

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078040.D
 Acq On : 21 Dec 2023 22:56
 Operator : RP/MD
 Sample : VD1221SBL02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 22 05:41:31 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)

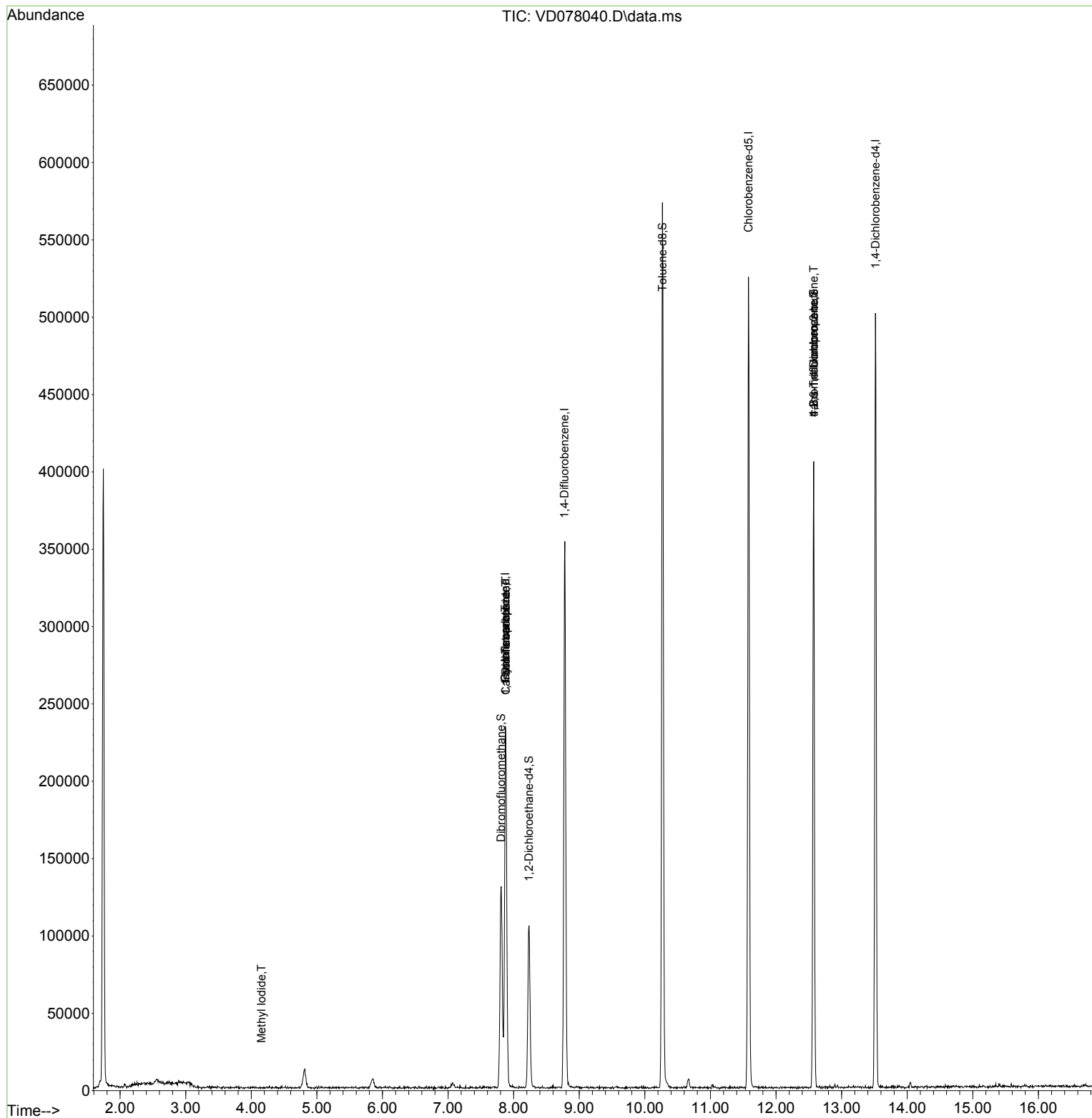
Internal Standards						
1) Pentafluorobenzene	7.875	168	178701	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	315624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	306948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	134562	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	83581	39.692	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.380%
35) Dibromofluoromethane	7.810	113	97643	44.166	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.340%
50) Toluene-d8	10.269	98	403695	45.591	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.180%
62) 4-Bromofluorobenzene	12.575	95	118898	44.912	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.820%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.158	142	93	6.784	ug/l	# 46
11) Tert butyl alcohol	5.175	59	55	Below Cal	#	73
16) Acetone	4.028	43	150	Below Cal	#	32
20) Methylene Chloride	4.805	84	8450	Below Cal		93
25) 2-Butanone	7.087	43	67	Below Cal	#	37
31) Cyclohexane	7.875	56	3878	1.035	ug/l	# 1
36) 1,1-Dichloropropene	7.881	75	14730	4.165	ug/l	# 47
38) Carbon Tetrachloride	7.881	117	18344	5.203	ug/l	# 17
76) 1,2,3-Trichloropropane	12.575	75	63181	54.062	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	63181	109.533	ug/l	# 17
88) 1,4-Dichlorobenzene	13.528	146	260	Below Cal	#	1

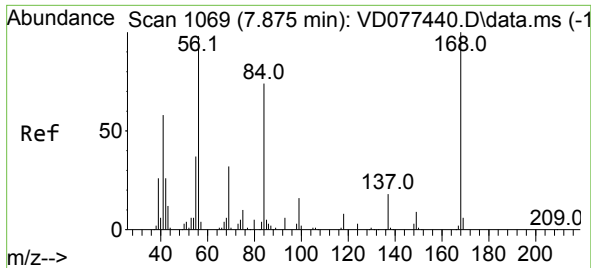
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

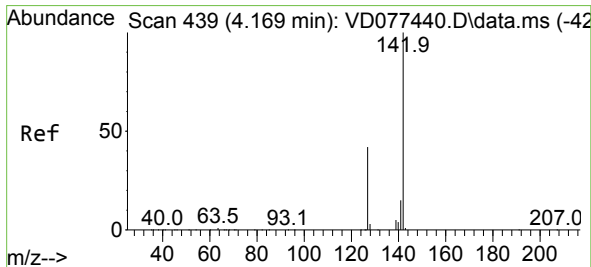
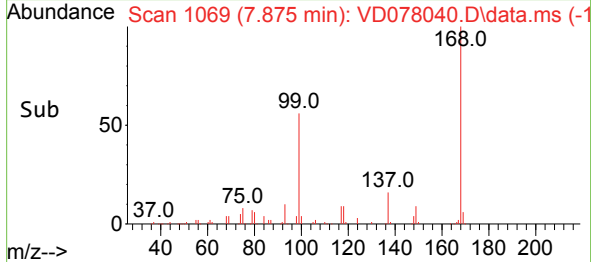
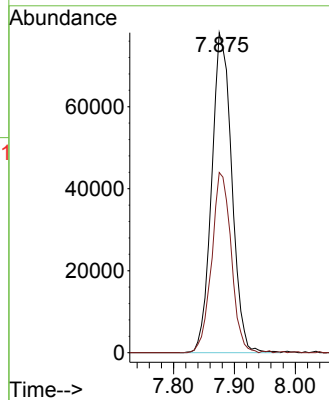
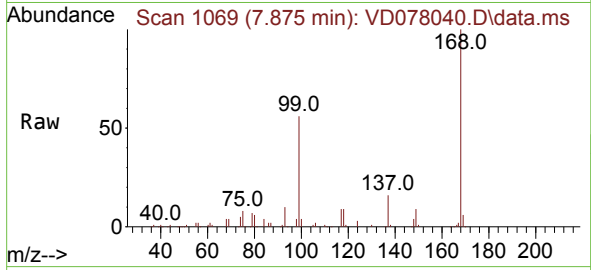




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078040.D
Acq: 21 Dec 2023 22:56

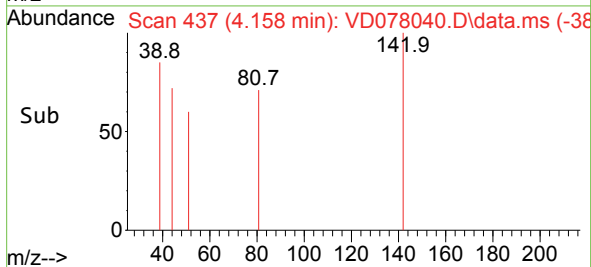
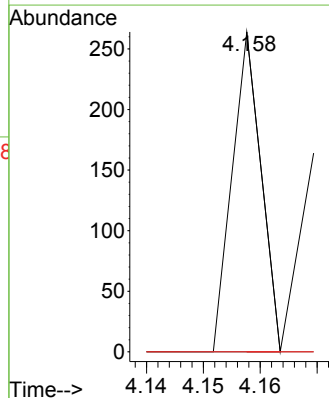
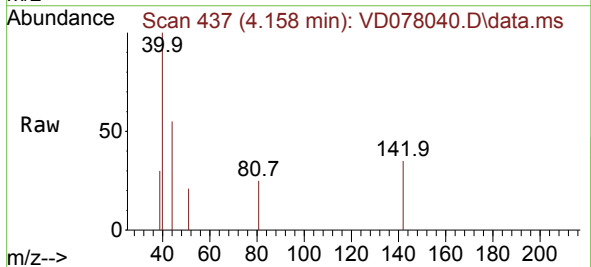
Instrument :
MSVOA_D
ClientSampleId :

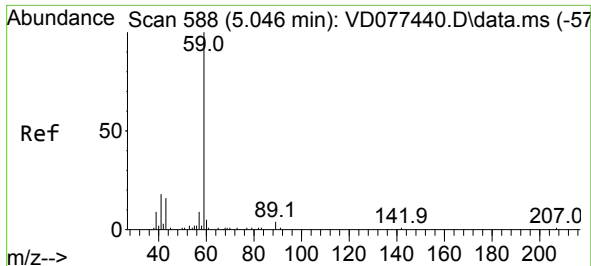
Tgt Ion:168 Resp: 178701
Ion Ratio Lower Upper
168 100
99 56.3 36.7 55.1#



#10
Methyl Iodide
Concen: 6.784 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.011 min
Lab File: VD078040.D
Acq: 21 Dec 2023 22:56

Tgt Ion:142 Resp: 93
Ion Ratio Lower Upper
142 100
127 0.0 29.4 44.0#
141 0.0 11.1 16.7#

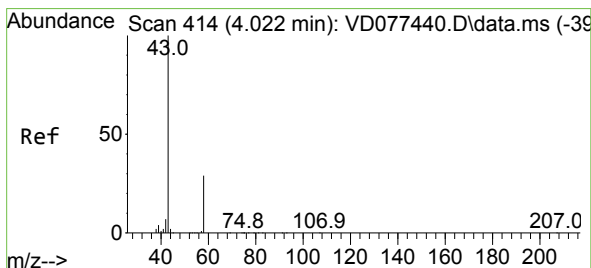
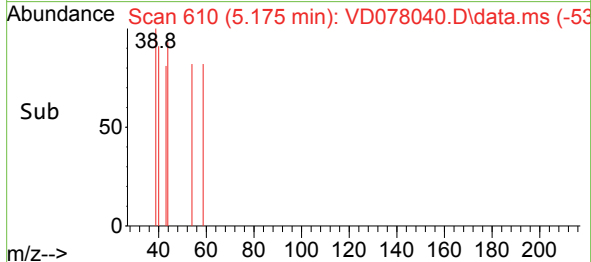
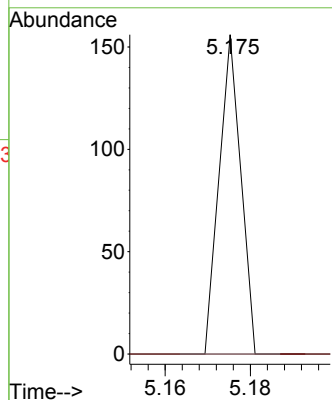
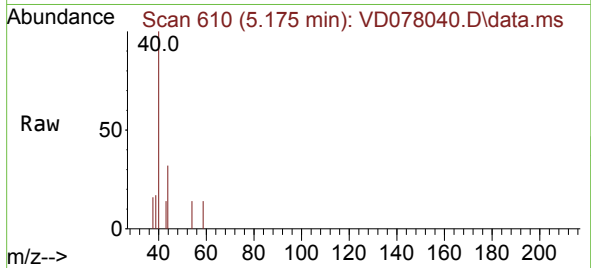




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.175 min Scan# 61
Delta R.T. 0.129 min
Lab File: VD078040.D
Acq: 21 Dec 2023 22:56

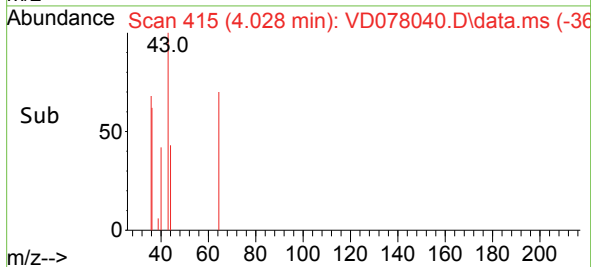
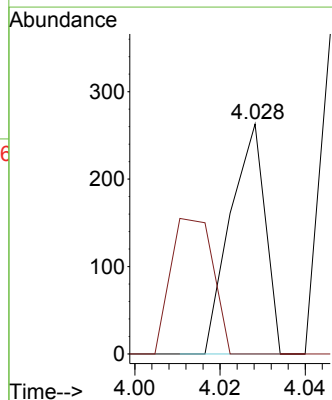
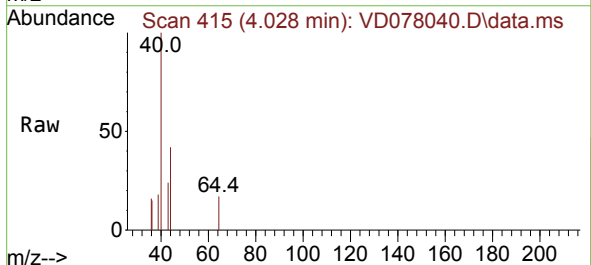
Instrument :
MSVOA_D
ClientSampleId :

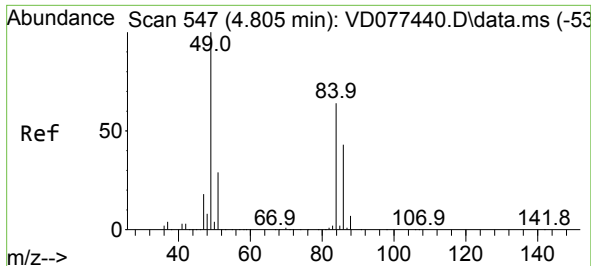
Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD078040.D
Acq: 21 Dec 2023 22:56

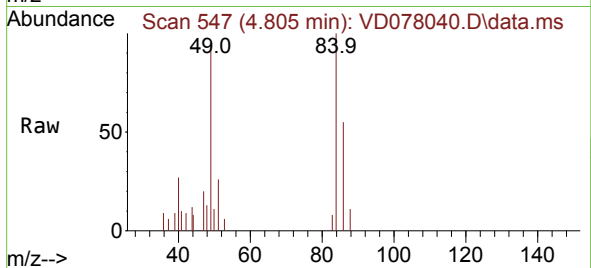
Tgt Ion: 43 Resp: 150
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



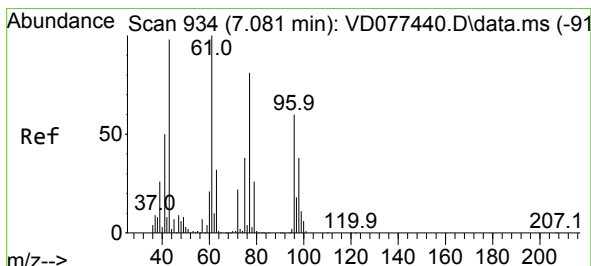
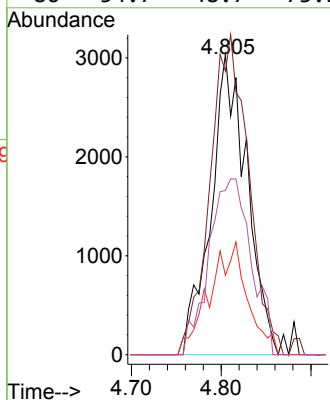
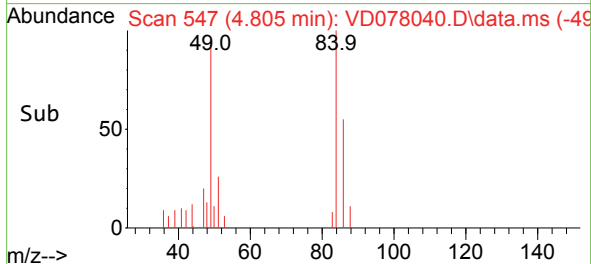


#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD078040.D
Acq: 21 Dec 2023 22:56

Instrument :
MSVOA_D
ClientSampleId :

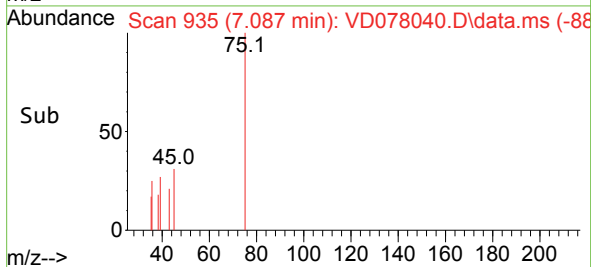
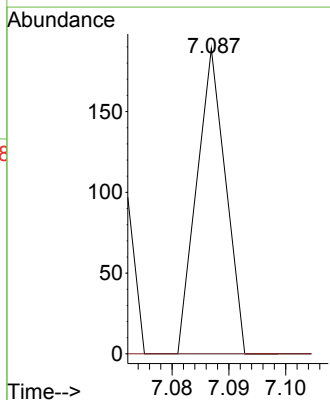
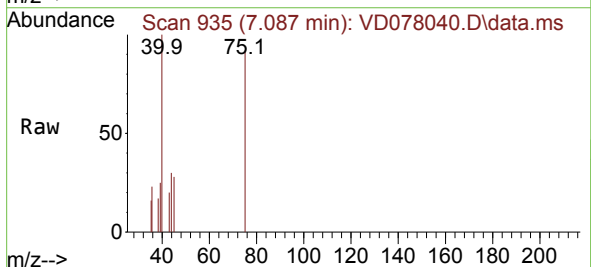


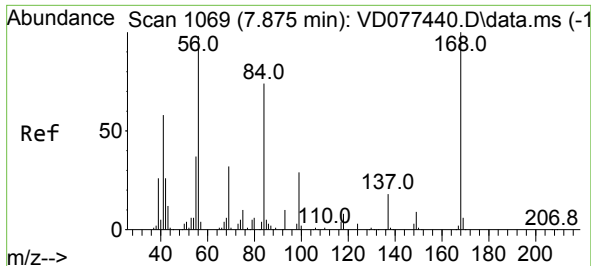
Tgt Ion:	84	Resp:	8450
Ion	Ratio	Lower	Upper
84	100		
49	94.6	71.4	107.2
51	26.5	24.5	36.7
86	54.7	48.7	73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD078040.D
Acq: 21 Dec 2023 22:56

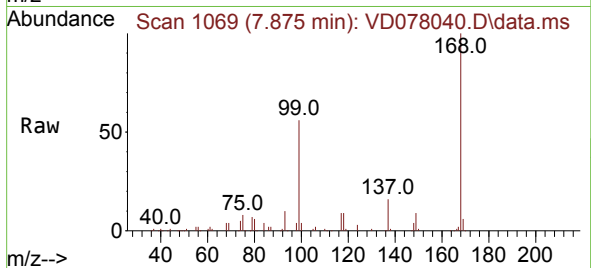
Tgt Ion:	43	Resp:	67
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#



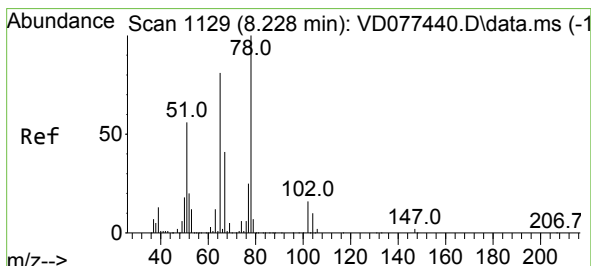
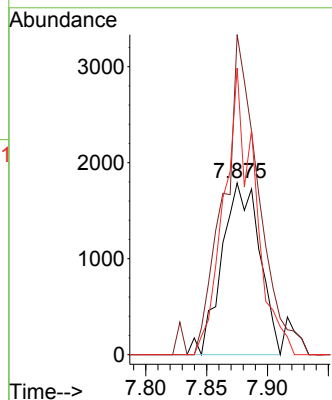
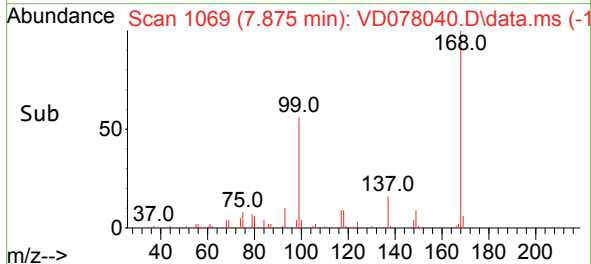


#31
Cyclohexane
Concen: 1.035 ug/l
RT: 7.875 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VD078040.D
Acq: 21 Dec 2023 22:56

Instrument :
MSVOA_D
ClientSampleId :

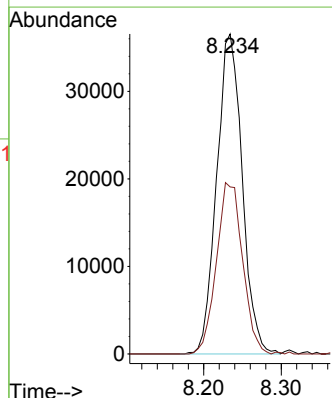
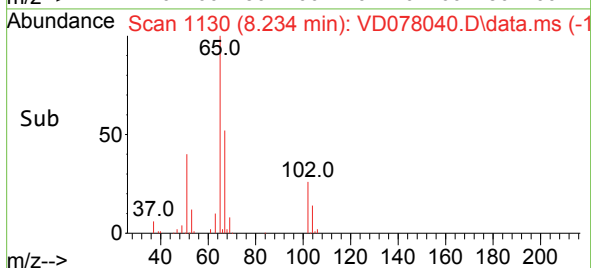
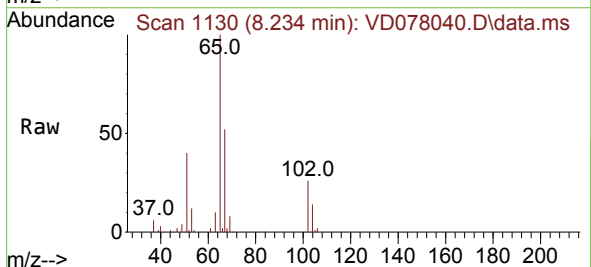


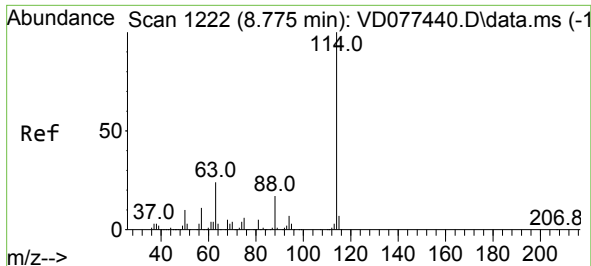
Tgt Ion	Ratio	Lower	Upper
56	100		
69	167.4	28.6	43.0#
84	167.0	84.8	127.2#



#33
1,2-Dichloroethane-d4
Concen: 39.692 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD078040.D
Acq: 21 Dec 2023 22:56

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	115.0

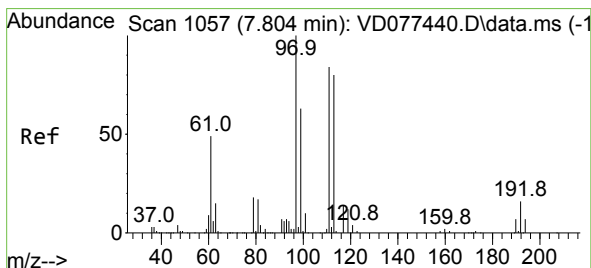
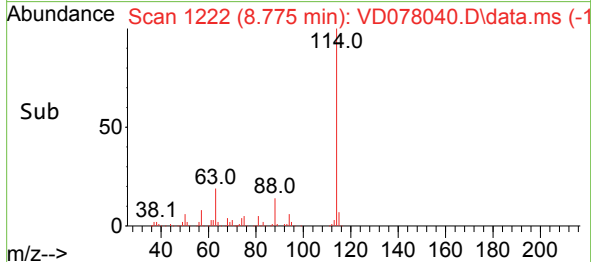
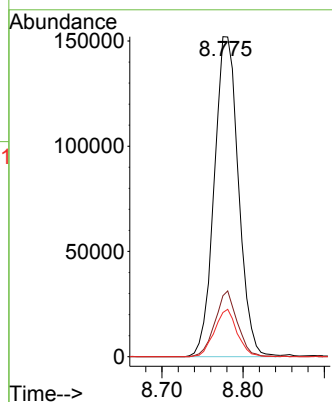
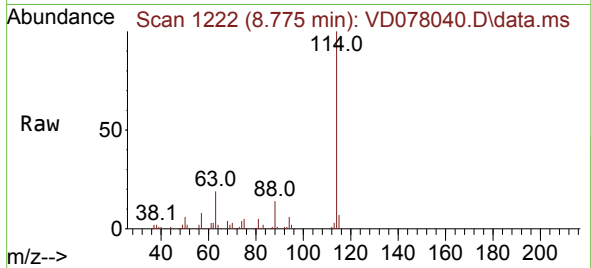




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078040.D
Acq: 21 Dec 2023 22:56

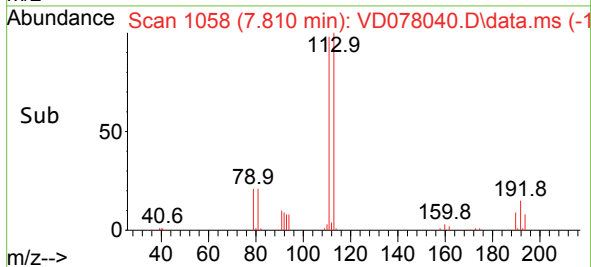
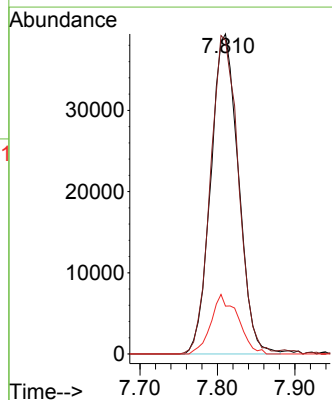
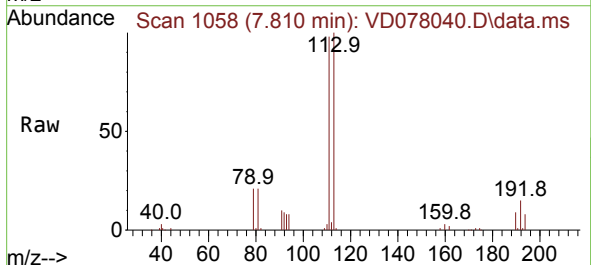
Instrument :
MSVOA_D
ClientSampleId :

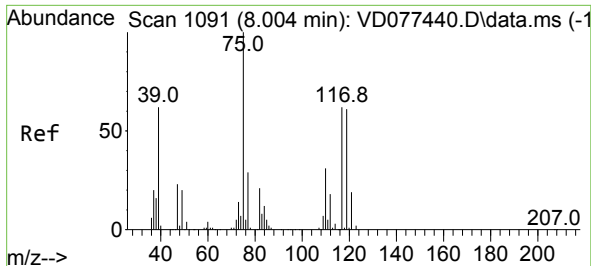
Tgt Ion:114 Resp: 315624
Ion Ratio Lower Upper
114 100
63 19.1 0.0 33.4
88 13.8 0.0 26.2



#35
Dibromofluoromethane
Concen: 44.166 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078040.D
Acq: 21 Dec 2023 22:56

Tgt Ion:113 Resp: 97643
Ion Ratio Lower Upper
113 100
111 100.5 84.7 127.1
192 18.2 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.165 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.123 min

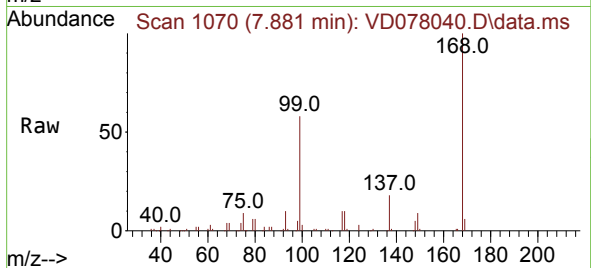
Lab File: VD078040.D

Acq: 21 Dec 2023 22:56

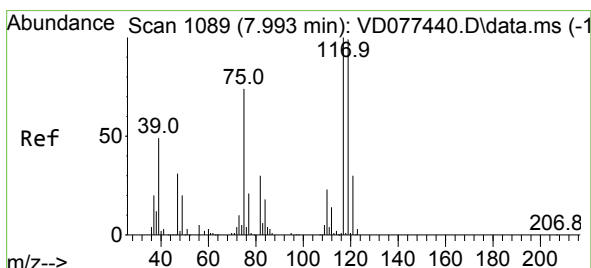
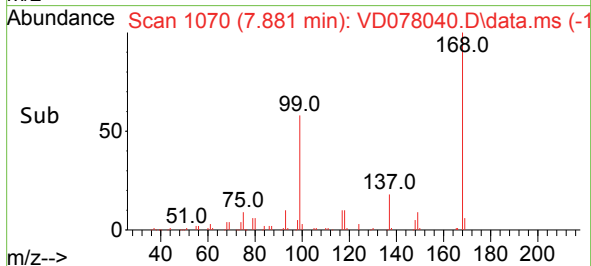
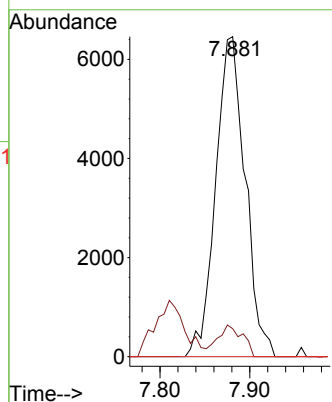
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 14730
Ion Ratio	Lower Upper
75	100
110	8.2 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.203 ug/l

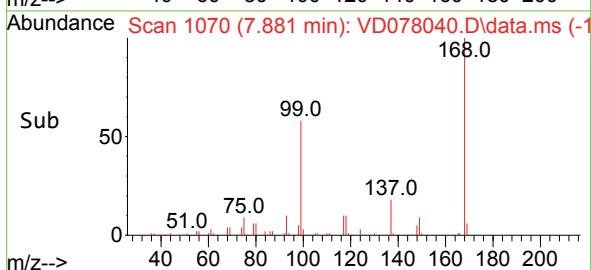
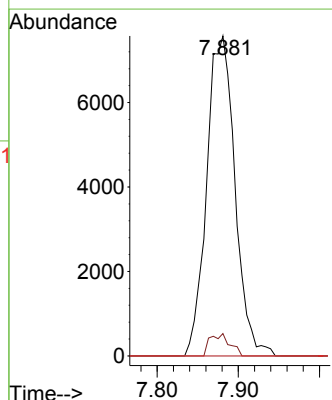
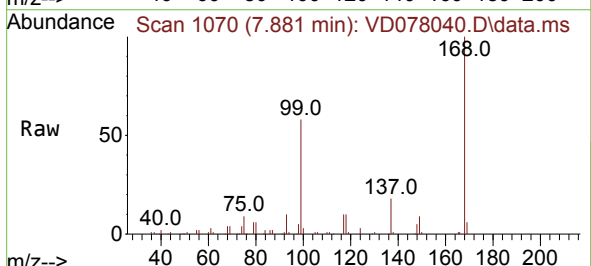
RT: 7.881 min Scan# 1070

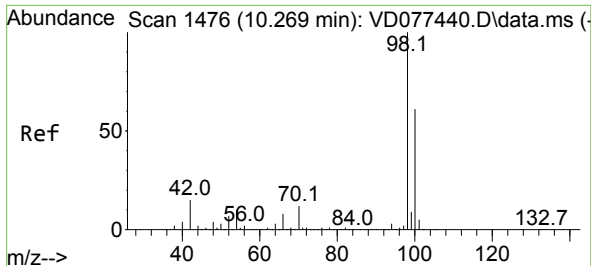
Delta R.T. -0.112 min

Lab File: VD078040.D

Acq: 21 Dec 2023 22:56

Tgt Ion: 117	Resp: 18344
Ion Ratio	Lower Upper
117	100
119	7.0 78.0 117.0#
121	0.0 24.2 36.2#

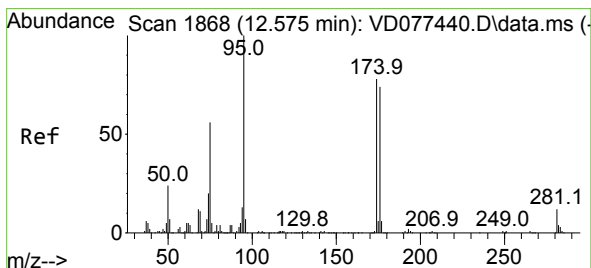
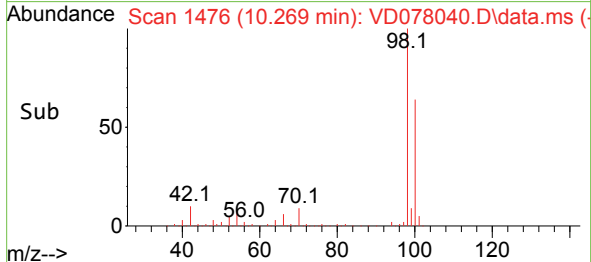
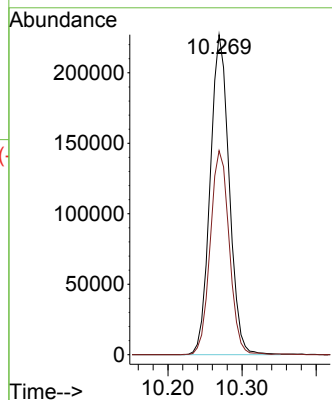
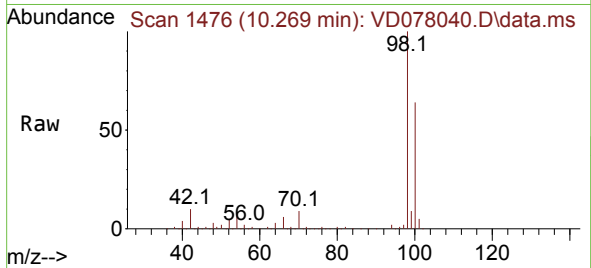




#50
Toluene-d8
Concen: 45.591 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078040.D
Acq: 21 Dec 2023 22:56

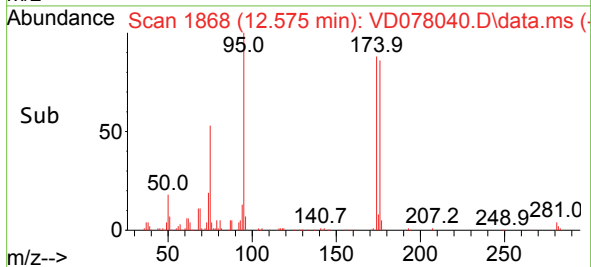
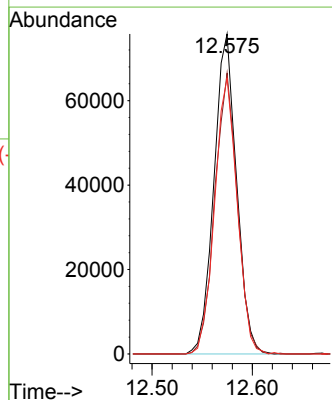
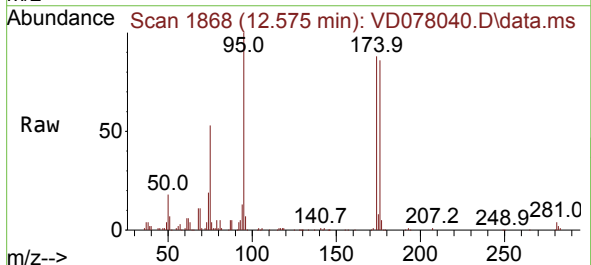
Instrument :
MSVOA_D
ClientSampleId :

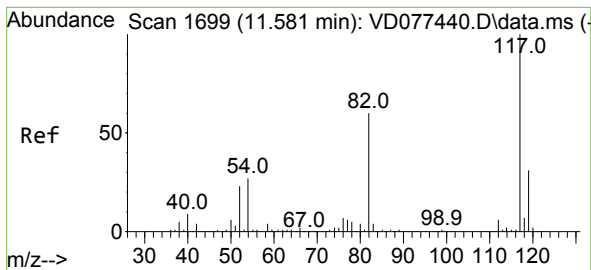
Tgt Ion: 98 Resp: 403695
Ion Ratio Lower Upper
98 100
100 63.8 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 44.912 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078040.D
Acq: 21 Dec 2023 22:56

Tgt Ion: 95 Resp: 118898
Ion Ratio Lower Upper
95 100
174 87.2 0.0 201.8
176 85.9 0.0 191.8

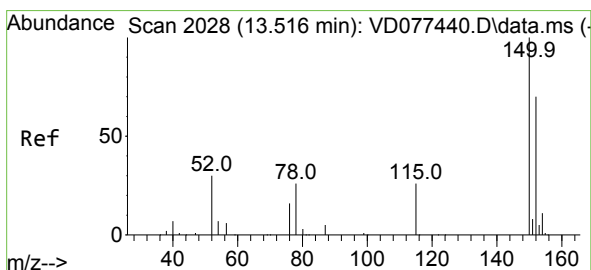
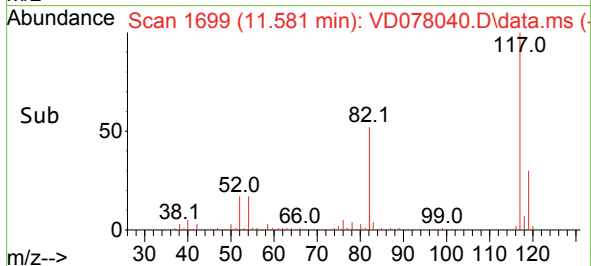
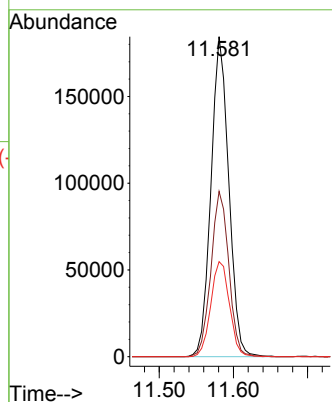
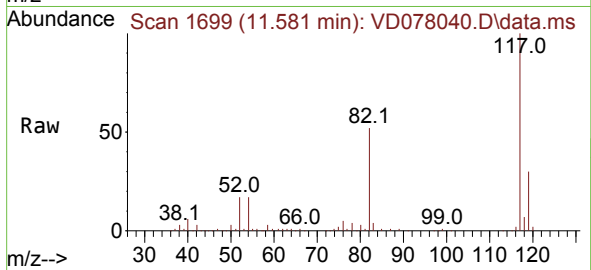




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD078040.D
Acq: 21 Dec 2023 22:56

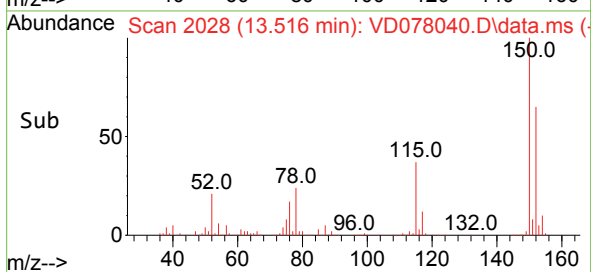
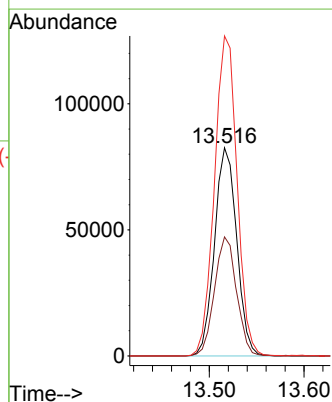
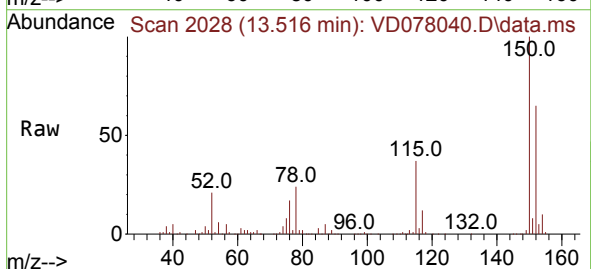
Instrument :
MSVOA_D
ClientSampleId :

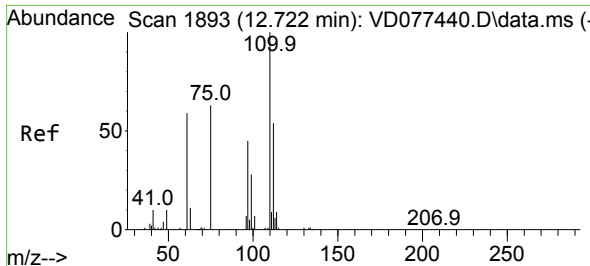
Tgt Ion:117 Resp: 306948
Ion Ratio Lower Upper
117 100
82 51.7 38.3 57.5
119 29.7 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD078040.D
Acq: 21 Dec 2023 22:56

Tgt Ion:152 Resp: 134562
Ion Ratio Lower Upper
152 100
115 56.9 27.1 81.3
150 156.5 0.0 353.6

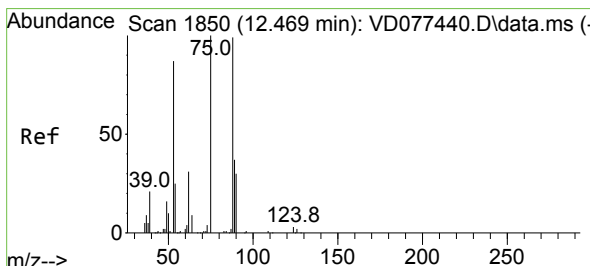
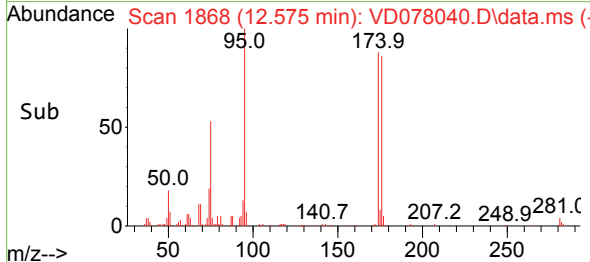
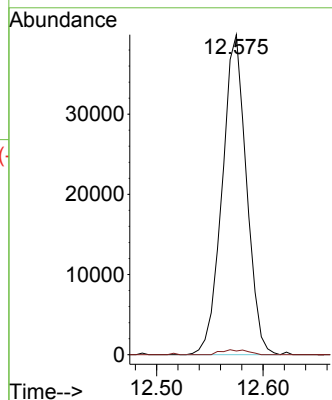
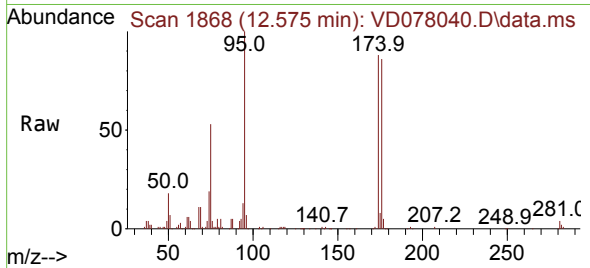




#76
1,2,3-Trichloropropane
Concen: 54.062 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078040.D
Acq: 21 Dec 2023 22:56

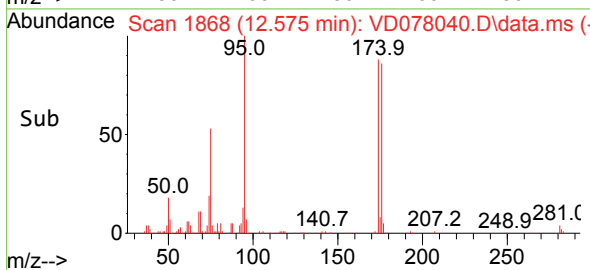
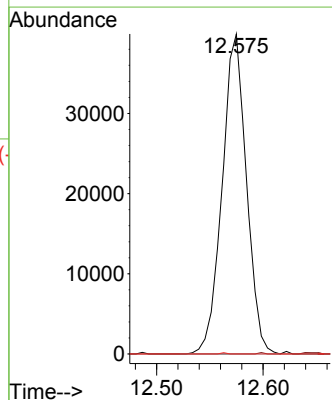
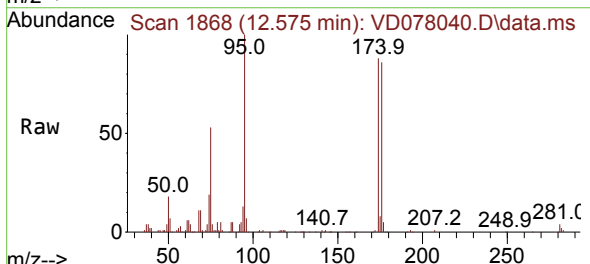
Instrument :
MSVOA_D
ClientSampleId :

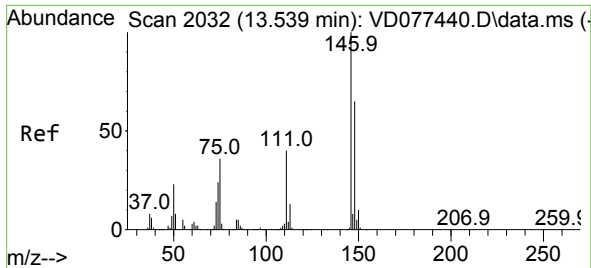
Tgt Ion: 75 Resp: 63181
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.533 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078040.D
Acq: 21 Dec 2023 22:56

Tgt Ion: 75 Resp: 63181
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.528 min Scan# 2030

Delta R.T. -0.011 min

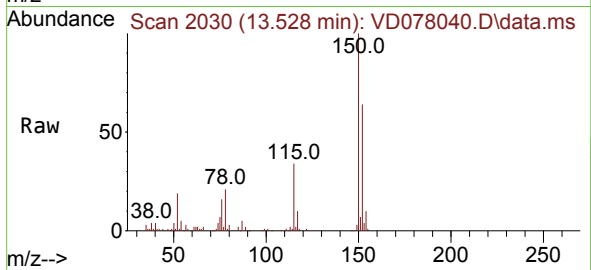
Lab File: VD078040.D

Acq: 21 Dec 2023 22:56

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	146	Resp:	260
Ion	Ratio	Lower	Upper
146	100		
111	819.6	17.4	52.3#
148	331.5	31.7	95.1#

