

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077972.D
 Acq On : 19 Dec 2023 14:25
 Operator : RP/MD
 Sample : 05884-04
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 02:04:38 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)

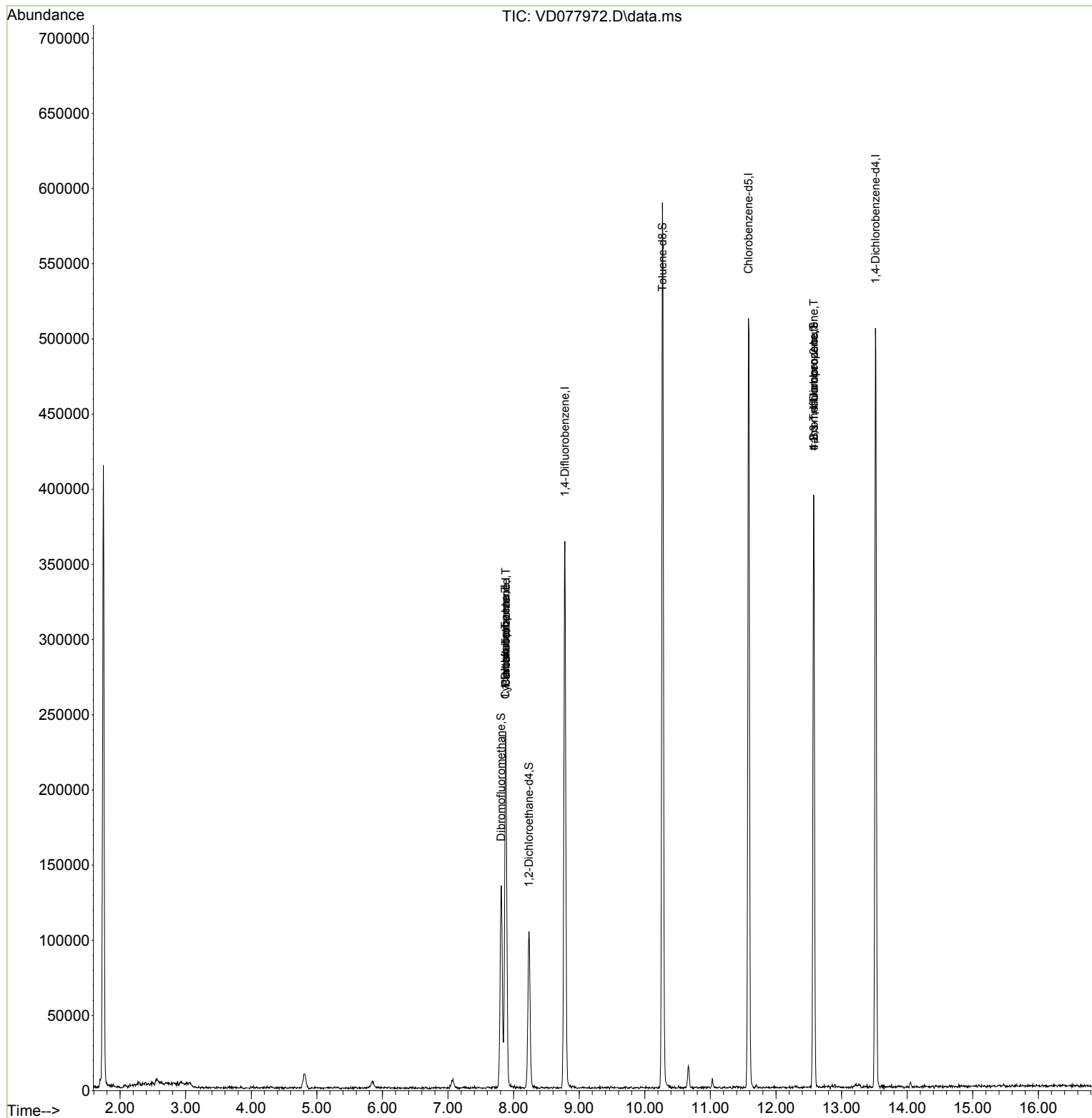
Internal Standards						
1) Pentafluorobenzene	7.881	168	183359	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	327615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	305928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	139429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	82161	38.027	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	76.060%		
35) Dibromofluoromethane	7.810	113	96392	42.004	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.000%		
50) Toluene-d8	10.269	98	414109	45.055	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.120%		
62) 4-Bromofluorobenzene	12.575	95	119300	43.415	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	86.820%		
Target Compounds						
11) Tert butyl alcohol	5.093	59	137	Below Cal	#	73
16) Acetone	4.028	43	235	Below Cal	#	32
20) Methylene Chloride	4.811	84	7345	Below Cal		94
25) 2-Butanone	7.093	43	292	Below Cal	#	37
31) Cyclohexane	7.875	56	4270	1.111	ug/l #	21
36) 1,1-Dichloropropene	7.875	75	14860	4.048	ug/l #	47
38) Carbon Tetrachloride	7.881	117	17571	4.802	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	62606	51.700	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	62606	104.748	ug/l #	17
88) 1,4-Dichlorobenzene	13.522	146	116	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.440	75	57	Below Cal	#	1

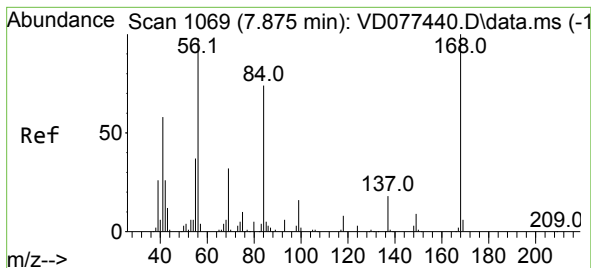
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
Data File : VD077972.D
Acq On : 19 Dec 2023 14:25
Operator : RP/MD
Sample : 05884-04
Misc : 5.05G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 20 02:04:38 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077972.D

Acq: 19 Dec 2023 14:25

Instrument :

MSVOA_D

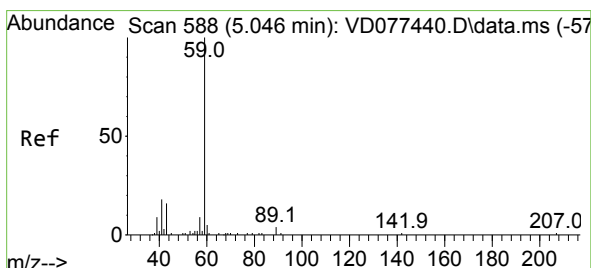
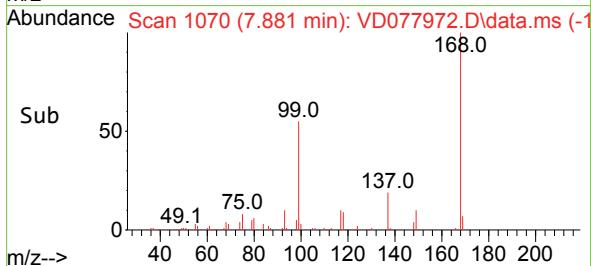
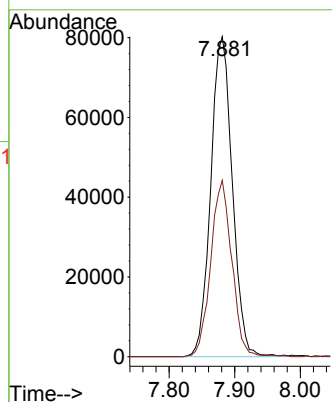
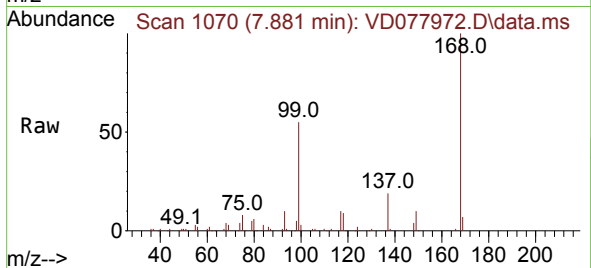
ClientSampleId :

Tgt Ion:168 Resp: 183359

Ion Ratio Lower Upper

168 100

99 55.1 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.093 min Scan# 596

Delta R.T. 0.047 min

Lab File: VD077972.D

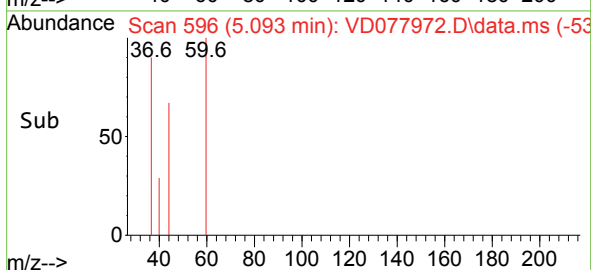
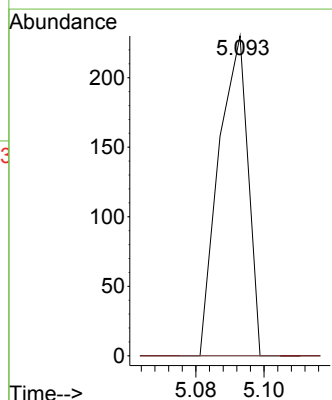
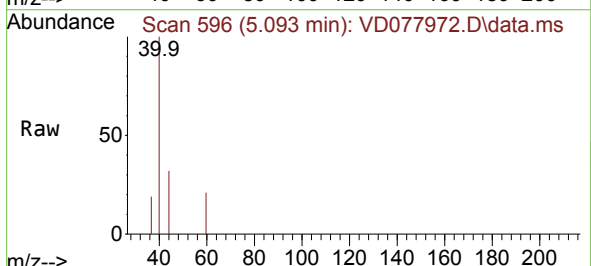
Acq: 19 Dec 2023 14:25

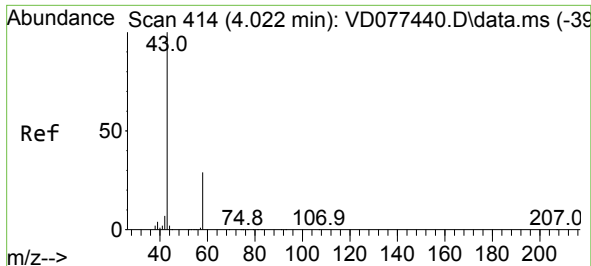
Tgt Ion: 59 Resp: 137

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

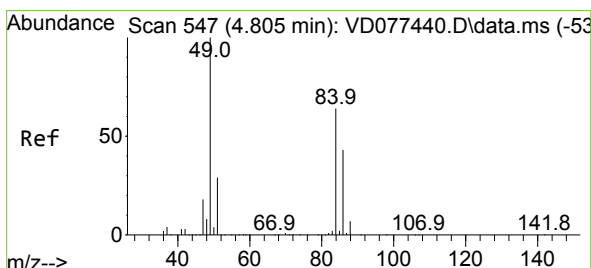
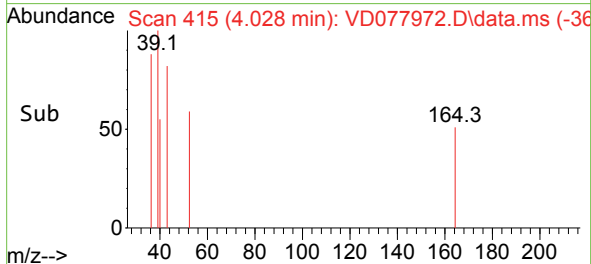
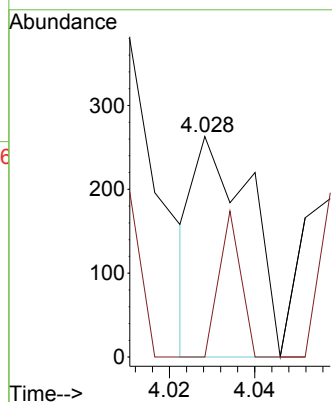
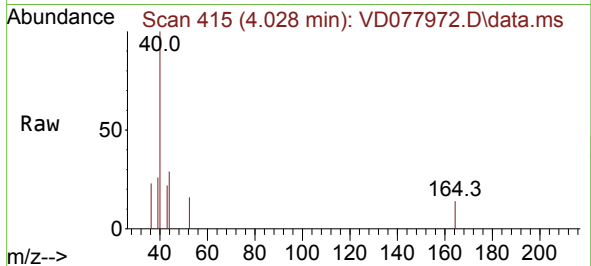




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077972.D
Acq: 19 Dec 2023 14:25

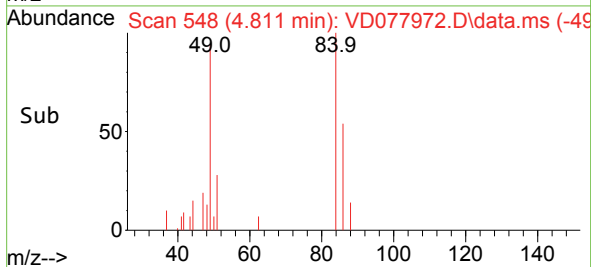
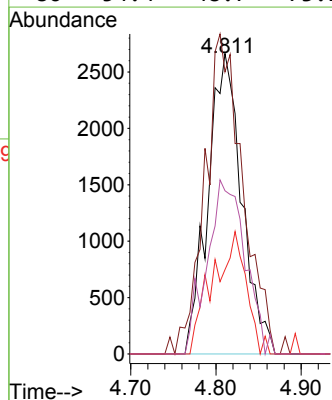
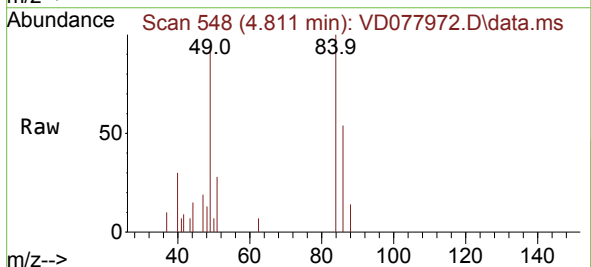
Instrument :
MSVOA_D
ClientSampleId :

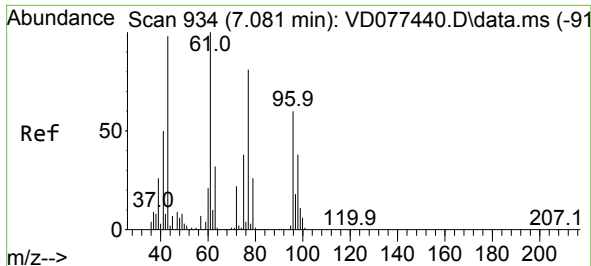
Tgt Ion: 43 Resp: 235
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD077972.D
Acq: 19 Dec 2023 14:25

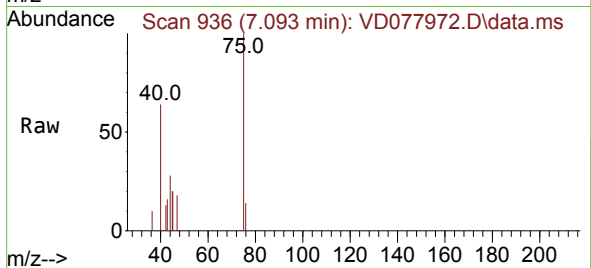
Tgt Ion: 84 Resp: 7345
Ion Ratio Lower Upper
84 100
49 94.0 71.4 107.2
51 28.1 24.5 36.7
86 54.4 48.7 73.1



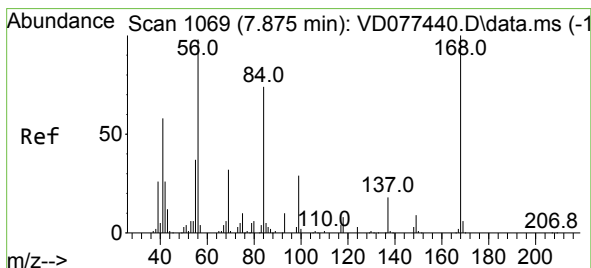
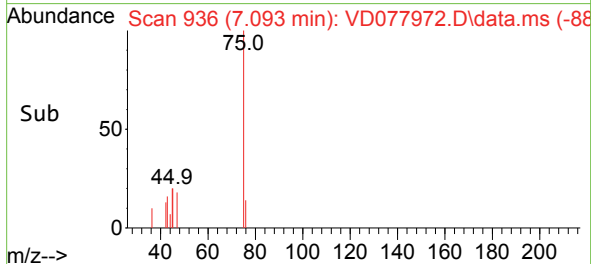
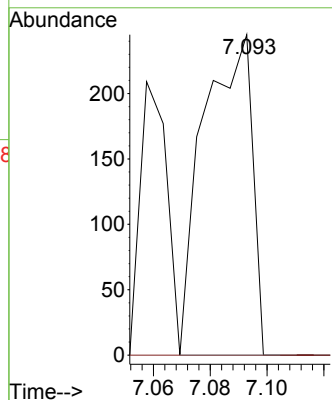


#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD077972.D
Acq: 19 Dec 2023 14:25

Instrument :
MSVOA_D
ClientSampleId :

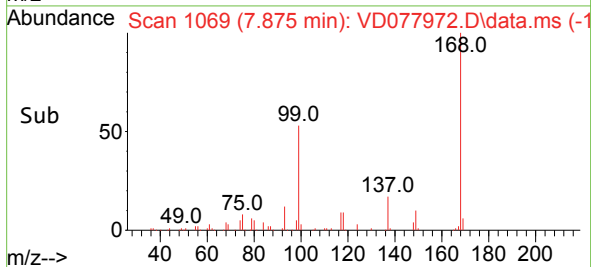
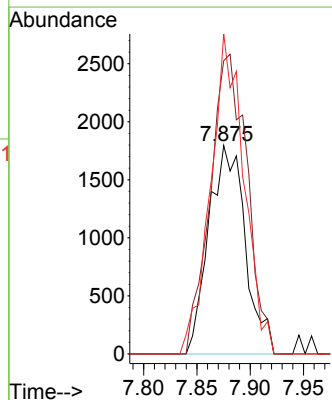
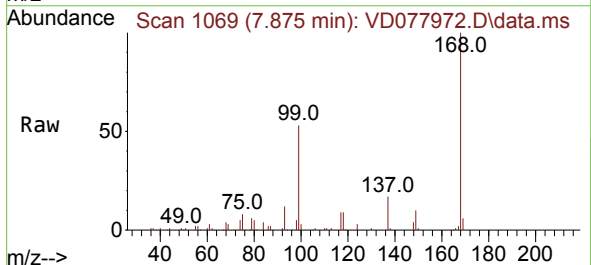


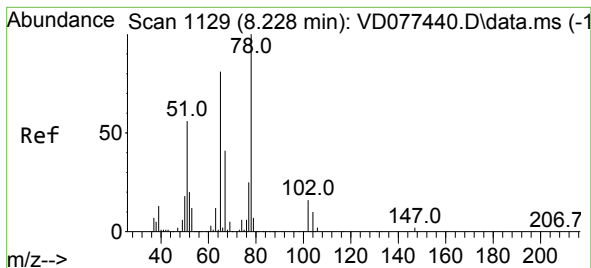
Tgt Ion: 43 Resp: 292
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.111 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077972.D
Acq: 19 Dec 2023 14:25

Tgt Ion: 56 Resp: 4270
Ion Ratio Lower Upper
56 100
69 140.7 28.6 43.0#
84 153.5 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 38.027 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077972.D

Acq: 19 Dec 2023 14:25

Instrument :

MSVOA_D

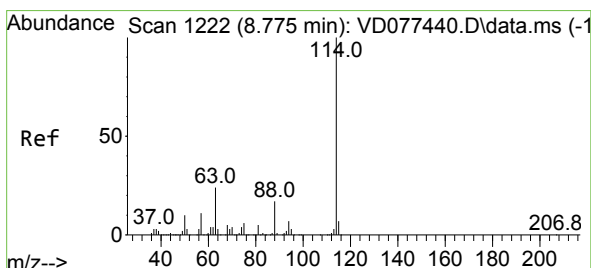
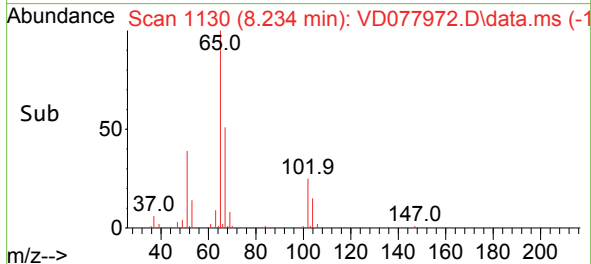
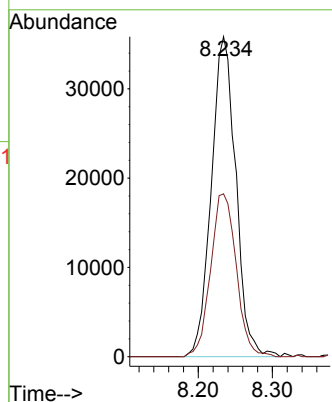
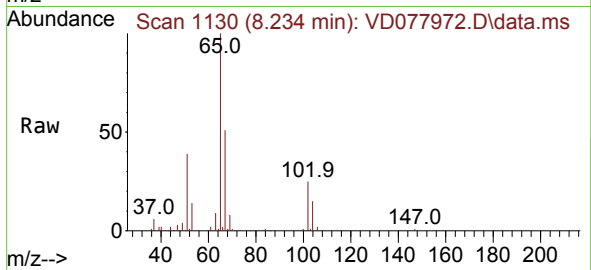
ClientSampleId :

Tgt Ion: 65 Resp: 82161

Ion Ratio Lower Upper

65 100

67 53.3 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: VD077972.D

Acq: 19 Dec 2023 14:25

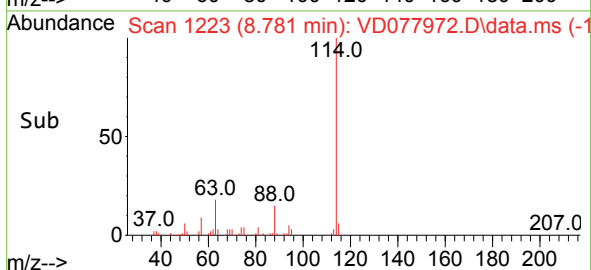
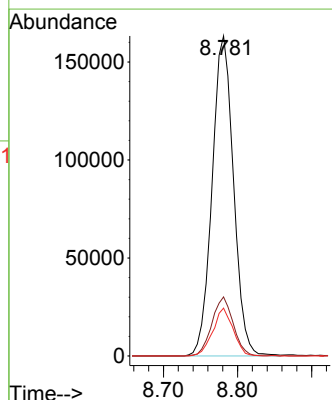
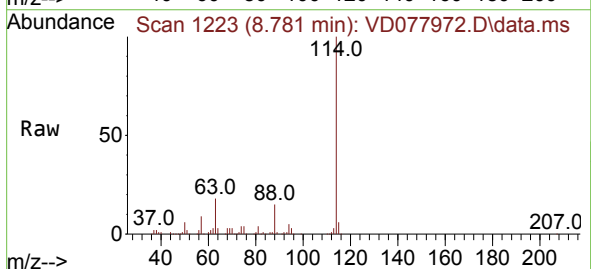
Tgt Ion: 114 Resp: 327615

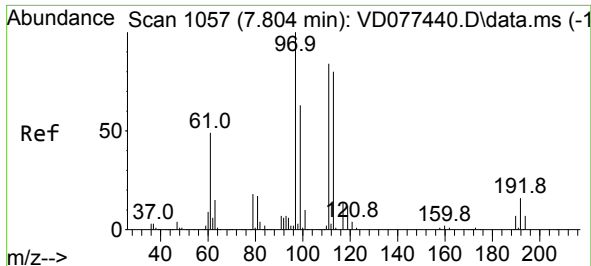
Ion Ratio Lower Upper

114 100

63 18.5 0.0 33.4

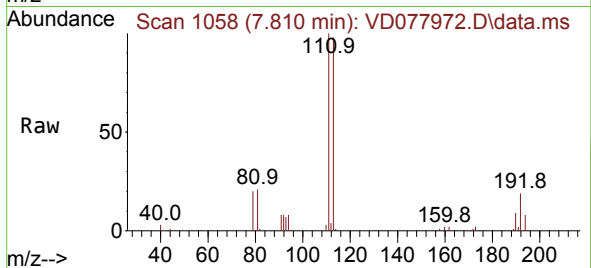
88 14.9 0.0 26.2



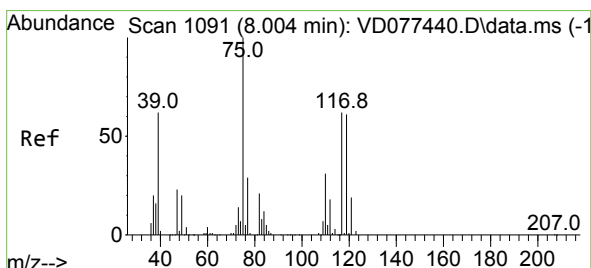
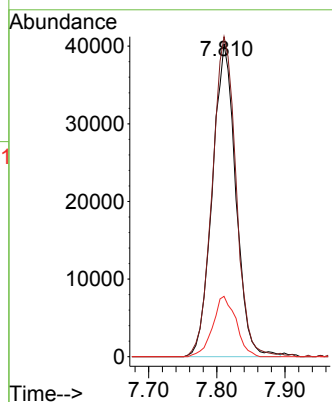
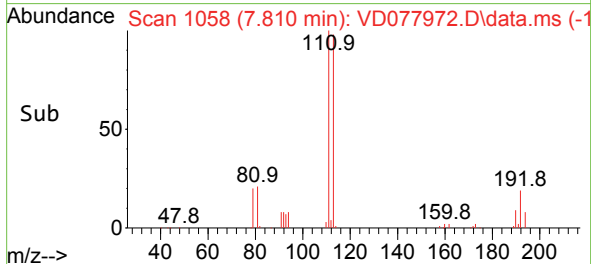


#35
Dibromofluoromethane
Concen: 42.004 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077972.D
Acq: 19 Dec 2023 14:25

Instrument :
MSVOA_D
ClientSampleId :

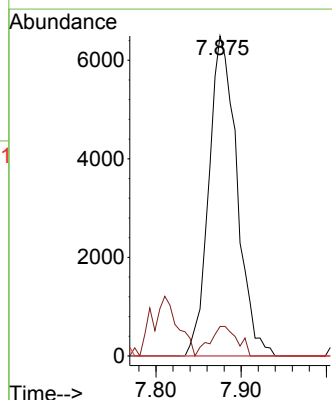
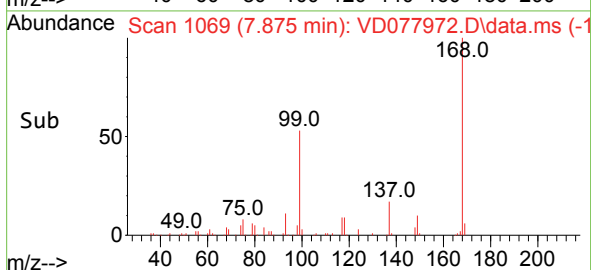
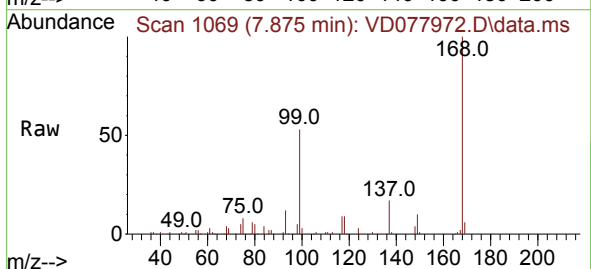


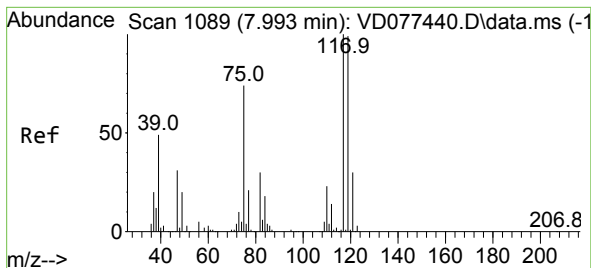
Tgt Ion:113 Resp: 96392
Ion Ratio Lower Upper
113 100
111 104.2 84.7 127.1
192 19.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.048 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077972.D
Acq: 19 Dec 2023 14:25

Tgt Ion: 75 Resp: 14860
Ion Ratio Lower Upper
75 100
110 9.0 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.802 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

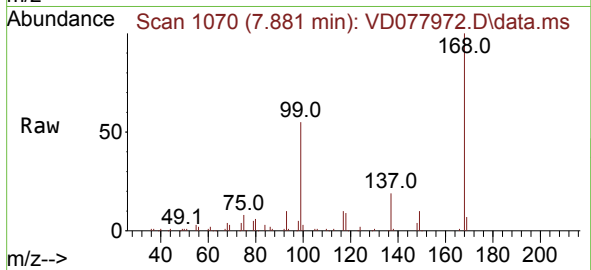
Lab File: VD077972.D

Acq: 19 Dec 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :



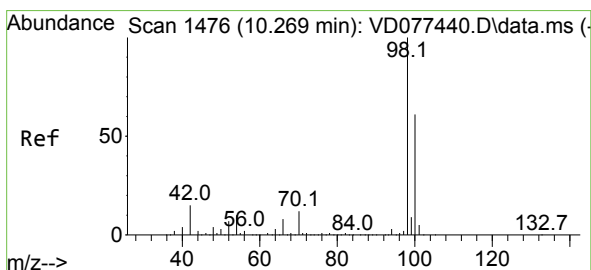
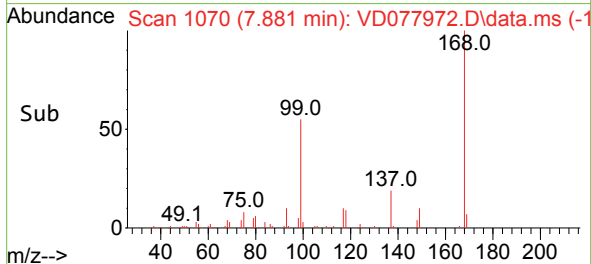
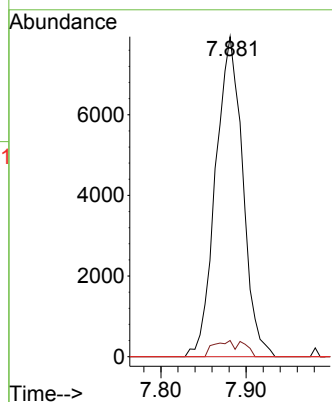
Tgt Ion:117 Resp: 17571

Ion Ratio Lower Upper

117 100

119 5.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.055 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077972.D

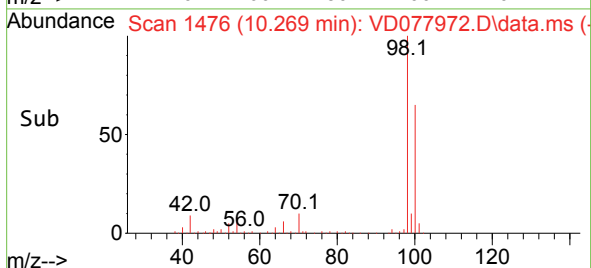
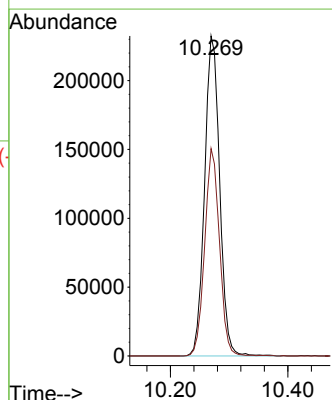
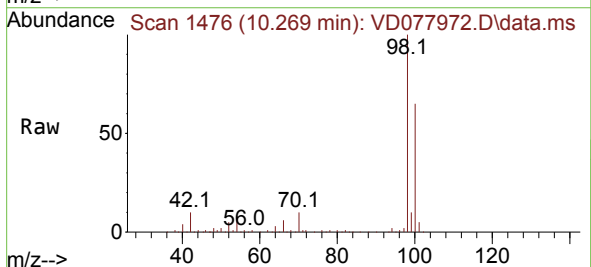
Acq: 19 Dec 2023 14:25

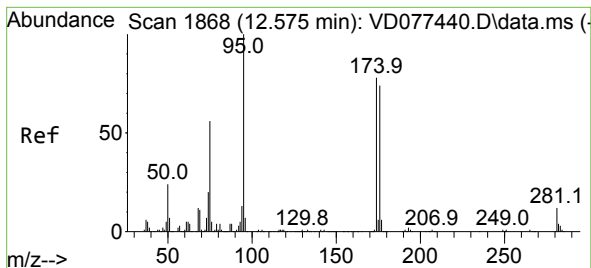
Tgt Ion: 98 Resp: 414109

Ion Ratio Lower Upper

98 100

100 63.5 50.3 75.5

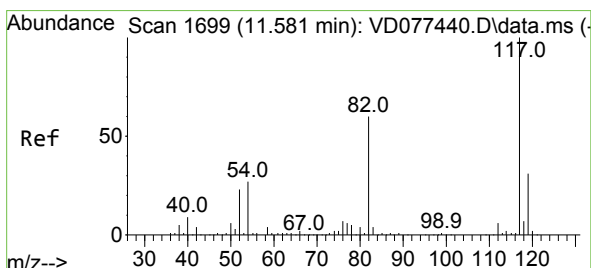
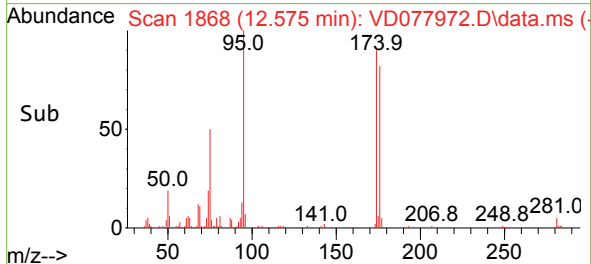
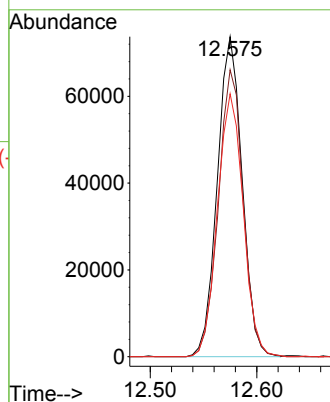
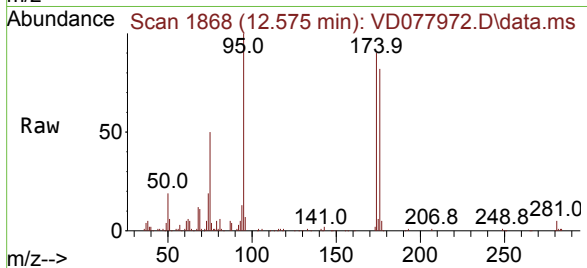




#62
4-Bromofluorobenzene
Concen: 43.415 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077972.D
Acq: 19 Dec 2023 14:25

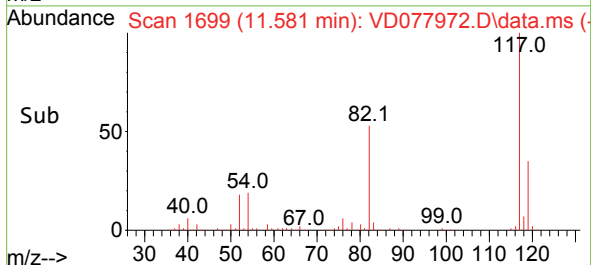
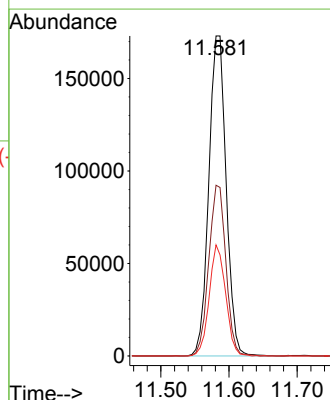
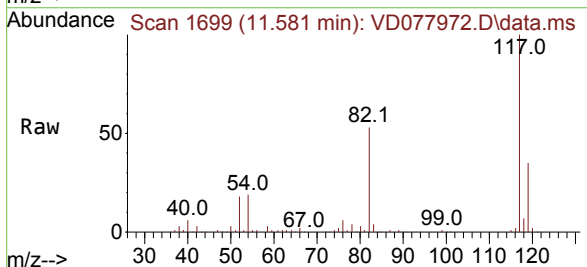
Instrument :
MSVOA_D
ClientSampleId :

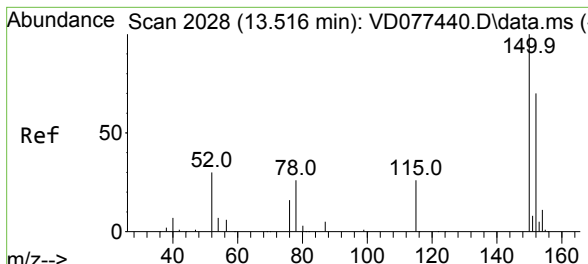
Tgt Ion: 95 Resp: 119300
Ion Ratio Lower Upper
95 100
174 89.4 0.0 201.8
176 85.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077972.D
Acq: 19 Dec 2023 14:25

Tgt Ion: 117 Resp: 305928
Ion Ratio Lower Upper
117 100
82 53.3 38.3 57.5
119 34.7 25.0 37.4

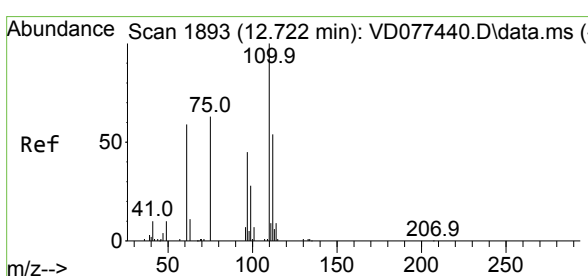
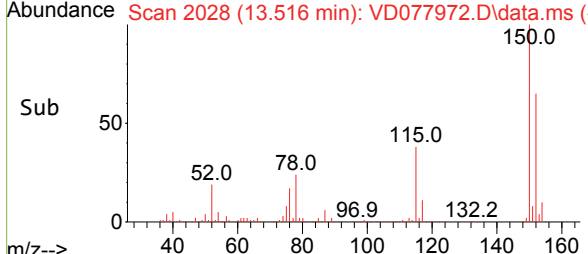
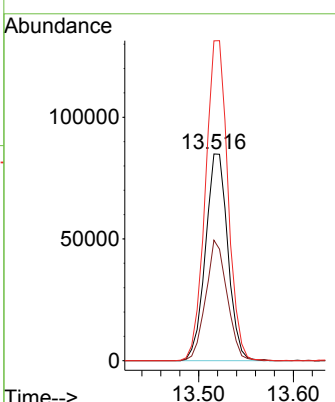
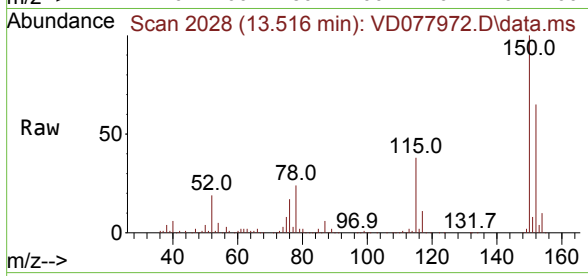




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD077972.D
 Acq: 19 Dec 2023 14:25

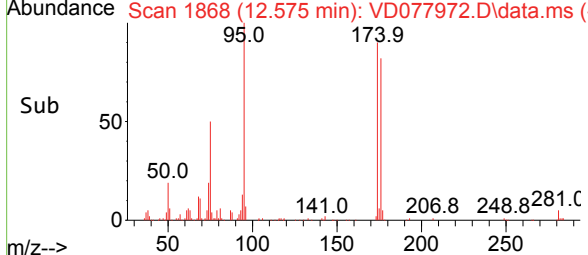
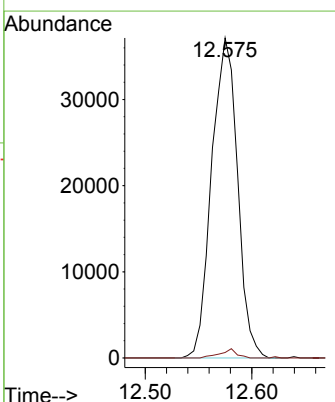
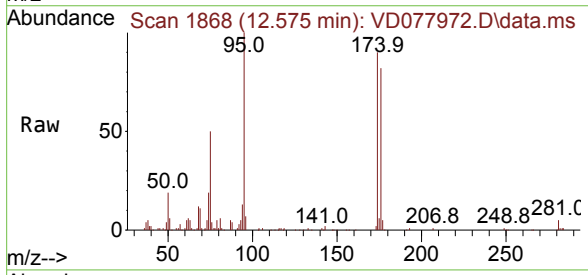
Instrument :
 MSVOA_D
 ClientSampleId :

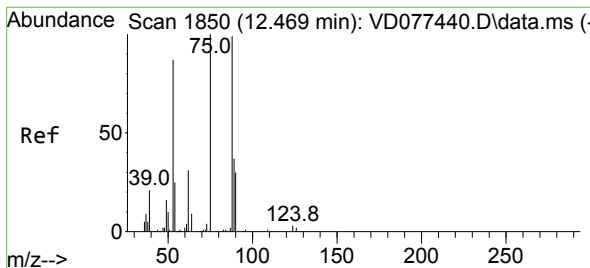
Tgt Ion:	152	Resp:	139429
Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.1	81.3
150	155.4	0.0	353.6



#76
 1,2,3-Trichloropropane
 Concen: 51.700 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077972.D
 Acq: 19 Dec 2023 14:25

Tgt Ion:	75	Resp:	62606
Ion	Ratio	Lower	Upper
75	100		
77	1.8	0.0	0.0#

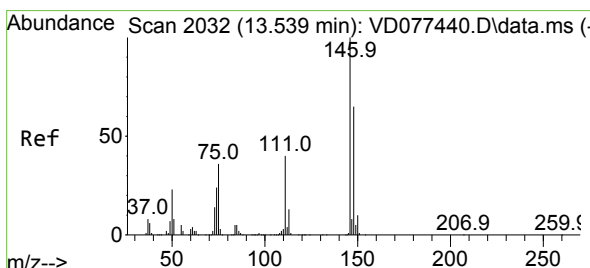
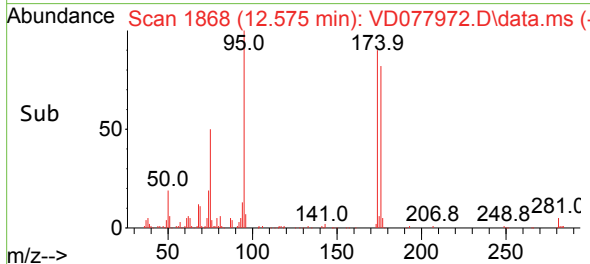
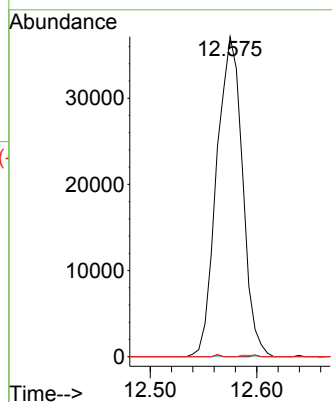
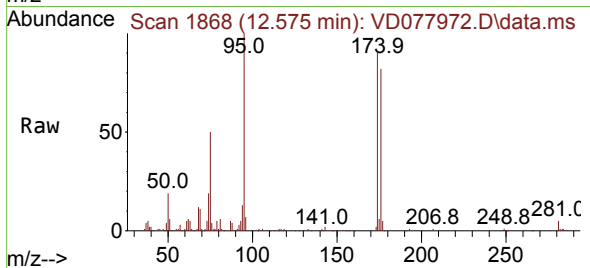




#81
trans-1,4-Dichloro-2-butene
Concen: 104.748 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077972.D
Acq: 19 Dec 2023 14:25

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 62606
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.1 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.522 min Scan# 2029
Delta R.T. -0.017 min
Lab File: VD077972.D
Acq: 19 Dec 2023 14:25

Tgt Ion:146 Resp: 116
Ion Ratio Lower Upper
146 100
111 1846.6 17.4 52.3#
148 933.6 31.7 95.1#

