

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD077996.D
 Acq On : 20 Dec 2023 15:29
 Operator : RP/MD
 Sample : 05827-09
 Misc : 5.10G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:25:02 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)

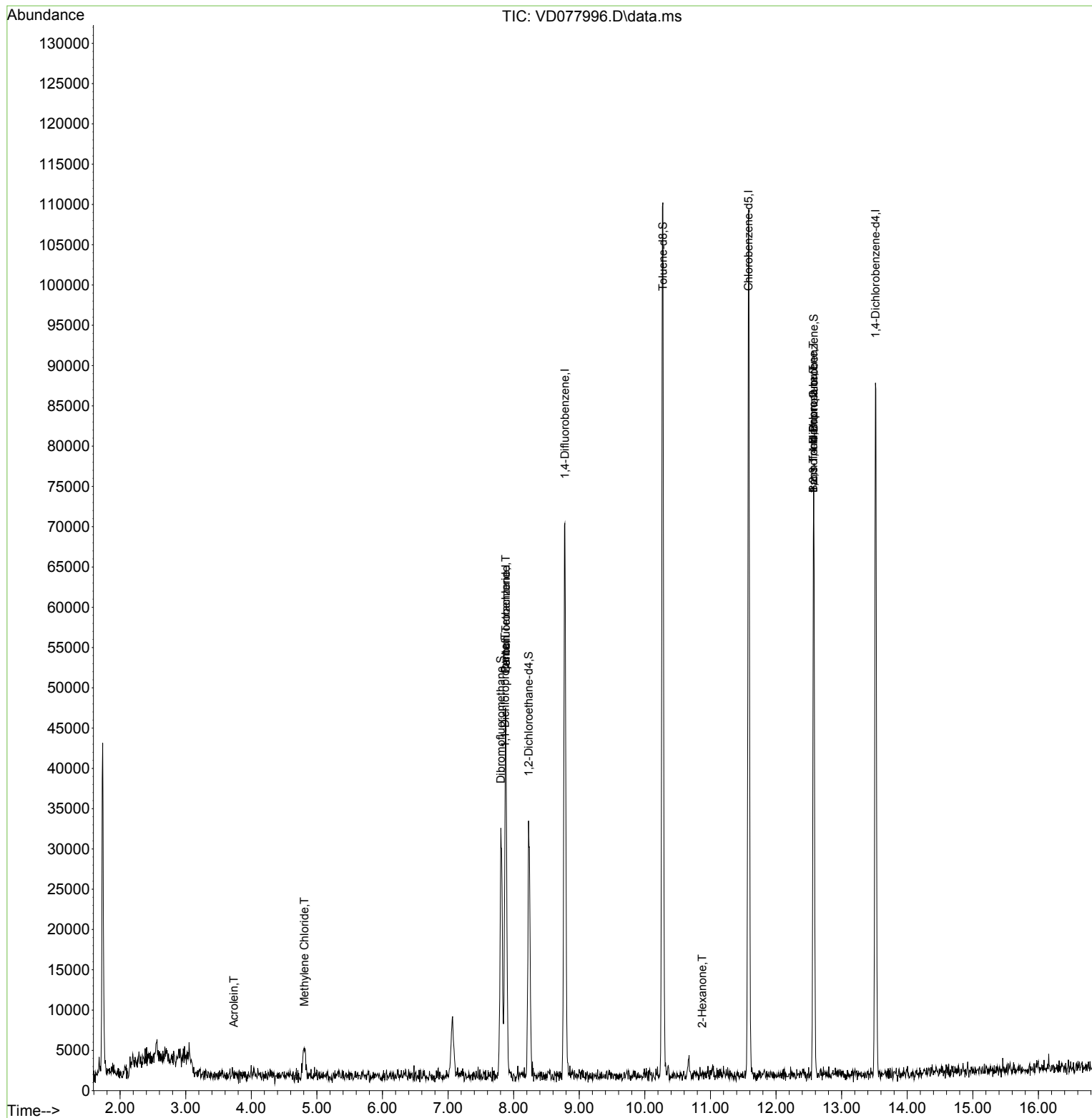
Internal Standards						
1) Pentafluorobenzene	7.881	168	34152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	60889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	59772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	23342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	22724	56.467	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.940%			
35) Dibromofluoromethane	7.804	113	22328	52.351	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.700%			
50) Toluene-d8	10.275	98	76883	45.008	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 90.020%			
62) 4-Bromofluorobenzene	12.575	95	21955	42.989	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.980%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.022	59	76	Below Cal	#	73
13) Acrolein	3.734	56	59	1.386	ug/l #	15
16) Acetone	4.034	43	897	Below Cal	#	83
20) Methylene Chloride	4.810	84	3059	1.743	ug/l	87
25) 2-Butanone	7.098	43	124	Below Cal	#	37
36) 1,1-Dichloropropene	7.869	75	3036	4.450	ug/l #	39
38) Carbon Tetrachloride	7.881	117	3955	5.815	ug/l #	11
59) 2-Hexanone	10.875	43	252	1.259	ug/l #	16
71) Bromoform	12.569	173	333	1.282	ug/l #	28
76) 1,2,3-Trichloropropane	12.569	75	11826	58.335	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	11826	118.190	ug/l #	18

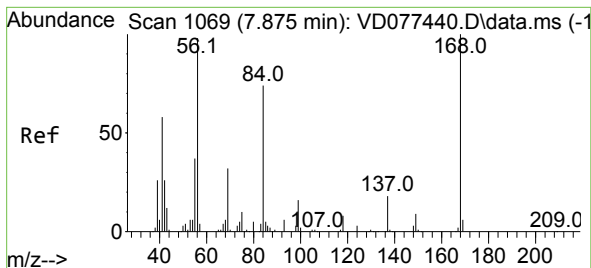
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 21 05:25:02 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# 10

Delta R.T. 0.006 min

Lab File: VD077996.D

Acq: 20 Dec 2023 15:29

Instrument :

MSVOA_D

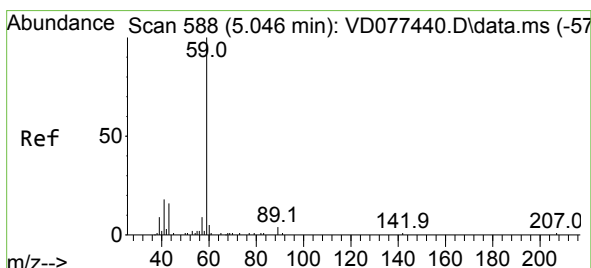
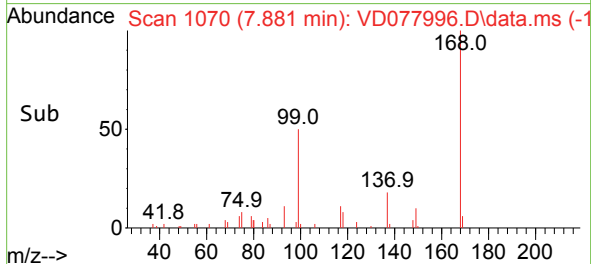
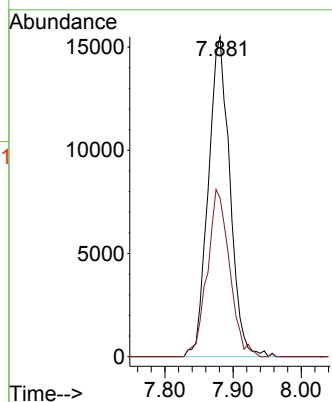
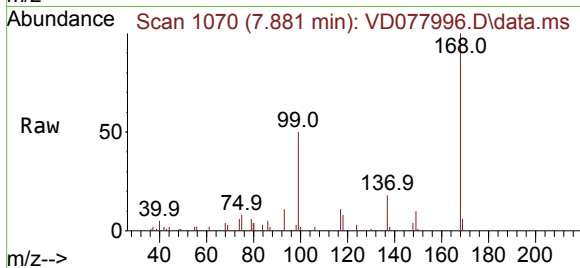
ClientSampleId :

Tgt Ion:168 Resp: 34152

Ion Ratio Lower Upper

168 100

99 49.6 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.022 min Scan# 584

Delta R.T. -0.024 min

Lab File: VD077996.D

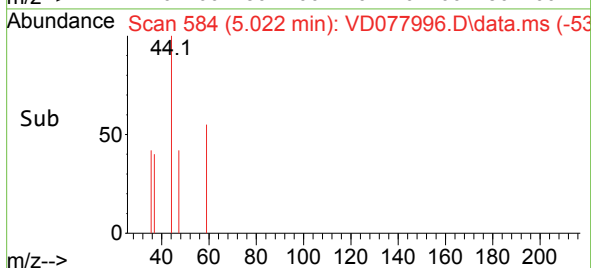
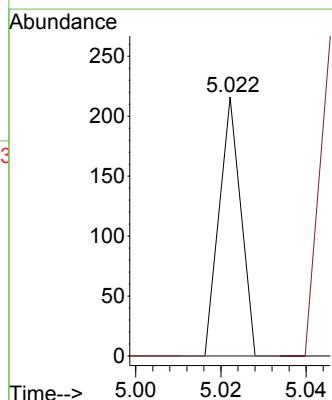
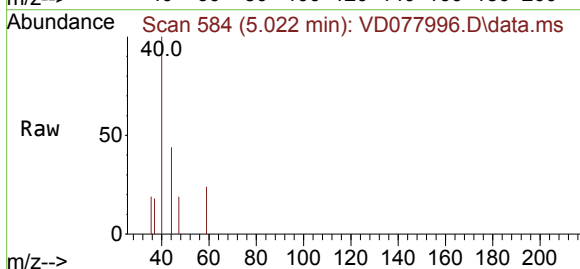
Acq: 20 Dec 2023 15:29

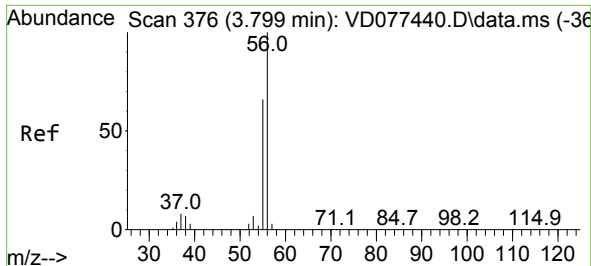
Tgt Ion: 59 Resp: 76

Ion Ratio Lower Upper

59 100

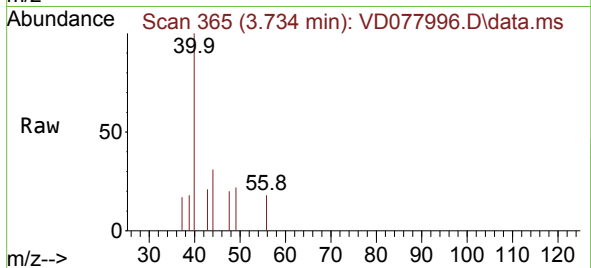
57 0.0 7.8 11.8#



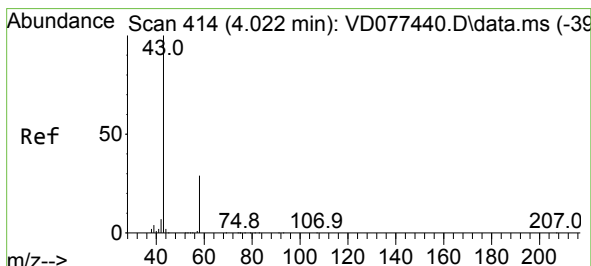
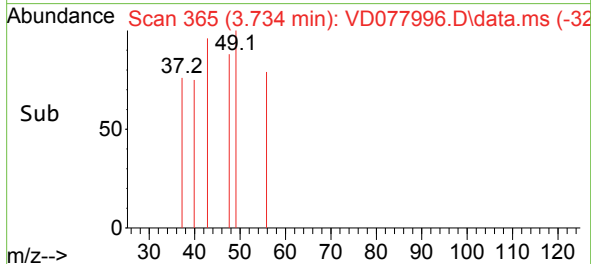
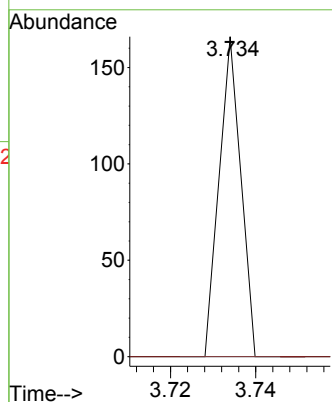


#13
Acrolein
Concen: 1.386 ug/l
RT: 3.734 min Scan# 30
Delta R.T. -0.065 min
Lab File: VD077996.D
Acq: 20 Dec 2023 15:29

Instrument :
MSVOA_D
ClientSampleId :

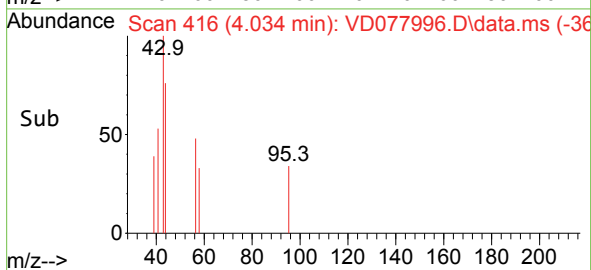
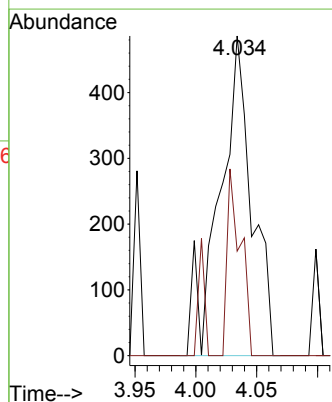
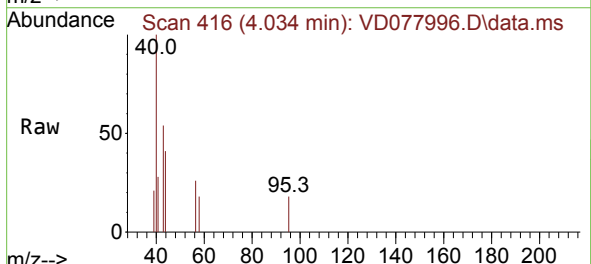


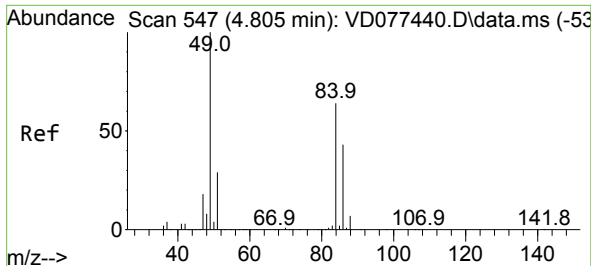
Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#16
Acetone
Concen: Below Cal
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD077996.D
Acq: 20 Dec 2023 15:29

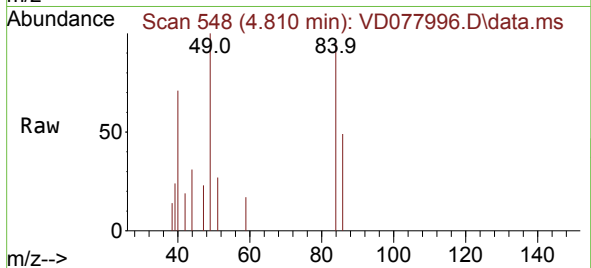
Tgt Ion: 43 Resp: 897
Ion Ratio Lower Upper
43 100
58 32.7 34.7 52.1#



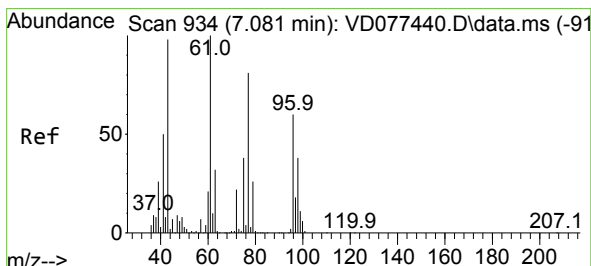
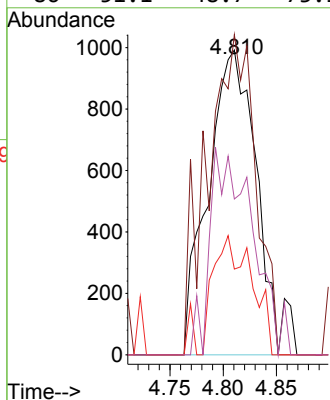
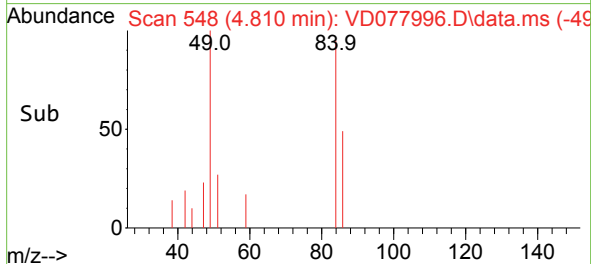


#20
Methylene Chloride
Concen: 1.743 ug/l
RT: 4.810 min Scan# 54
Delta R.T. 0.005 min
Lab File: VD077996.D
Acq: 20 Dec 2023 15:29

Instrument :
MSVOA_D
ClientSampleId :

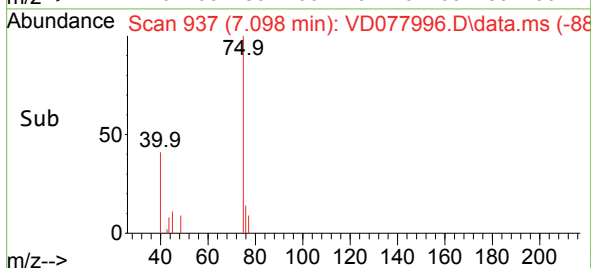
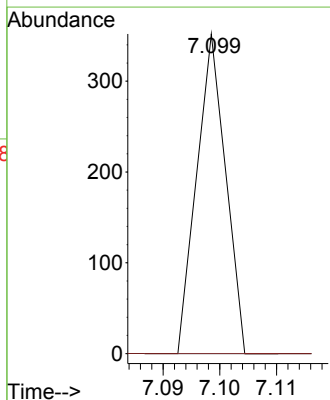
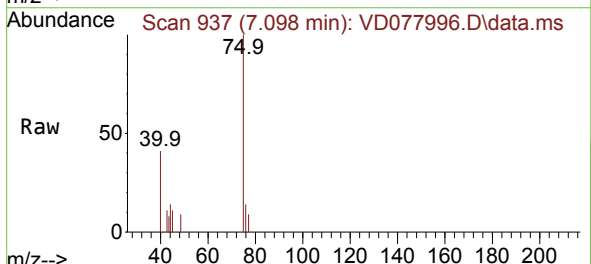


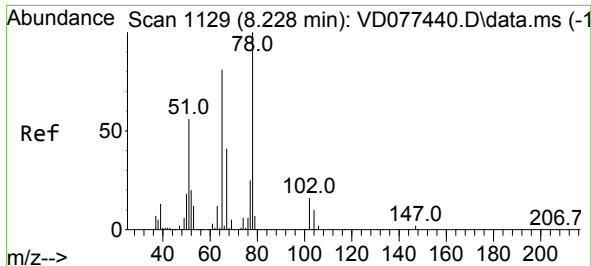
Tgt Ion:	84	Resp:	3059
Ion	Ratio	Lower	Upper
84	100		
49	105.0	71.4	107.2
51	28.1	24.5	36.7
86	51.1	48.7	73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.098 min Scan# 937
Delta R.T. 0.017 min
Lab File: VD077996.D
Acq: 20 Dec 2023 15:29

Tgt Ion:	43	Resp:	124
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#





#33

1,2-Dichloroethane-d4

Concen: 56.467 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD077996.D

Acq: 20 Dec 2023 15:29

Instrument :

MSVOA_D

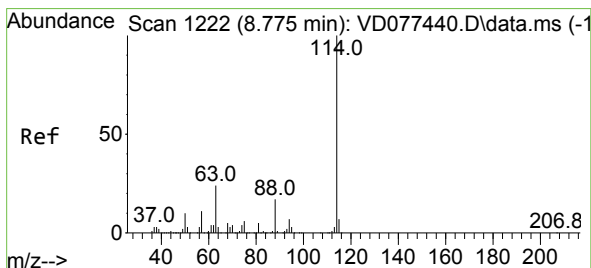
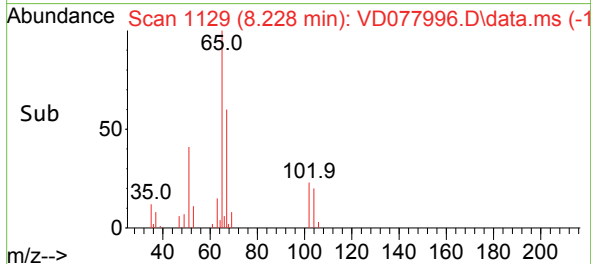
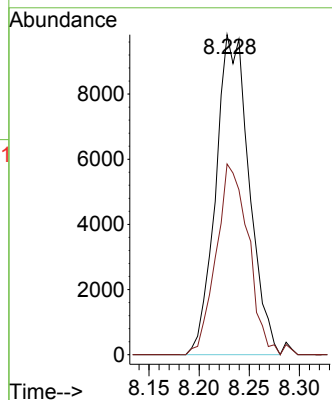
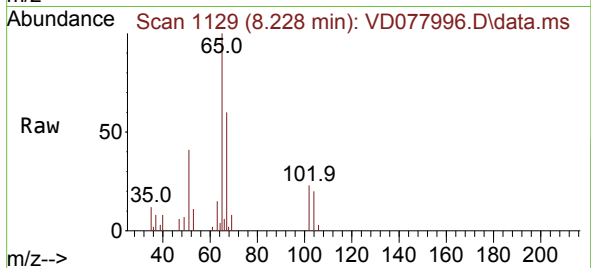
ClientSampleId :

Tgt Ion: 65 Resp: 22724

Ion Ratio Lower Upper

65 100

67 57.5 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: VD077996.D

Acq: 20 Dec 2023 15:29

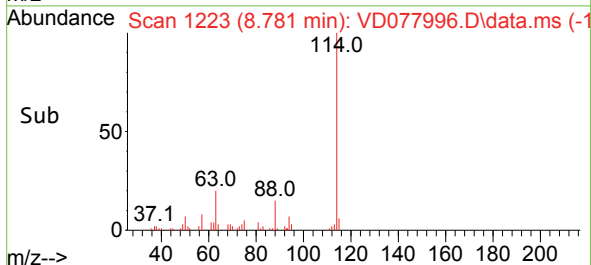
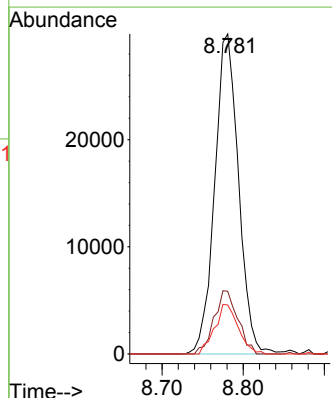
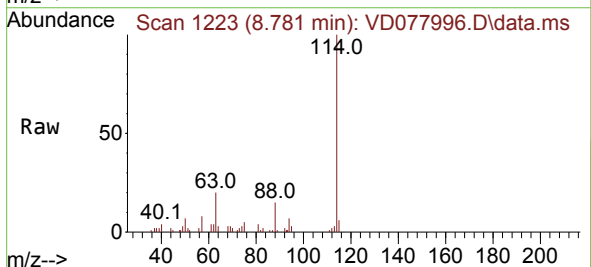
Tgt Ion: 114 Resp: 60889

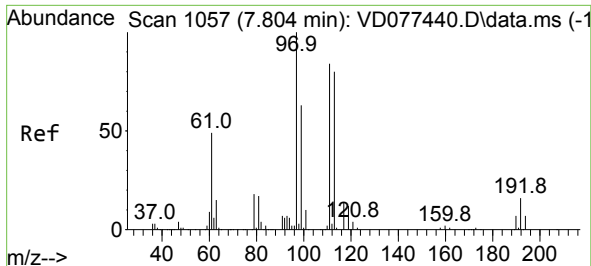
Ion Ratio Lower Upper

114 100

63 19.6 0.0 33.4

88 15.3 0.0 26.2

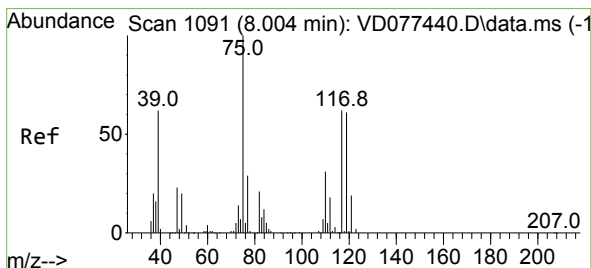
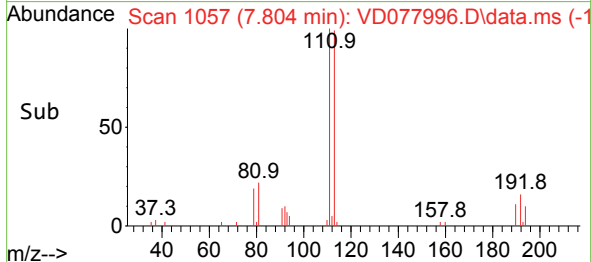
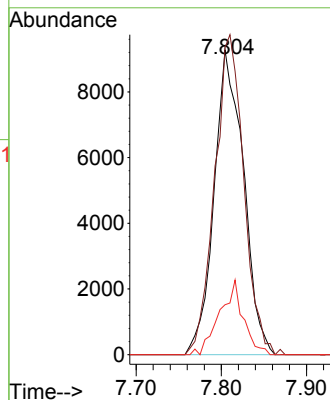
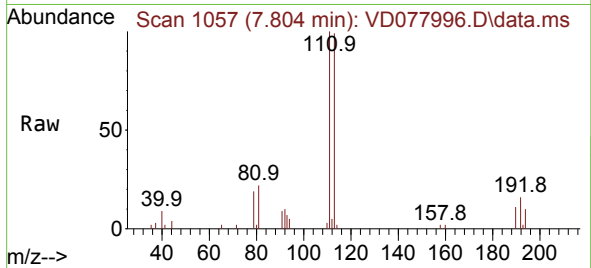




#35
Dibromofluoromethane
Concen: 52.351 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077996.D
Acq: 20 Dec 2023 15:29

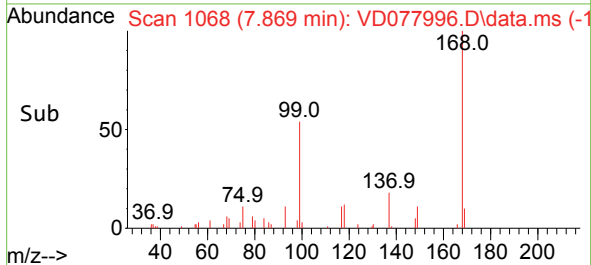
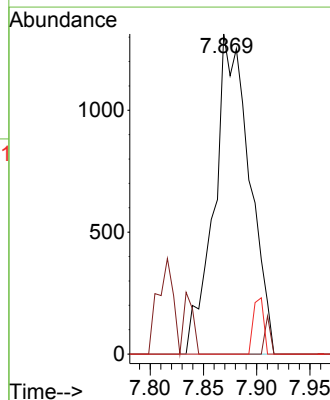
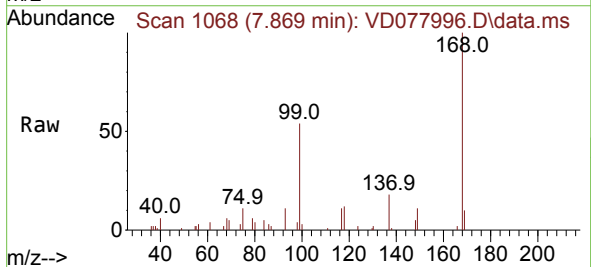
Instrument :
MSVOA_D
ClientSampleId :

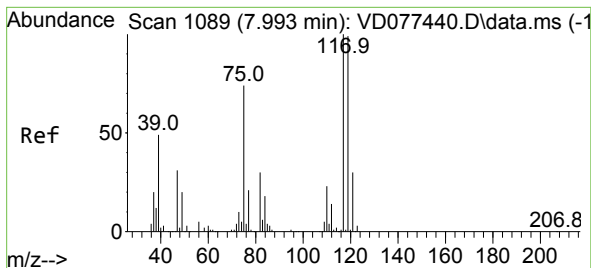
Tgt Ion: 113 Resp: 22328
Ion Ratio Lower Upper
113 100
111 103.5 84.7 127.1
192 19.6 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.450 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VD077996.D
Acq: 20 Dec 2023 15:29

Tgt Ion: 75 Resp: 3036
Ion Ratio Lower Upper
75 100
110 0.0 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.815 ug/l

RT: 7.881 min Scan# 1089

Delta R.T. -0.112 min

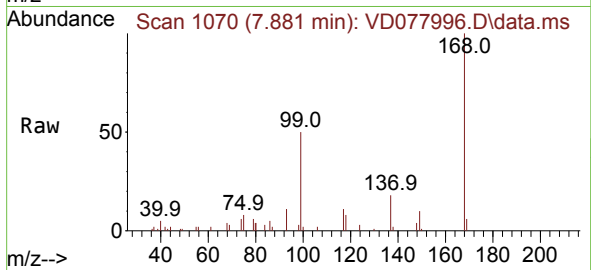
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Acq: 20 Dec 2023 15:29

Instrument :

MSVOA_D

ClientSampleId :



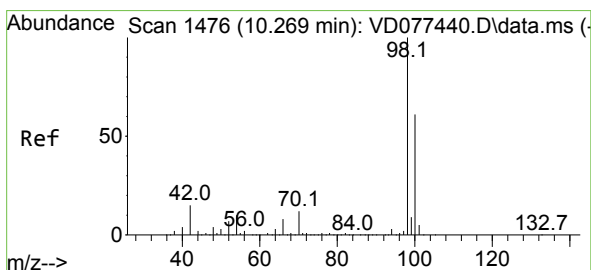
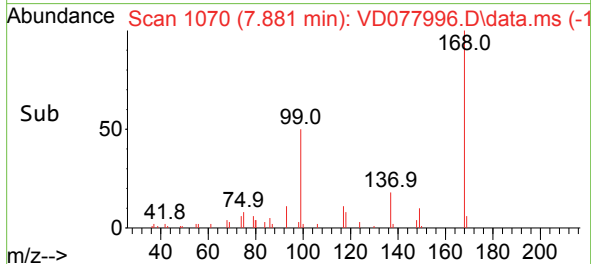
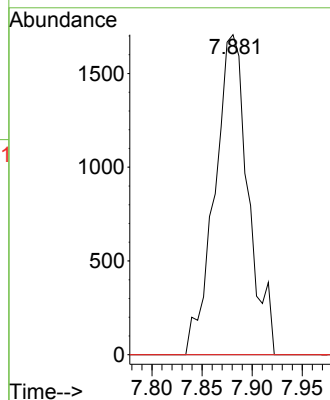
Tgt Ion:117 Resp: 3955

Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.008 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. 0.006 min

Lab File: VD077996.D

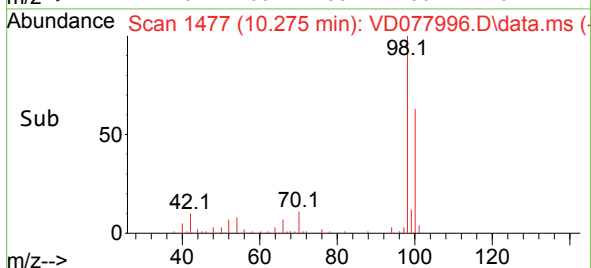
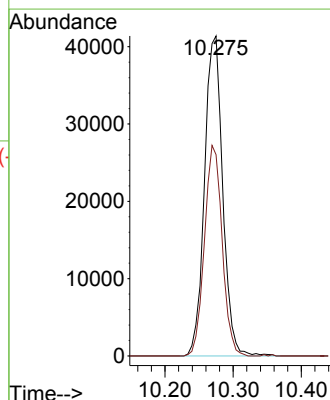
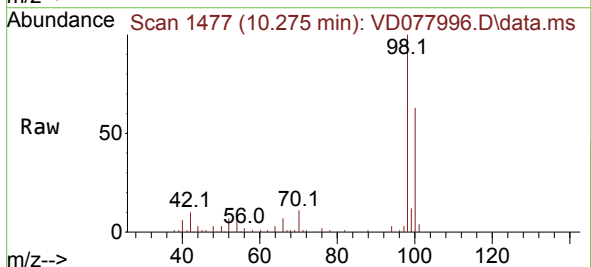
Acq: 20 Dec 2023 15:29

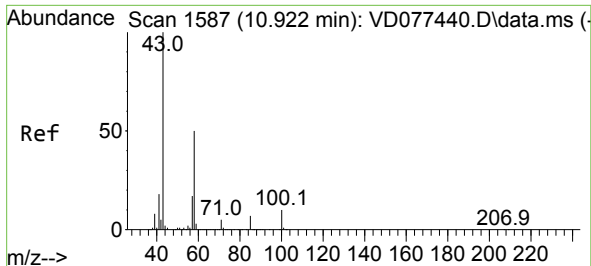
Tgt Ion: 98 Resp: 76883

Ion Ratio Lower Upper

98 100

100 64.0 50.3 75.5

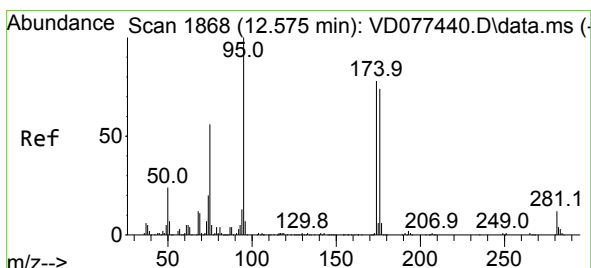
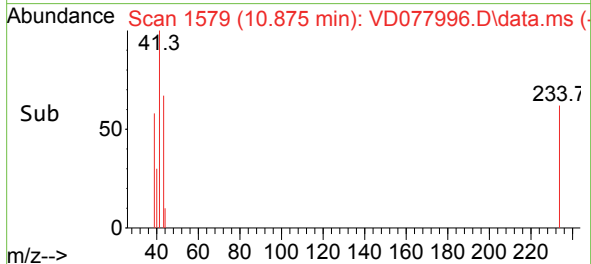
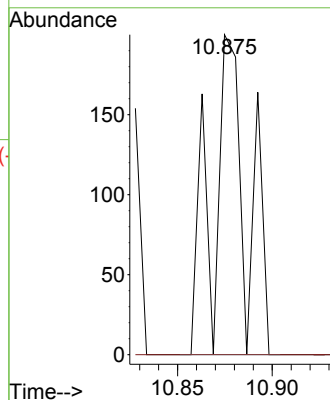
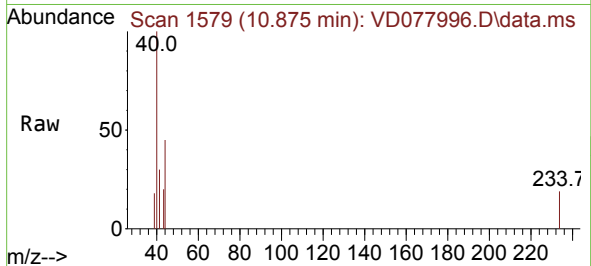




#59
2-Hexanone
Concen: 1.259 ug/l
RT: 10.875 min Scan# 11
Delta R.T. -0.047 min
Lab File: VD077996.D
Acq: 20 Dec 2023 15:29

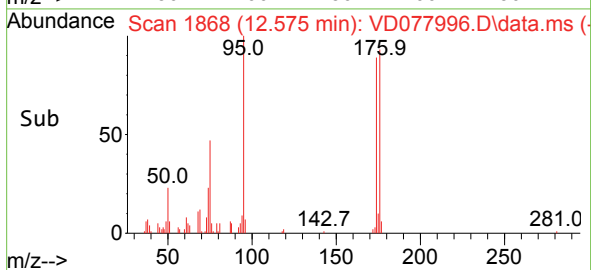
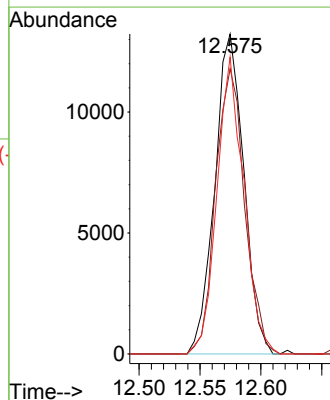
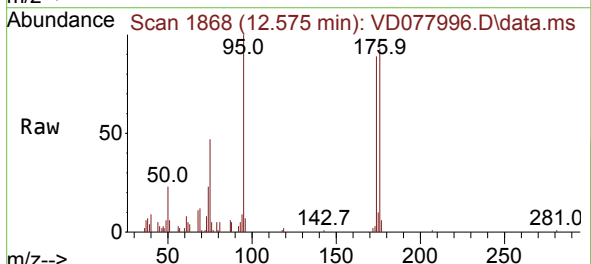
Instrument :
MSVOA_D
ClientSampleId :

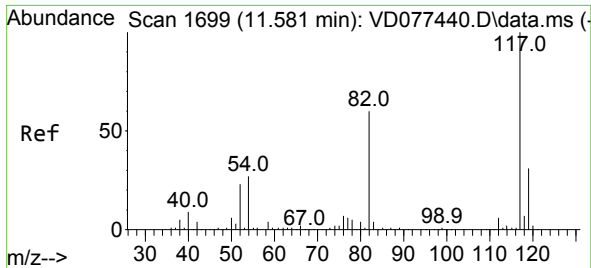
Tgt Ion: 43 Resp: 252
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#



#62
4-Bromofluorobenzene
Concen: 42.989 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077996.D
Acq: 20 Dec 2023 15:29

Tgt Ion: 95 Resp: 21955
Ion Ratio Lower Upper
95 100
174 89.4 0.0 201.8
176 85.9 0.0 191.8

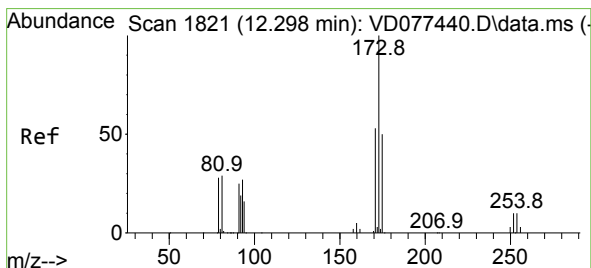
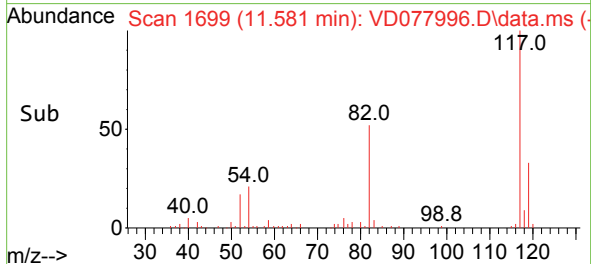
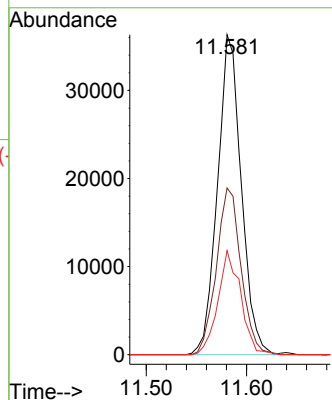
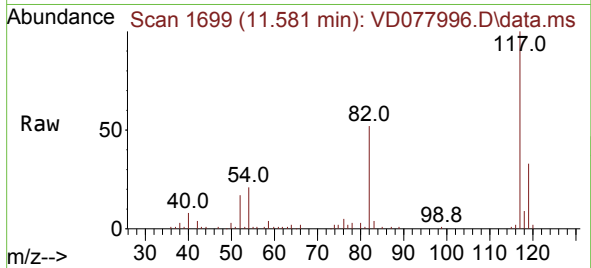




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077996.D
Acq: 20 Dec 2023 15:29

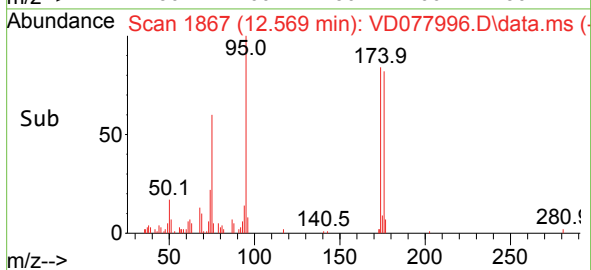
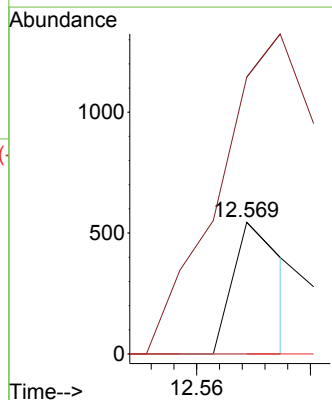
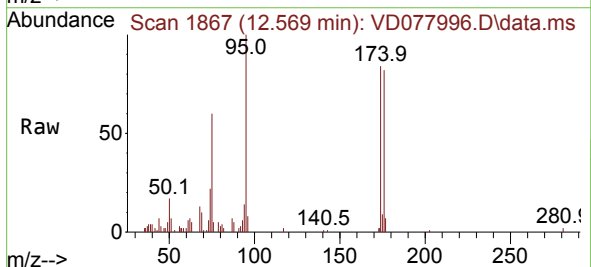
Instrument :
MSVOA_D
ClientSampleId :

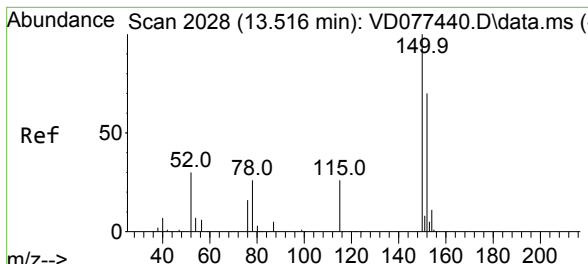
Tgt Ion:117 Resp: 59772
Ion Ratio Lower Upper
117 100
82 52.1 38.3 57.5
119 32.5 25.0 37.4



#71
Bromoform
Concen: 1.282 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.271 min
Lab File: VD077996.D
Acq: 20 Dec 2023 15:29

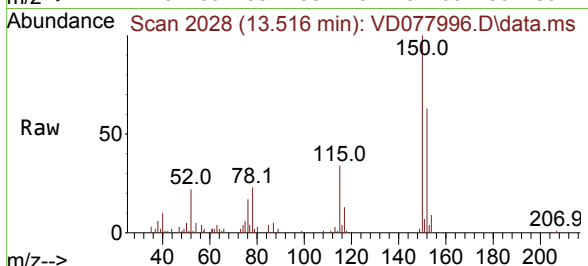
Tgt Ion:173 Resp: 333
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0



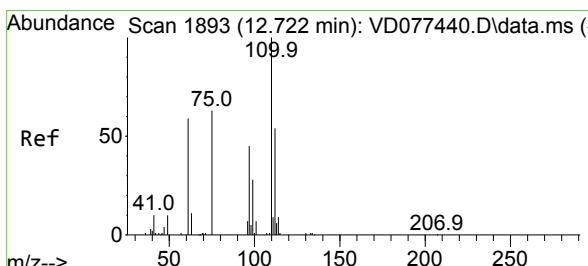
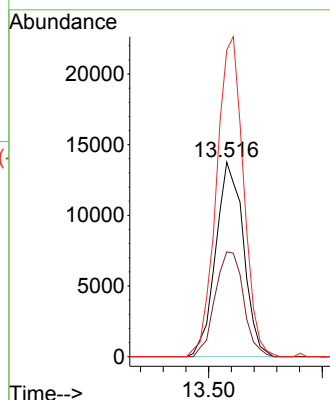
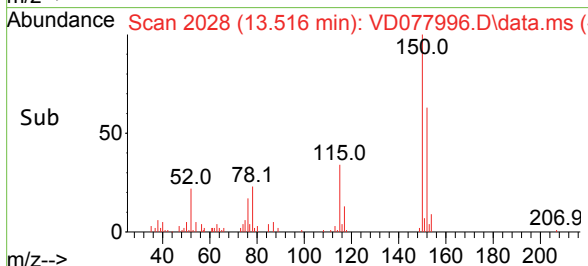


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: VD077996.D
 Acq: 20 Dec 2023 15:29

Instrument :
 MSVOA_D
 ClientSampleId :

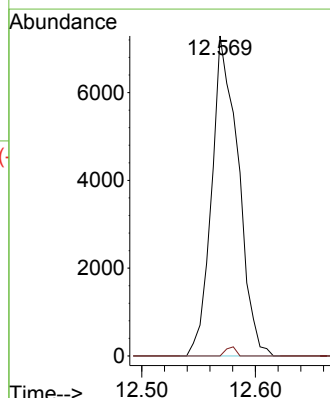
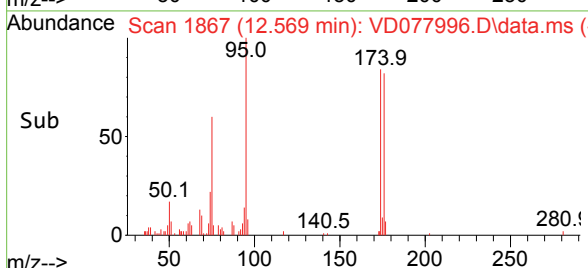
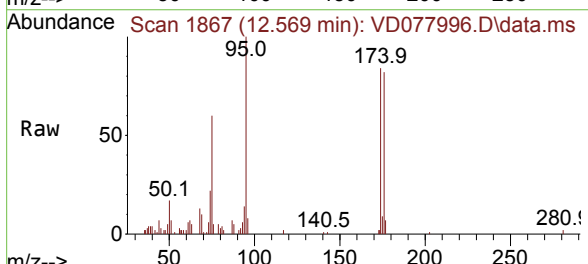


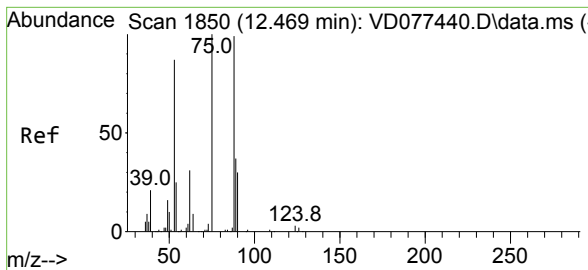
Tgt Ion:152 Resp: 23342
 Ion Ratio Lower Upper
 152 100
 115 55.2 27.1 81.3
 150 159.8 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 58.335 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.153 min
 Lab File: VD077996.D
 Acq: 20 Dec 2023 15:29

Tgt Ion: 75 Resp: 11826
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.190 ug/l
 RT: 12.569 min Scan# 11826
 Delta R.T. 0.100 min
 Lab File: VD077996.D
 Acq: 20 Dec 2023 15:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:	75	Resp:	11826
Ion	Ratio	Lower	Upper
75	100		
53	0.5	63.0	94.4#
89	0.0	37.9	56.9#

