

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078031.D
 Acq On : 21 Dec 2023 17:39
 Operator : RP/MD
 Sample : 05877-02
 Misc : 3.85G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 22 05:26:16 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)

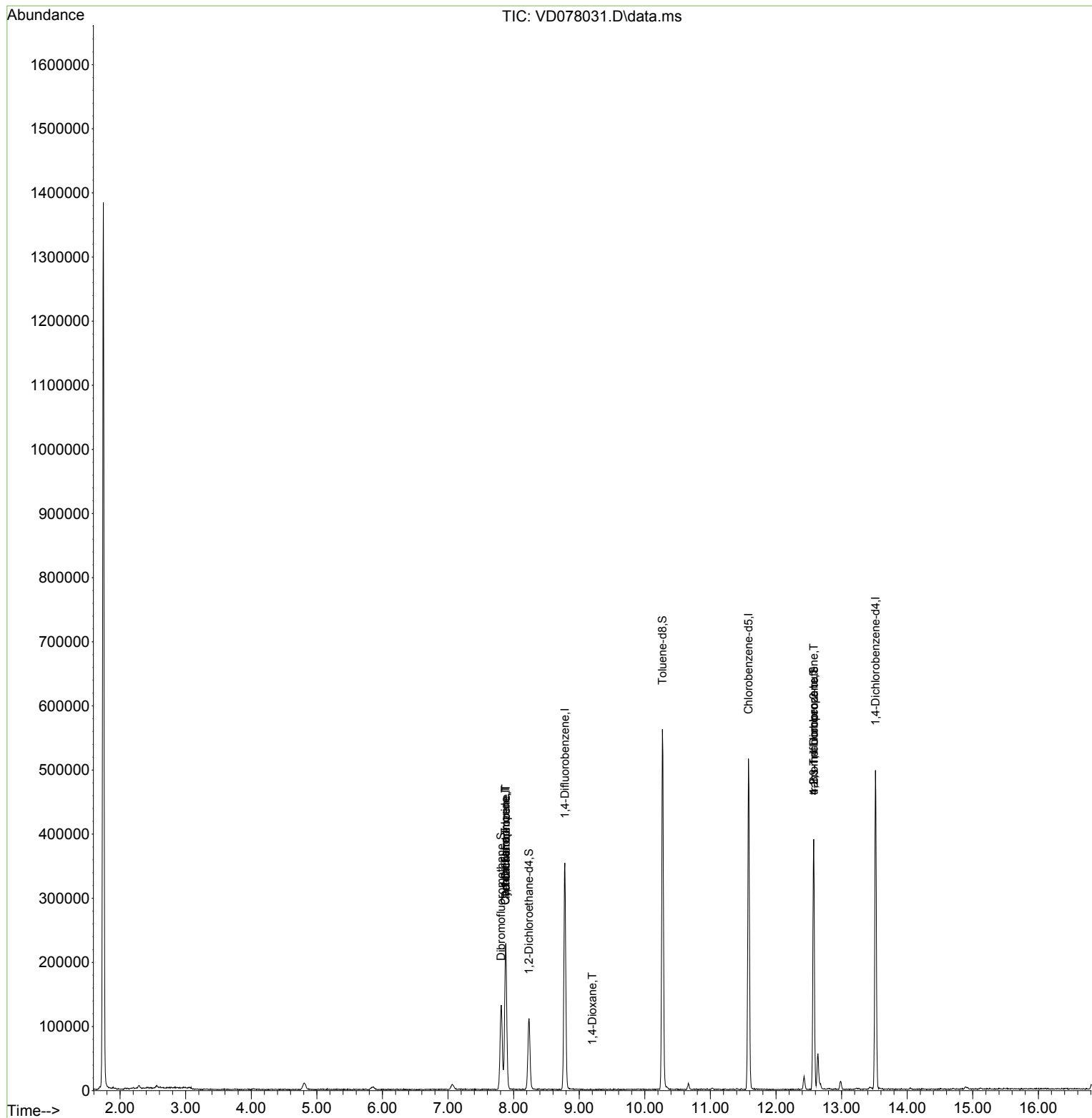
Internal Standards						
1) Pentafluorobenzene	7.881	168	173692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	313492	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	302400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	135533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	86342	42.186	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.380%
35) Dibromofluoromethane	7.810	113	94248	42.920	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.840%
50) Toluene-d8	10.269	98	392923	44.676	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.360%
62) 4-Bromofluorobenzene	12.575	95	116000	44.116	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.240%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.064	59	457	Below Cal	#	73
16) Acetone	4.034	43	1215	Below Cal		89
20) Methylene Chloride	4.799	84	8308	Below Cal		94
25) 2-Butanone	7.099	43	80	Below Cal	#	37
31) Cyclohexane	7.875	56	3723	1.023	ug/l #	7
36) 1,1-Dichloropropene	7.881	75	14292	4.069	ug/l #	47
38) Carbon Tetrachloride	7.875	117	16951	4.841	ug/l #	15
49) 1,4-Dioxane	9.199	88	54	4.241	ug/l #	1
65) Chlorobenzene	11.581	112	113	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.575	75	60849	51.694	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	60849	104.735	ug/l #	17
88) 1,4-Dichlorobenzene	13.516	146	151	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.563	75	54	Below Cal	#	1

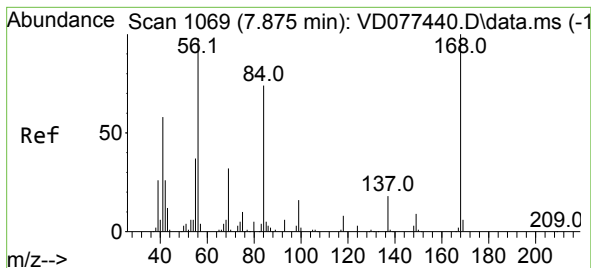
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 22 05:26:16 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: VD078031.D

Acq: 21 Dec 2023 17:39

Instrument :

MSVOA_D

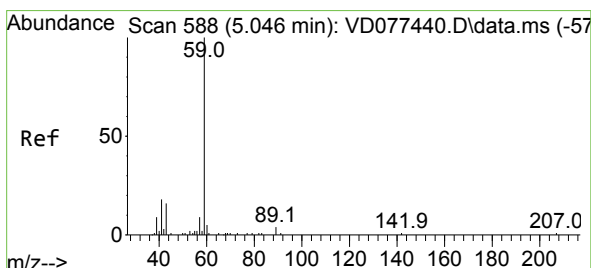
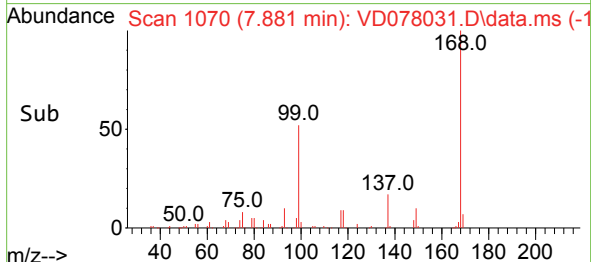
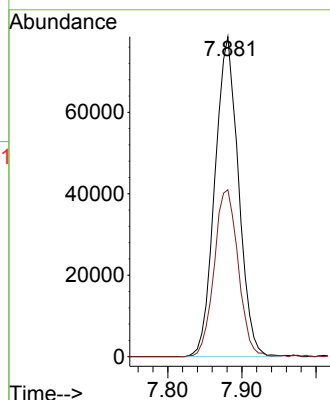
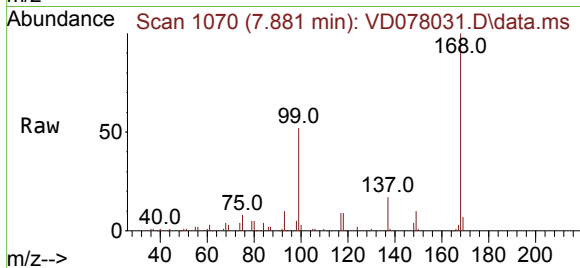
ClientSampleId :

Tgt Ion:168 Resp: 173692

Ion Ratio Lower Upper

168 100

99 52.1 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.064 min Scan# 591

Delta R.T. 0.018 min

Lab File: VD078031.D

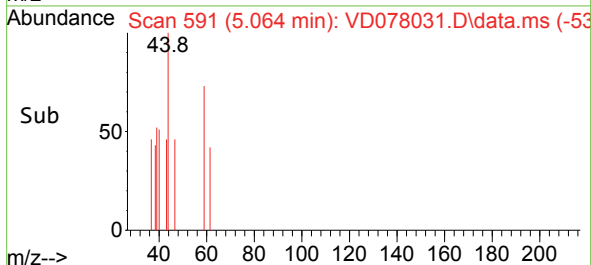
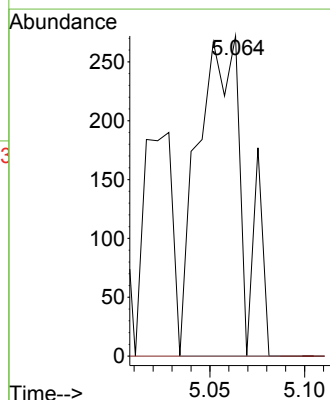
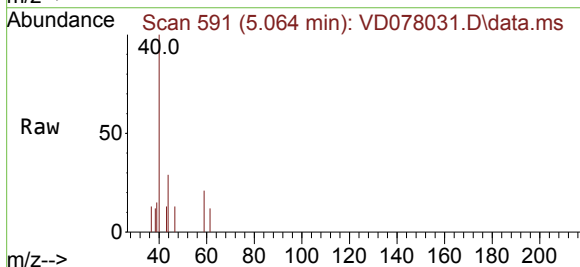
Acq: 21 Dec 2023 17:39

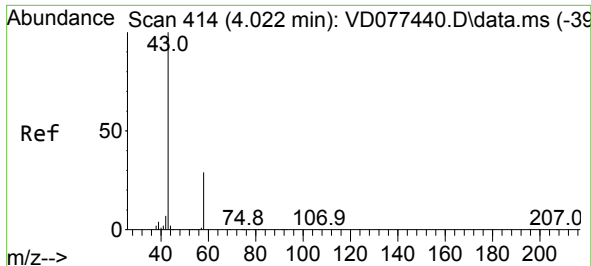
Tgt Ion: 59 Resp: 457

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

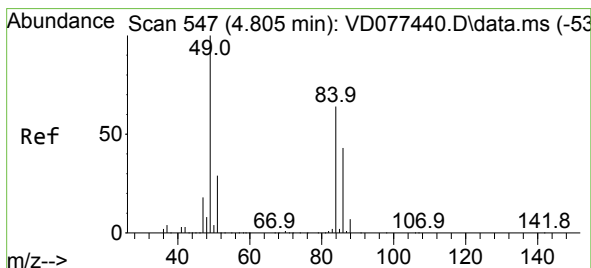
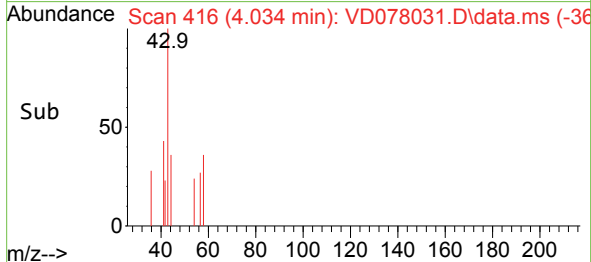
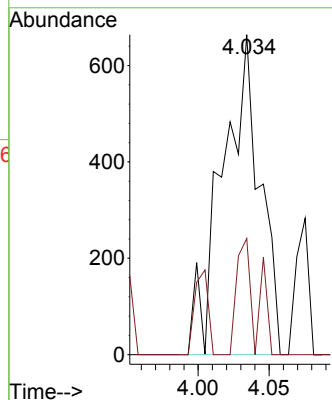
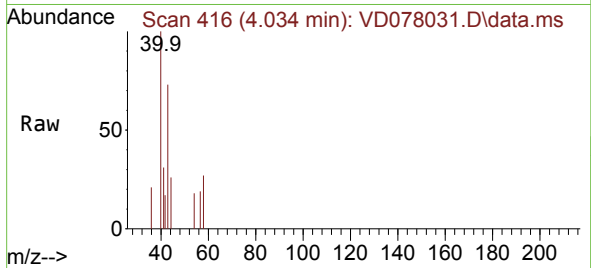




#16
Acetone
Concen: Below Cal
RT: 4.034 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD078031.D
Acq: 21 Dec 2023 17:39

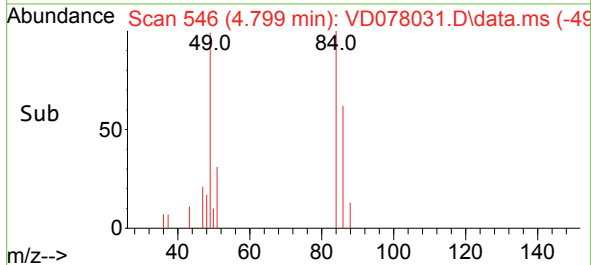
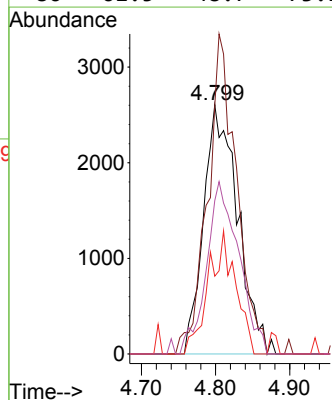
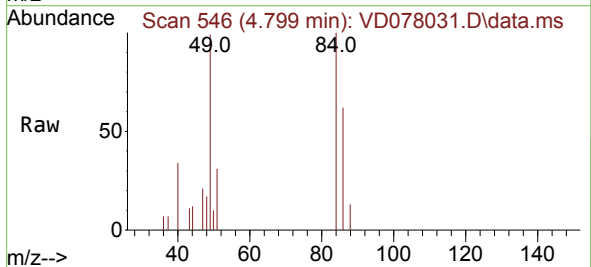
Instrument :
MSVOA_D
ClientSampleId :

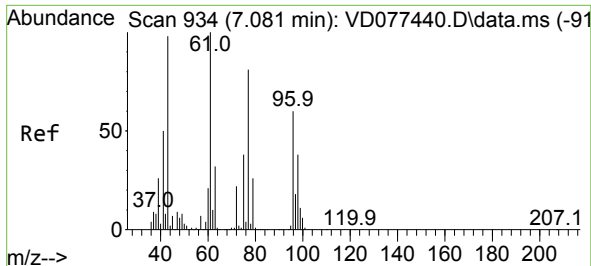
Tgt Ion: 43 Resp: 1215
Ion Ratio Lower Upper
43 100
58 36.3 34.7 52.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD078031.D
Acq: 21 Dec 2023 17:39

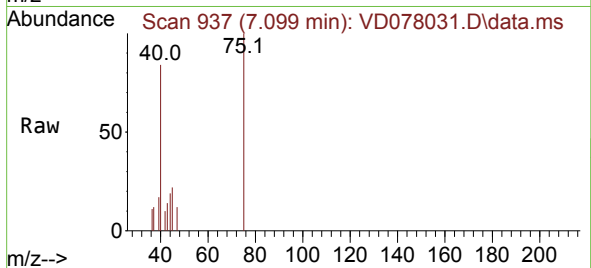
Tgt Ion: 84 Resp: 8308
Ion Ratio Lower Upper
84 100
49 99.4 71.4 107.2
51 31.2 24.5 36.7
86 61.5 48.7 73.1



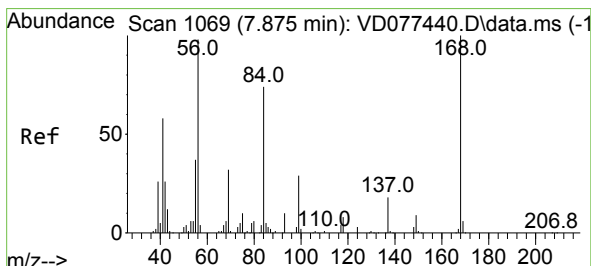
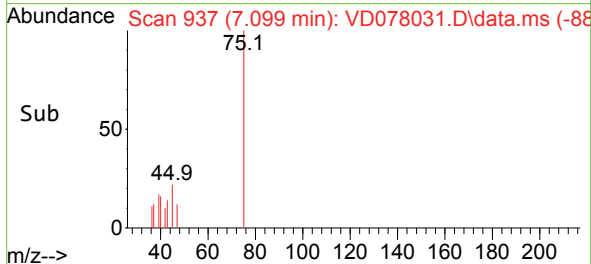
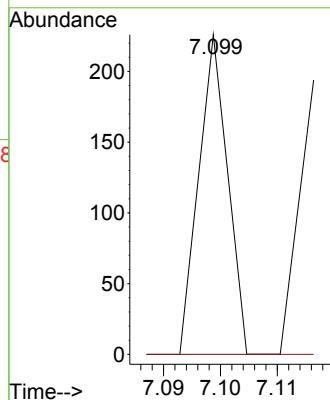


#25
2-Butanone
Concen: Below Cal
RT: 7.099 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD078031.D
Acq: 21 Dec 2023 17:39

Instrument :
MSVOA_D
ClientSampleId :

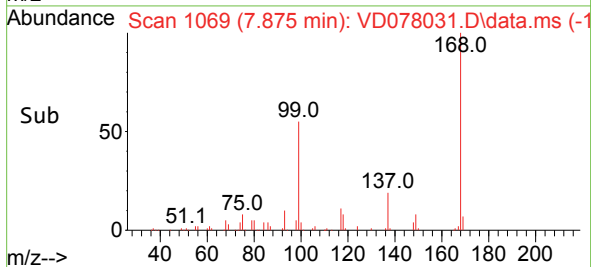
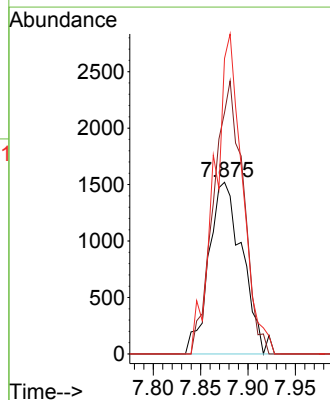
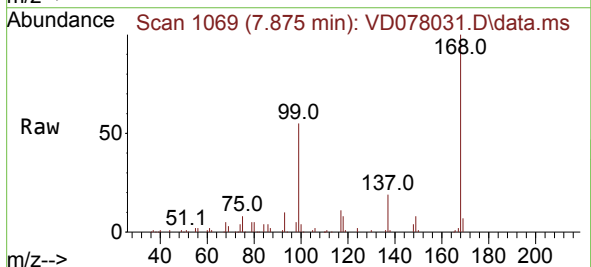


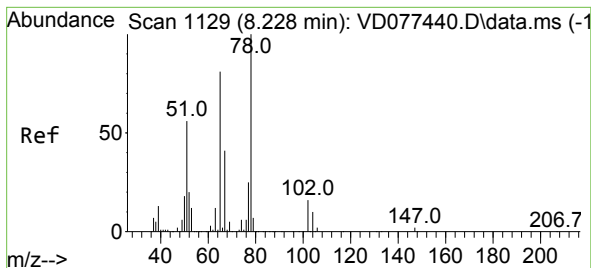
Tgt Ion: 43 Resp: 80
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.023 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078031.D
Acq: 21 Dec 2023 17:39

Tgt Ion: 56 Resp: 3723
Ion Ratio Lower Upper
56 100
69 140.6 28.6 43.0#
84 172.2 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 42.186 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078031.D

Acq: 21 Dec 2023 17:39

Instrument :

MSVOA_D

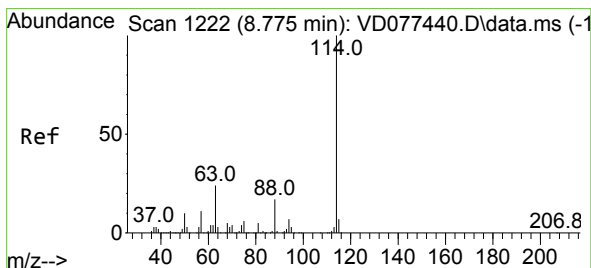
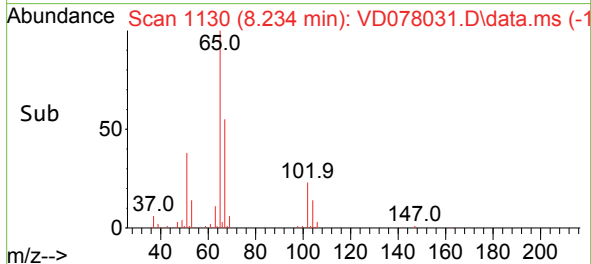
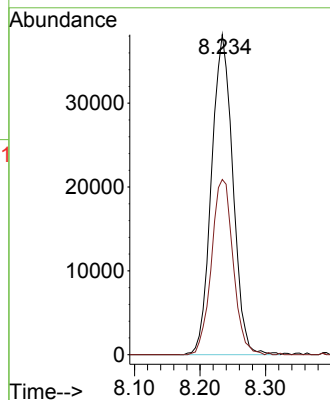
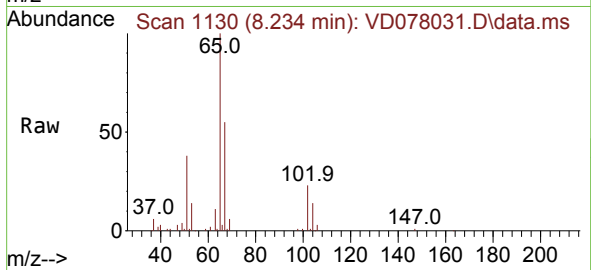
ClientSampleId :

Tgt Ion: 65 Resp: 86342

Ion Ratio Lower Upper

65 100

67 55.6 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: VD078031.D

Acq: 21 Dec 2023 17:39

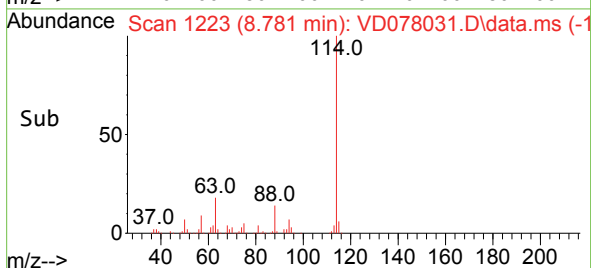
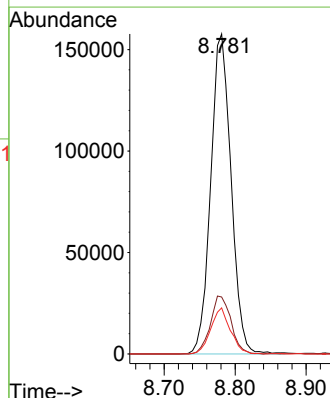
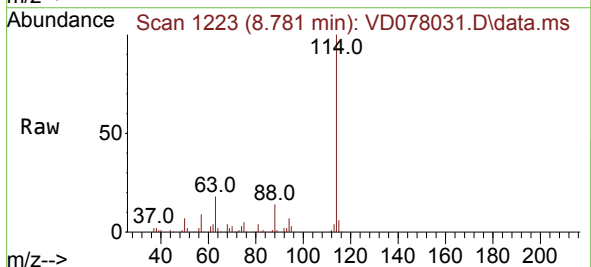
Tgt Ion: 114 Resp: 313492

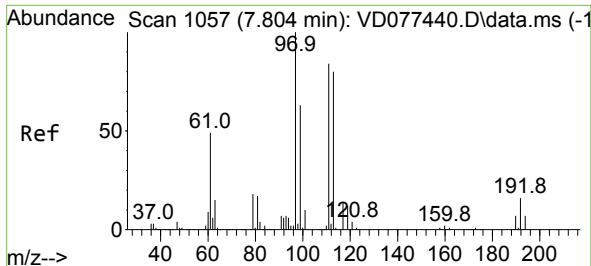
Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.4

88 14.4 0.0 26.2

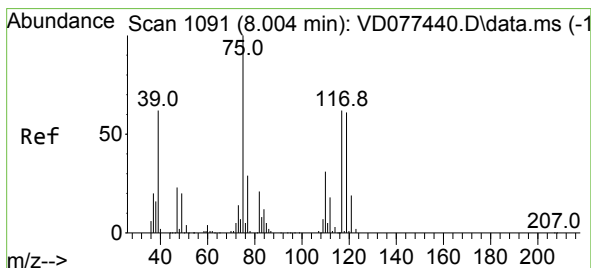
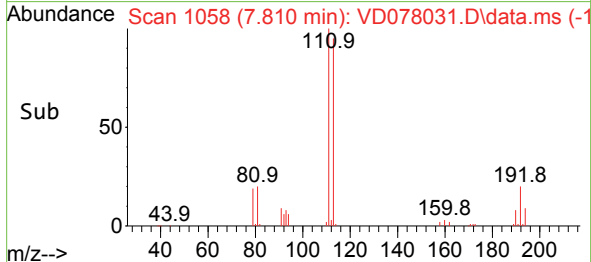
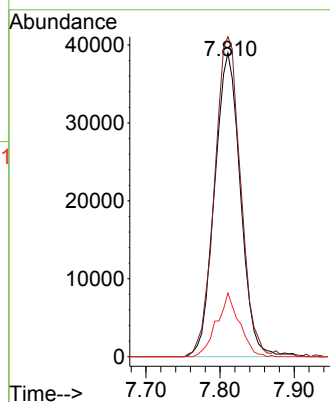
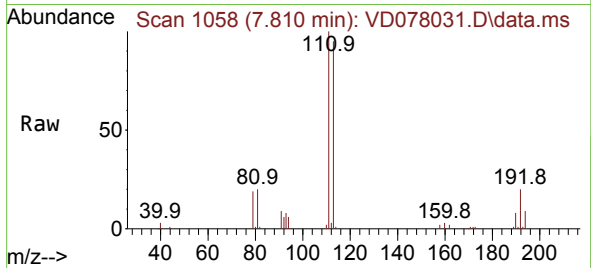




#35
 Dibromofluoromethane
 Concen: 42.920 ug/l
 RT: 7.810 min Scan# 1058
 Delta R.T. 0.006 min
 Lab File: VD078031.D
 Acq: 21 Dec 2023 17:39

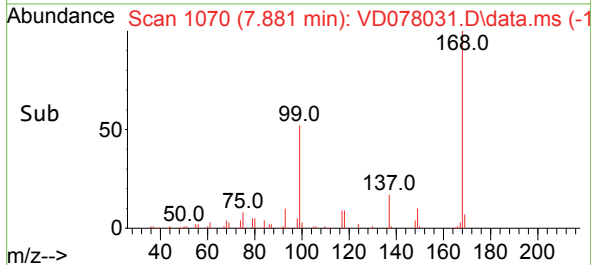
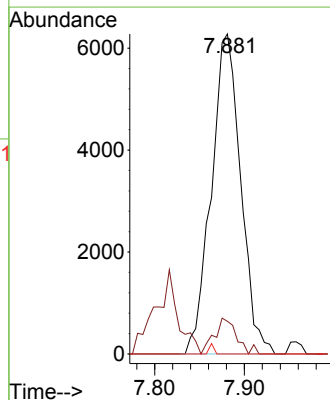
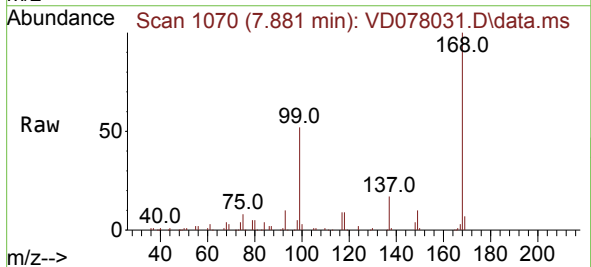
Instrument :
 MSVOA_D
 ClientSampleId :

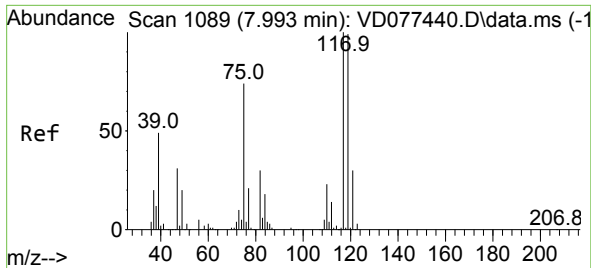
Tgt Ion:113 Resp: 94248
 Ion Ratio Lower Upper
 113 100
 111 106.4 84.7 127.1
 192 18.5 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.069 ug/l
 RT: 7.881 min Scan# 1070
 Delta R.T. -0.123 min
 Lab File: VD078031.D
 Acq: 21 Dec 2023 17:39

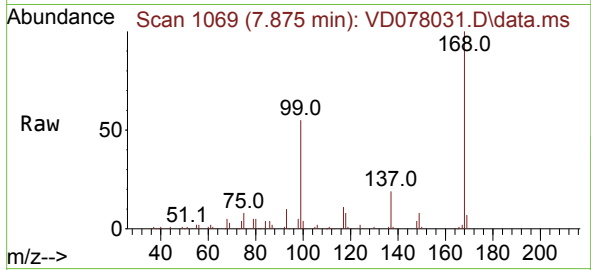
Tgt Ion: 75 Resp: 14292
 Ion Ratio Lower Upper
 75 100
 110 8.5 19.9 59.6#
 77 0.5 24.7 37.1#



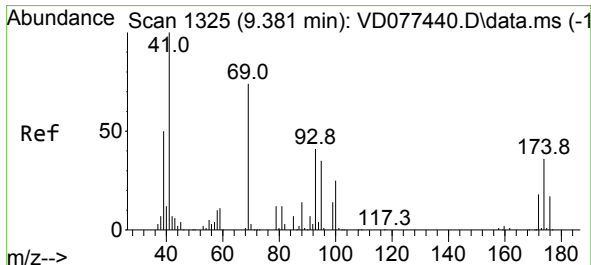
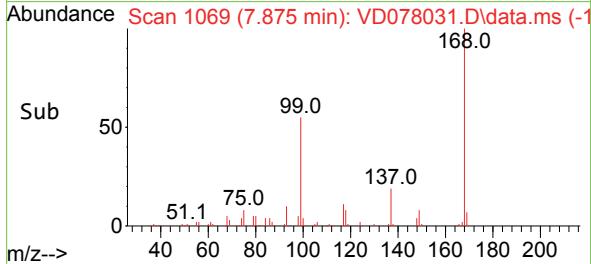
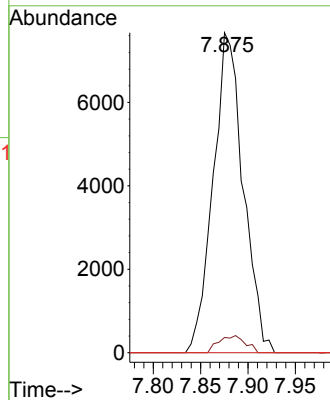


#38
Carbon Tetrachloride
Concen: 4.841 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD078031.D
Acq: 21 Dec 2023 17:39

Instrument :
MSVOA_D
ClientSampleId :

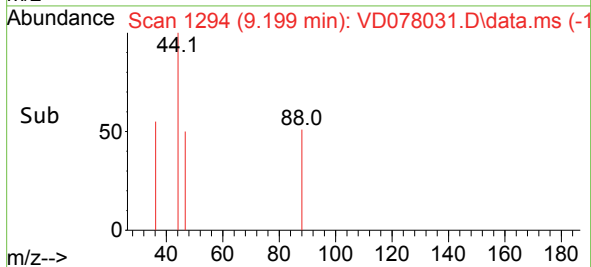
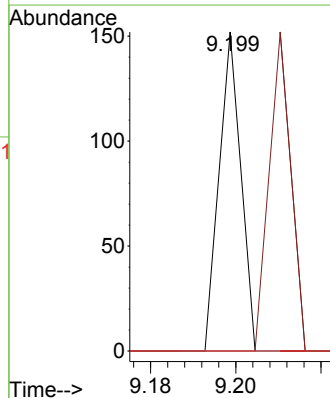
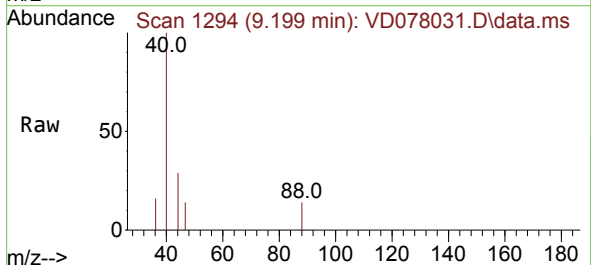


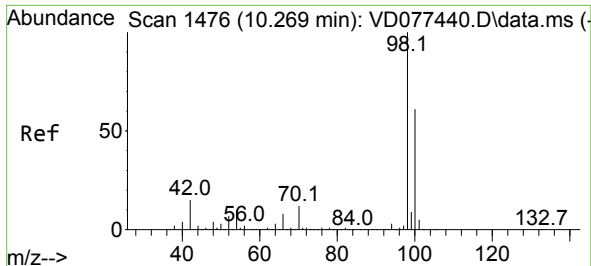
Tgt Ion: 117 Resp: 16951
Ion Ratio Lower Upper
117 100
119 4.8 78.0 117.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 4.241 ug/l
RT: 9.199 min Scan# 1294
Delta R.T. -0.182 min
Lab File: VD078031.D
Acq: 21 Dec 2023 17:39

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 100.0 19.0 28.6#
58 0.0 43.5 65.3#

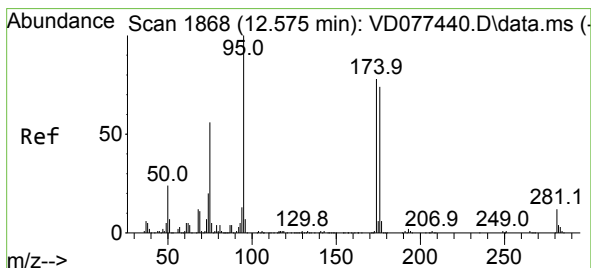
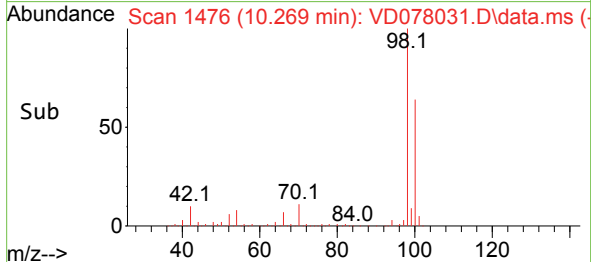
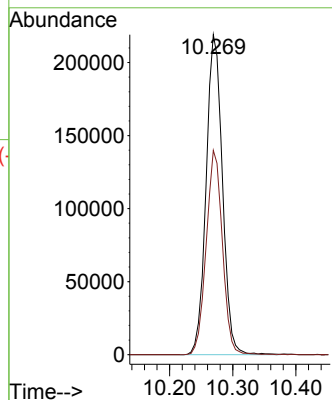
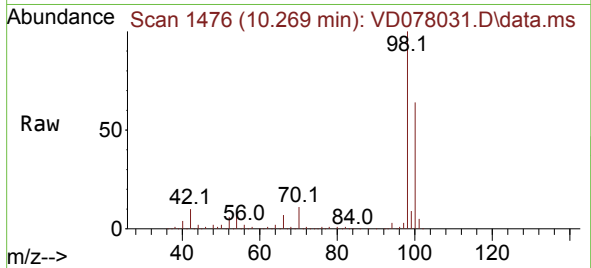




#50
Toluene-d8
Concen: 44.676 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078031.D
Acq: 21 Dec 2023 17:39

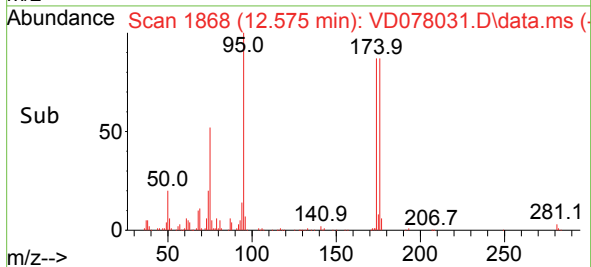
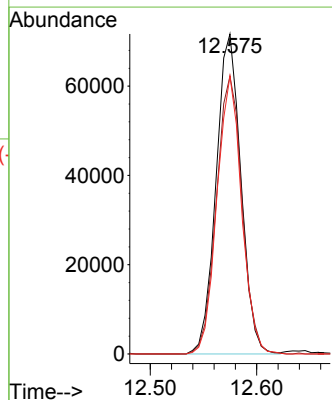
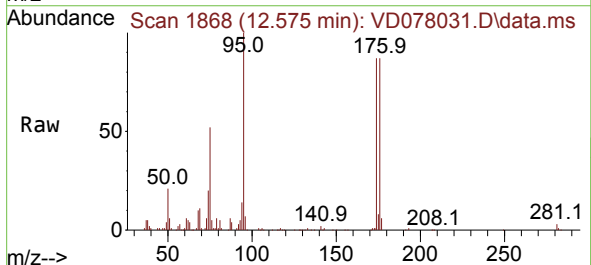
Instrument :
MSVOA_D
ClientSampleId :

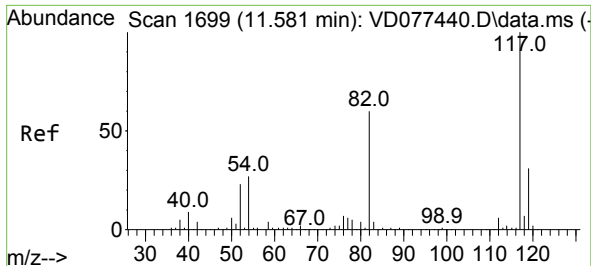
Tgt Ion: 98 Resp: 392923
Ion Ratio Lower Upper
98 100
100 63.4 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 44.116 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078031.D
Acq: 21 Dec 2023 17:39

Tgt Ion: 95 Resp: 116000
Ion Ratio Lower Upper
95 100
174 89.5 0.0 201.8
176 85.8 0.0 191.8

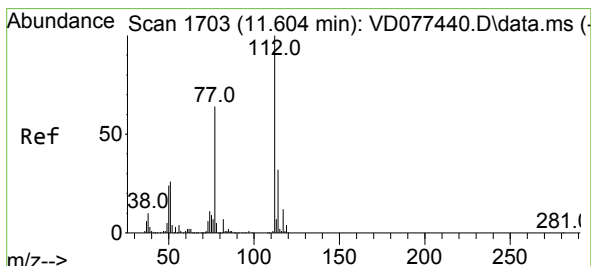
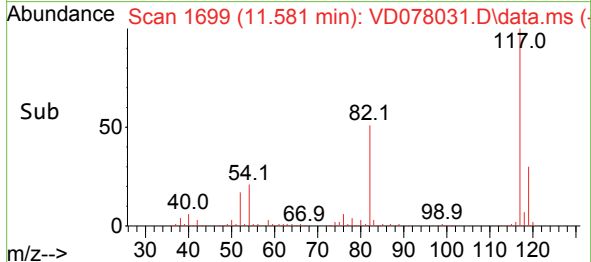
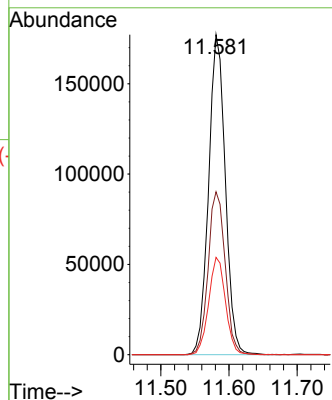
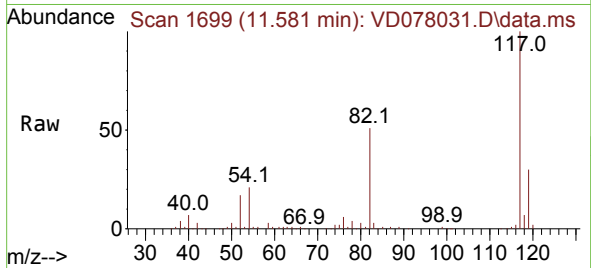




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078031.D
Acq: 21 Dec 2023 17:39

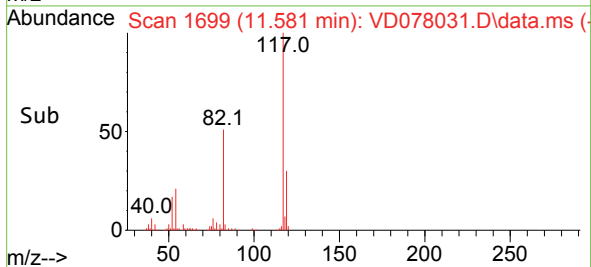
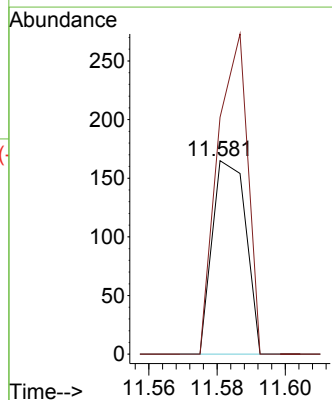
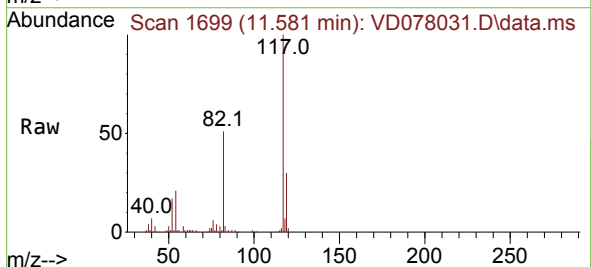
Instrument :
MSVOA_D
ClientSampleId :

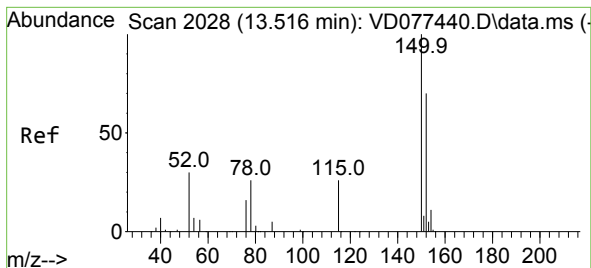
Tgt Ion:117 Resp: 302400
Ion Ratio Lower Upper
117 100
82 50.9 38.3 57.5
119 30.4 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.581 min Scan# 1699
Delta R.T. -0.023 min
Lab File: VD078031.D
Acq: 21 Dec 2023 17:39

Tgt Ion:112 Resp: 113
Ion Ratio Lower Upper
112 100
114 122.4 25.1 37.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD078031.D

Acq: 21 Dec 2023 17:39

Instrument :

MSVOA_D

ClientSampleId :

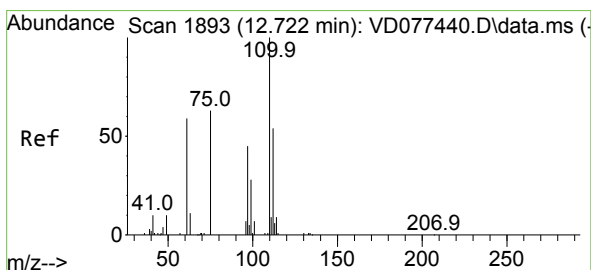
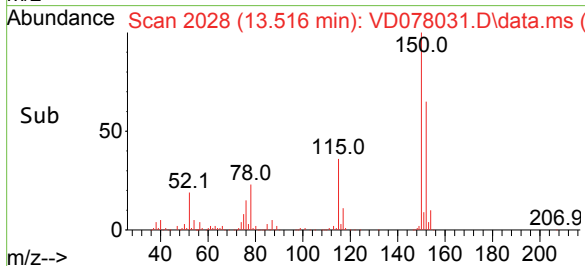
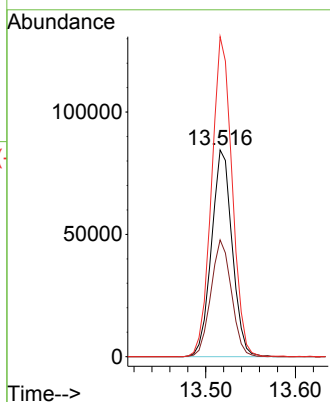
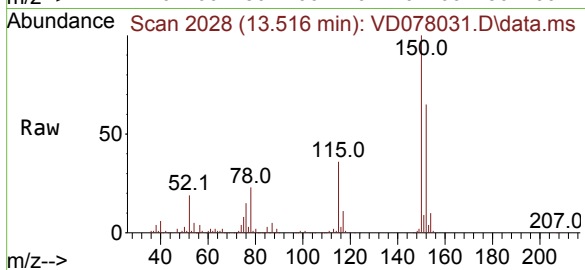
Tgt Ion:152 Resp: 135533

Ion Ratio Lower Upper

152 100

115 56.1 27.1 81.3

150 153.3 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 51.694 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078031.D

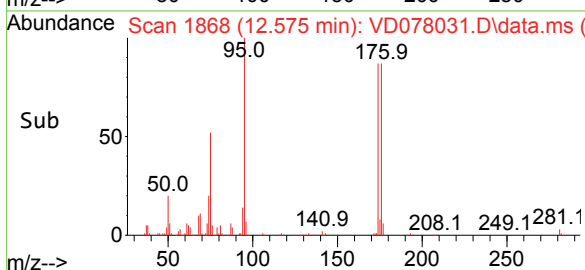
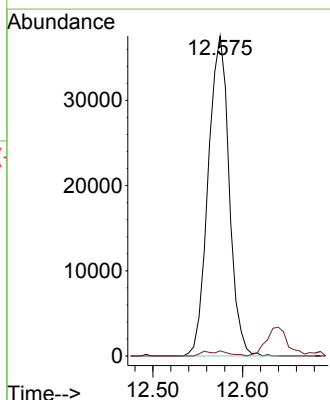
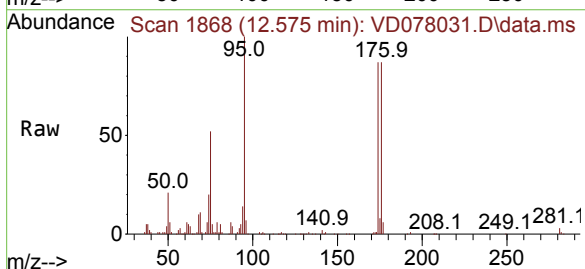
Acq: 21 Dec 2023 17:39

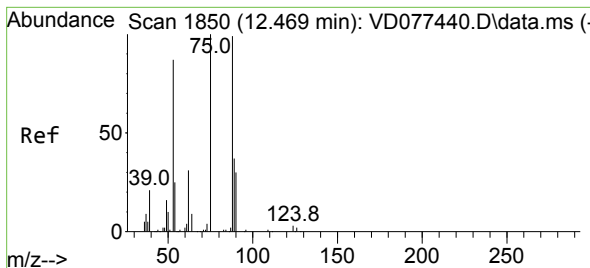
Tgt Ion: 75 Resp: 60849

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#

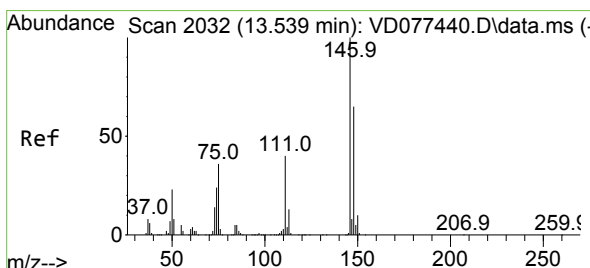
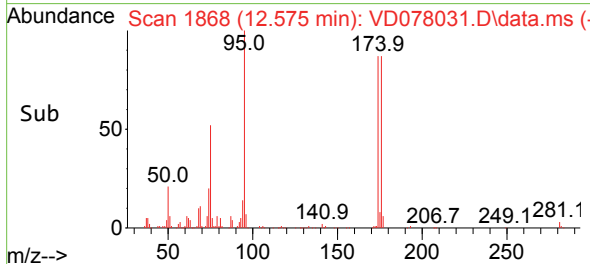
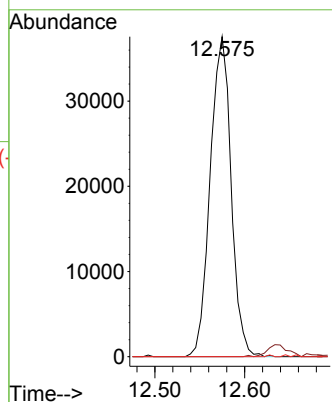
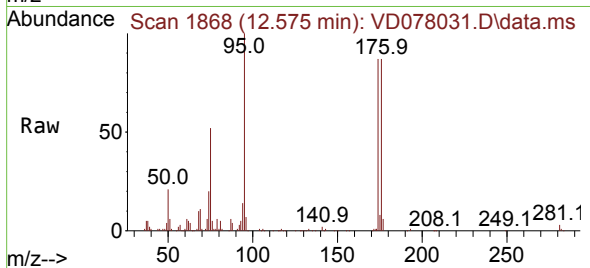




#81
trans-1,4-Dichloro-2-butene
Concen: 104.735 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD078031.D
Acq: 21 Dec 2023 17:39

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 60849
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: 13.516 min Scan# 2028
Delta R.T. -0.023 min
Lab File: VD078031.D
Acq: 21 Dec 2023 17:39

Tgt Ion: 146 Resp: 151
Ion Ratio Lower Upper
146 100
111 1245.0 17.4 52.3#
148 668.2 31.7 95.1#

