

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077970.D
 Acq On : 19 Dec 2023 13:31
 Operator : RP/MD
 Sample : 05910-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 02:03:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

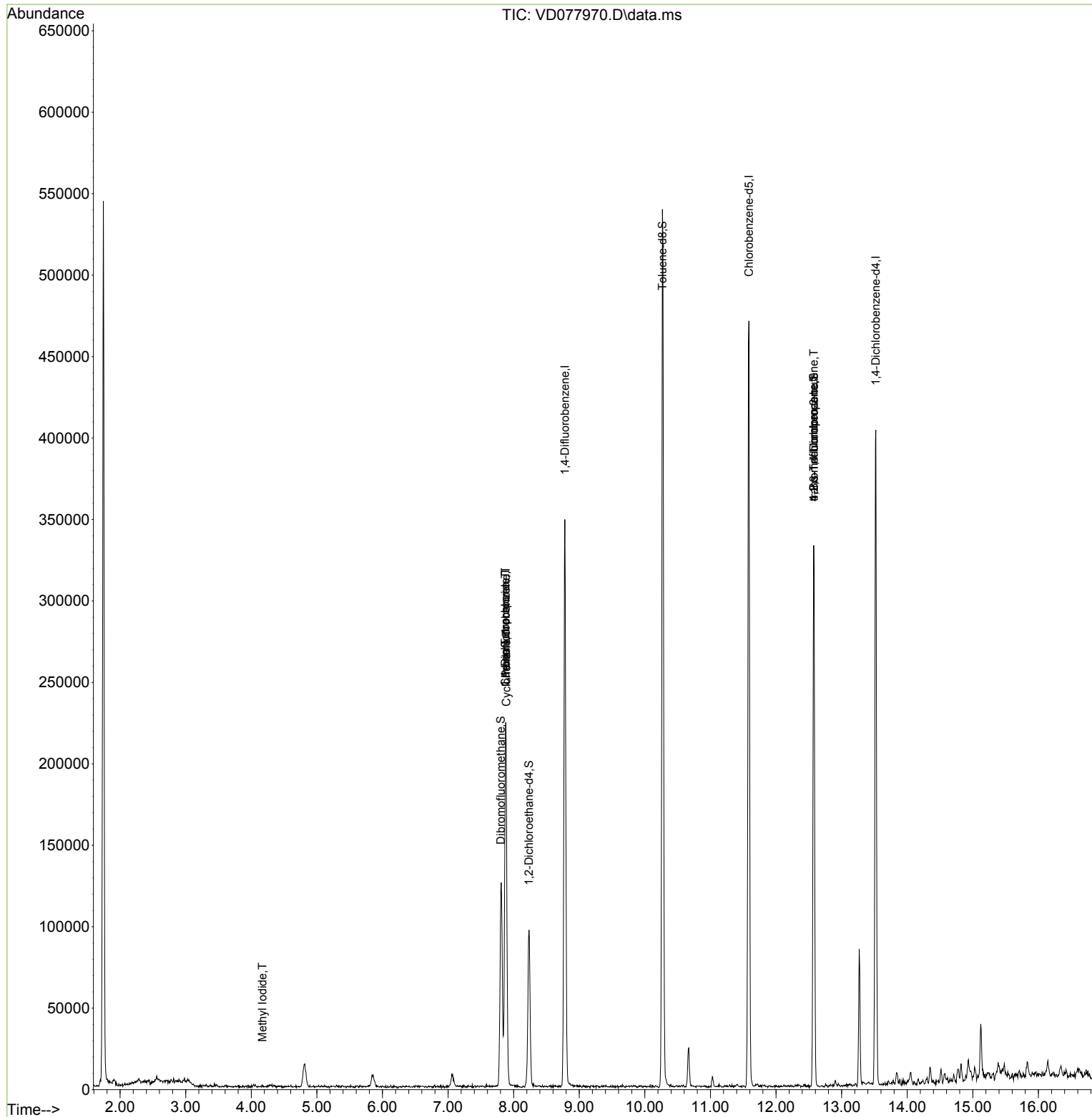
Internal Standards						
1) Pentafluorobenzene	7.881	168	177695	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	307731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	273141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	108758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	78248	37.370	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	74.740%
35) Dibromofluoromethane	7.804	113	92445	42.887	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.780%
50) Toluene-d8	10.269	98	381070	44.140	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.280%
62) 4-Bromofluorobenzene	12.575	95	101637	39.377	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.760%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.169	142	54	6.766	ug/l	# 46
11) Tert butyl alcohol	4.981	59	77	Below Cal	#	73
16) Acetone	4.034	43	990	Below Cal	#	76
20) Methylene Chloride	4.805	84	11163	Below Cal		87
25) 2-Butanone	7.075	43	285	Below Cal	#	37
31) Cyclohexane	7.887	56	3920	1.053	ug/l	# 47
36) 1,1-Dichloropropene	7.875	75	14659	4.252	ug/l	# 49
38) Carbon Tetrachloride	7.875	117	17116	4.979	ug/l	# 19
65) Chlorobenzene	11.604	112	175	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	51892	54.937	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	51892	111.307	ug/l	# 17
88) 1,4-Dichlorobenzene	13.539	146	311	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.398	75	76	Below Cal	#	1

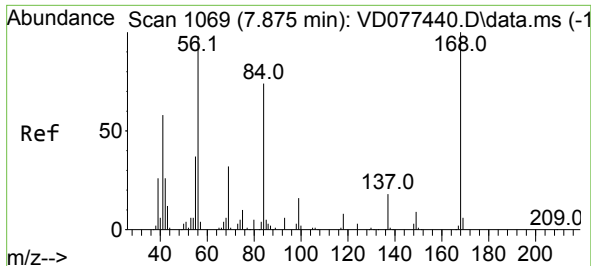
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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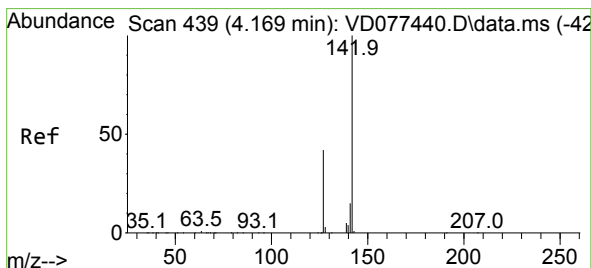
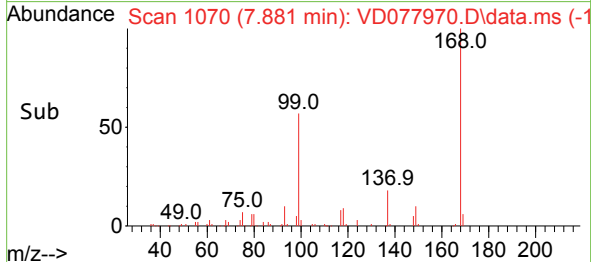
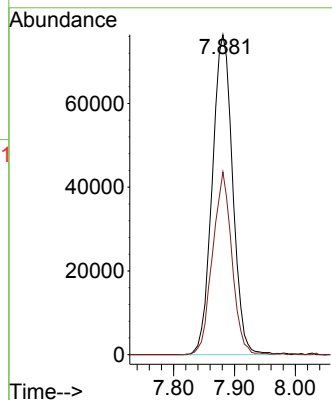
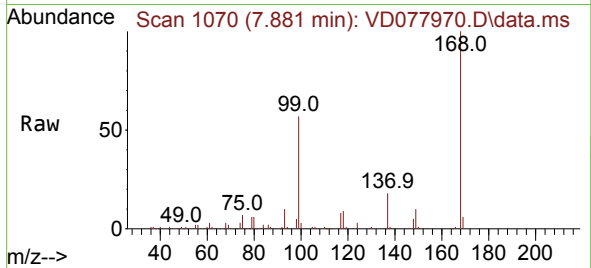




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077970.D
Acq: 19 Dec 2023 13:31

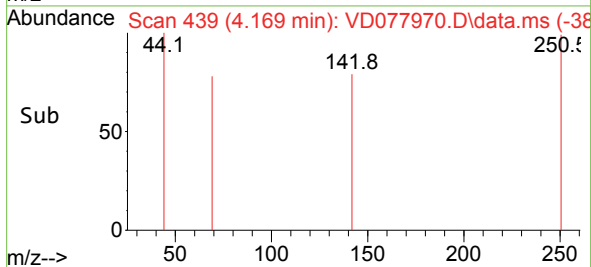
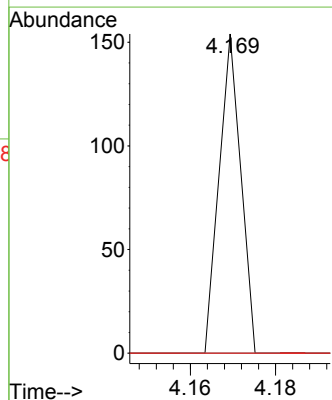
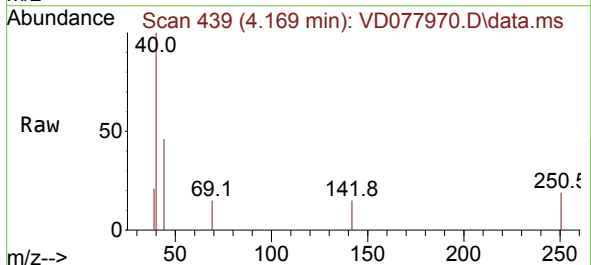
Instrument :
MSVOA_D
ClientSampleId :

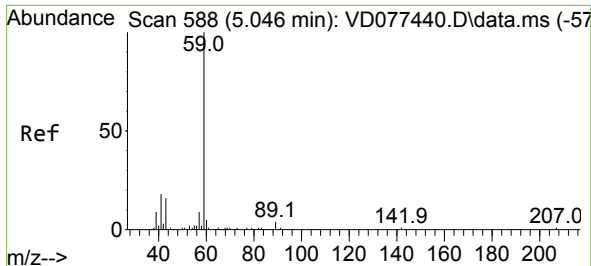
Tgt Ion:168 Resp: 177695
Ion Ratio Lower Upper
168 100
99 57.1 36.7 55.1#



#10
Methyl Iodide
Concen: 6.766 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.000 min
Lab File: VD077970.D
Acq: 19 Dec 2023 13:31

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: Below Cal

RT: 4.981 min Scan# 51

Delta R.T. -0.065 min

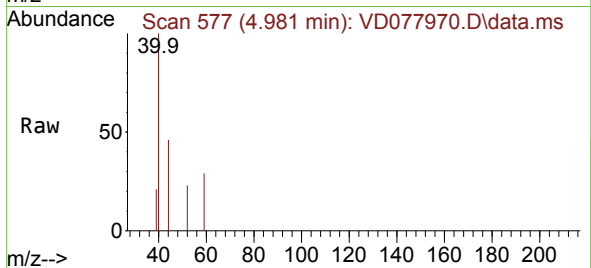
Lab File: VD077970.D

Acq: 19 Dec 2023 13:31

Instrument :

MSVOA_D

ClientSampleId :

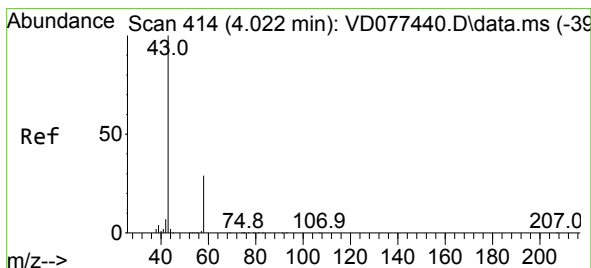
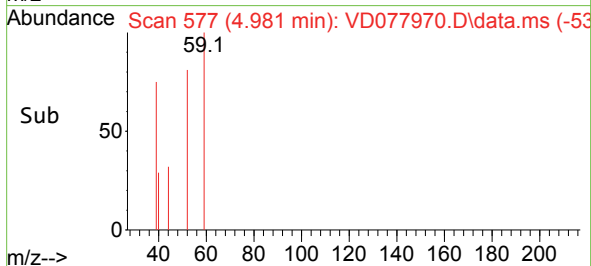
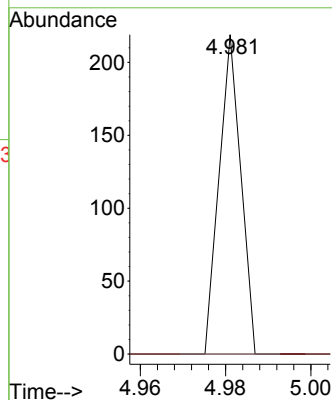


Tgt Ion: 59 Resp: 77

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: Below Cal

RT: 4.034 min Scan# 416

Delta R.T. 0.012 min

Lab File: VD077970.D

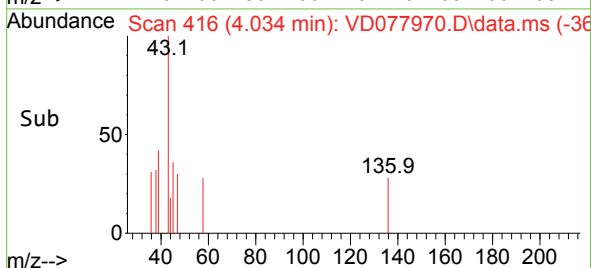
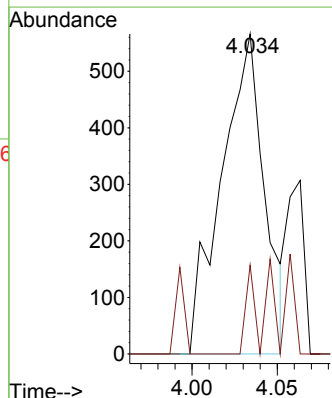
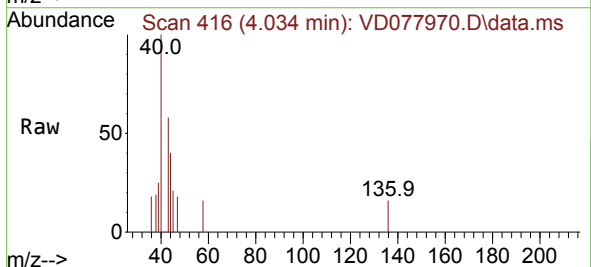
Acq: 19 Dec 2023 13:31

Tgt Ion: 43 Resp: 990

Ion Ratio Lower Upper

43 100

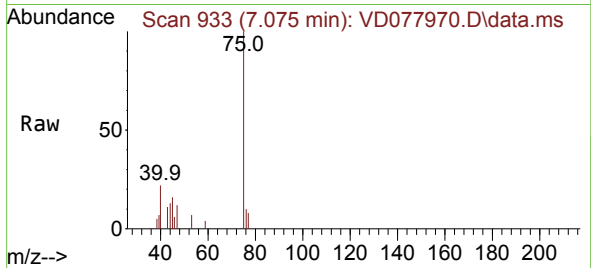
58 27.7 34.7 52.1#



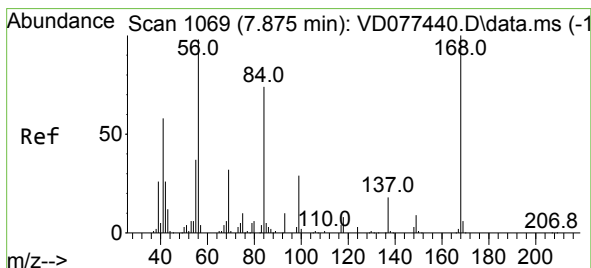
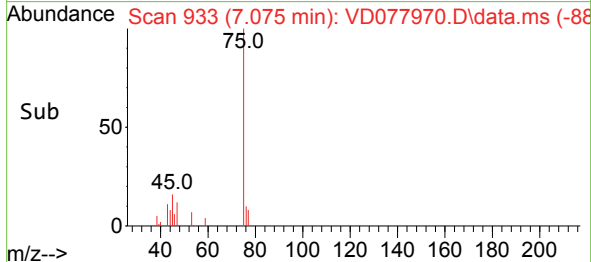
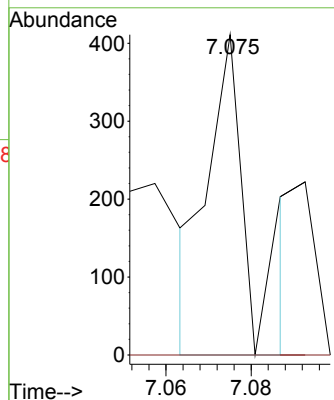


#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077970.D
Acq: 19 Dec 2023 13:31

Instrument :
MSVOA_D
ClientSampleId :

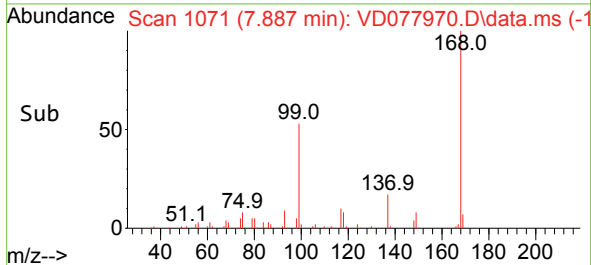
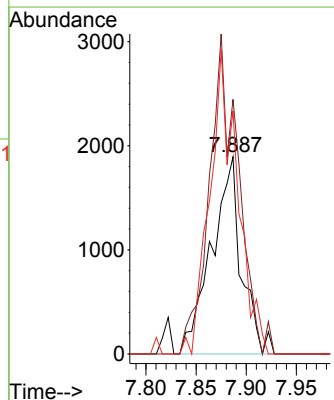
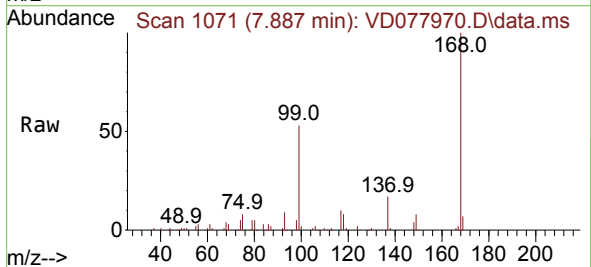


Tgt Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.053 ug/l
RT: 7.887 min Scan# 1071
Delta R.T. 0.012 min
Lab File: VD077970.D
Acq: 19 Dec 2023 13:31

Tgt Ion: 56 Resp: 3920
Ion Ratio Lower Upper
56 100
69 129.1 28.6 43.0#
84 123.3 84.8 127.2

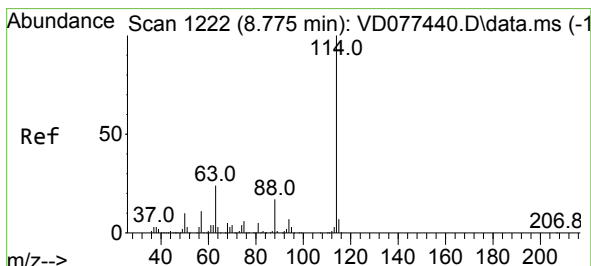
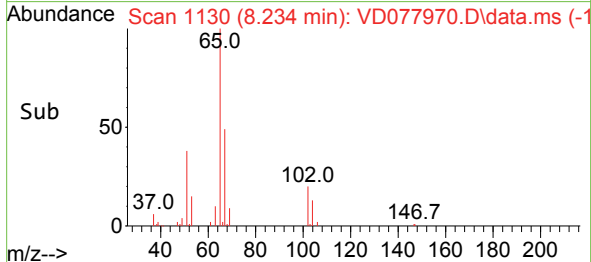
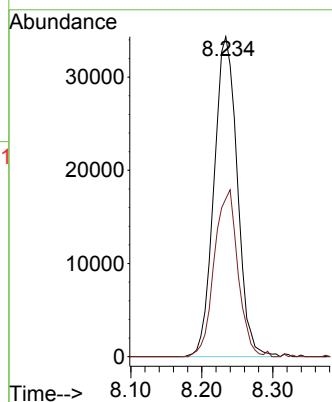
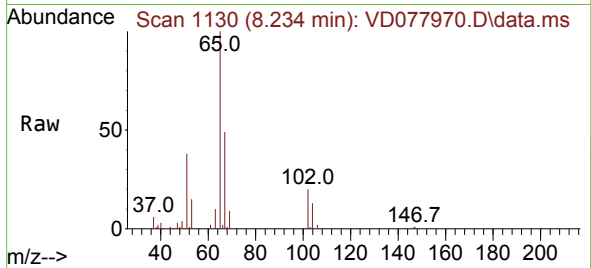




#33
 1,2-Dichloroethane-d4
 Concen: 37.370 ug/l
 RT: 8.234 min Scan# 1129
 Delta R.T. 0.006 min
 Lab File: VD077970.D
 Acq: 19 Dec 2023 13:31

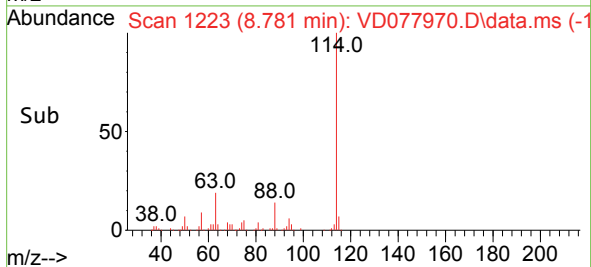
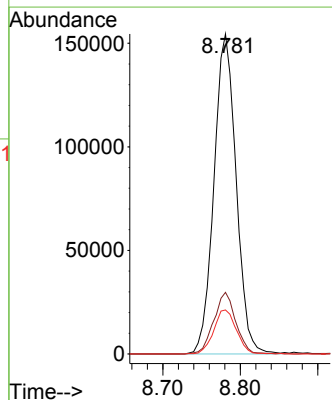
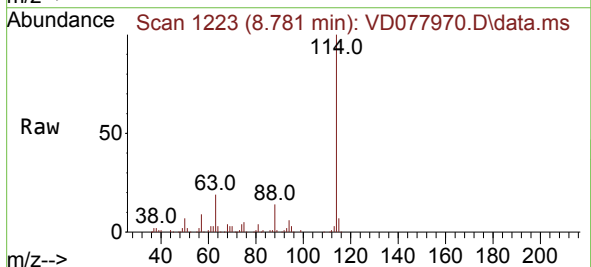
Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 65 Resp: 78248
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.006 min
 Lab File: VD077970.D
 Acq: 19 Dec 2023 13:31

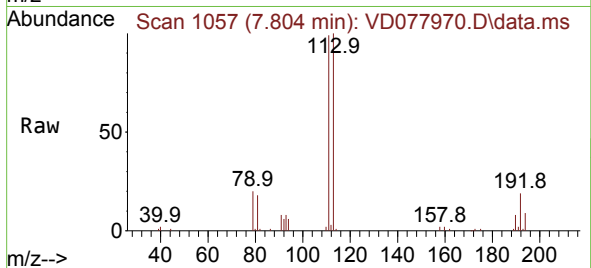
Tgt Ion: 114 Resp: 307731
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 33.4
 88 13.7 0.0 26.2



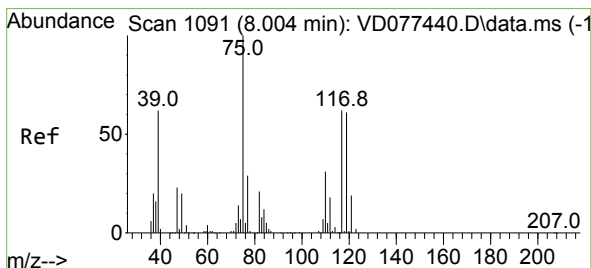
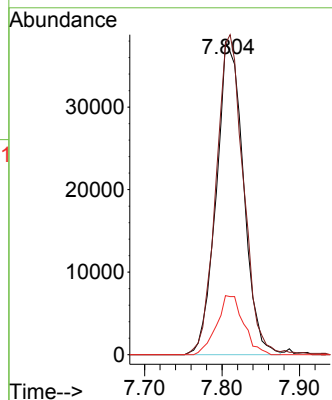
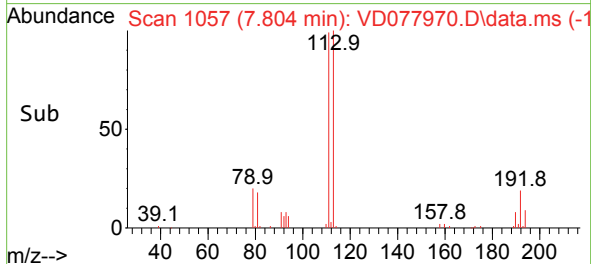


#35
Dibromofluoromethane
Concen: 42.887 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077970.D
Acq: 19 Dec 2023 13:31

Instrument :
MSVOA_D
ClientSampleId :

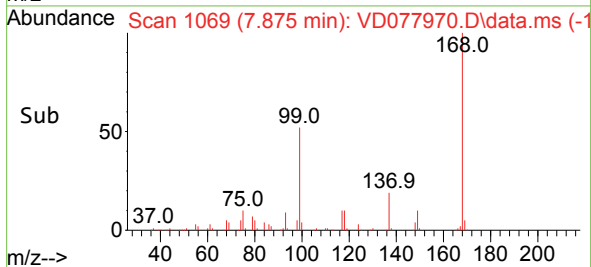
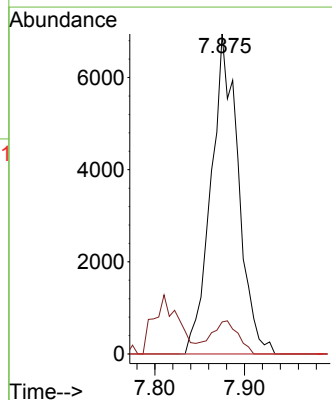
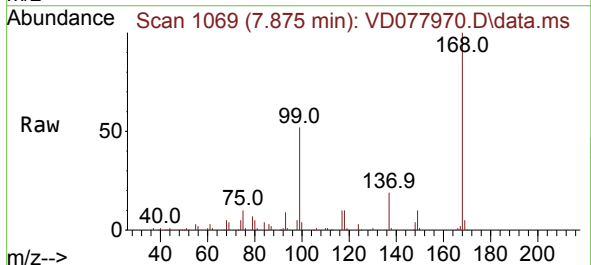


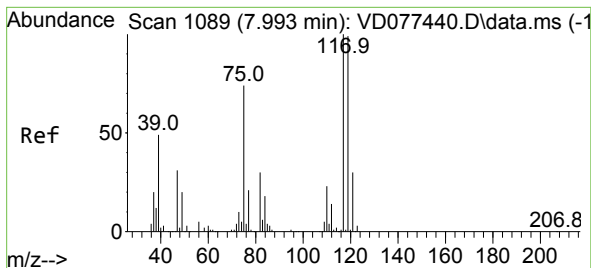
Tgt Ion:113 Resp: 92445
Ion Ratio Lower Upper
113 100
111 103.5 84.7 127.1
192 18.7 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.252 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077970.D
Acq: 19 Dec 2023 13:31

Tgt Ion: 75 Resp: 14659
Ion Ratio Lower Upper
75 100
110 10.4 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.979 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

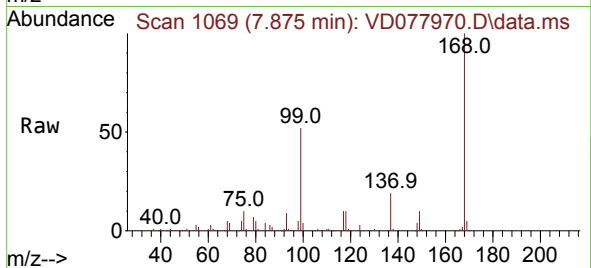
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Acq: 19 Dec 2023 13:31

Instrument :

MSVOA_D

ClientSampleId :



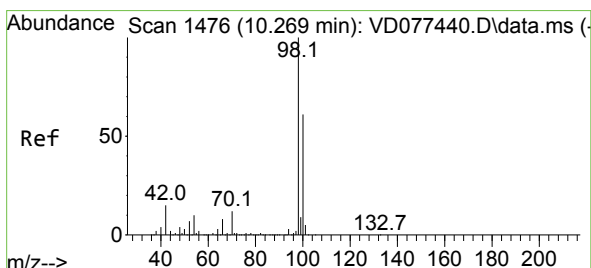
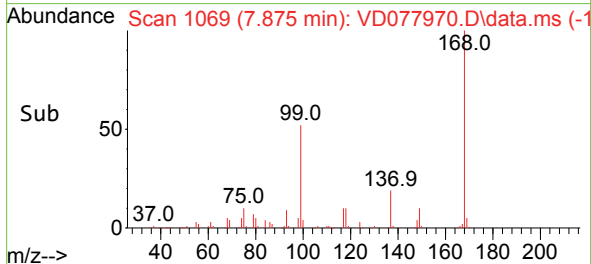
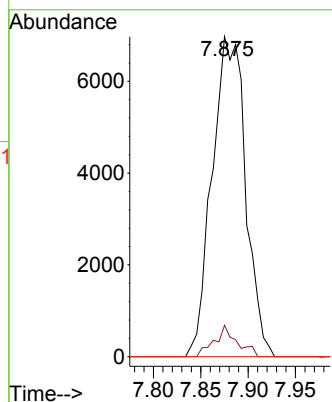
Tgt Ion:117 Resp: 17116

Ion Ratio Lower Upper

117 100

119 9.8 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 44.140 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD077970.D

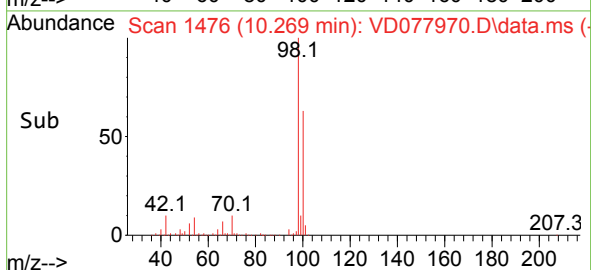
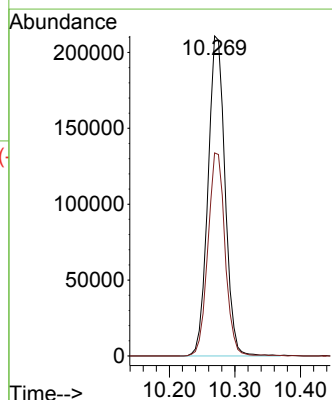
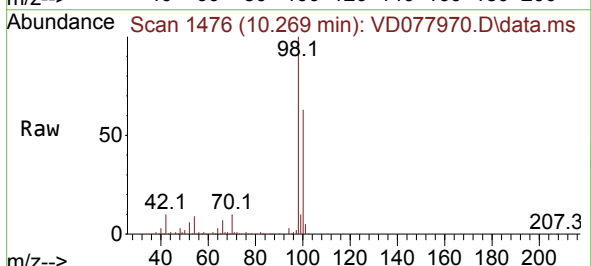
Acq: 19 Dec 2023 13:31

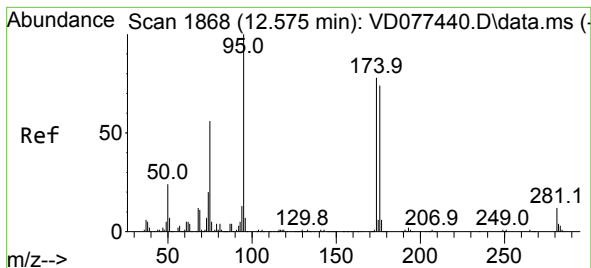
Tgt Ion: 98 Resp: 381070

Ion Ratio Lower Upper

98 100

100 63.7 50.3 75.5

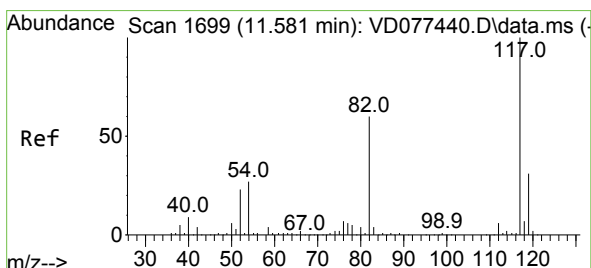
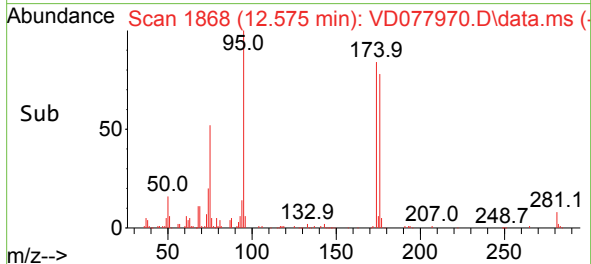
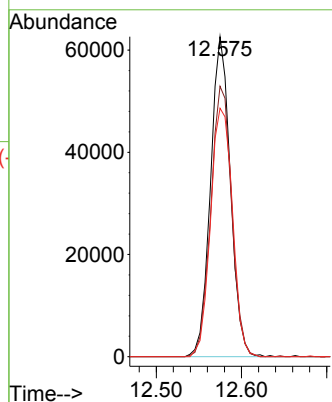
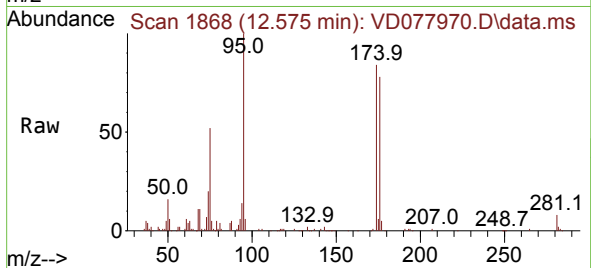




#62
4-Bromofluorobenzene
Concen: 39.377 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077970.D
Acq: 19 Dec 2023 13:31

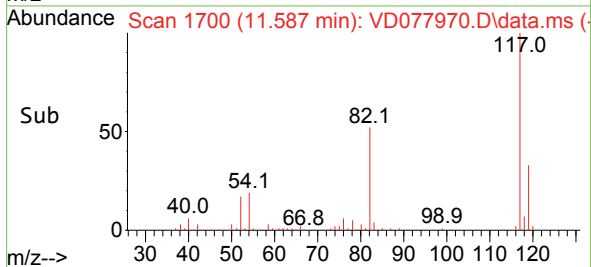
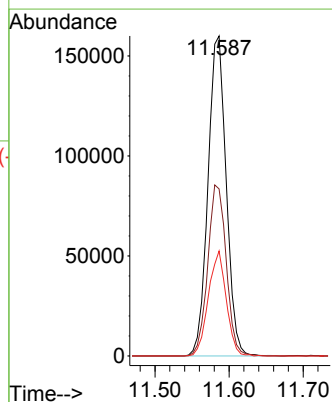
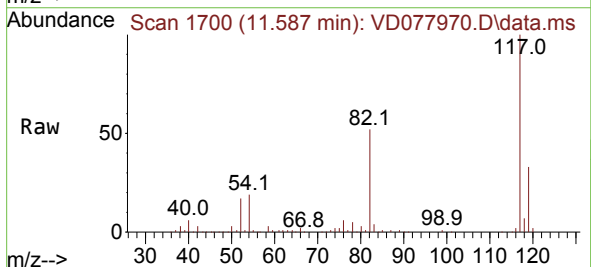
Instrument :
MSVOA_D
ClientSampleId :

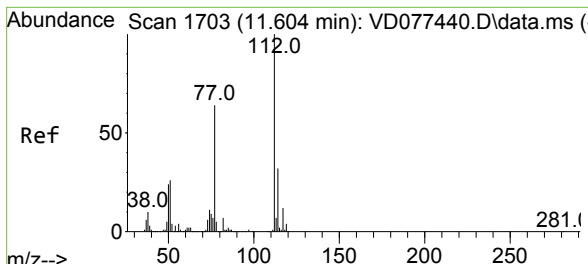
Tgt Ion: 95 Resp: 101637
Ion Ratio Lower Upper
95 100
174 88.8 0.0 201.8
176 85.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD077970.D
Acq: 19 Dec 2023 13:31

Tgt Ion: 117 Resp: 273141
Ion Ratio Lower Upper
117 100
82 52.2 38.3 57.5
119 32.8 25.0 37.4

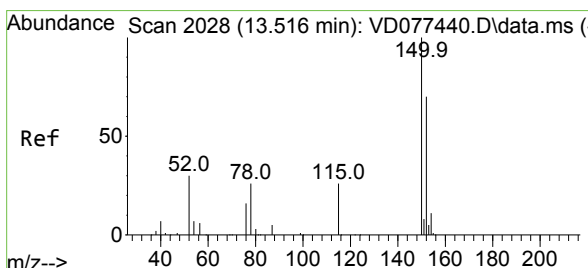
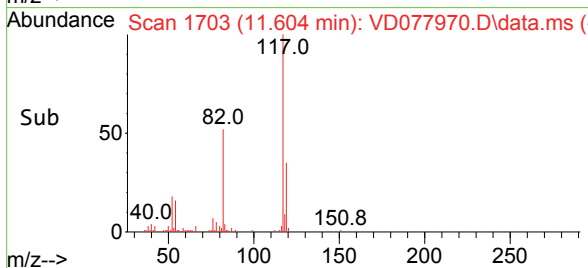
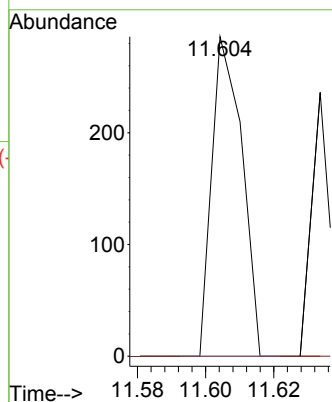
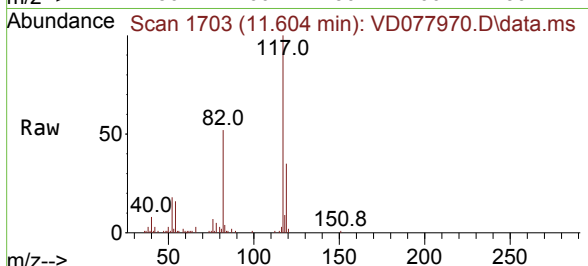




#65
Chlorobenzene
Concen: Below Cal
RT: 11.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077970.D
Acq: 19 Dec 2023 13:31

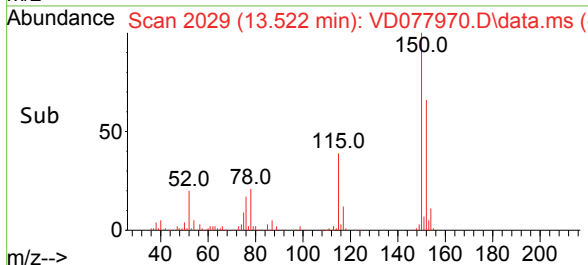
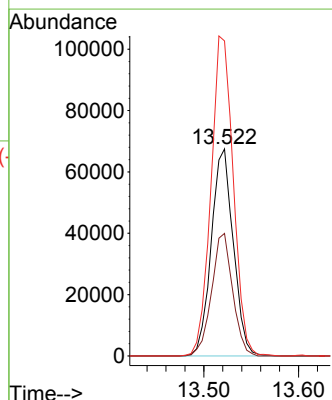
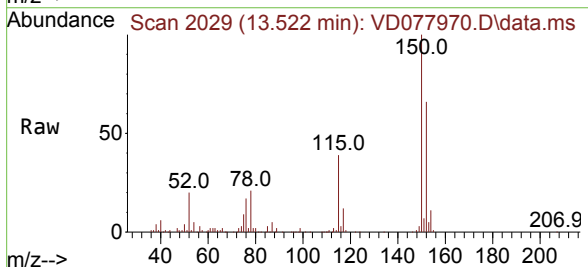
Instrument :
MSVOA_D
ClientSampleId :

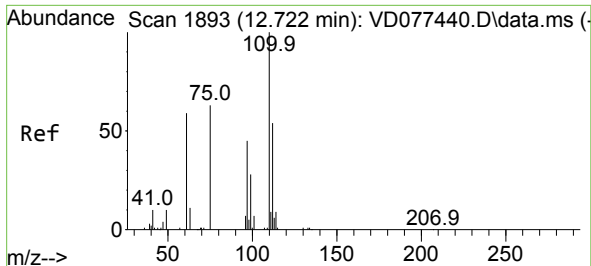
Tgt Ion:112 Resp: 175
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077970.D
Acq: 19 Dec 2023 13:31

Tgt Ion:152 Resp: 108758
Ion Ratio Lower Upper
152 100
115 56.8 27.1 81.3
150 156.7 0.0 353.6

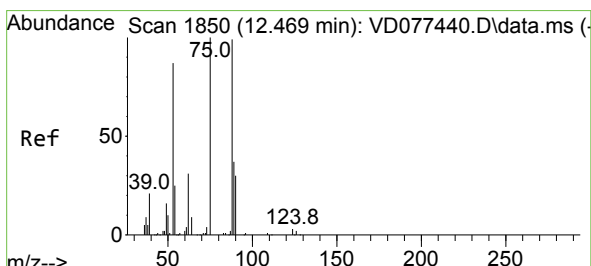
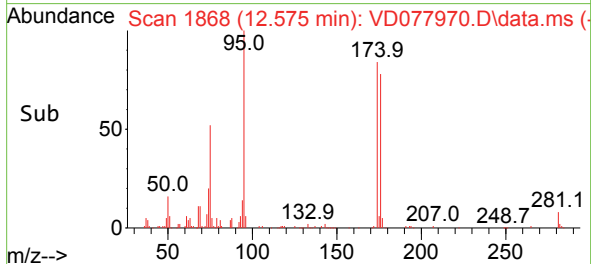
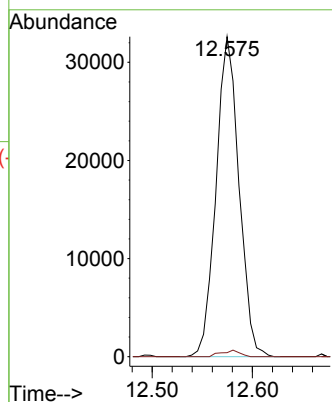
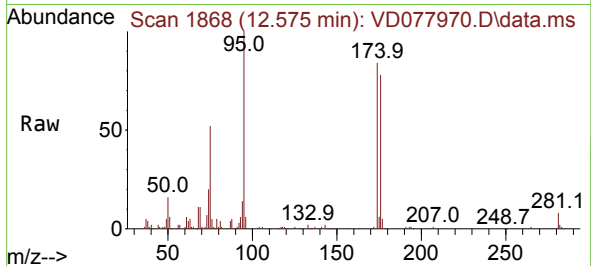




#76
1,2,3-Trichloropropane
Concen: 54.937 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077970.D
Acq: 19 Dec 2023 13:31

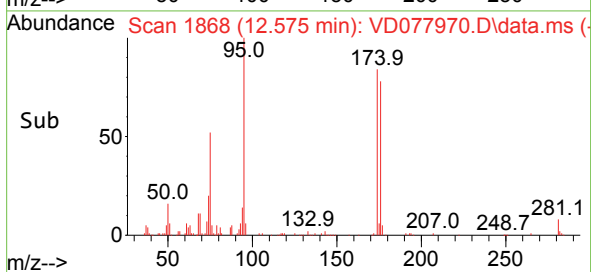
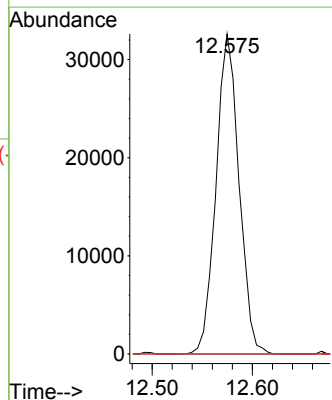
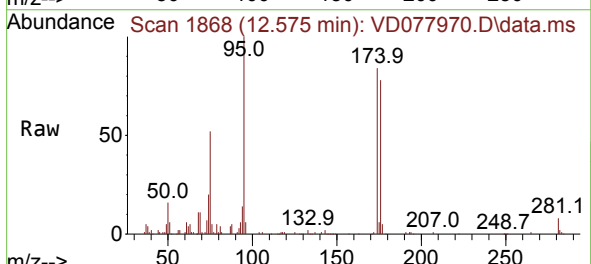
Instrument :
MSVOA_D
ClientSampleId :

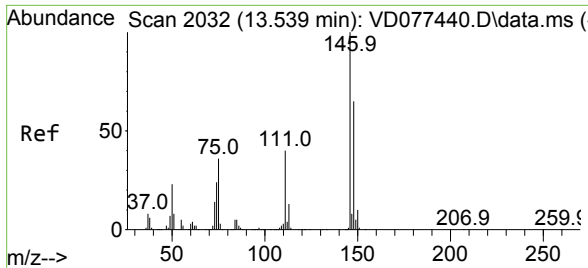
Tgt Ion: 75 Resp: 51892
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.307 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077970.D
Acq: 19 Dec 2023 13:31

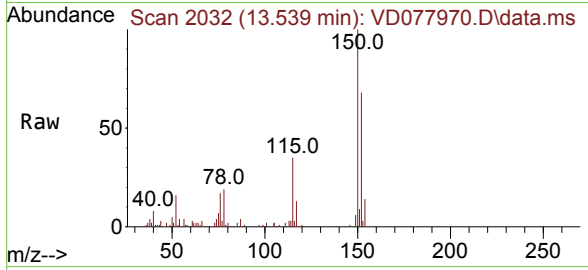
Tgt Ion: 75 Resp: 51892
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.539 min Scan# 2032
 Delta R.T. 0.000 min
 Lab File: VD077970.D
 Acq: 19 Dec 2023 13:31

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	311
Ion	Ratio	Lower	Upper
146	100		
111	0.0	17.4	52.3#
148	0.0	31.7	95.1#

