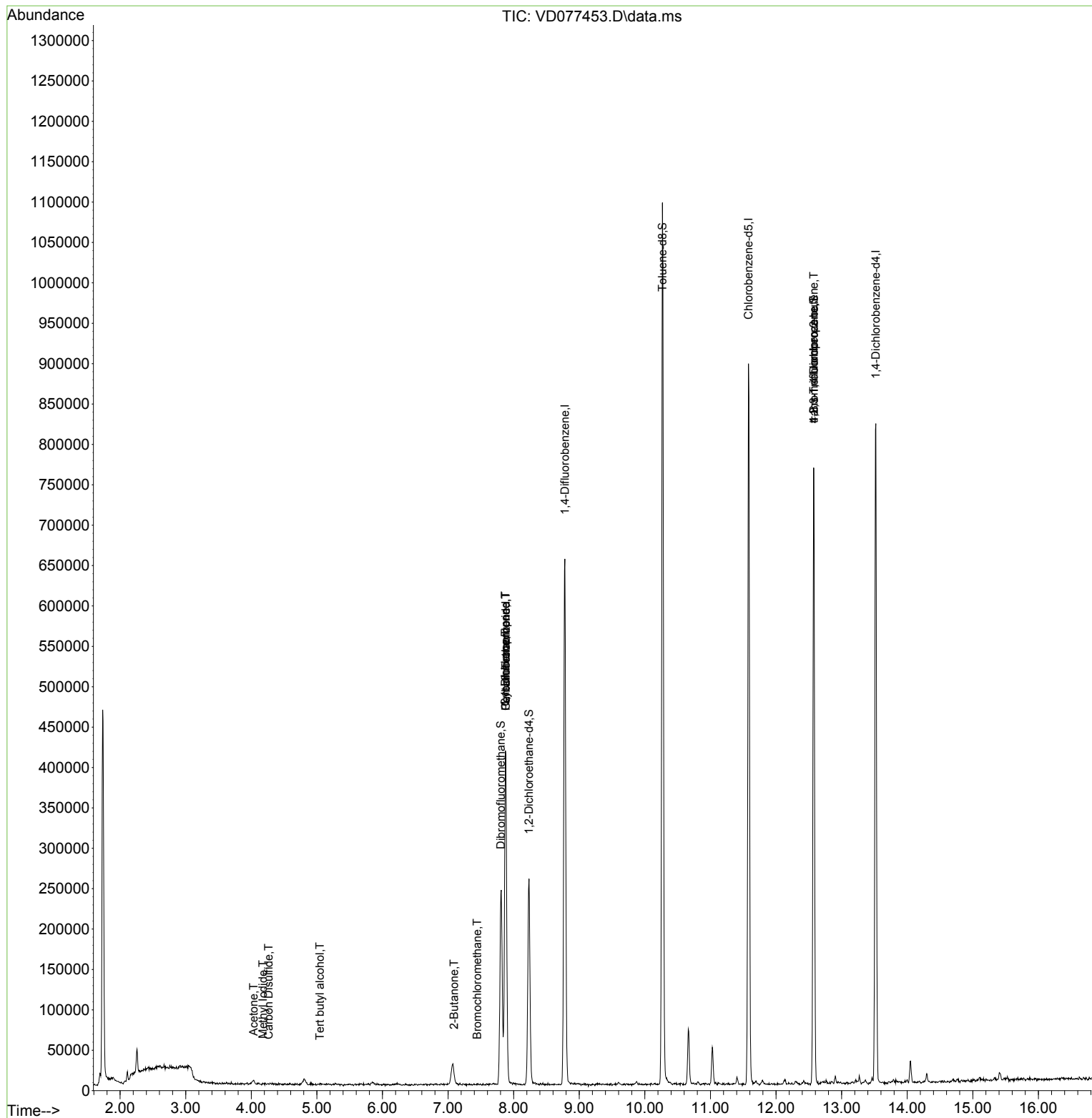
Internal Standards						
1) Pentafluorobenzene	7.881	168	298590	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	533784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	466634	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	204400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	202387	47.934	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.860%
35) Dibromofluoromethane	7.804	113	178226	48.309	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.620%
50) Toluene-d8	10.269	98	714344	49.849	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.700%
62) 4-Bromofluorobenzene	12.575	95	227530	47.142	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.280%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.175	142	1017	3.388	ug/l #	61
11) Tert butyl alcohol	5.046	59	704	2.105	ug/l #	38
16) Acetone	4.034	43	8460	7.572	ug/l #	84
17) Carbon Disulfide	4.263	76	602	3.817	ug/l #	76
20) Methylene Chloride	4.805	84	4739	Below Cal	#	76
25) 2-Butanone	7.093	43	7798	5.233	ug/l #	69
28) Bromochloromethane	7.446	49	62	2.122	ug/l #	1
31) Cyclohexane	7.875	56	8602	1.303	ug/l #	29
36) 1,1-Dichloropropene	7.875	75	28322	5.178	ug/l #	47
38) Carbon Tetrachloride	7.881	117	31260	6.065	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	128378	51.604	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	128378	99.680	ug/l #	17

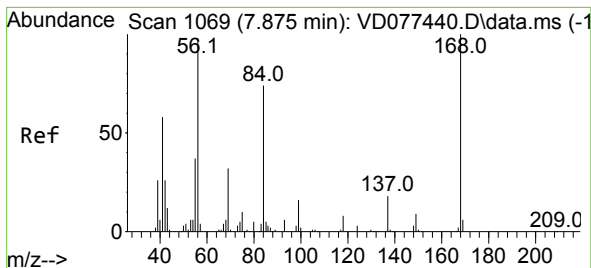
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 01 06:02:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 31 04:19:17 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077453.D

Acq: 31 Oct 2023 11:16

Instrument :

MSVOA_D

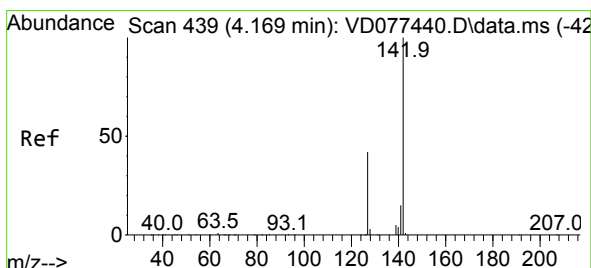
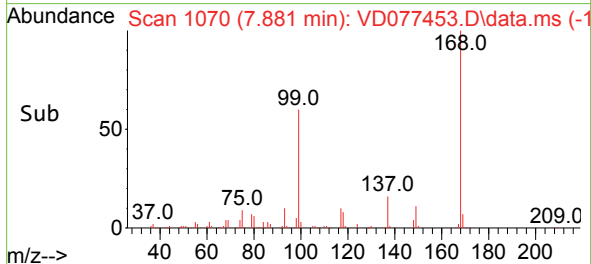
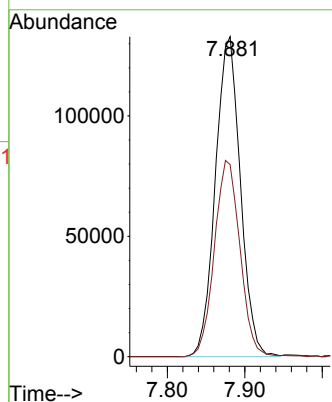
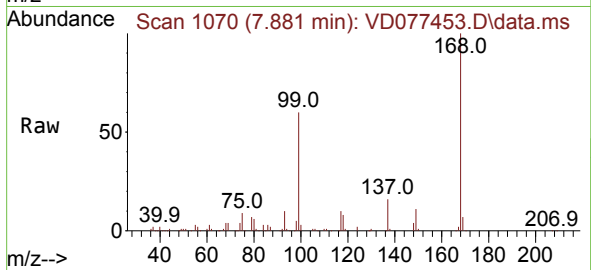
ClientSampleId :

Tgt Ion:168 Resp: 298590

Ion Ratio Lower Upper

168 100

99 60.0 36.7 55.1#



#10

Methyl Iodide

Concen: 3.388 ug/l

RT: 4.175 min Scan# 440

Delta R.T. 0.006 min

Lab File: VD077453.D

Acq: 31 Oct 2023 11:16

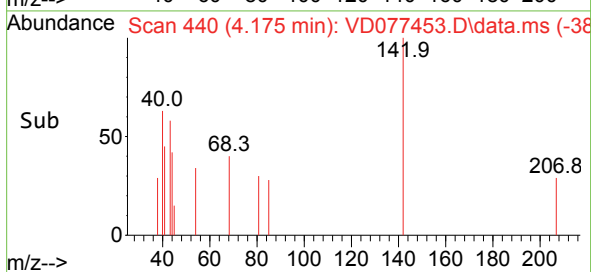
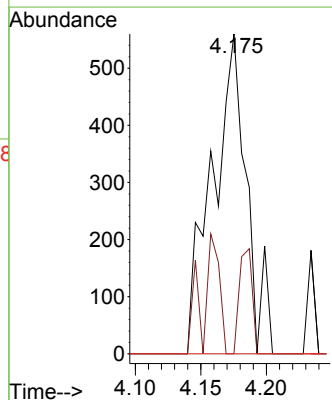
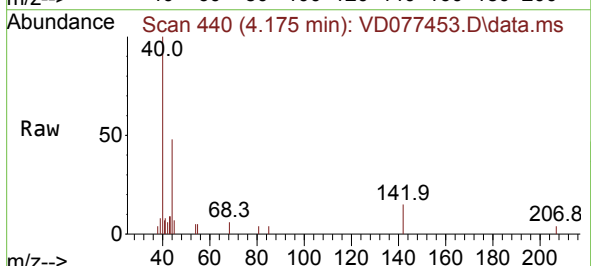
Tgt Ion:142 Resp: 1017

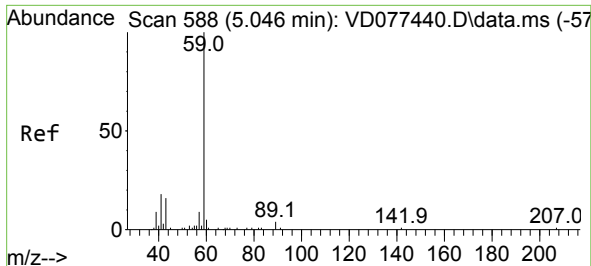
Ion Ratio Lower Upper

142 100

127 12.3 29.4 44.0#

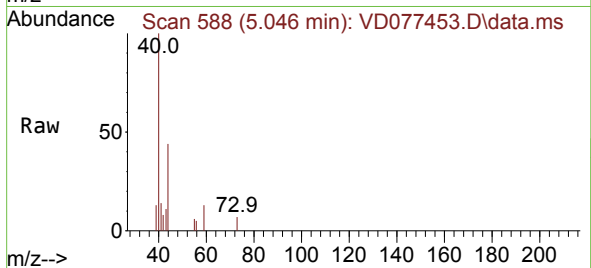
141 0.0 11.1 16.7#



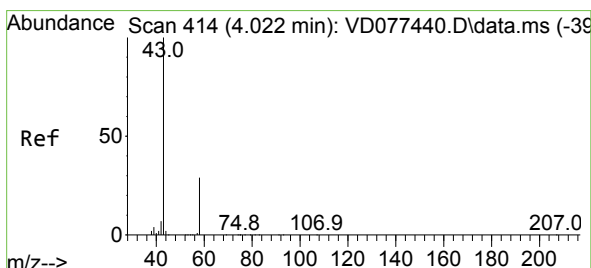
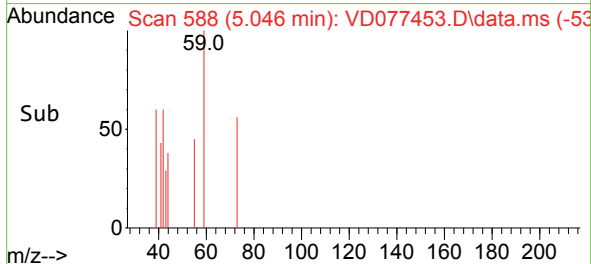
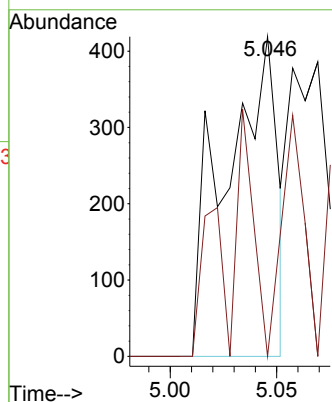


#11
Tert butyl alcohol
Concen: 2.105 ug/l
RT: 5.046 min Scan# 51
Delta R.T. -0.000 min
Lab File: VD077453.D
Acq: 31 Oct 2023 11:16

Instrument :
MSVOA_D
ClientSampleId :

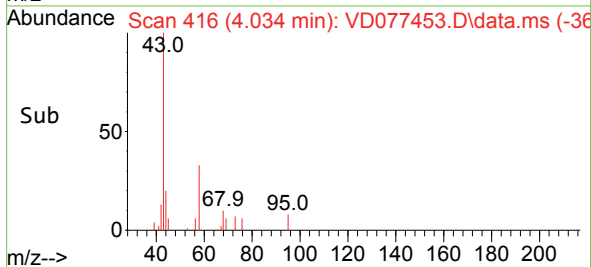
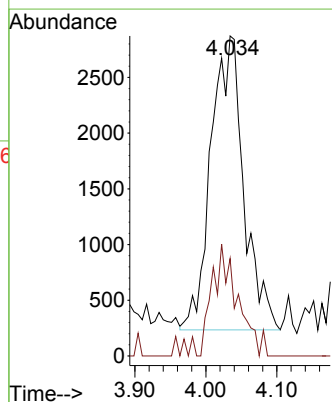
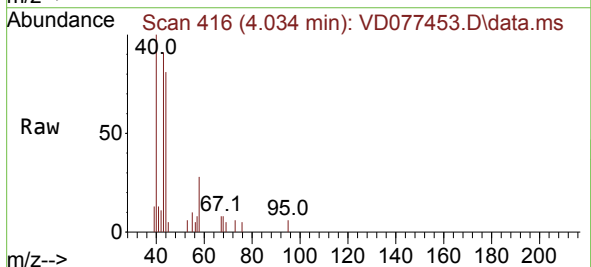


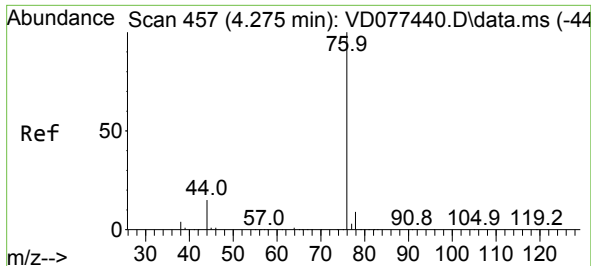
Tgt Ion: 59 Resp: 704
Ion Ratio Lower Upper
59 100
57 32.5 7.8 11.8#



#16
Acetone
Concen: 7.572 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD077453.D
Acq: 31 Oct 2023 11:16

Tgt Ion: 43 Resp: 8460
Ion Ratio Lower Upper
43 100
58 33.1 34.7 52.1#

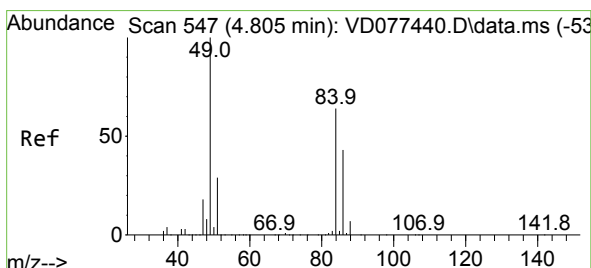
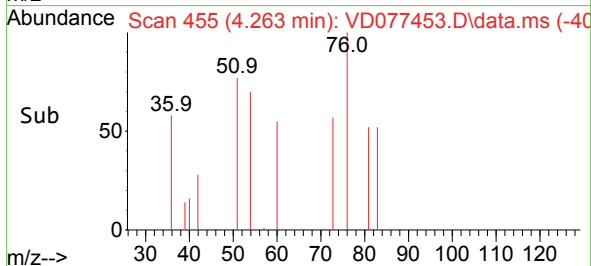
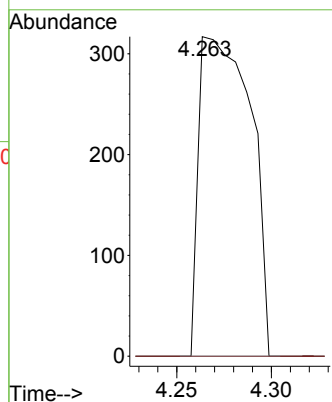
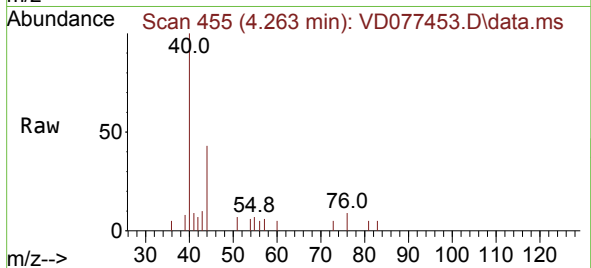




#17
Carbon Disulfide
Concen: 3.817 ug/l
RT: 4.263 min Scan# 41
Delta R.T. -0.012 min
Lab File: VD077453.D
Acq: 31 Oct 2023 11:16

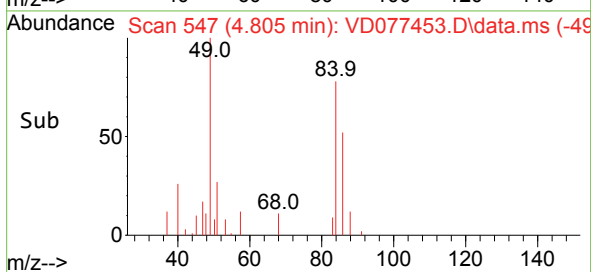
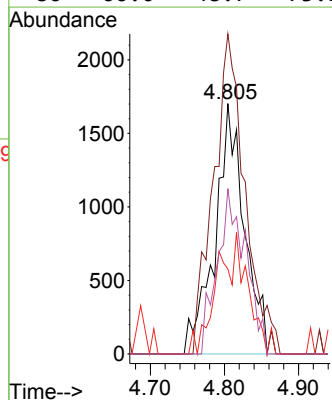
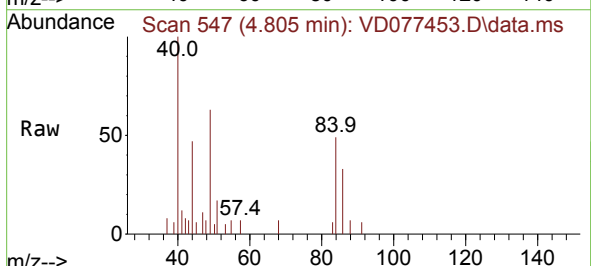
Instrument :
MSVOA_D
ClientSampleId :

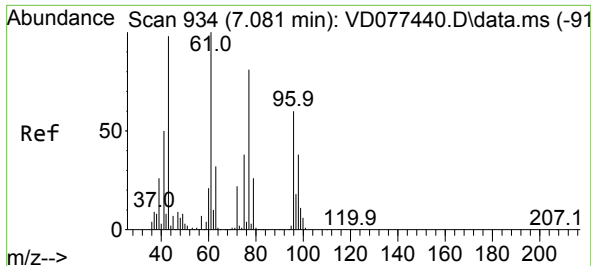
Tgt Ion: 76 Resp: 602
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077453.D
Acq: 31 Oct 2023 11:16

Tgt Ion: 84 Resp: 4739
Ion Ratio Lower Upper
84 100
49 127.8 71.4 107.2#
51 33.9 24.5 36.7
86 66.0 48.7 73.1





#25

2-Butanone

Concen: 5.233 ug/l

RT: 7.093 min Scan# 91

Delta R.T. 0.012 min

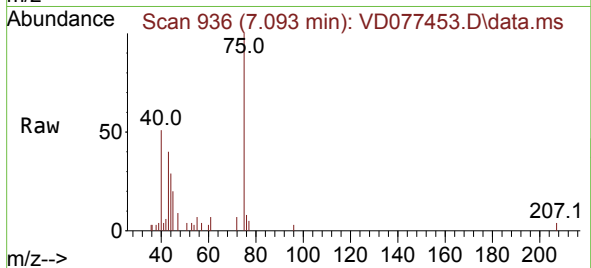
Lab File: VD077453.D

Acq: 31 Oct 2023 11:16

Instrument :

MSVOA_D

ClientSampleId :

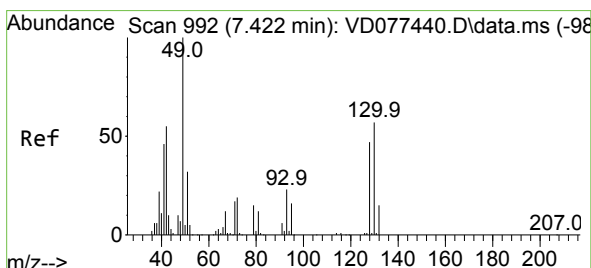
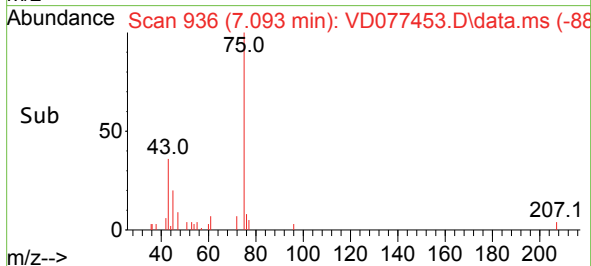
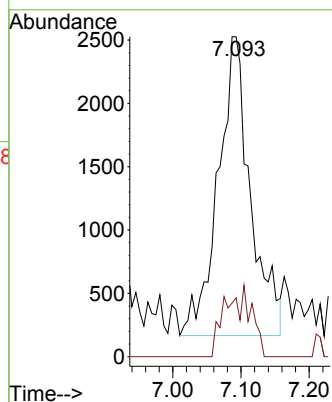


Tgt Ion: 43 Resp: 7798

Ion Ratio Lower Upper

43 100

72 19.7 30.7 46.1#



#28

Bromochloromethane

Concen: 2.122 ug/l

RT: 7.446 min Scan# 996

Delta R.T. 0.024 min

Lab File: VD077453.D

Acq: 31 Oct 2023 11:16

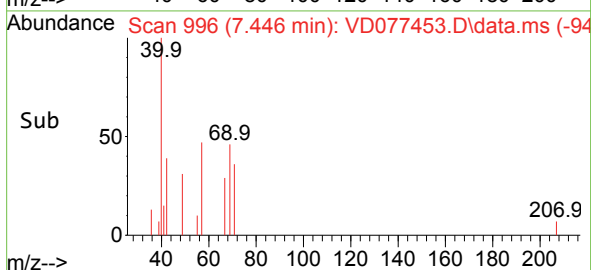
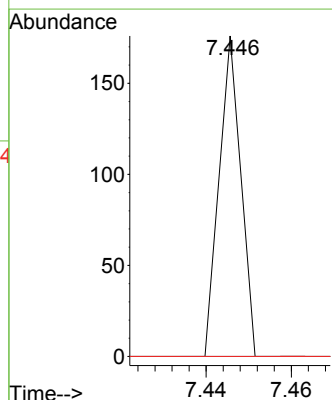
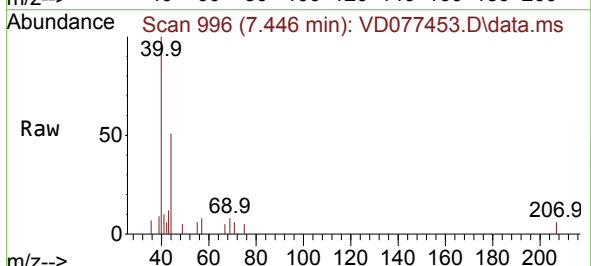
Tgt Ion: 49 Resp: 62

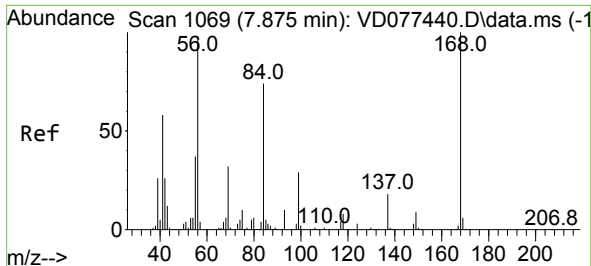
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

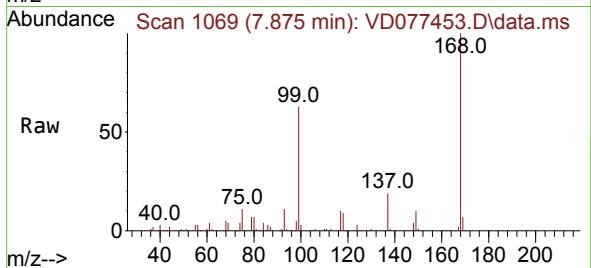
130 0.0 83.2 124.8#



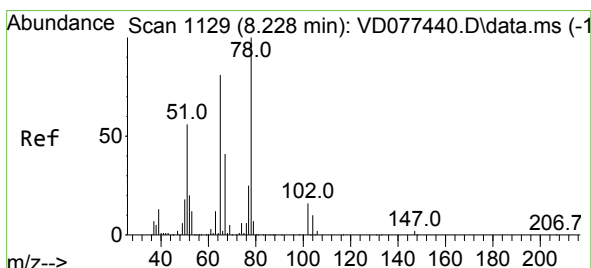
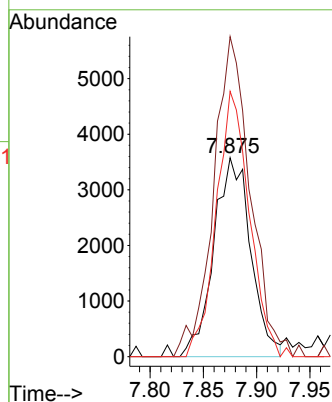
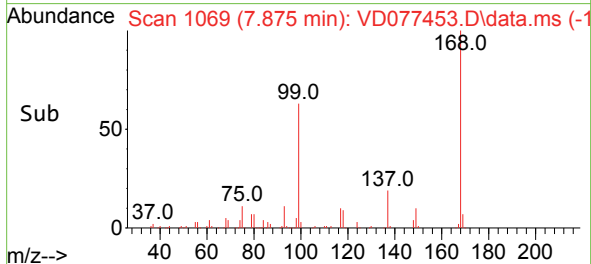


#31
Cyclohexane
Concen: 1.303 ug/l
RT: 7.875 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VD077453.D
Acq: 31 Oct 2023 11:16

Instrument :
MSVOA_D
ClientSampleId :

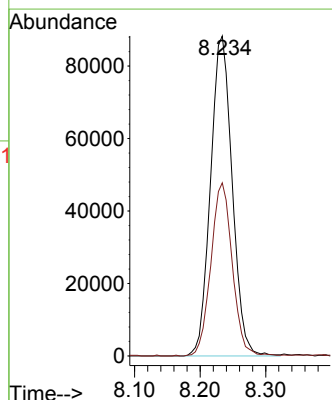
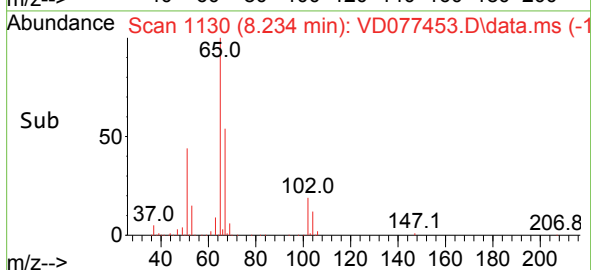
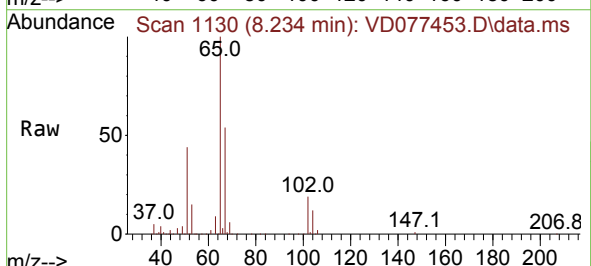


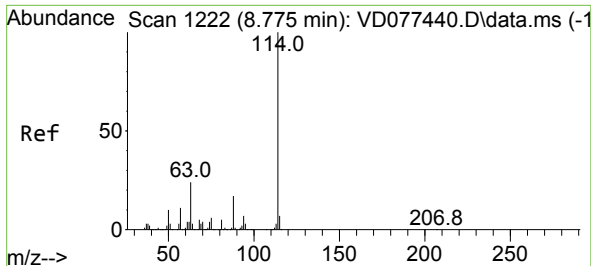
Tgt Ion: 56 Resp: 8602
Ion Ratio Lower Upper
56 100
69 154.1 28.6 43.0#
84 133.4 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 47.934 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077453.D
Acq: 31 Oct 2023 11:16

Tgt Ion: 65 Resp: 202387
Ion Ratio Lower Upper
65 100
67 53.4 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077453.D

Acq: 31 Oct 2023 11:16

Instrument :

MSVOA_D

ClientSampleId :

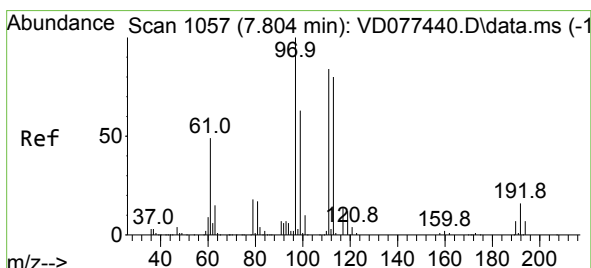
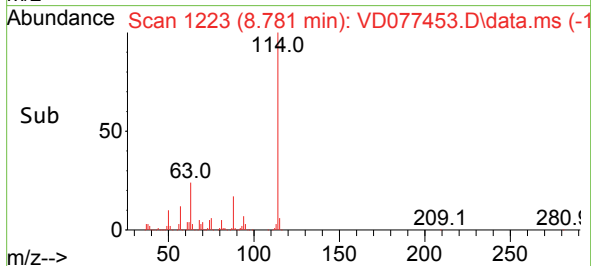
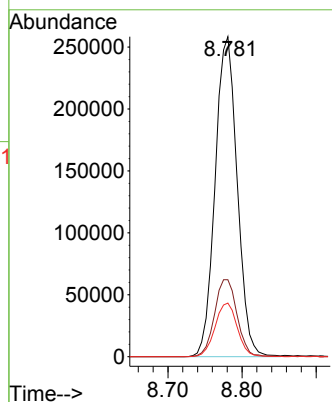
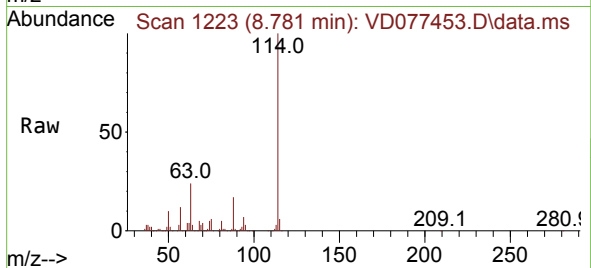
Tgt Ion:114 Resp: 533784

Ion Ratio Lower Upper

114 100

63 24.1 0.0 33.4

88 16.8 0.0 26.2



#35

Dibromofluoromethane

Concen: 48.309 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD077453.D

Acq: 31 Oct 2023 11:16

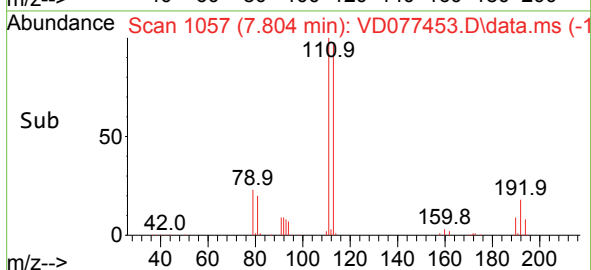
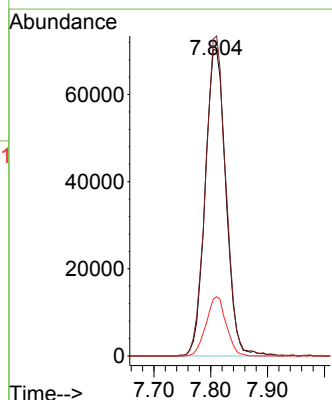
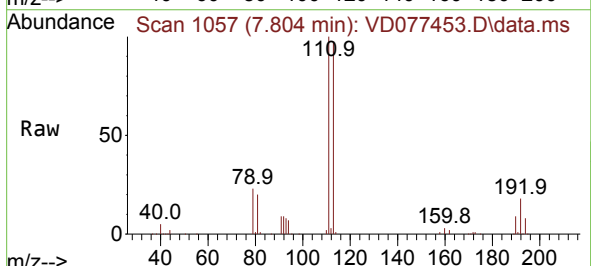
Tgt Ion:113 Resp: 178226

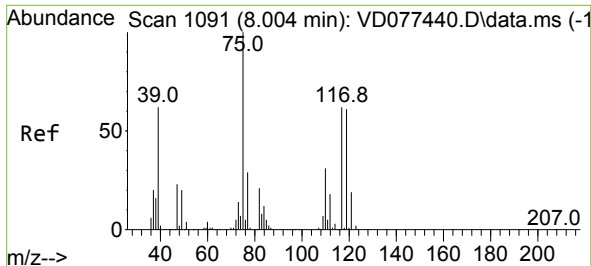
Ion Ratio Lower Upper

113 100

111 102.8 84.7 127.1

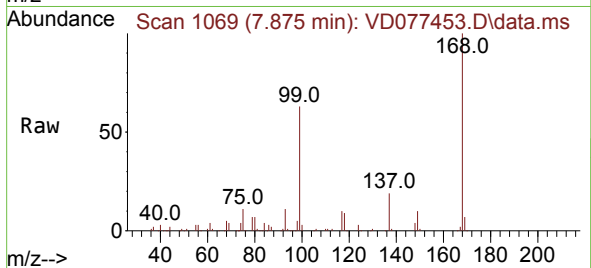
192 18.6 16.8 25.2



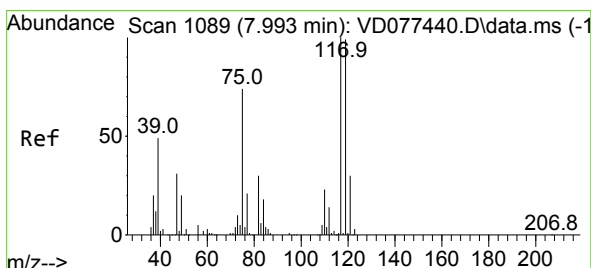
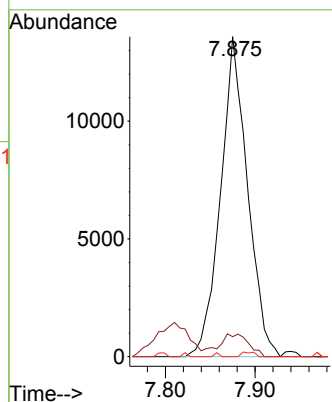
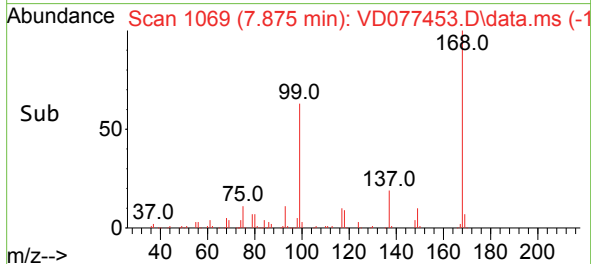


#36
1,1-Dichloropropene
Concen: 5.178 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077453.D
Acq: 31 Oct 2023 11:16

Instrument :
MSVOA_D
ClientSampleId :

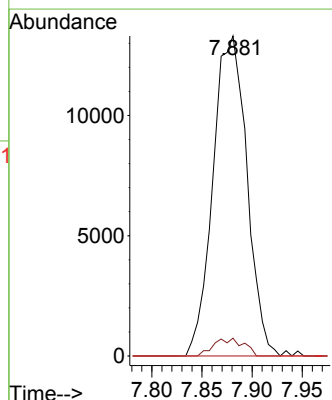
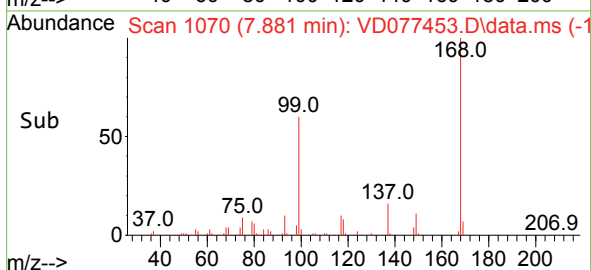
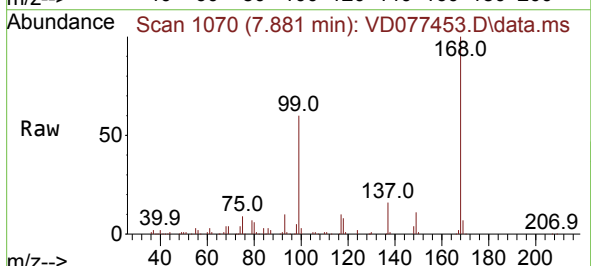


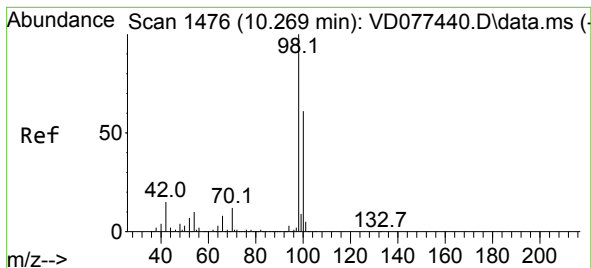
Tgt Ion: 75 Resp: 28322
Ion Ratio Lower Upper
75 100
110 7.5 19.9 59.6#
77 0.7 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.065 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD077453.D
Acq: 31 Oct 2023 11:16

Tgt Ion: 117 Resp: 31260
Ion Ratio Lower Upper
117 100
119 5.5 78.0 117.0#
121 0.0 24.2 36.2#

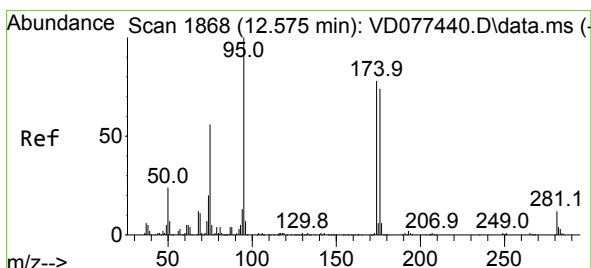
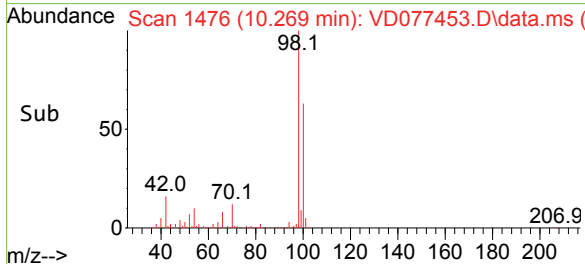
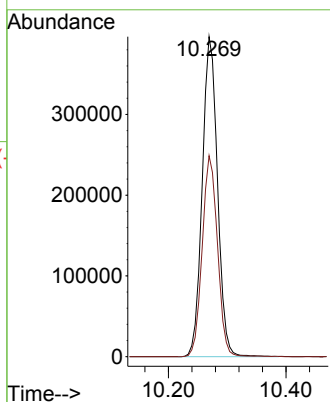
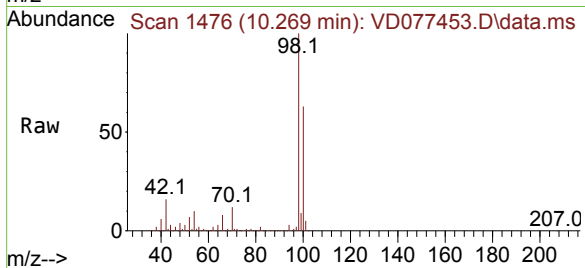




#50
Toluene-d8
Concen: 49.849 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077453.D
Acq: 31 Oct 2023 11:16

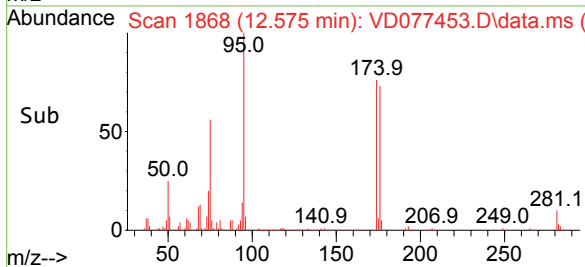
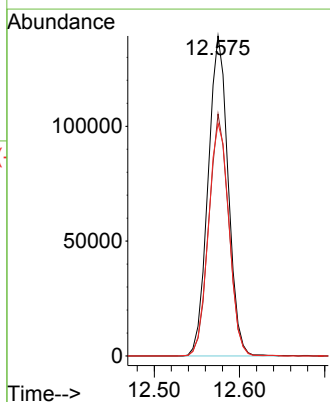
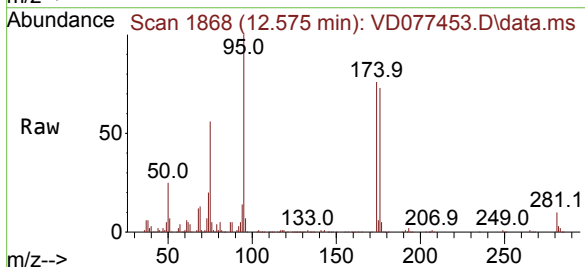
Instrument :
MSVOA_D
ClientSampleId :

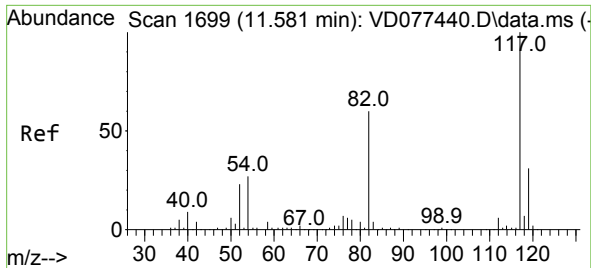
Tgt Ion: 98 Resp: 714344
Ion Ratio Lower Upper
98 100
100 62.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 47.142 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077453.D
Acq: 31 Oct 2023 11:16

Tgt Ion: 95 Resp: 227530
Ion Ratio Lower Upper
95 100
174 74.9 0.0 201.8
176 74.6 0.0 191.8

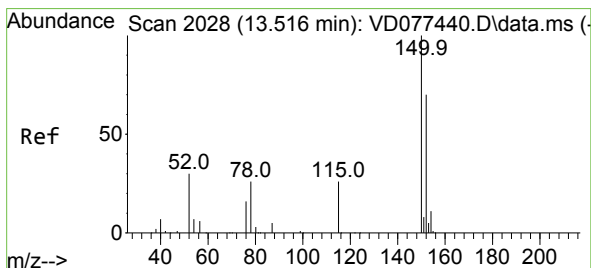
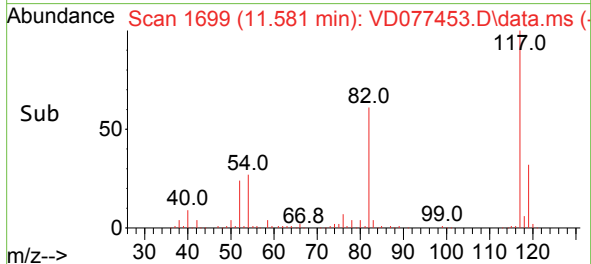
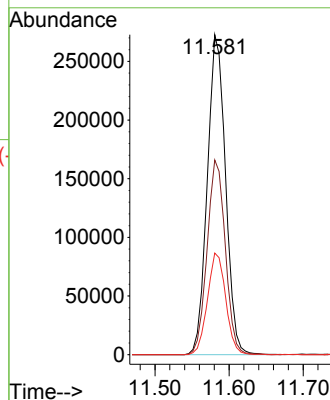
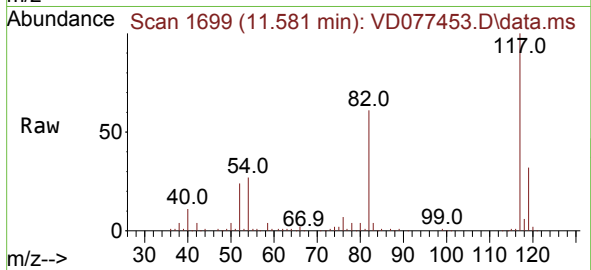




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077453.D
Acq: 31 Oct 2023 11:16

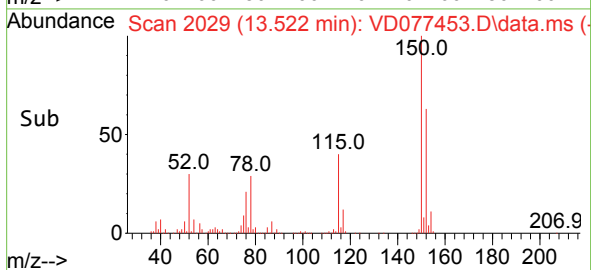
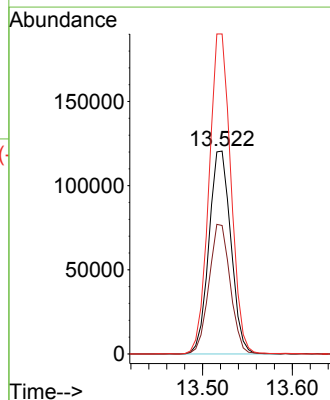
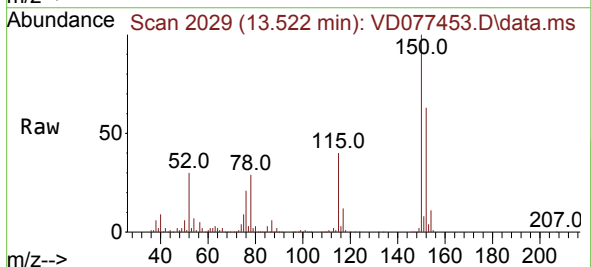
Instrument :
MSVOA_D
ClientSampleId :

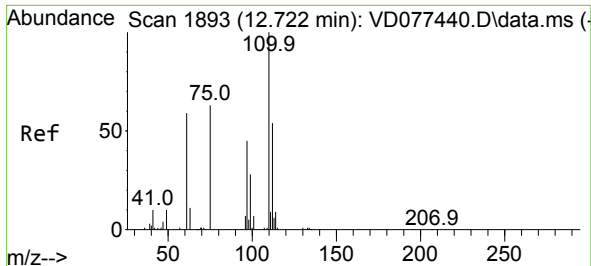
Tgt Ion:117 Resp: 466634
Ion Ratio Lower Upper
117 100
82 60.8 38.3 57.5#
119 31.8 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077453.D
Acq: 31 Oct 2023 11:16

Tgt Ion:152 Resp: 204400
Ion Ratio Lower Upper
152 100
115 62.1 27.1 81.3
150 156.9 0.0 353.6

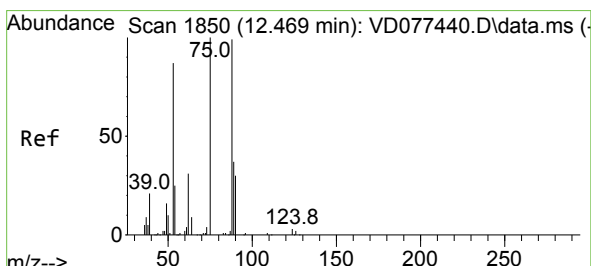
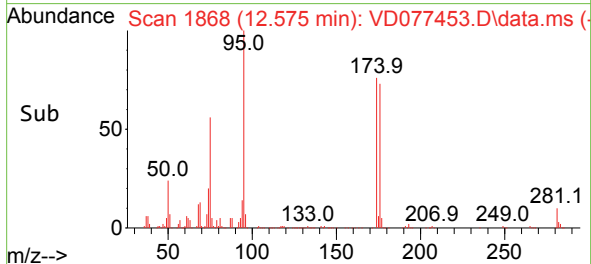
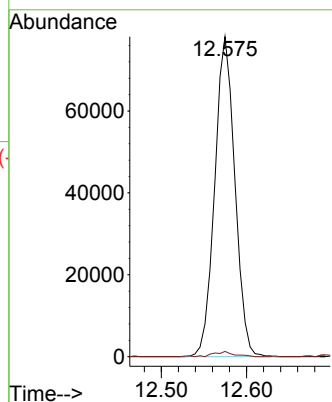
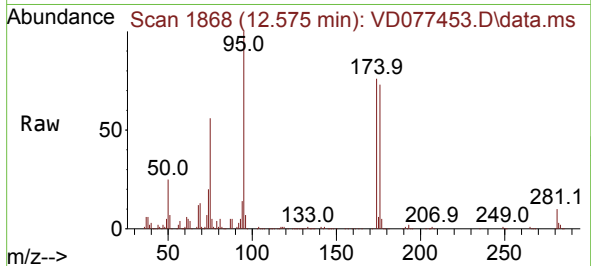




#76
1,2,3-Trichloropropane
Concen: 51.604 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077453.D
Acq: 31 Oct 2023 11:16

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 128378
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.680 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077453.D
Acq: 31 Oct 2023 11:16

Tgt Ion: 75 Resp: 128378
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

