

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078050.D
 Acq On : 22 Dec 2023 04:19
 Operator : RP/MD
 Sample : 05877-16
 Misc : 4.56G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 22 05:55:51 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

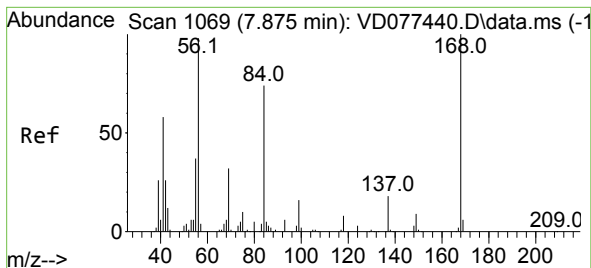
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.881	168	171822	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	311617	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	302267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	135945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	84496	41.733	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.460%
35) Dibromofluoromethane	7.810	113	94432	43.263	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.520%
50) Toluene-d8	10.269	98	394782	45.158	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.320%
62) 4-Bromofluorobenzene	12.575	95	116520	44.580	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.160%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.046	59	2115	10.912	ug/l #	84
16) Acetone	4.028	43	3067	Below Cal		88
20) Methylene Chloride	4.811	84	4361	Below Cal	#	82
25) 2-Butanone	7.075	43	237	Below Cal	#	37
31) Cyclohexane	7.875	56	4109	1.141	ug/l #	17
36) 1,1-Dichloropropene	7.875	75	14843	4.251	ug/l #	47
38) Carbon Tetrachloride	7.875	117	17574	5.049	ug/l #	16
65) Chlorobenzene	11.593	112	55	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.575	75	60153	50.947	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	60153	103.223	ug/l #	17
88) 1,4-Dichlorobenzene	13.522	146	121	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.198	75	54	Below Cal	#	1

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

Quant Time: Dec 22 05:55:51 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# 1069

Delta R.T. 0.006 min

Lab File: VD078050.D

Acq: 22 Dec 2023 04:19

Instrument :

MSVOA_D

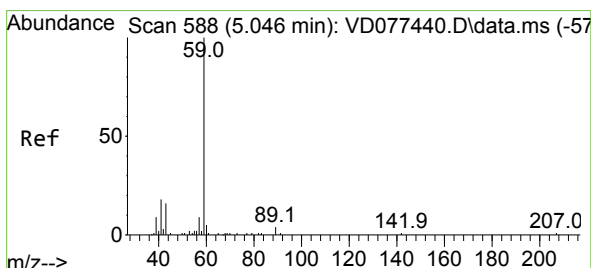
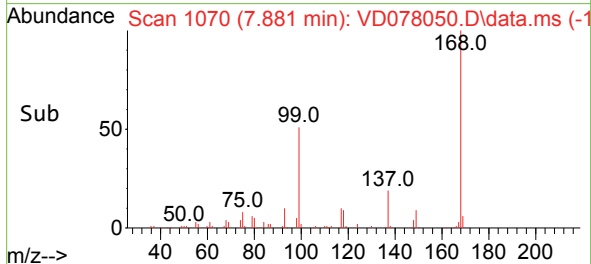
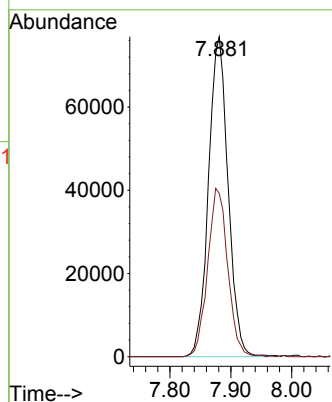
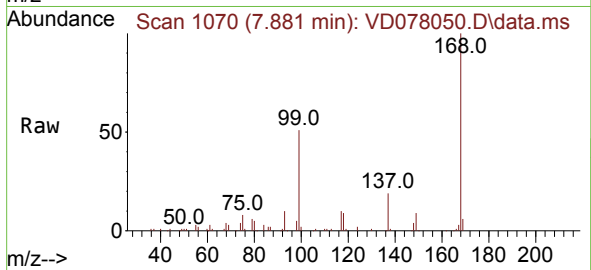
ClientSampleId :

Tgt Ion:168 Resp: 171822

Ion Ratio Lower Upper

168 100

99 51.0 36.7 55.1



#11

Tert butyl alcohol

Concen: 10.912 ug/l

RT: 5.046 min Scan# 588

Delta R.T. -0.000 min

Lab File: VD078050.D

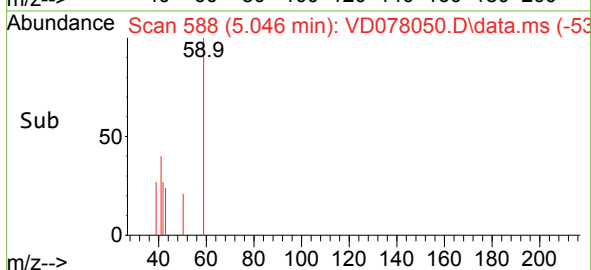
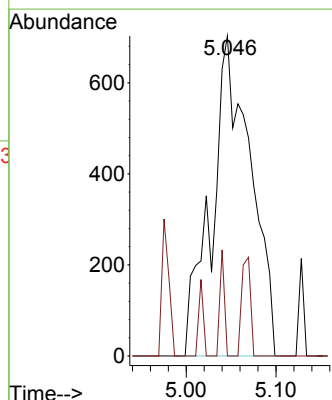
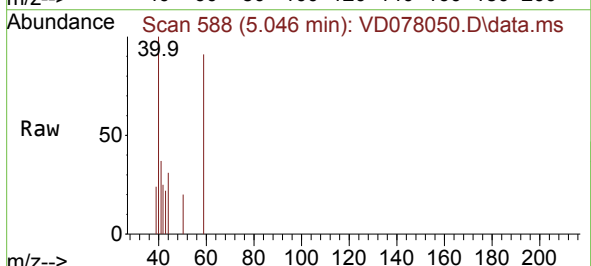
Acq: 22 Dec 2023 04:19

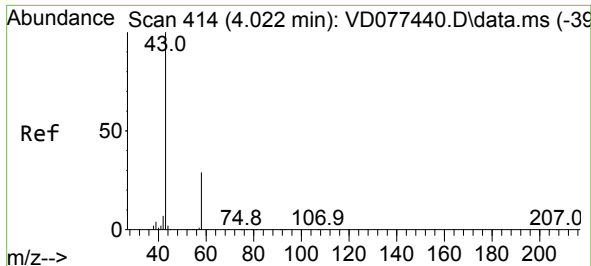
Tgt Ion: 59 Resp: 2115

Ion Ratio Lower Upper

59 100

57 3.9 7.8 11.8#

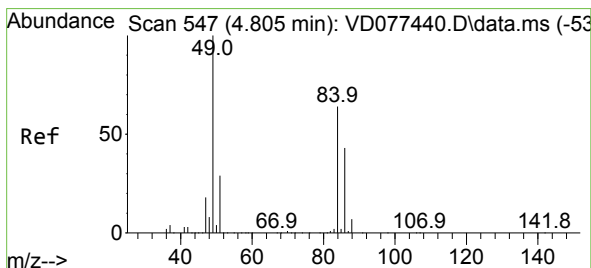
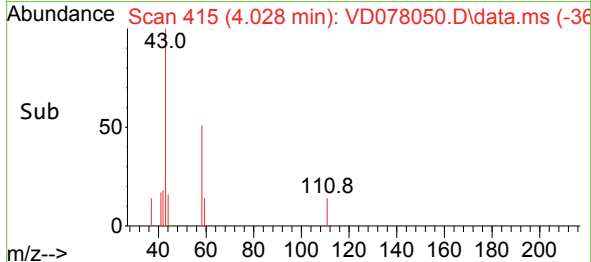
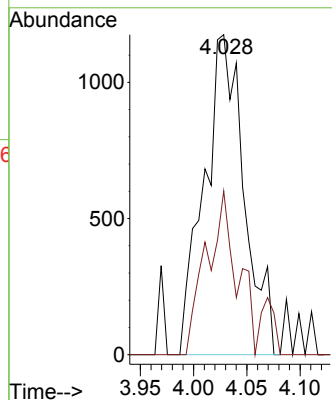
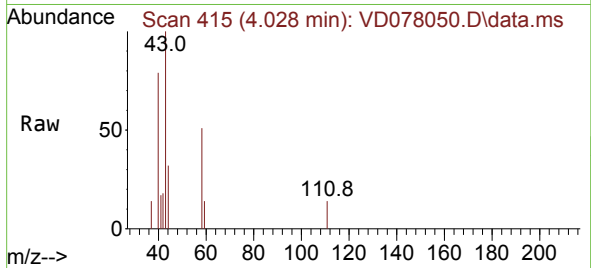




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD078050.D
Acq: 22 Dec 2023 04:19

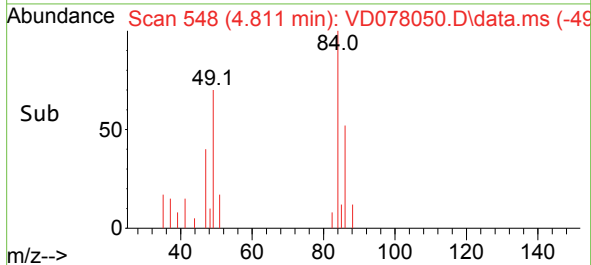
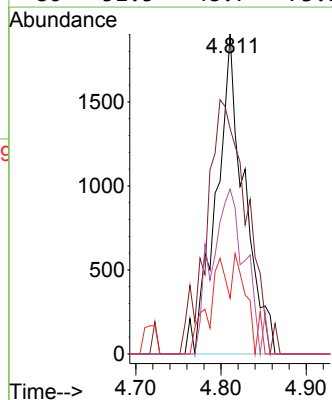
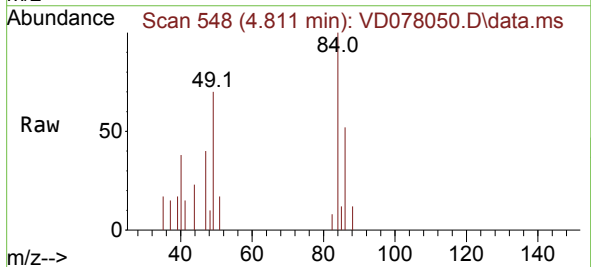
Instrument :
MSVOA_D
ClientSampleId :

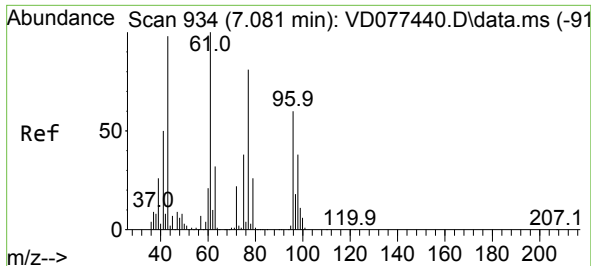
Tgt Ion: 43 Resp: 3067
Ion Ratio Lower Upper
43 100
58 51.1 34.7 52.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD078050.D
Acq: 22 Dec 2023 04:19

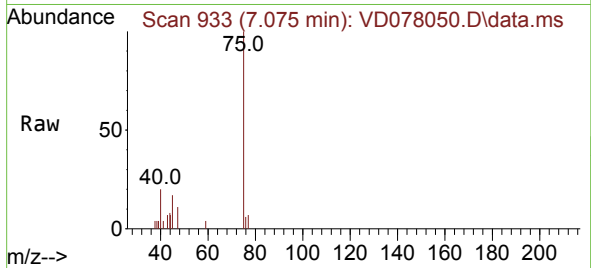
Tgt Ion: 84 Resp: 4361
Ion Ratio Lower Upper
84 100
49 70.4 71.4 107.2#
51 17.4 24.5 36.7#
86 51.5 48.7 73.1



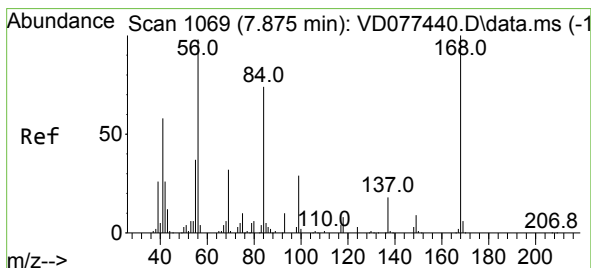
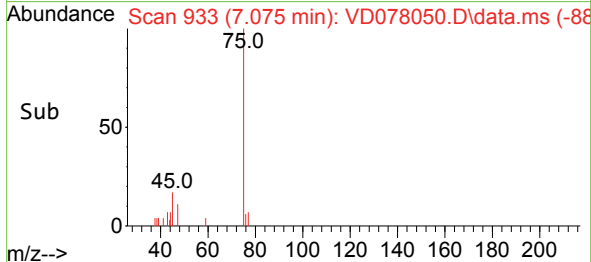
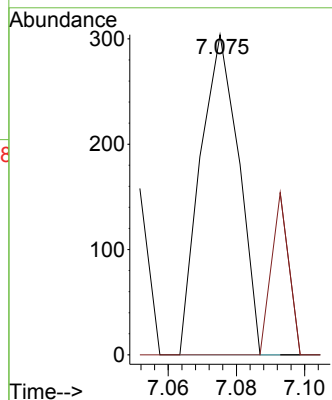


#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078050.D
Acq: 22 Dec 2023 04:19

Instrument :
MSVOA_D
ClientSampleId :

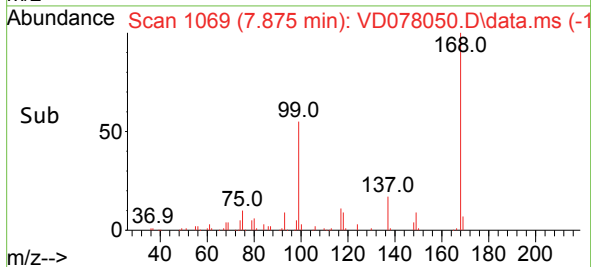
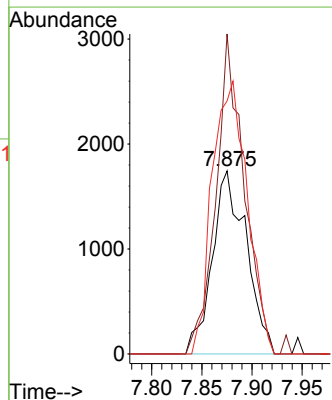
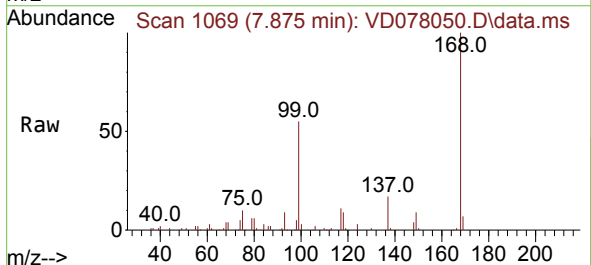


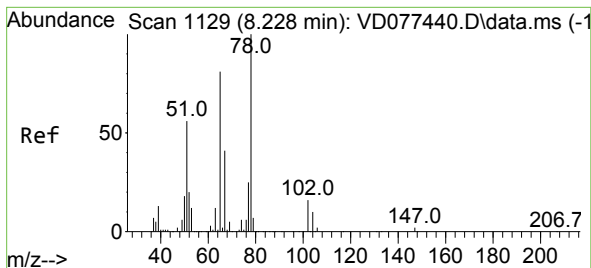
Tgt Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.141 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078050.D
Acq: 22 Dec 2023 04:19

Tgt Ion: 56 Resp: 4109
Ion Ratio Lower Upper
56 100
69 174.8 28.6 43.0#
84 138.2 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 41.733 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD078050.D

Acq: 22 Dec 2023 04:19

Instrument :

MSVOA_D

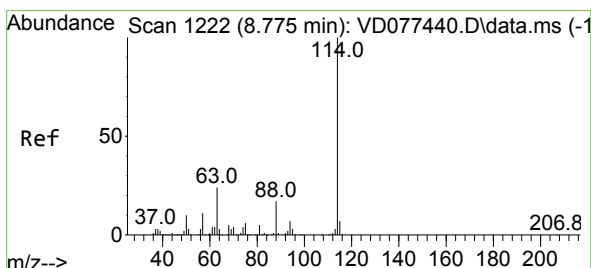
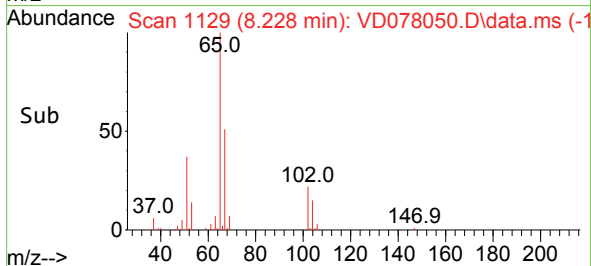
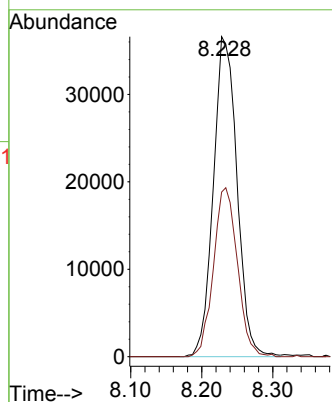
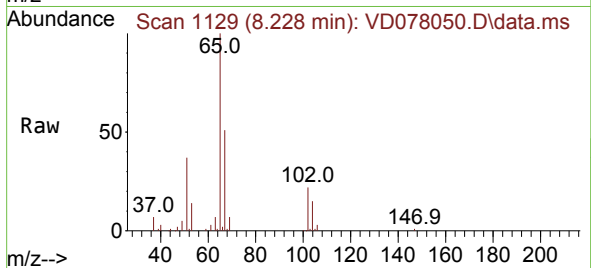
ClientSampleId :

Tgt Ion: 65 Resp: 84496

Ion Ratio Lower Upper

65 100

67 53.5 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: VD078050.D

Acq: 22 Dec 2023 04:19

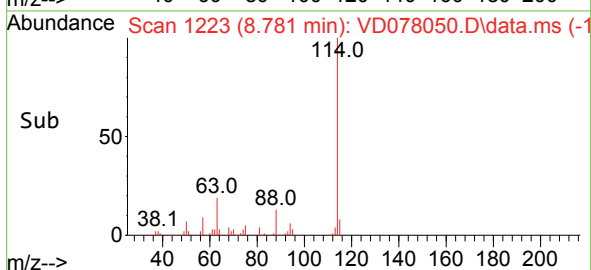
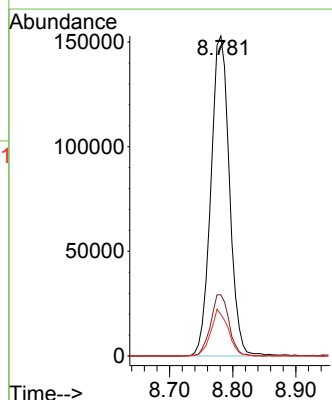
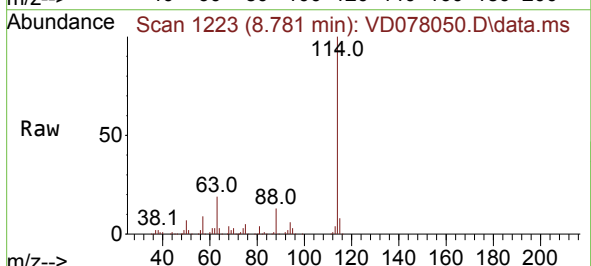
Tgt Ion: 114 Resp: 311617

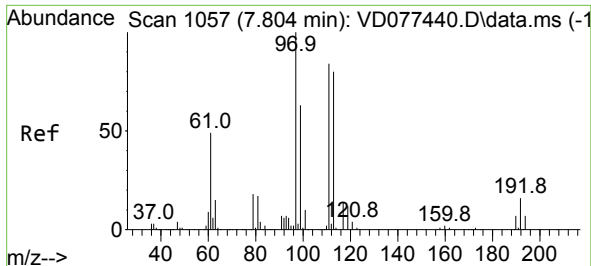
Ion Ratio Lower Upper

114 100

63 19.1 0.0 33.4

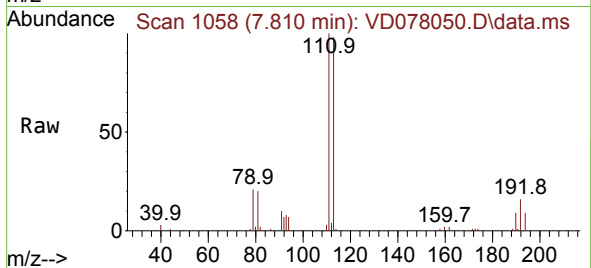
88 12.9 0.0 26.2



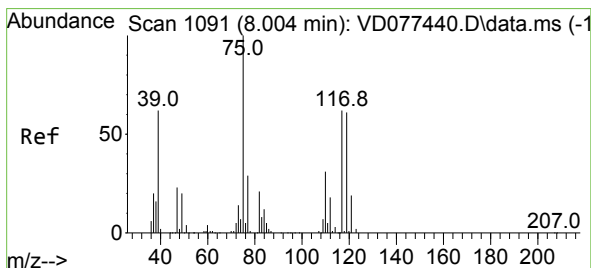
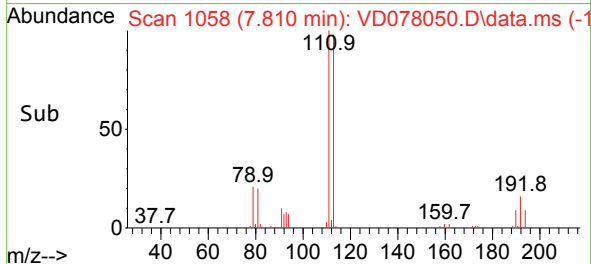
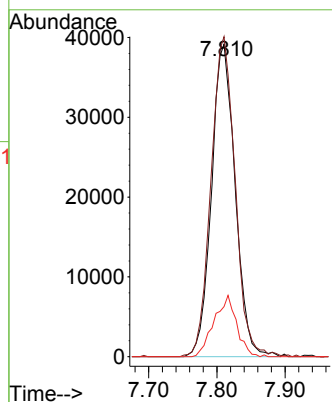


#35
Dibromofluoromethane
Concen: 43.263 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078050.D
Acq: 22 Dec 2023 04:19

Instrument :
MSVOA_D
ClientSampleId :

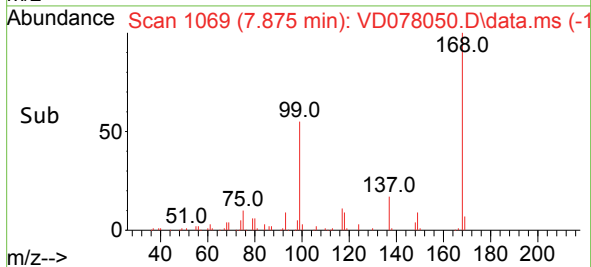
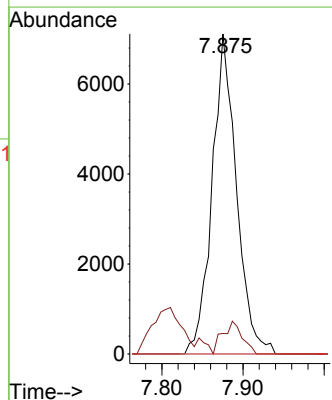
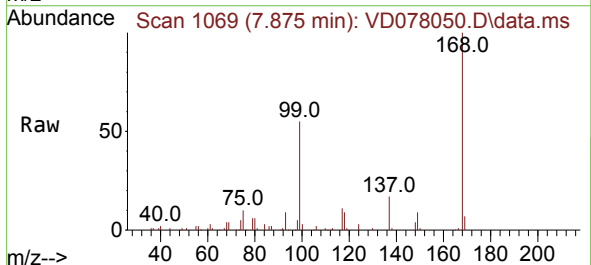


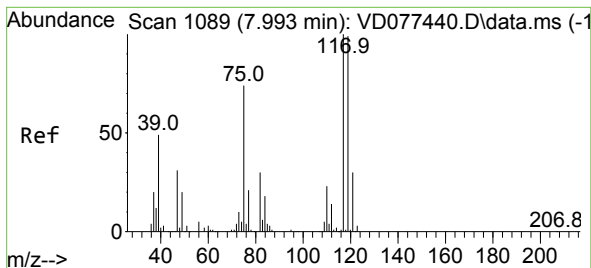
Tgt Ion:113 Resp: 94432
Ion Ratio Lower Upper
113 100
111 104.7 84.7 127.1
192 18.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.251 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD078050.D
Acq: 22 Dec 2023 04:19

Tgt Ion: 75 Resp: 14843
Ion Ratio Lower Upper
75 100
110 8.2 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.049 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

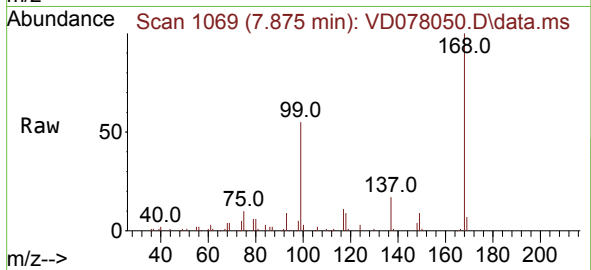
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Acq: 22 Dec 2023 04:19

Instrument :

MSVOA_D

ClientSampleId :



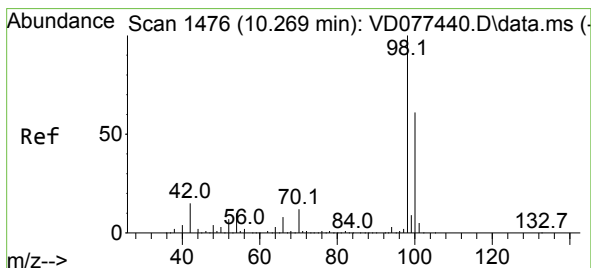
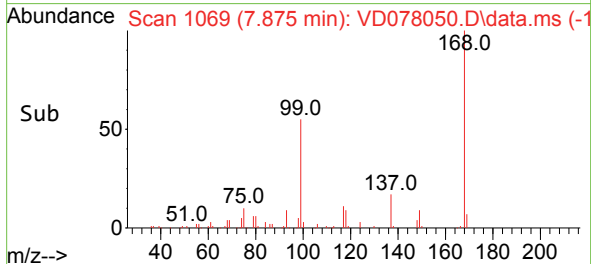
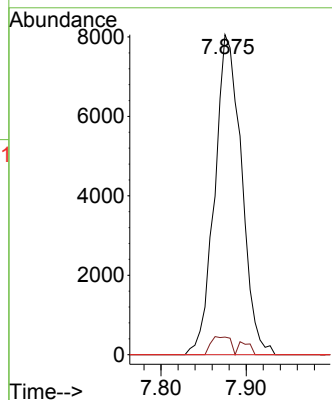
Tgt Ion:117 Resp: 17574

Ion Ratio Lower Upper

117 100

119 5.5 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.158 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078050.D

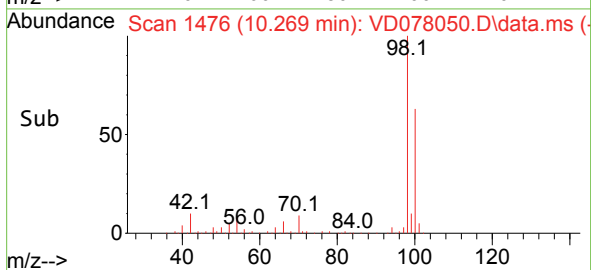
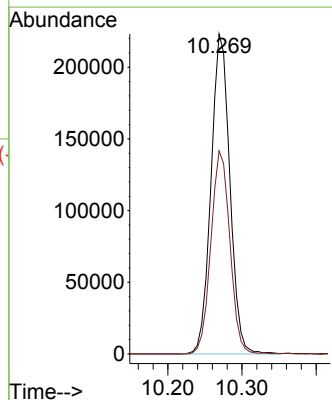
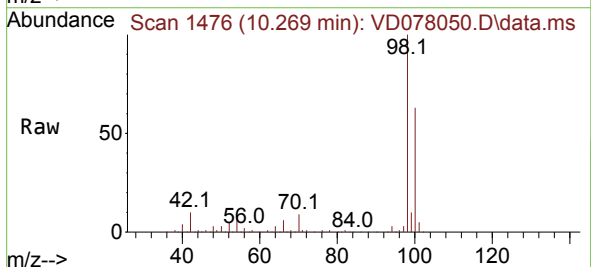
Acq: 22 Dec 2023 04:19

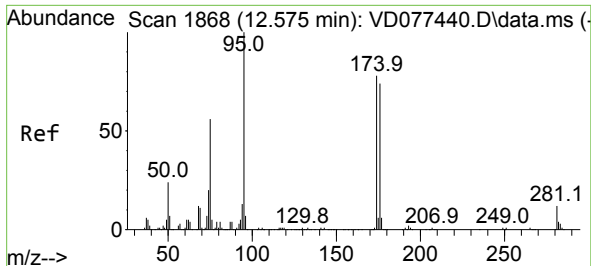
Tgt Ion: 98 Resp: 394782

Ion Ratio Lower Upper

98 100

100 63.9 50.3 75.5

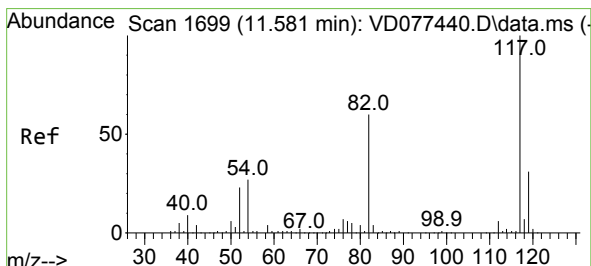
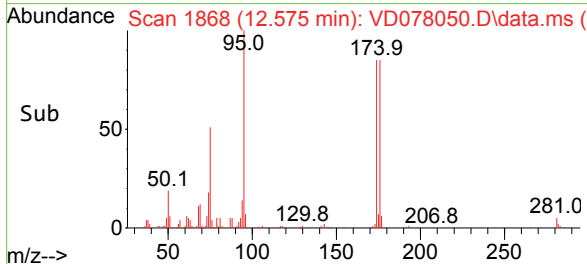
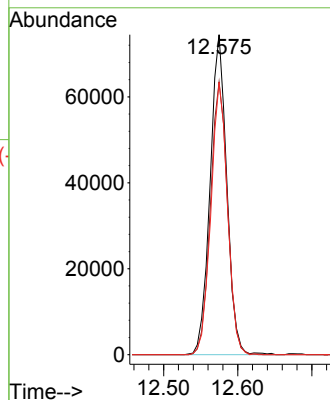
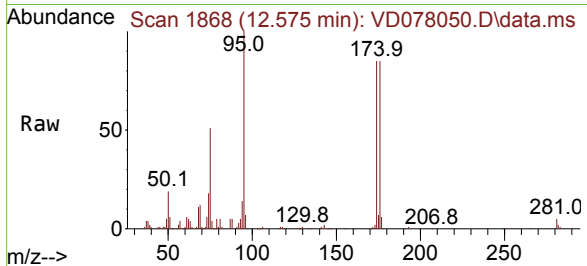




#62
4-Bromofluorobenzene
Concen: 44.580 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078050.D
Acq: 22 Dec 2023 04:19

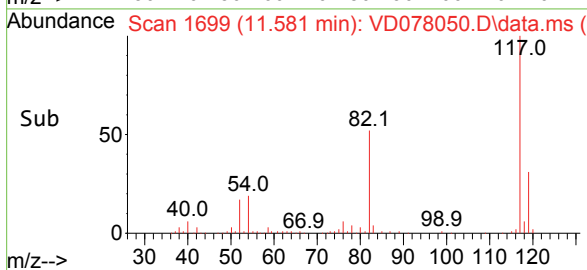
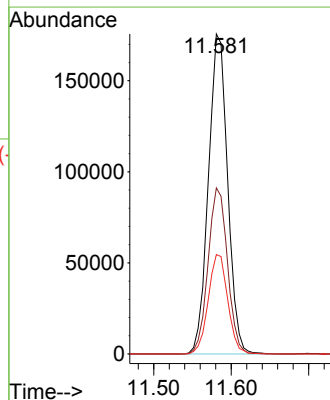
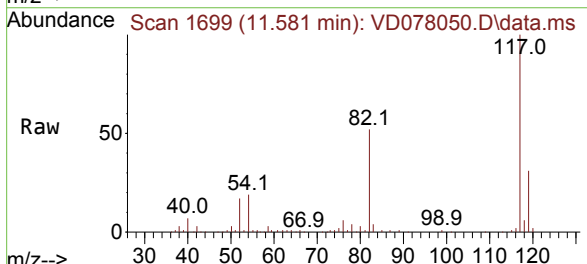
Instrument :
MSVOA_D
ClientSampleId :

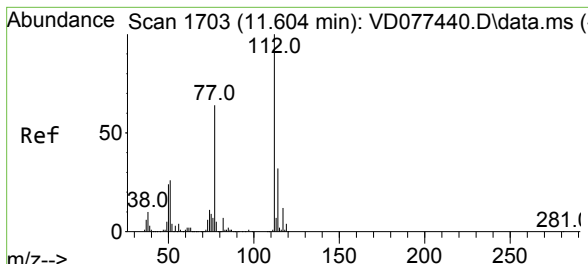
Tgt Ion: 95 Resp: 116520
Ion Ratio Lower Upper
95 100
174 86.7 0.0 201.8
176 84.4 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078050.D
Acq: 22 Dec 2023 04:19

Tgt Ion: 117 Resp: 302267
Ion Ratio Lower Upper
117 100
82 51.9 38.3 57.5
119 31.1 25.0 37.4

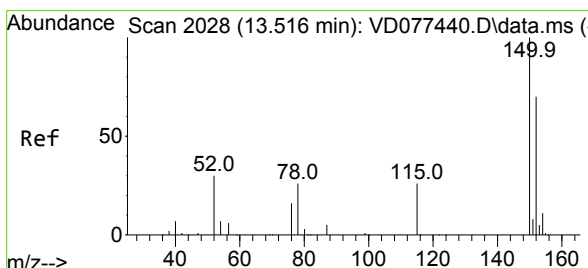
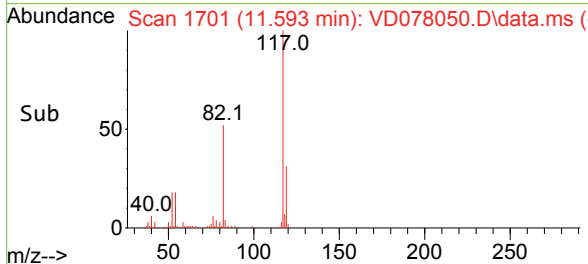
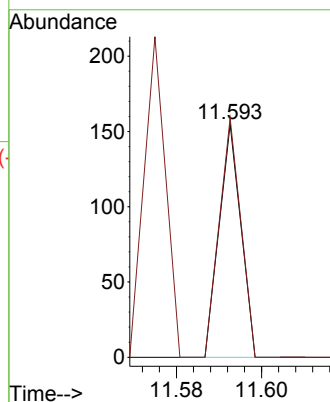
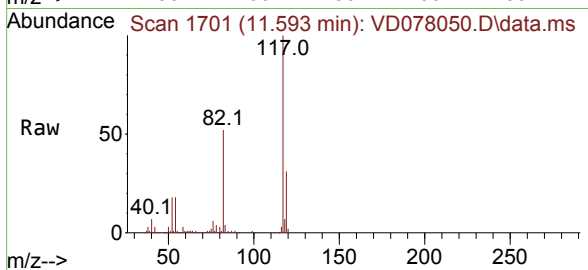




#65
Chlorobenzene
Concen: Below Cal
RT: 11.593 min Scan# 11
Delta R.T. -0.011 min
Lab File: VD078050.D
Acq: 22 Dec 2023 04:19

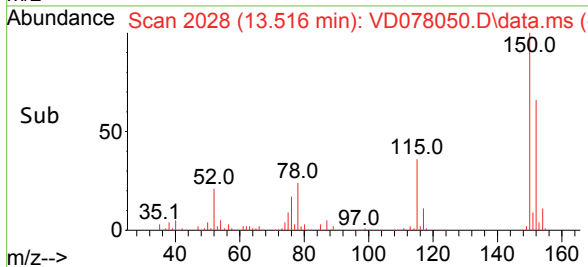
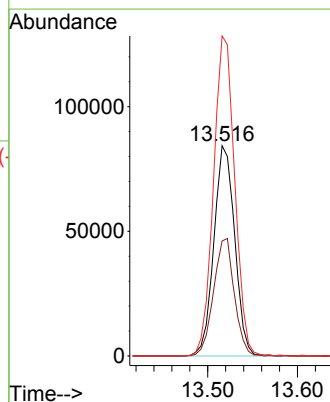
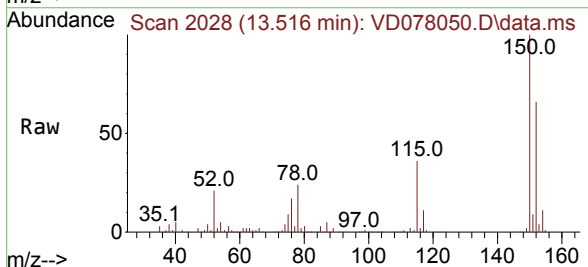
Instrument :
MSVOA_D
ClientSampleId :

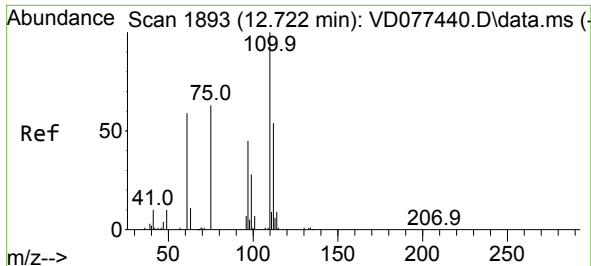
Tgt Ion:112 Resp: 55
Ion Ratio Lower Upper
112 100
114 102.6 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD078050.D
Acq: 22 Dec 2023 04:19

Tgt Ion:152 Resp: 135945
Ion Ratio Lower Upper
152 100
115 55.7 27.1 81.3
150 155.0 0.0 353.6

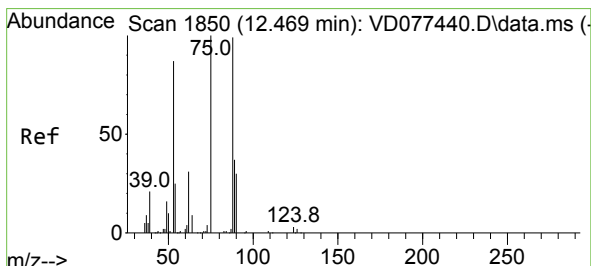
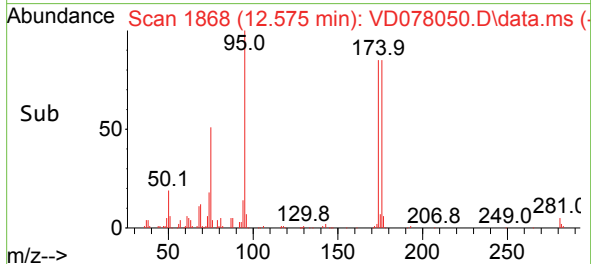
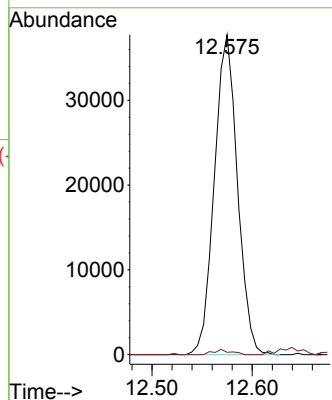
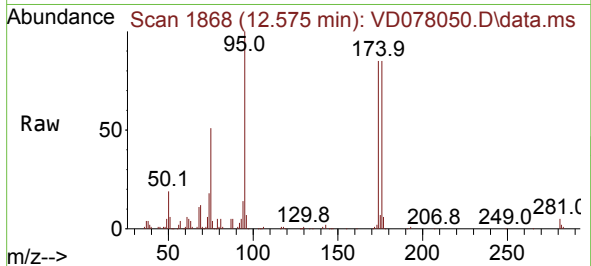




#76
1,2,3-Trichloropropane
Concen: 50.947 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078050.D
Acq: 22 Dec 2023 04:19

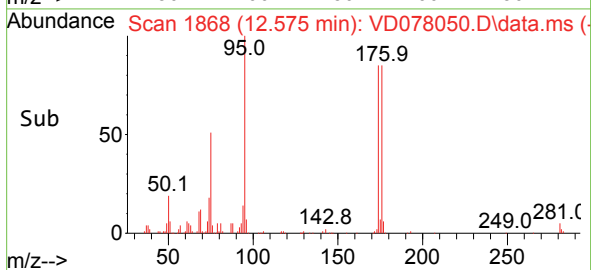
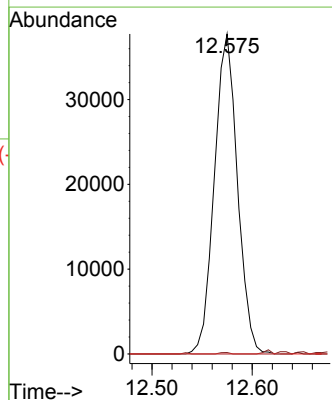
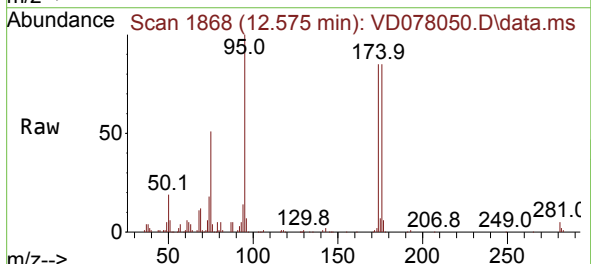
Instrument :
MSVOA_D
ClientSampleId :

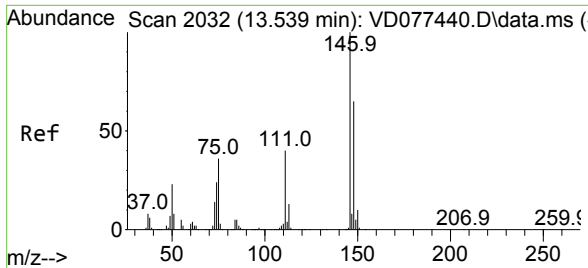
Tgt Ion: 75 Resp: 60153
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.223 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078050.D
Acq: 22 Dec 2023 04:19

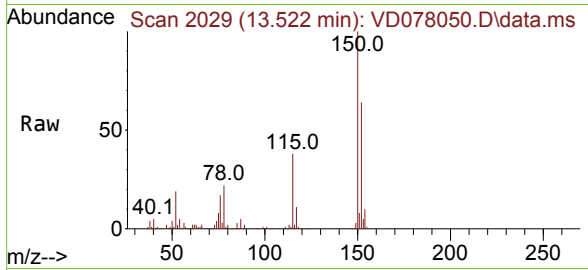
Tgt Ion: 75 Resp: 60153
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.522 min Scan# 2032
 Delta R.T. -0.017 min
 Lab File: VD078050.D
 Acq: 22 Dec 2023 04:19

Instrument : MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	121
Ion	Ratio	Lower	Upper
146	100		
111	1640.5	17.4	52.3#
148	701.7	31.7	95.1#

