

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078013.D
 Acq On : 21 Dec 2023 01:19
 Operator : RP/MD
 Sample : 05876-03
 Misc : 3.20G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:33:35 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)

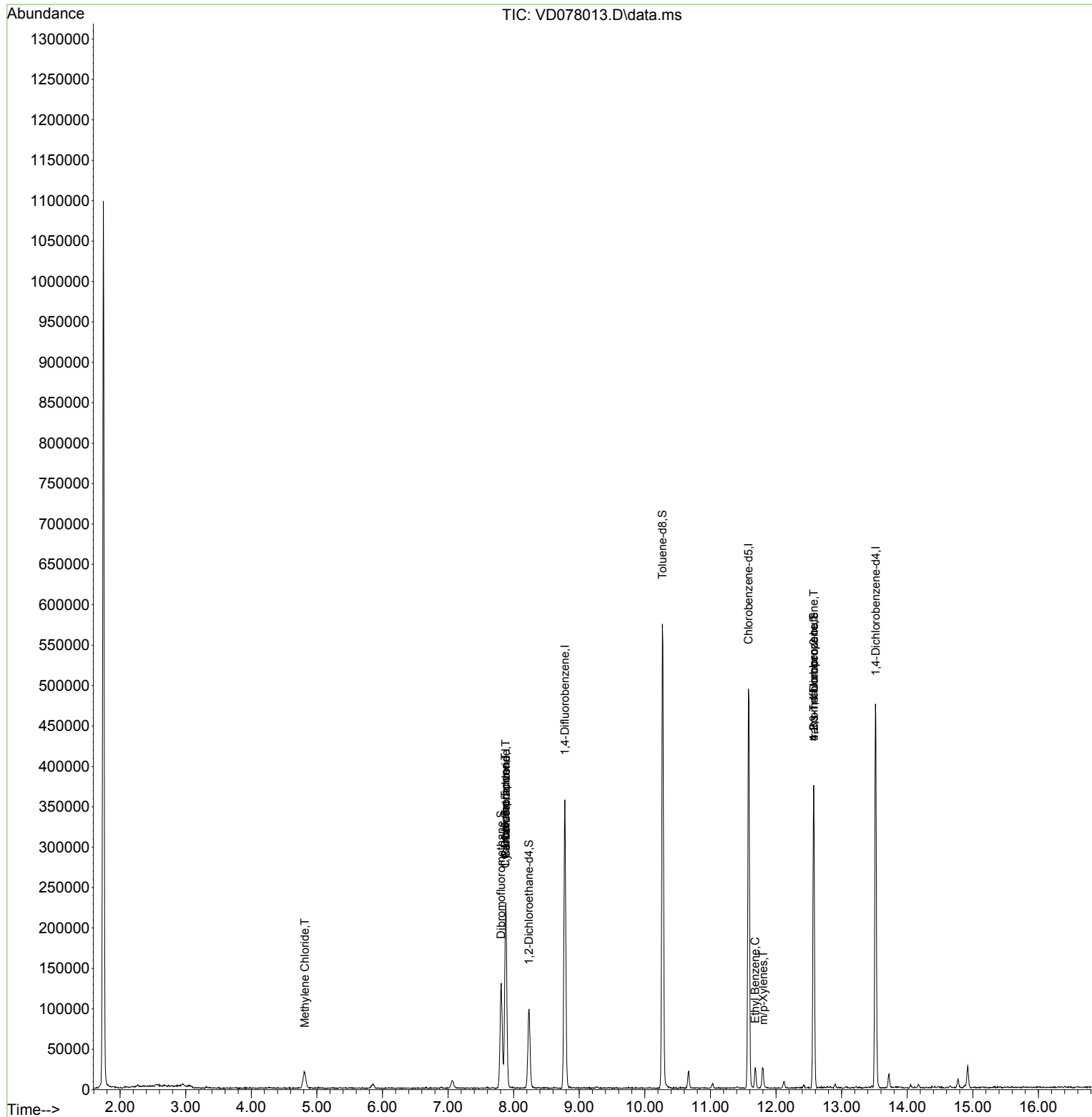
Internal Standards						
1) Pentafluorobenzene	7.881	168	177767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	312842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	291693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	129772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	77558	37.025	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	74.060%
35) Dibromofluoromethane	7.810	113	91597	41.799	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.600%
50) Toluene-d8	10.269	98	403891	46.019	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.040%
62) 4-Bromofluorobenzene	12.575	95	111263	42.402	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.800%
Target Compounds						Qvalue
11) Tert butyl alcohol	5.058	59	289	Below Cal	#	16
16) Acetone	4.040	43	868	Below Cal	#	32
20) Methylene Chloride	4.816	84	15916	1.740	ug/l	89
25) 2-Butanone	7.087	43	681	Below Cal	#	37
31) Cyclohexane	7.875	56	4246	1.140	ug/l	# 40
36) 1,1-Dichloropropene	7.875	75	14801	4.223	ug/l	# 44
38) Carbon Tetrachloride	7.881	117	17563	5.026	ug/l	# 18
65) Chlorobenzene	11.604	112	112	Below Cal	#	43
67) Ethyl Benzene	11.681	91	18409	1.516	ug/l	99
68) m/p-Xylenes	11.804	106	8215	1.769	ug/l	92
76) 1,2,3-Trichloropropane	12.575	75	60402	53.592	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	60402	108.581	ug/l	# 17
88) 1,4-Dichlorobenzene	13.540	146	322	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.534	75	64	Below Cal	#	1

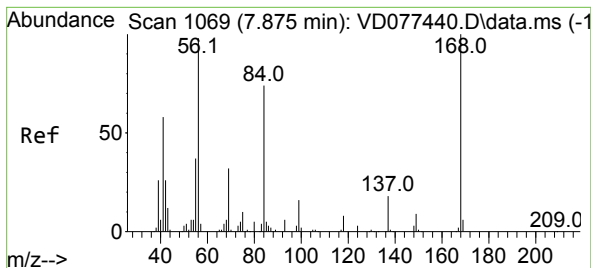
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 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: VD078013.D

Acq: 21 Dec 2023 01:19

Instrument :

MSVOA_D

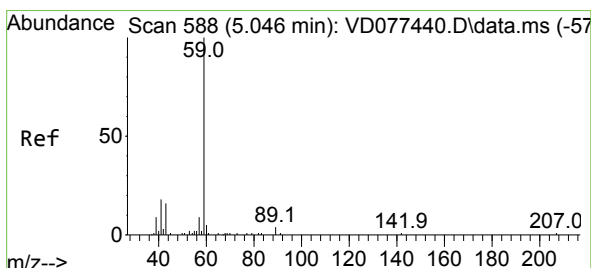
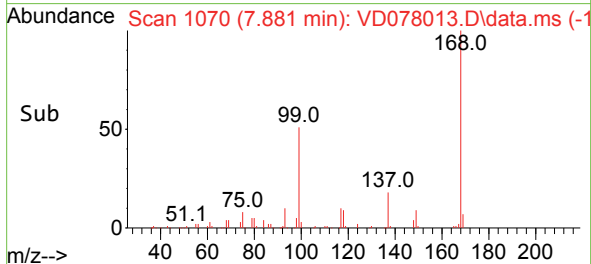
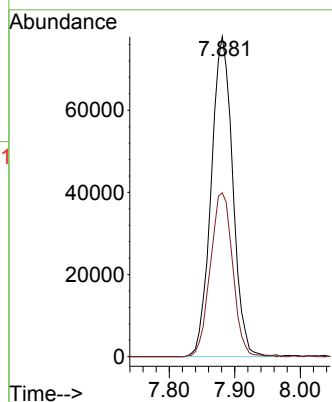
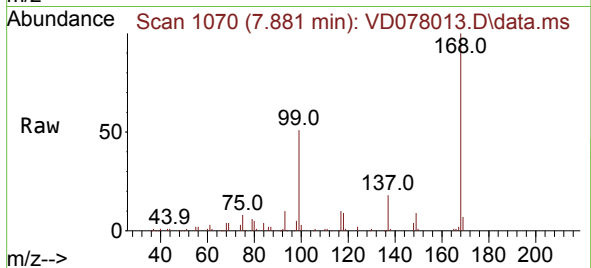
ClientSampleId :

Tgt Ion:168 Resp: 177767

Ion Ratio Lower Upper

168 100

99 51.2 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.058 min Scan# 590

Delta R.T. 0.012 min

Lab File: VD078013.D

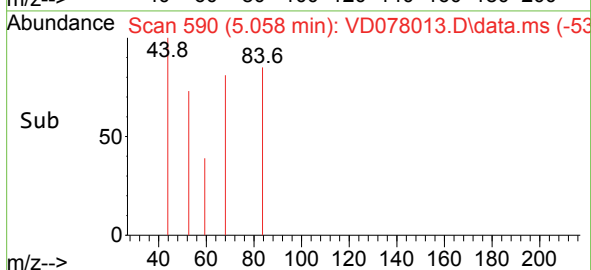
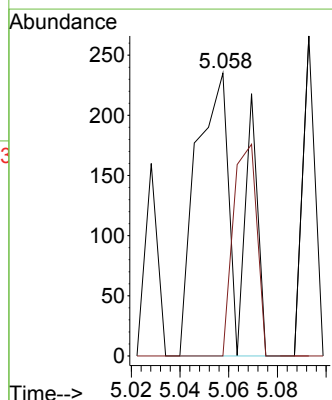
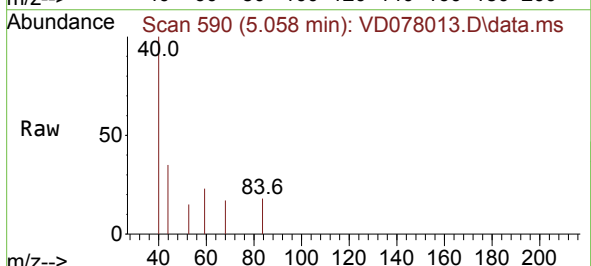
Acq: 21 Dec 2023 01:19

Tgt Ion: 59 Resp: 289

Ion Ratio Lower Upper

59 100

57 40.8 7.8 11.8#

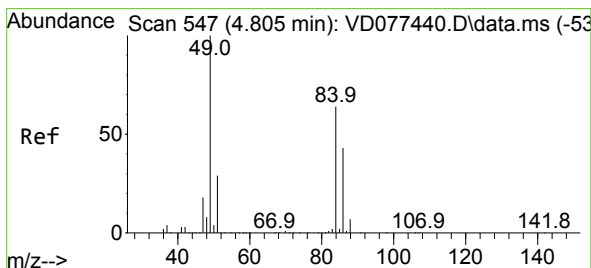
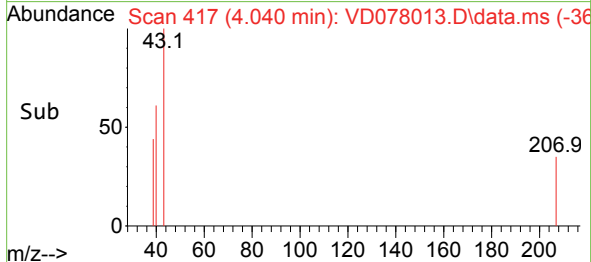
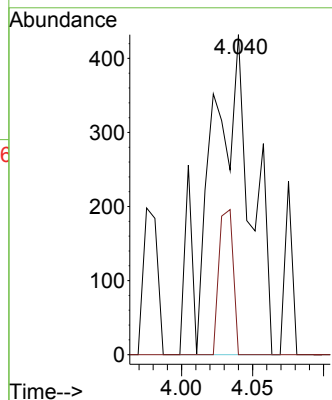
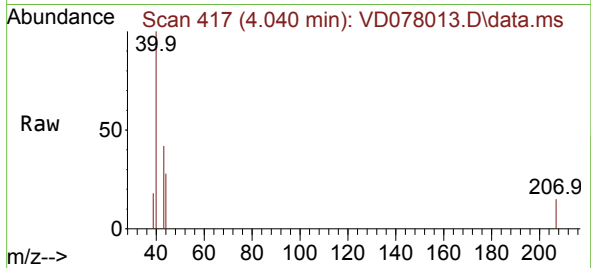




#16
Acetone
Concen: Below Cal
RT: 4.040 min Scan# 414
Delta R.T. 0.018 min
Lab File: VD078013.D
Acq: 21 Dec 2023 01:19

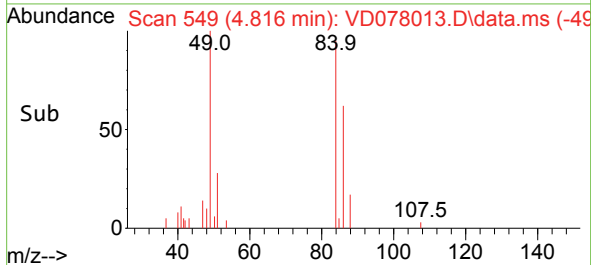
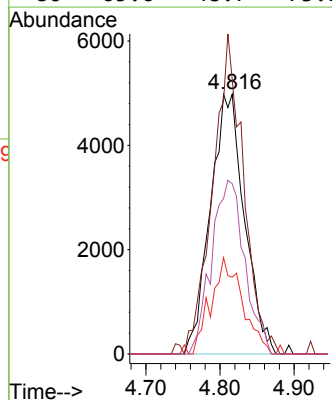
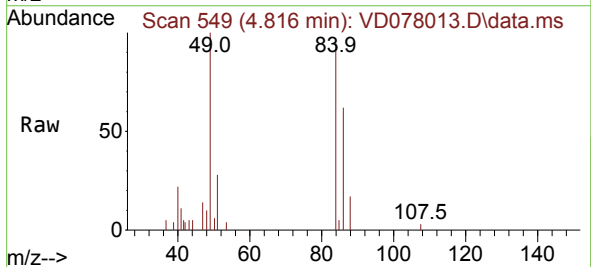
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 868
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: 1.740 ug/l
RT: 4.816 min Scan# 549
Delta R.T. 0.011 min
Lab File: VD078013.D
Acq: 21 Dec 2023 01:19

Tgt Ion: 84 Resp: 15916
Ion Ratio Lower Upper
84 100
49 105.8 71.4 107.2
51 29.6 24.5 36.7
86 65.6 48.7 73.1

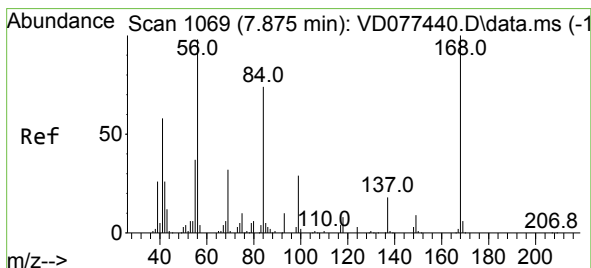
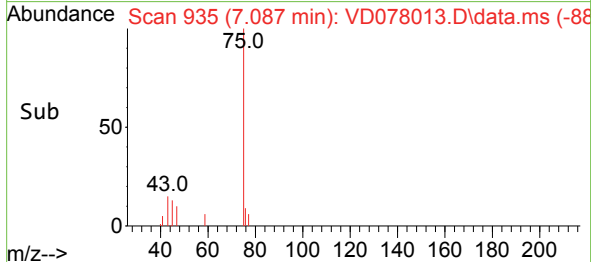
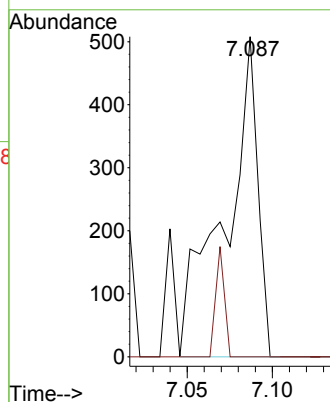
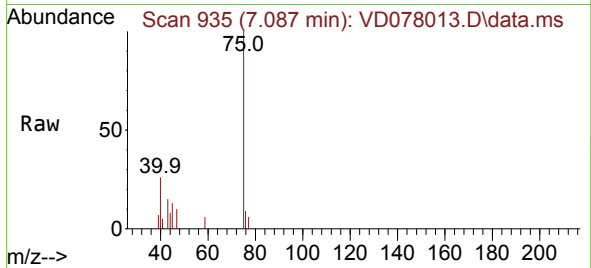




#25
2-Butanone
Concen: Below Cal
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD078013.D
Acq: 21 Dec 2023 01:19

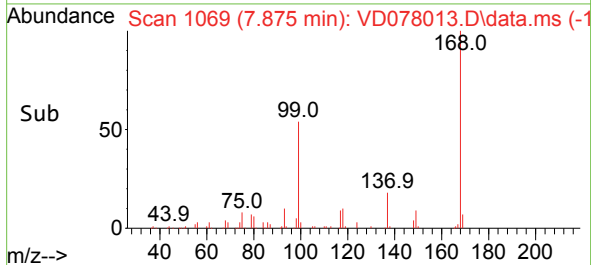
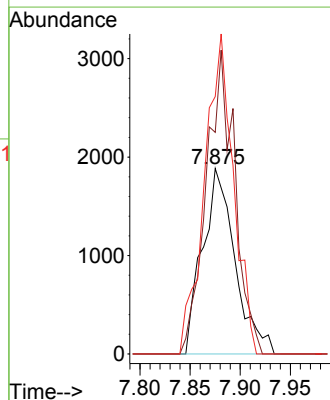
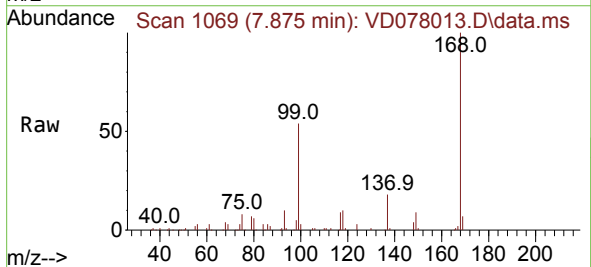
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 681
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.140 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078013.D
Acq: 21 Dec 2023 01:19

Tgt Ion: 56 Resp: 4246
Ion Ratio Lower Upper
56 100
69 119.5 28.6 43.0#
84 138.9 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 37.025 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD078013.D

Acq: 21 Dec 2023 01:19

Instrument :

MSVOA_D

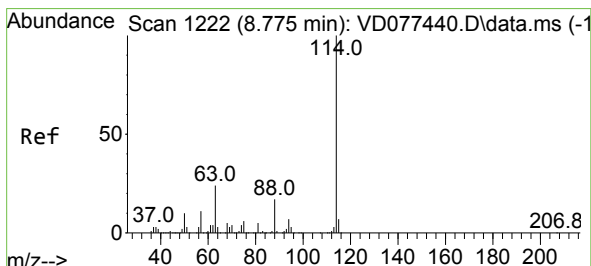
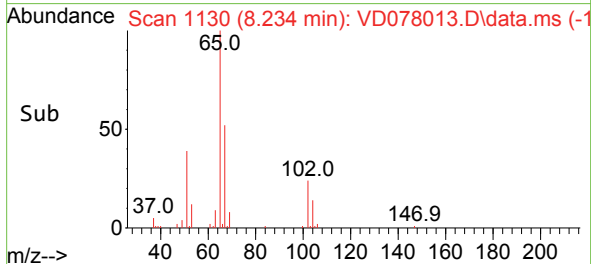
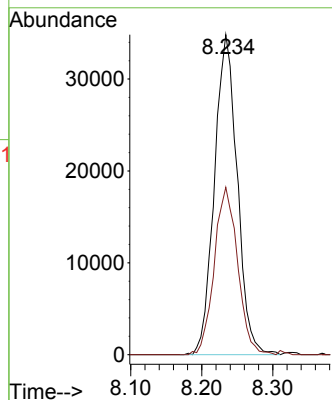
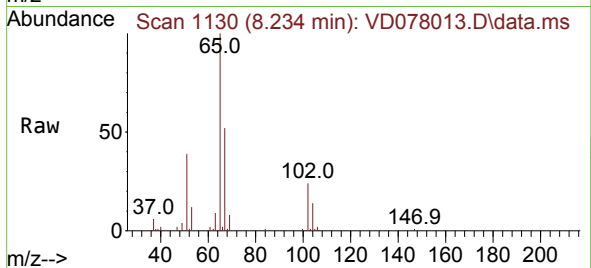
ClientSampleId :

Tgt Ion: 65 Resp: 77558

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: VD078013.D

Acq: 21 Dec 2023 01:19

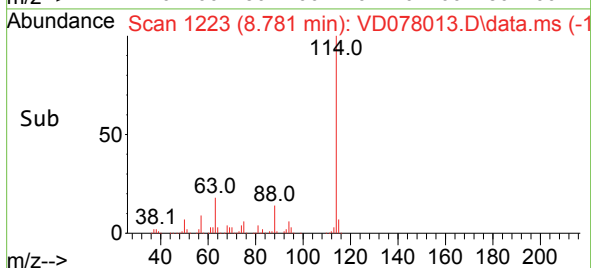
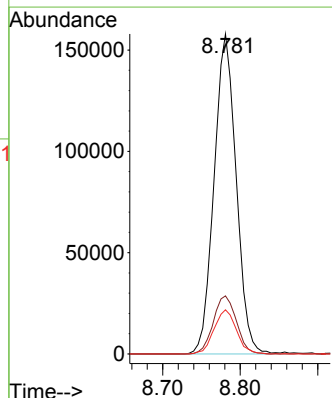
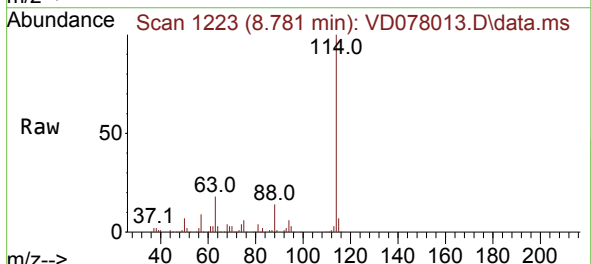
Tgt Ion: 114 Resp: 312842

Ion Ratio Lower Upper

114 100

63 18.2 0.0 33.4

88 13.8 0.0 26.2

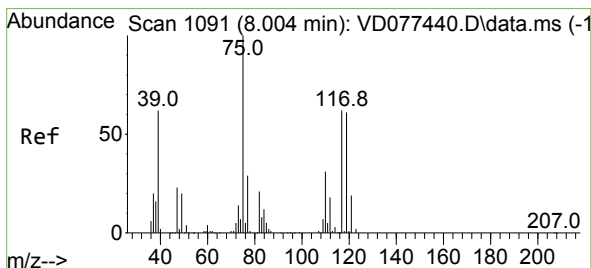
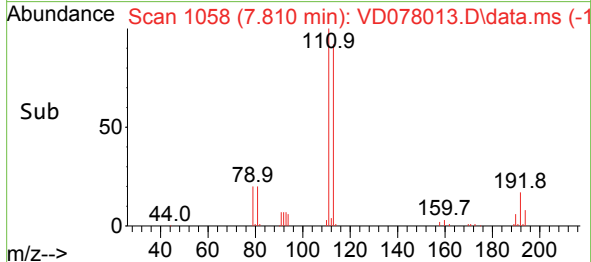
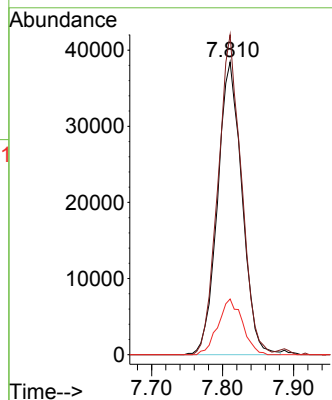
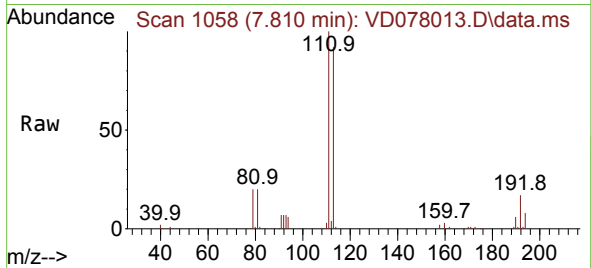




#35
 Dibromofluoromethane
 Concen: 41.799 ug/l
 RT: 7.810 min Scan# 1058
 Delta R.T. 0.006 min
 Lab File: VD078013.D
 Acq: 21 Dec 2023 01:19

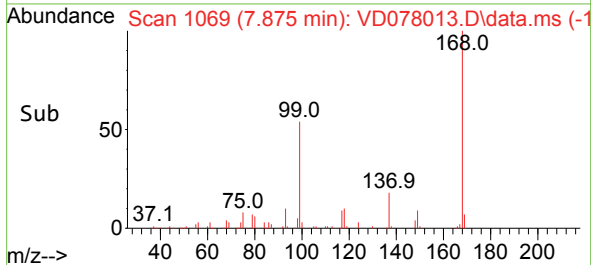
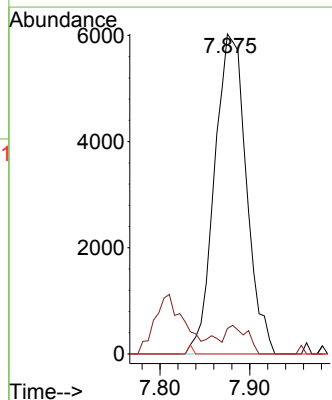
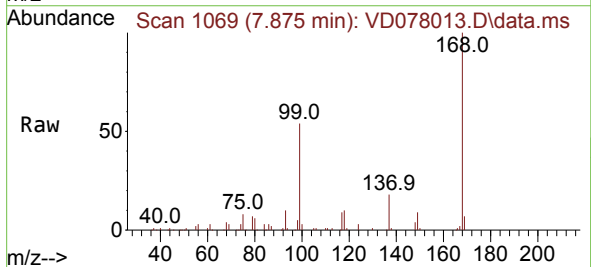
Instrument :
 MSVOA_D
 ClientSampleId :

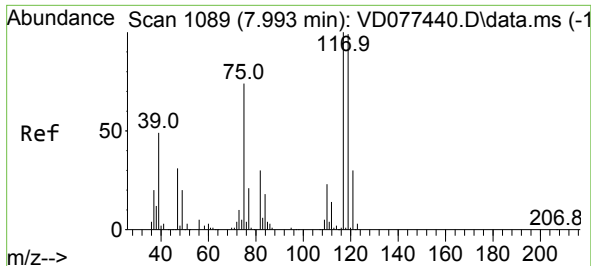
Tgt Ion:113 Resp: 91597
 Ion Ratio Lower Upper
 113 100
 111 105.1 84.7 127.1
 192 19.0 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.223 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.129 min
 Lab File: VD078013.D
 Acq: 21 Dec 2023 01:19

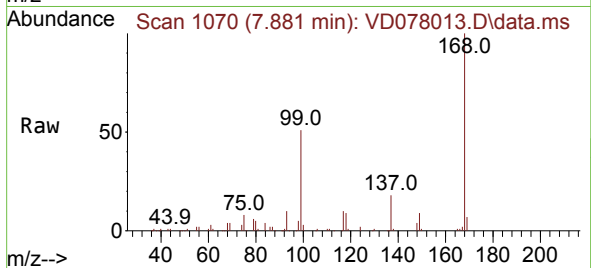
Tgt Ion: 75 Resp: 14801
 Ion Ratio Lower Upper
 75 100
 110 5.8 19.9 59.6#
 77 0.0 24.7 37.1#



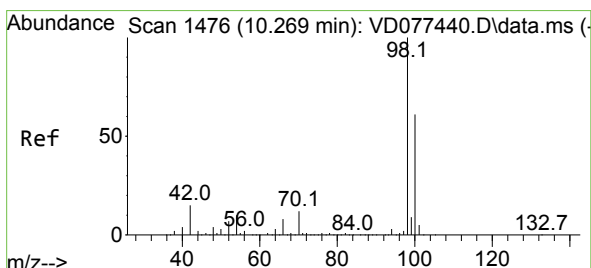
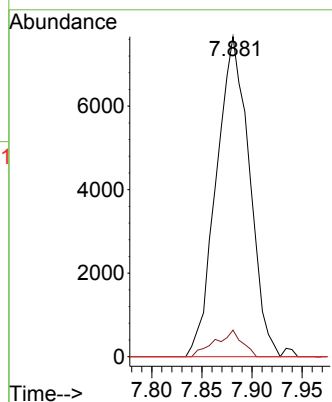
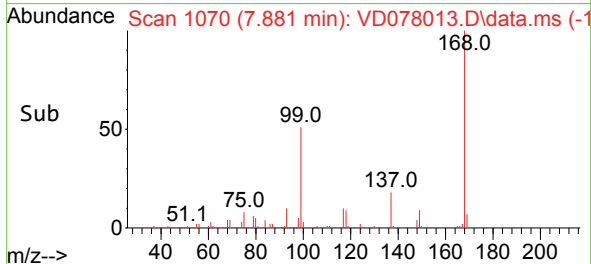


#38
Carbon Tetrachloride
Concen: 5.026 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD078013.D
Acq: 21 Dec 2023 01:19

Instrument :
MSVOA_D
ClientSampleId :

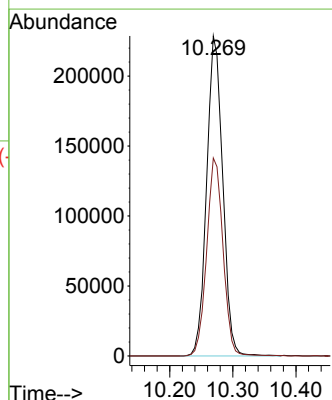
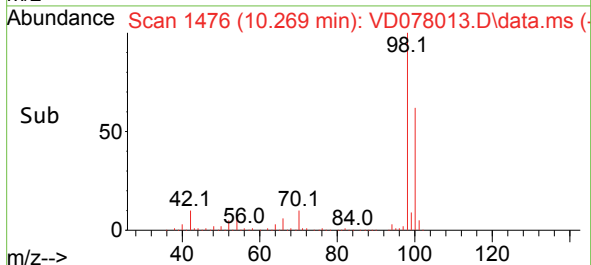
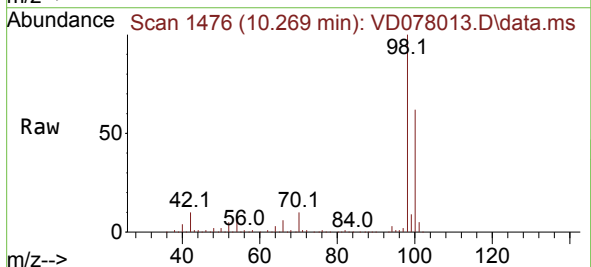


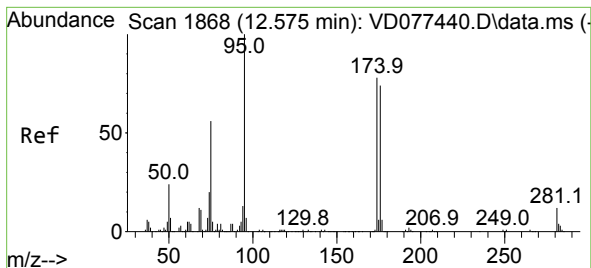
Tgt Ion:117 Resp: 17563
Ion Ratio Lower Upper
117 100
119 8.3 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 46.019 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078013.D
Acq: 21 Dec 2023 01:19

Tgt Ion: 98 Resp: 403891
Ion Ratio Lower Upper
98 100
100 62.8 50.3 75.5

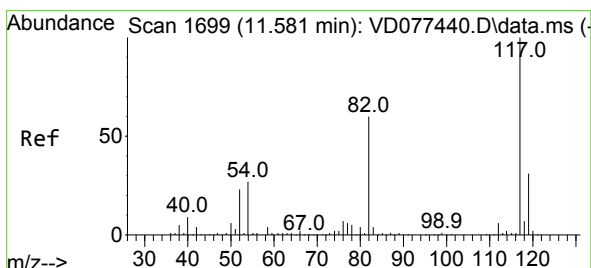
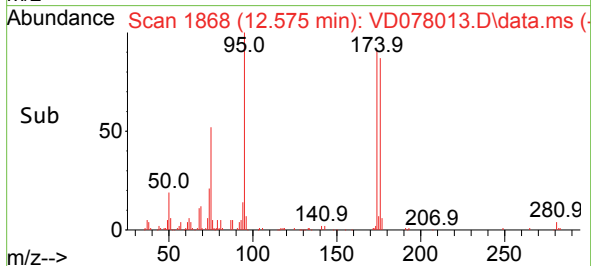
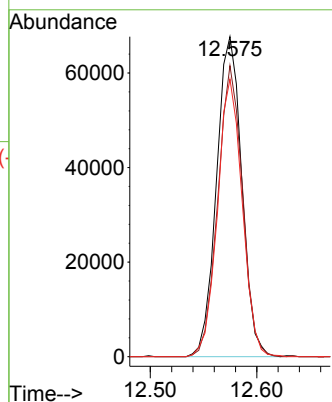
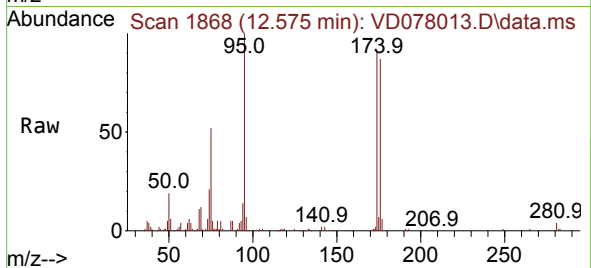




#62
4-Bromofluorobenzene
Concen: 42.402 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078013.D
Acq: 21 Dec 2023 01:19

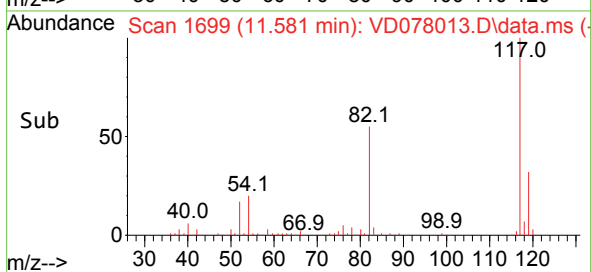
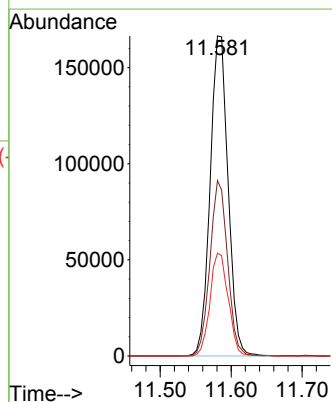
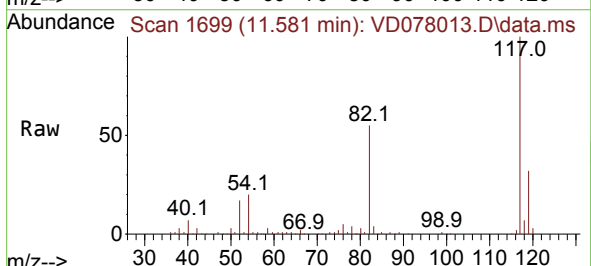
Instrument :
MSVOA_D
ClientSampleId :

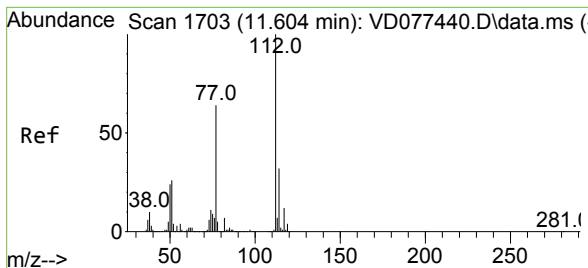
Tgt Ion: 95 Resp: 111263
Ion Ratio Lower Upper
95 100
174 88.8 0.0 201.8
176 84.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078013.D
Acq: 21 Dec 2023 01:19

Tgt Ion: 117 Resp: 291693
Ion Ratio Lower Upper
117 100
82 54.8 38.3 57.5
119 32.2 25.0 37.4

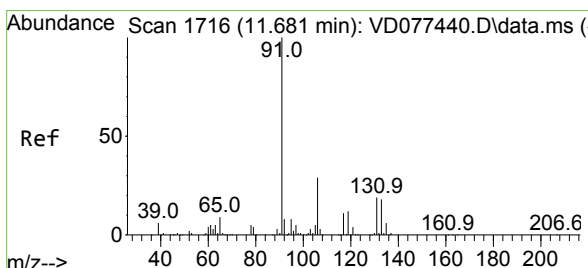
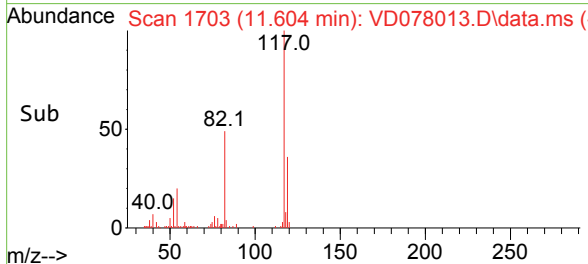
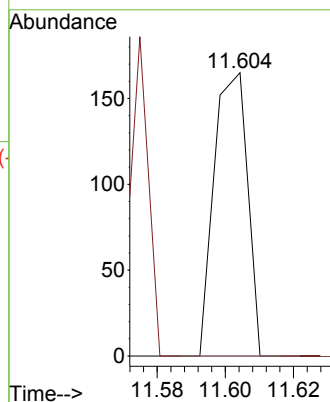
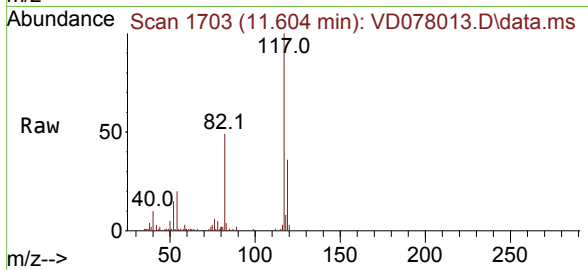




#65
Chlorobenzene
Concen: Below Cal
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD078013.D
Acq: 21 Dec 2023 01:19

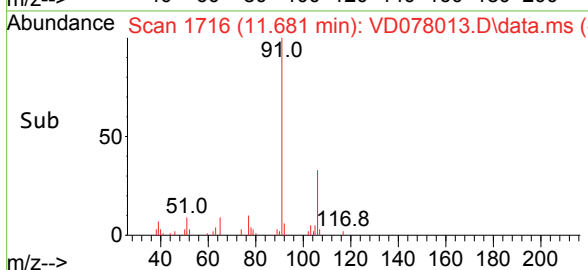
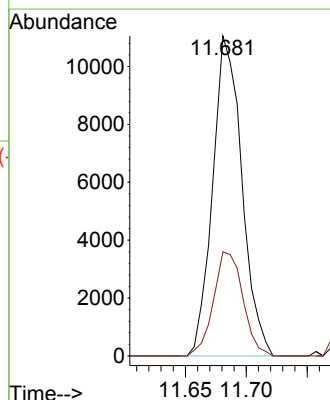
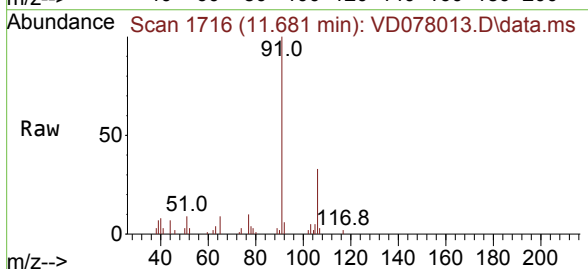
Instrument :
MSVOA_D
ClientSampleId :

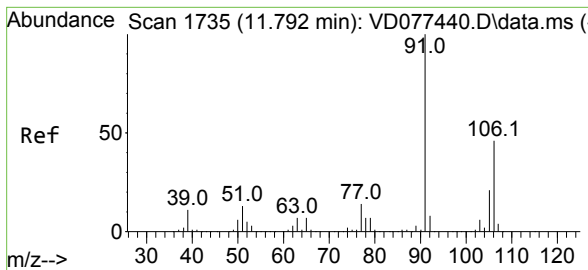
Tgt Ion:112 Resp: 112
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#67
Ethyl Benzene
Concen: 1.516 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD078013.D
Acq: 21 Dec 2023 01:19

Tgt Ion: 91 Resp: 18409
Ion Ratio Lower Upper
91 100
106 32.5 26.5 39.7

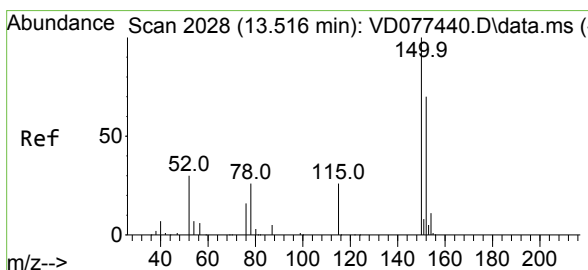
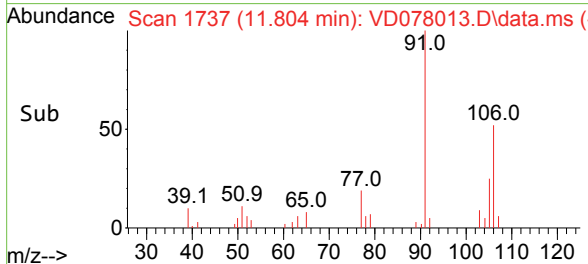
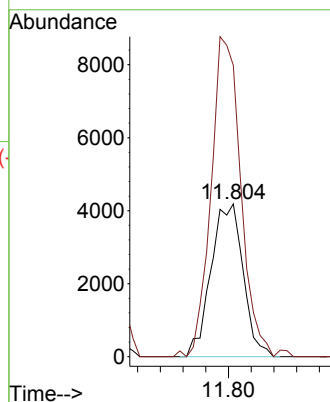
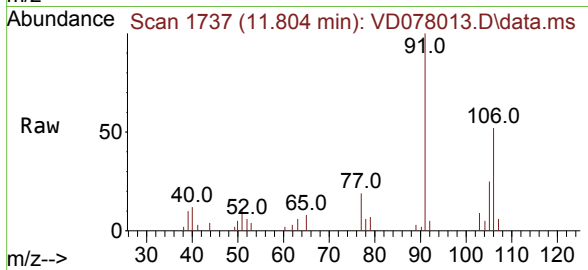




#68
m/p-Xylenes
Concen: 1.769 ug/l
RT: 11.804 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD078013.D
Acq: 21 Dec 2023 01:19

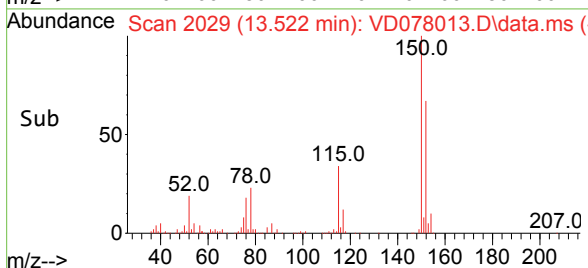
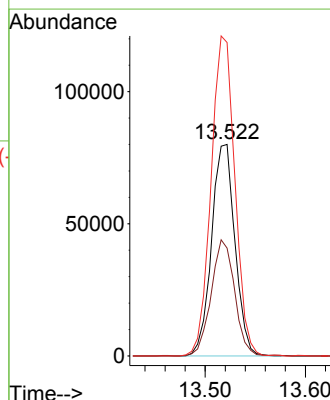
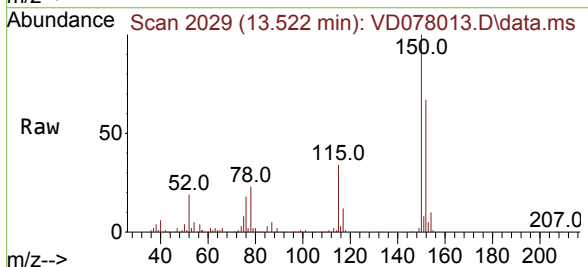
Instrument :
MSVOA_D
ClientSampleId :

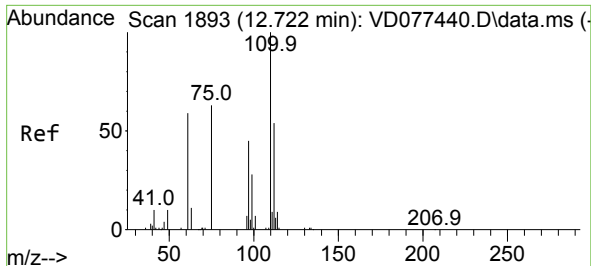
Tgt Ion:106 Resp: 8215
Ion Ratio Lower Upper
106 100
91 194.9 147.0 220.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD078013.D
Acq: 21 Dec 2023 01:19

Tgt Ion:152 Resp: 129772
Ion Ratio Lower Upper
152 100
115 55.2 27.1 81.3
150 153.8 0.0 353.6

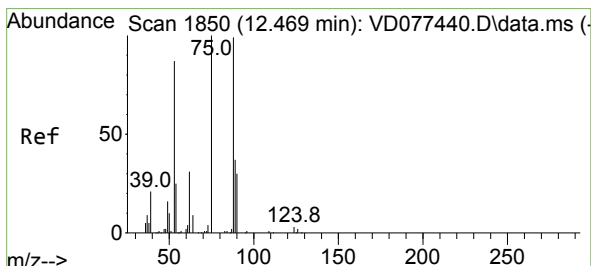
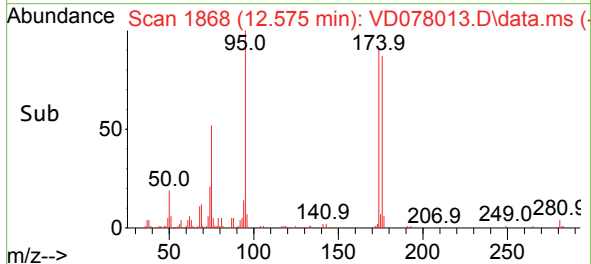
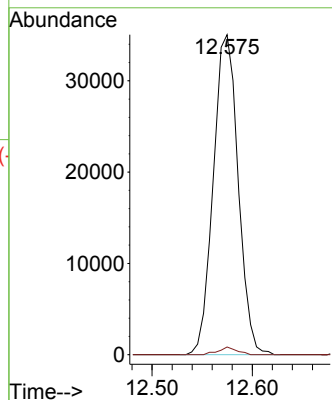
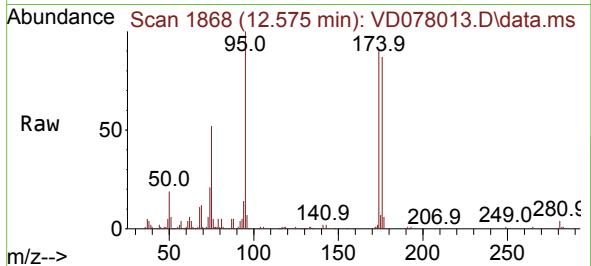




#76
1,2,3-Trichloropropane
Concen: 53.592 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078013.D
Acq: 21 Dec 2023 01:19

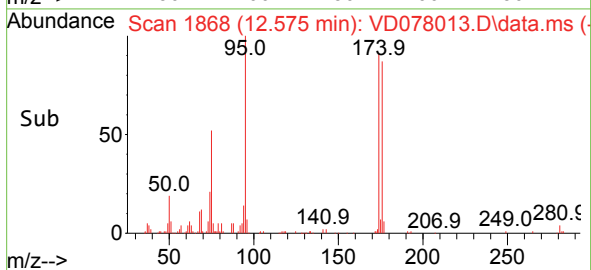
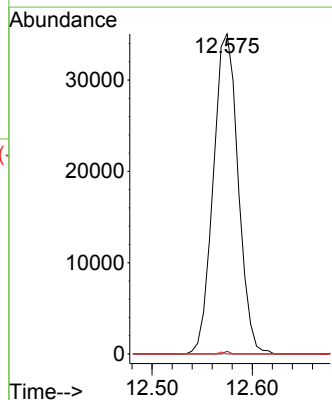
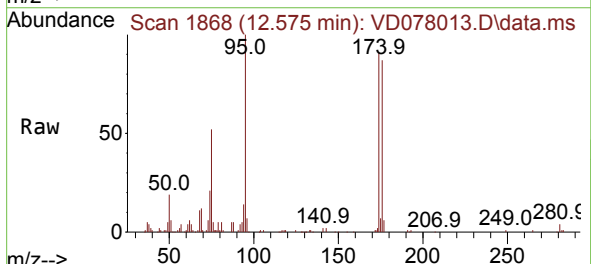
Instrument :
MSVOA_D
ClientSampleId :

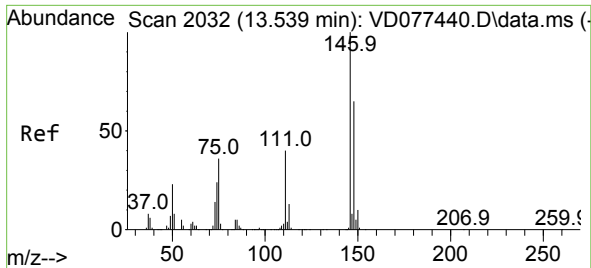
Tgt Ion: 75 Resp: 60402
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.581 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078013.D
Acq: 21 Dec 2023 01:19

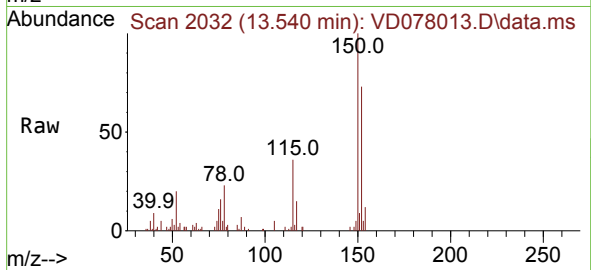
Tgt Ion: 75 Resp: 60402
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.1 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.540 min Scan# 2032
 Delta R.T. 0.001 min
 Lab File: VD078013.D
 Acq: 21 Dec 2023 01:19

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	322
Ion	Ratio	Lower	Upper
146	100		
111	0.0	17.4	52.3#
148	0.0	31.7	95.1#

