

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031124\
 Data File : VD078630.D
 Acq On : 11 Mar 2024 15:16
 Operator : RP/MD
 Sample : P1725-01RE
 Misc : 5.00G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3860

Quant Time: Mar 12 01:38:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D030124S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 03:50:17 2024
 Response via : Initial Calibration

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

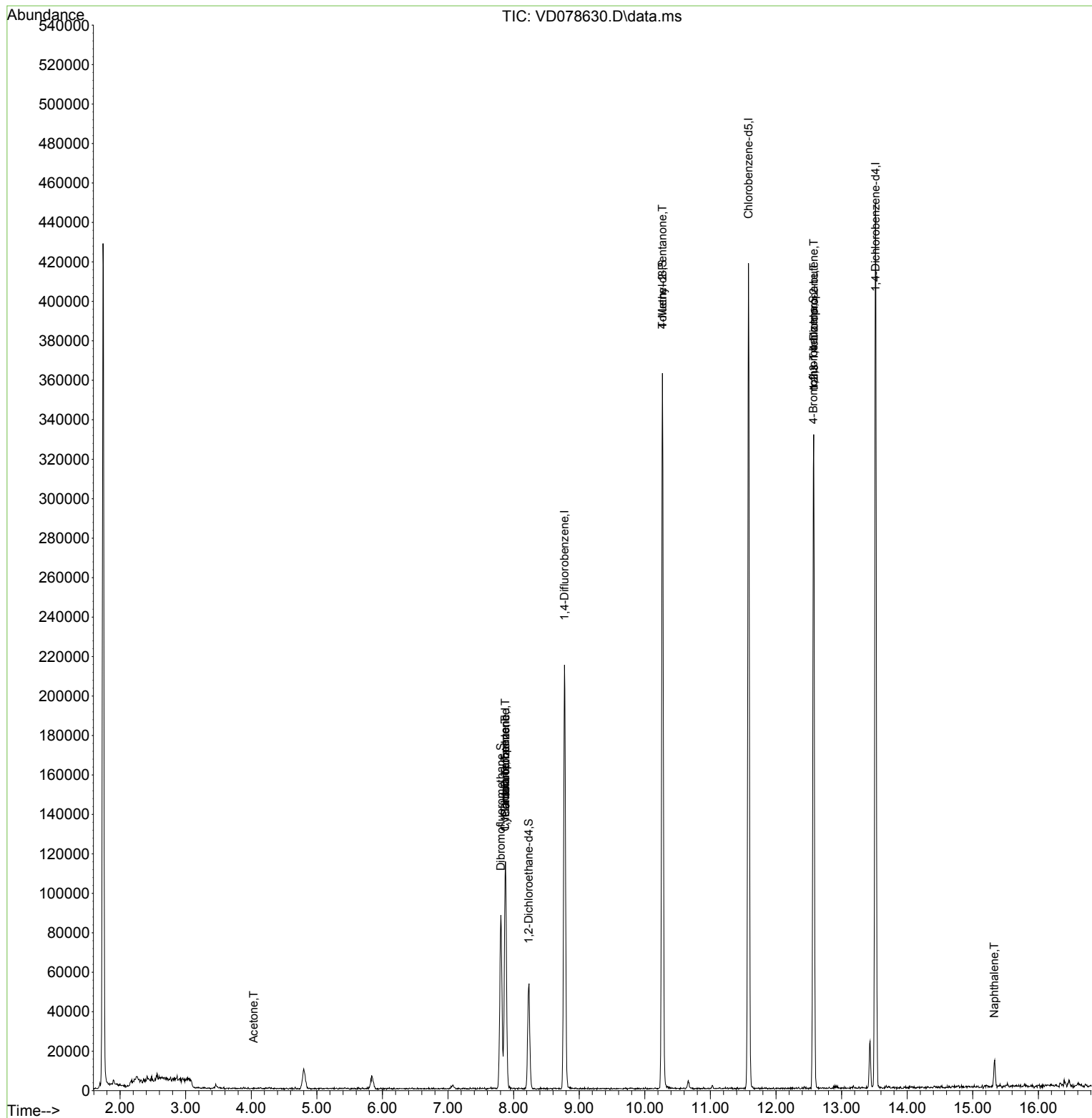
Internal Standards						
1) Pentafluorobenzene	7.875	168	93877	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	200808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	248973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	125108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	39771	42.737	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.480%
35) Dibromofluoromethane	7.805	113	62875	48.134	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.260%
50) Toluene-d8	10.269	98	255391	50.315	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.640%
62) 4-Bromofluorobenzene	12.569	95	100067	69.024	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	138.040%
Target Compounds						
					Qvalue	
3) Chloromethane	2.164	50	191	Below Cal	#	1
11) Tert butyl alcohol	5.022	59	63	Below Cal	#	73
16) Acetone	4.034	43	248	1.391	ug/l #	60
20) Methylene Chloride	4.811	84	8108	Below Cal	#	79
31) Cyclohexane	7.869	56	1670	1.147	ug/l #	56
36) 1,1-Dichloropropene	7.869	75	6848	3.789	ug/l #	46
38) Carbon Tetrachloride	7.875	117	9119	4.823	ug/l #	16
51) 4-Methyl-2-Pentanone	10.269	43	830	1.432	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	51143	53.525	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	51143	114.566	ug/l #	17
95) Naphthalene	15.328	128	11770	3.231	ug/l #	93

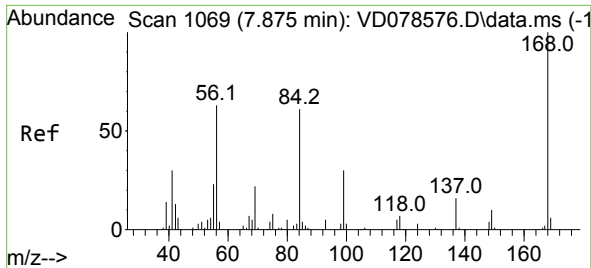
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

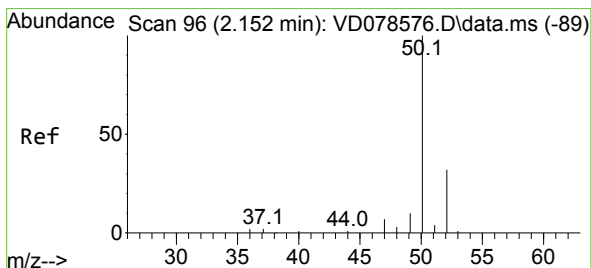
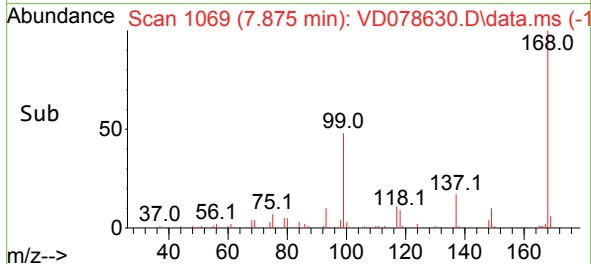
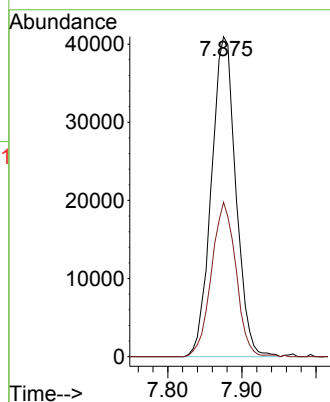
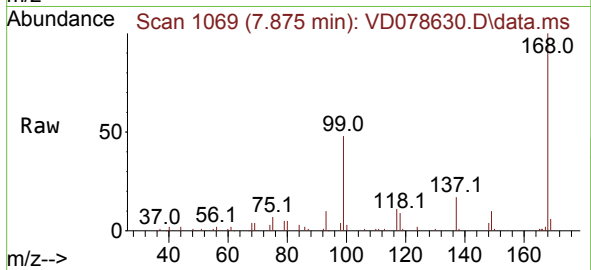




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078630.D
Acq: 11 Mar 2024 15:16

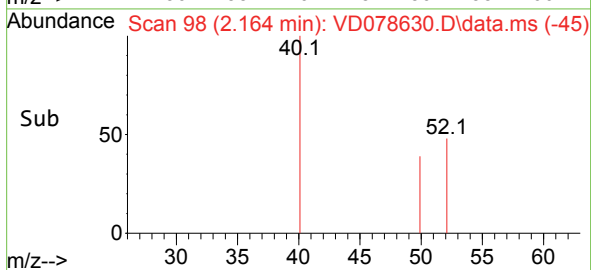
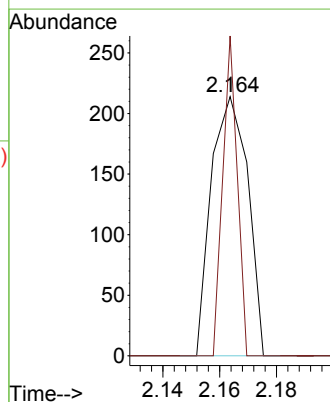
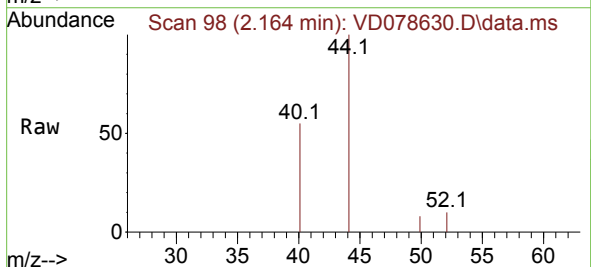
Instrument :
MSVOA_D
ClientSampleId :
RT-3860

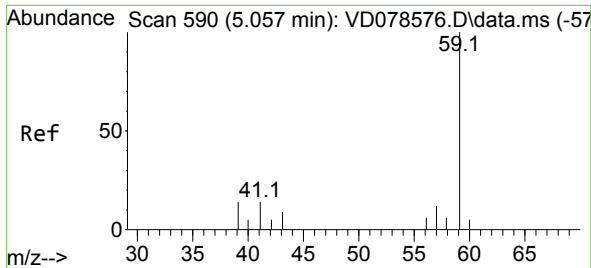
Tgt Ion:168 Resp: 93877
Ion Ratio Lower Upper
168 100
99 48.2 36.7 55.1



#3
Chloromethane
Concen: Below Cal
RT: 2.164 min Scan# 98
Delta R.T. 0.012 min
Lab File: VD078630.D
Acq: 11 Mar 2024 15:16

Tgt Ion: 50 Resp: 191
Ion Ratio Lower Upper
50 100
52 123.4 26.6 40.0#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.022 min Scan# 590

Delta R.T. -0.035 min

Lab File: VD078630.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_D

ClientSampleId :

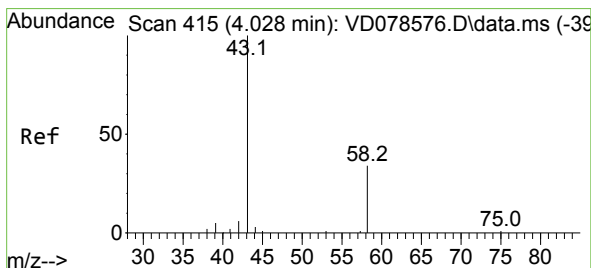
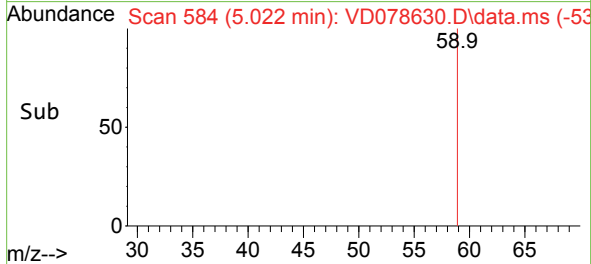
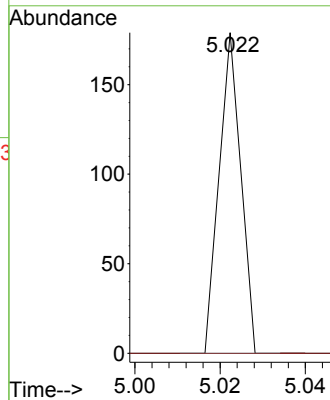
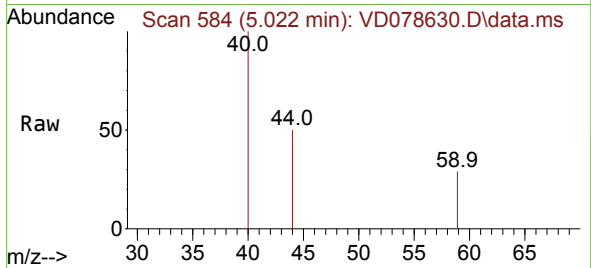
RT-3860

Tgt Ion: 59 Resp: 63

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: 1.391 ug/l

RT: 4.034 min Scan# 416

Delta R.T. 0.006 min

Lab File: VD078630.D

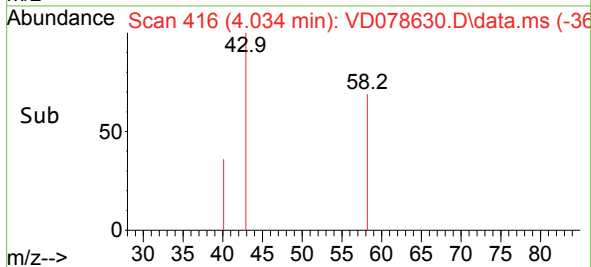
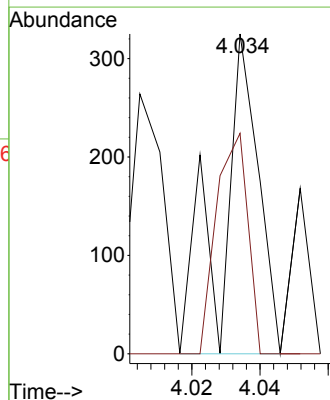
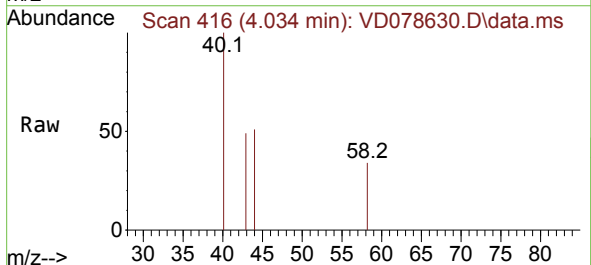
Acq: 11 Mar 2024 15:16

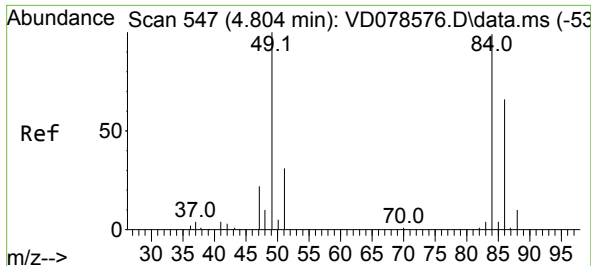
Tgt Ion: 43 Resp: 248

Ion Ratio Lower Upper

43 100

58 68.9 34.7 52.1#



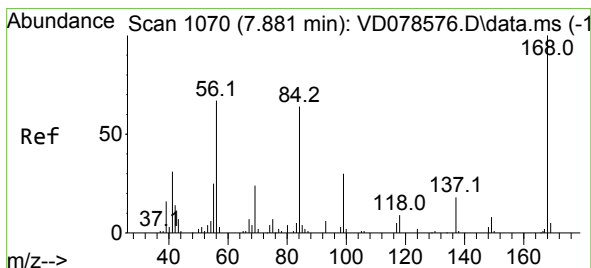
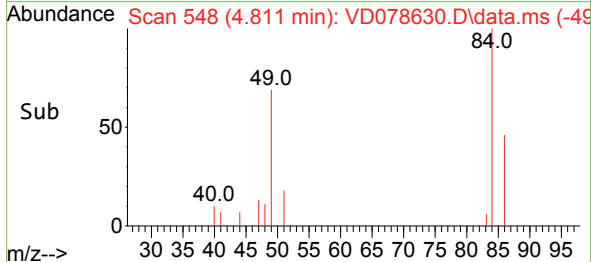
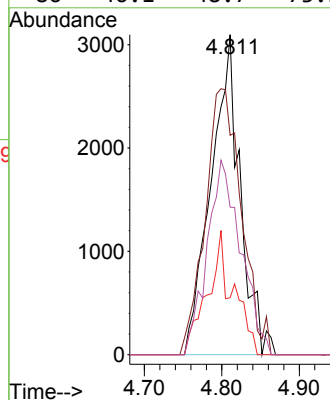
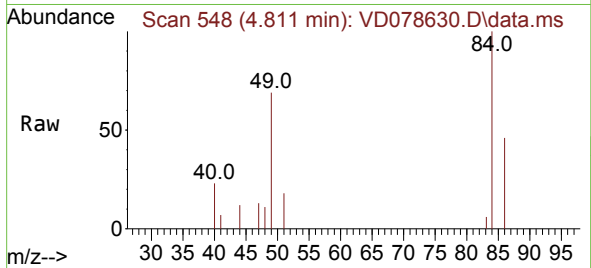


#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 54
Delta R.T. 0.007 min
Lab File: VD078630.D
Acq: 11 Mar 2024 15:16

Instrument :
MSVOA_D
ClientSampleId :
RT-3860

Tgt Ion: 84 Resp: 8108

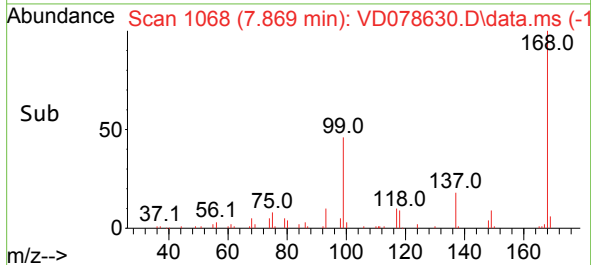
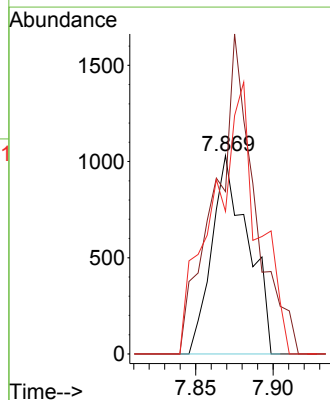
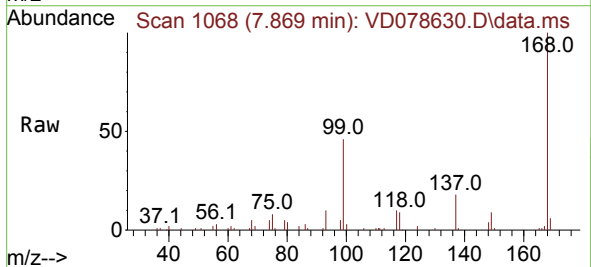
Ion	Ratio	Lower	Upper
84	100		
49	68.6	71.4	107.2#
51	17.8	24.5	36.7#
86	46.1	48.7	73.1#

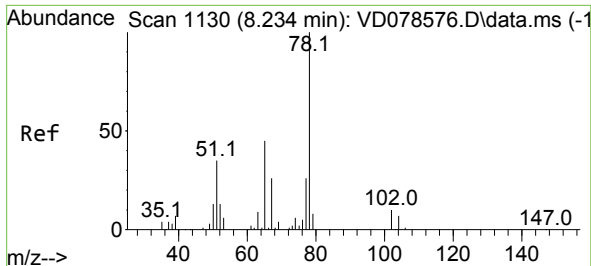


#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.011 min
Lab File: VD078630.D
Acq: 11 Mar 2024 15:16

Tgt Ion: 56 Resp: 1670

Ion	Ratio	Lower	Upper
56	100		
69	81.9	28.6	43.0#
84	71.9	84.8	127.2#





#33

1,2-Dichloroethane-d4

Concen: 42.737 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078630.D

Acq: 11 Mar 2024 15:16

Instrument :

MSVOA_D

ClientSampleId :

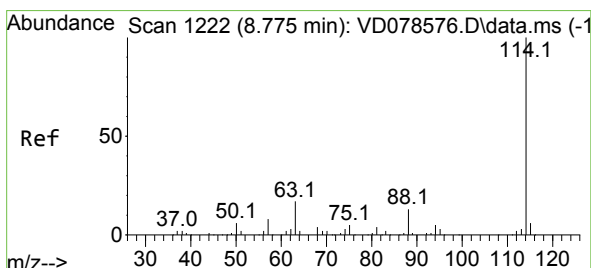
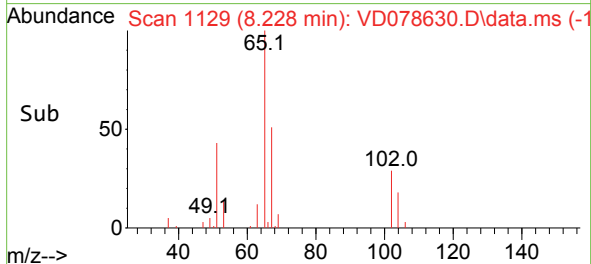
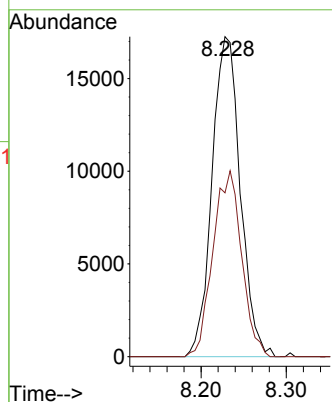
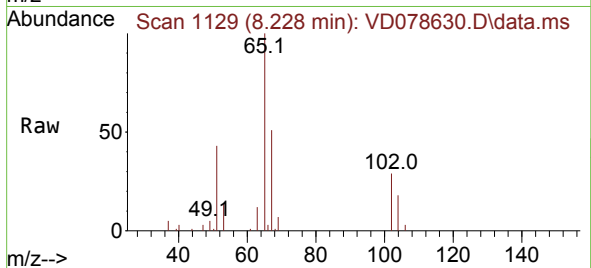
RT-3860

Tgt Ion: 65 Resp: 39771

Ion Ratio Lower Upper

65 100

67 58.8 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD078630.D

Acq: 11 Mar 2024 15:16

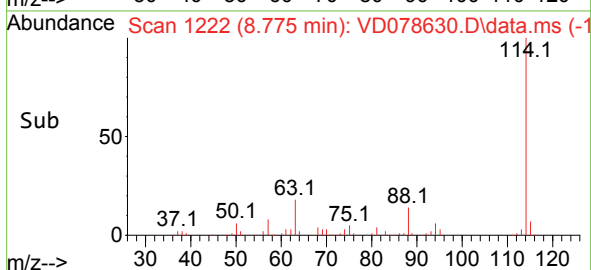
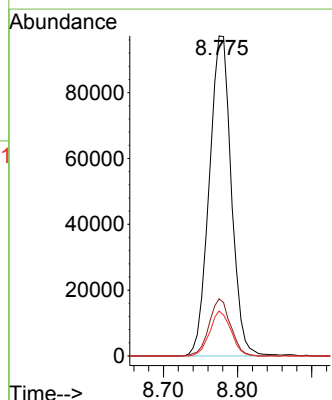
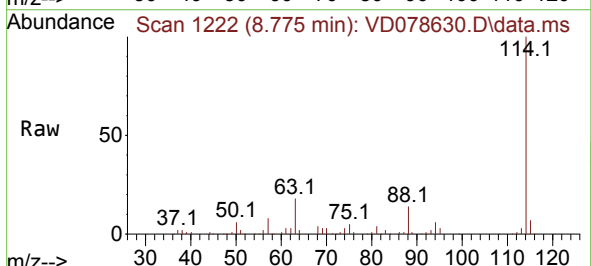
Tgt Ion: 114 Resp: 200808

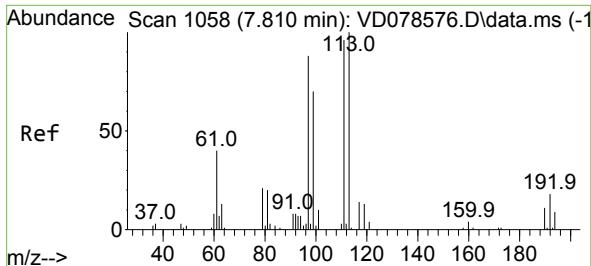
Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.4

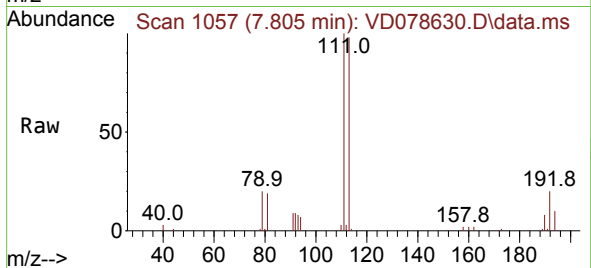
88 14.0 0.0 26.2



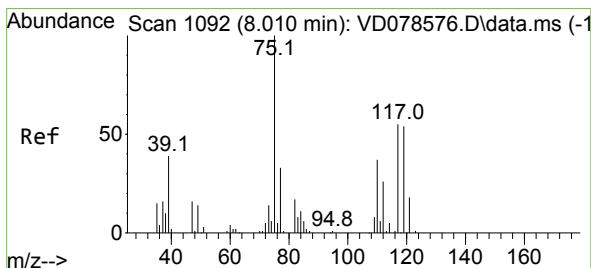
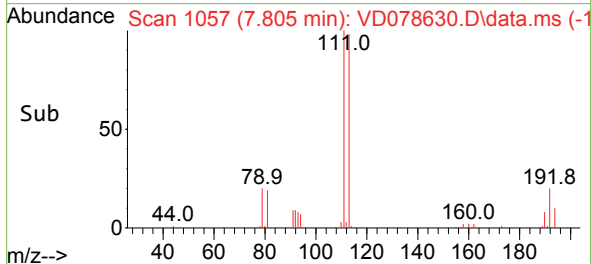
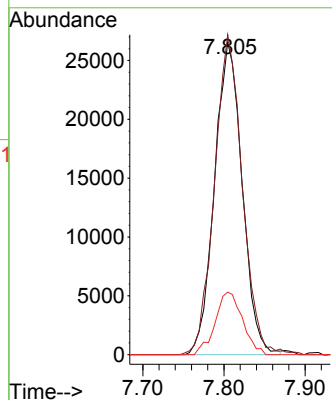


#35
Dibromofluoromethane
Concen: 48.134 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VD078630.D
Acq: 11 Mar 2024 15:16

Instrument :
MSVOA_D
ClientSampleId :
RT-3860

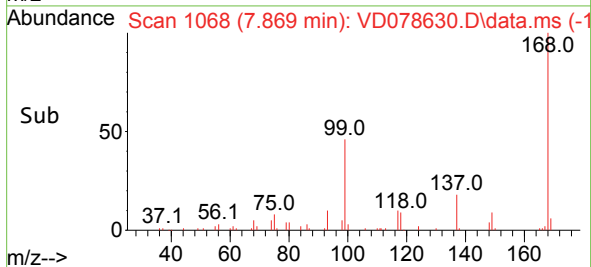
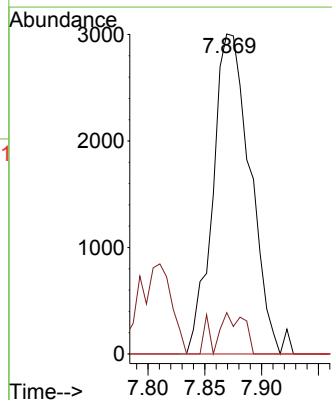
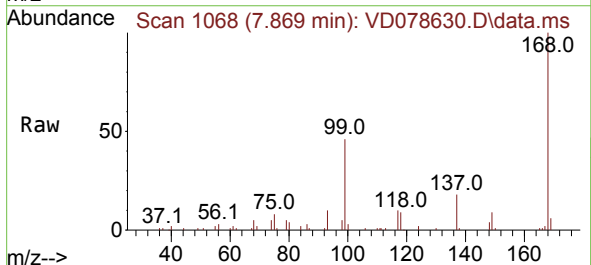


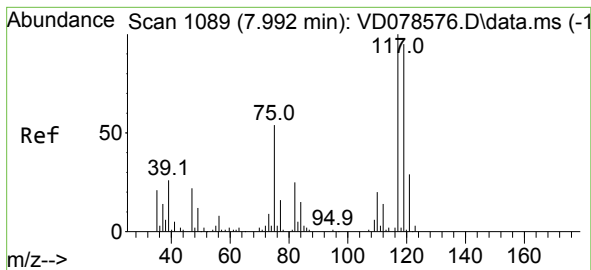
Tgt Ion:113 Resp: 62875
Ion Ratio Lower Upper
113 100
111 103.0 84.7 127.1
192 19.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.789 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VD078630.D
Acq: 11 Mar 2024 15:16

Tgt Ion: 75 Resp: 6848
Ion Ratio Lower Upper
75 100
110 7.9 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.823 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.117 min

Lab File: VD078630.D

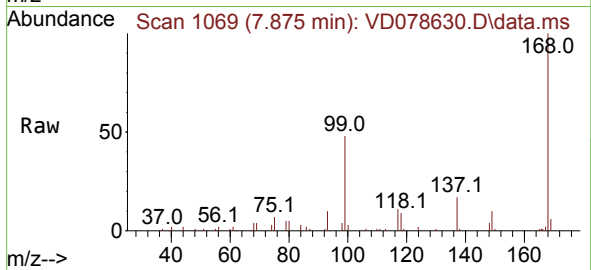
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Instrument :

MSVOA_D

ClientSampleId :

RT-3860



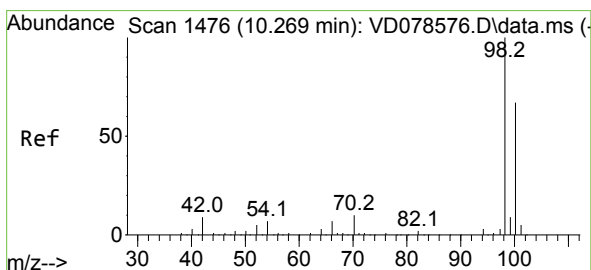
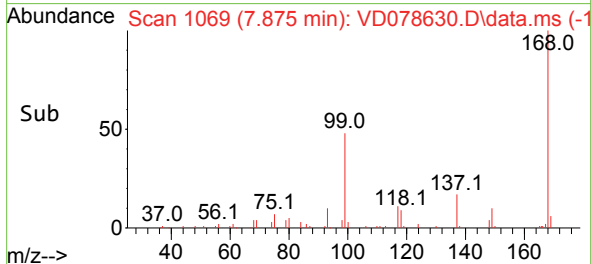
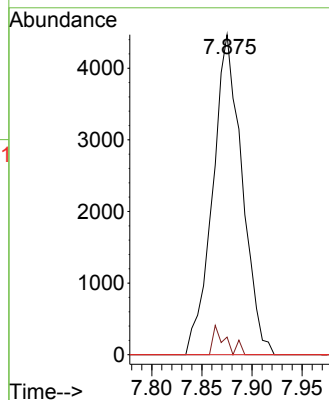
Tgt Ion:117 Resp: 9119

Ion Ratio Lower Upper

117 100

119 5.5 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 50.315 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078630.D

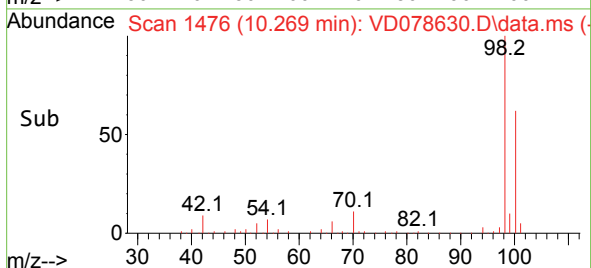
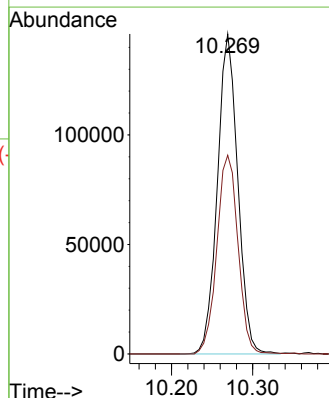
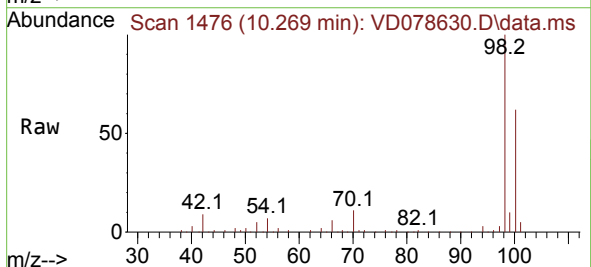
Acq: 11 Mar 2024 15:16

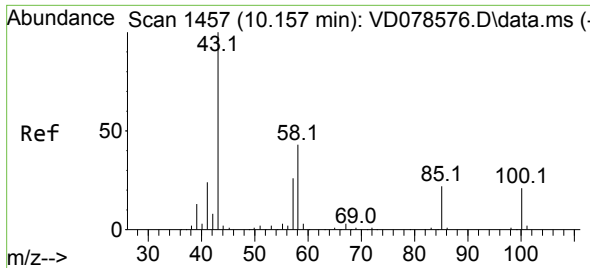
Tgt Ion: 98 Resp: 255391

Ion Ratio Lower Upper

98 100

100 64.3 50.3 75.5

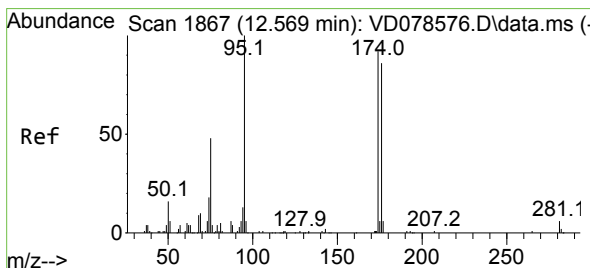
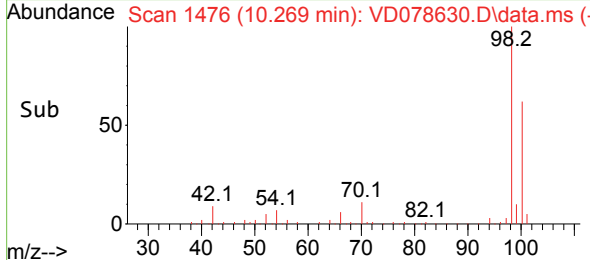
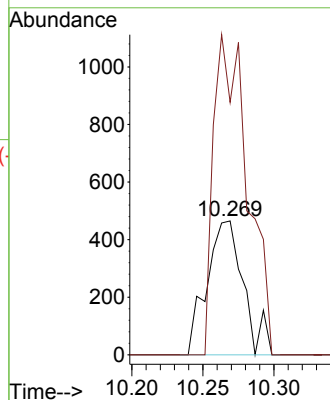
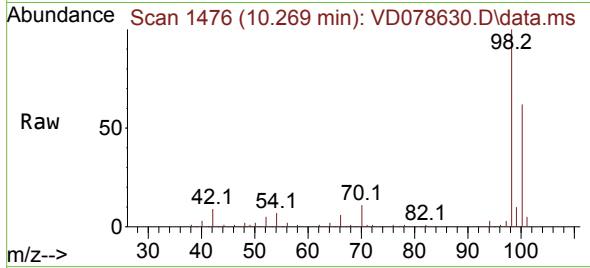




#51
 4-Methyl-2-Pentanone
 Concen: 1.432 ug/l
 RT: 10.269 min Scan# 1457
 Delta R.T. 0.112 min
 Lab File: VD078630.D
 Acq: 11 Mar 2024 15:16

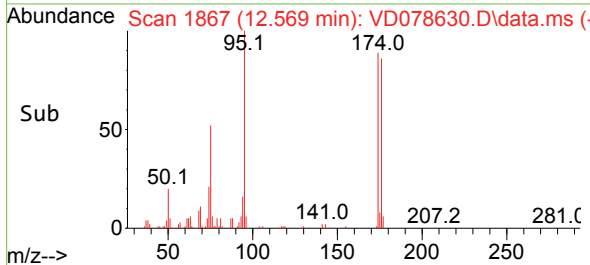
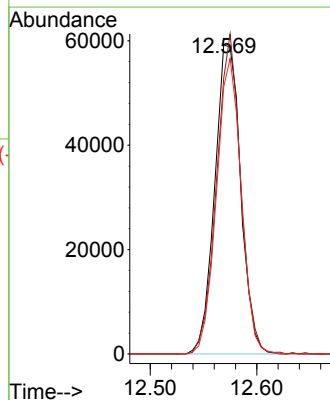
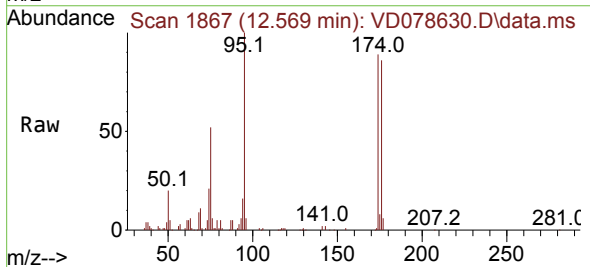
Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3860

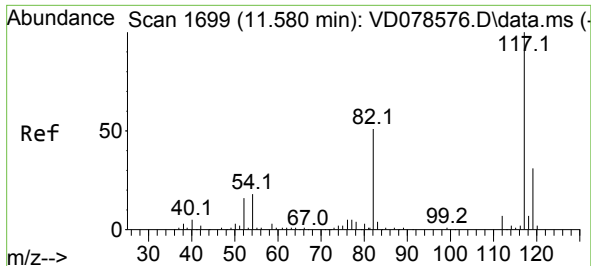
Tgt Ion: 43 Resp: 830
 Ion Ratio Lower Upper
 43 100
 58 223.0 38.9 58.3#



#62
 4-Bromofluorobenzene
 Concen: 69.024 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. 0.000 min
 Lab File: VD078630.D
 Acq: 11 Mar 2024 15:16

Tgt Ion: 95 Resp: 100067
 Ion Ratio Lower Upper
 95 100
 174 96.3 0.0 201.8
 176 91.0 0.0 191.8

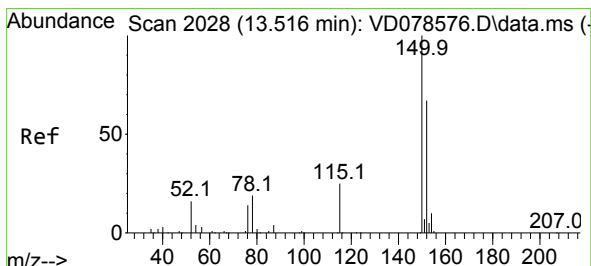
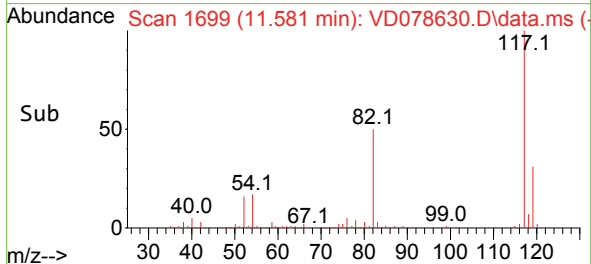
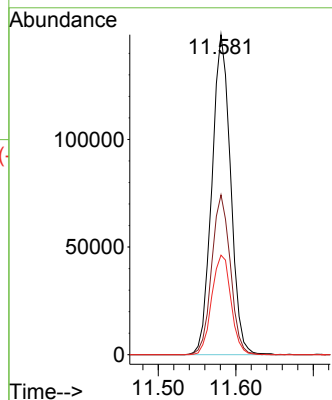
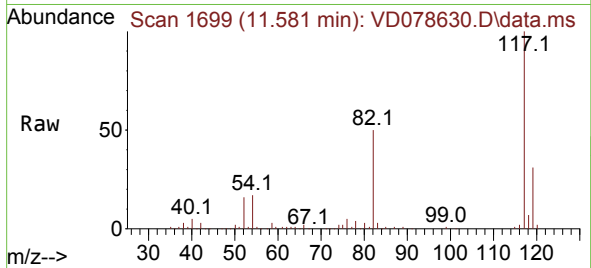




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD078630.D
Acq: 11 Mar 2024 15:16

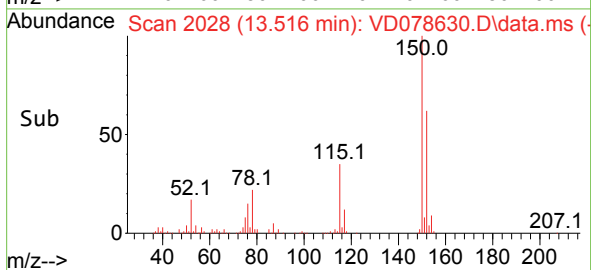
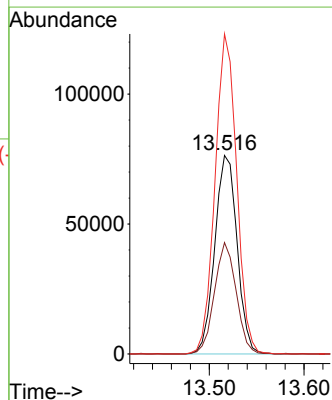
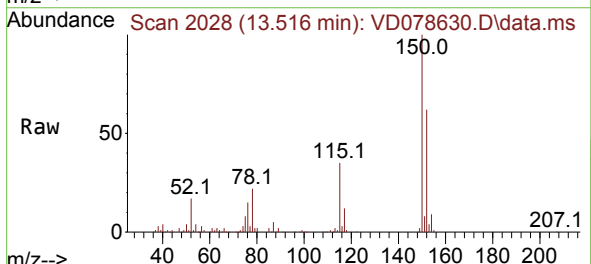
Instrument :
MSVOA_D
ClientSampleId :
RT-3860

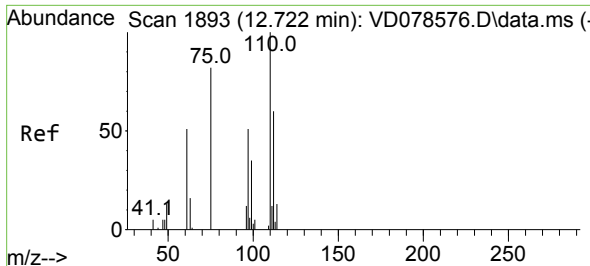
Tgt Ion:117 Resp: 248973
Ion Ratio Lower Upper
117 100
82 49.9 38.3 57.5
119 31.1 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD078630.D
Acq: 11 Mar 2024 15:16

Tgt Ion:152 Resp: 125108
Ion Ratio Lower Upper
152 100
115 54.7 27.1 81.3
150 156.1 0.0 353.6

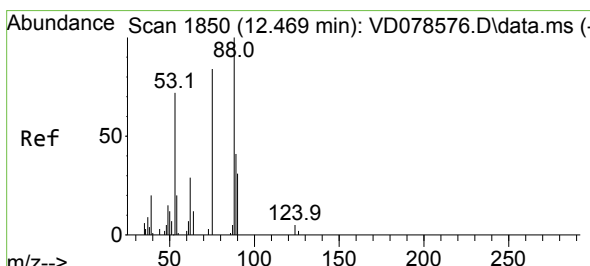
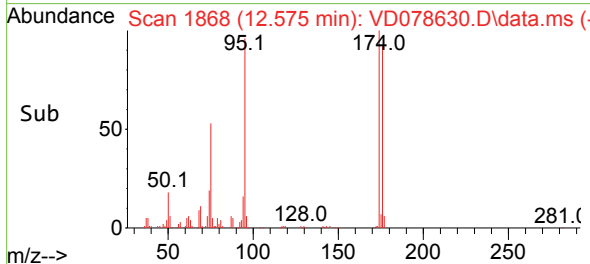
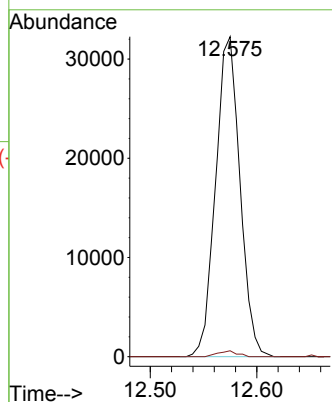
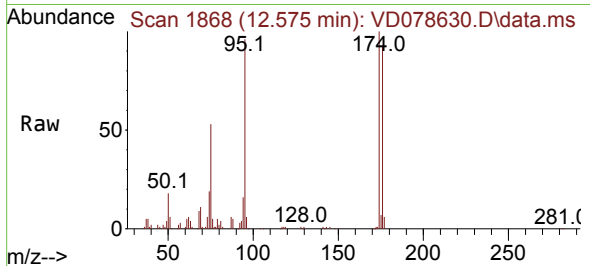




#76
1,2,3-Trichloropropane
Concen: 53.525 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078630.D
Acq: 11 Mar 2024 15:16

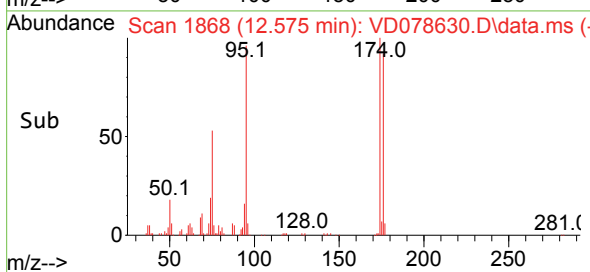
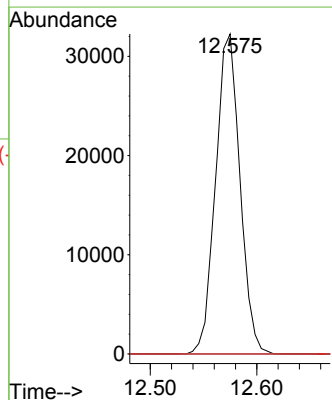
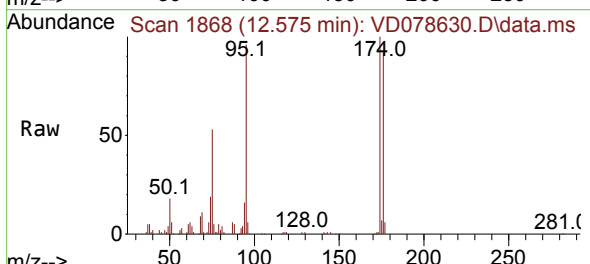
Instrument :
MSVOA_D
ClientSampleId :
RT-3860

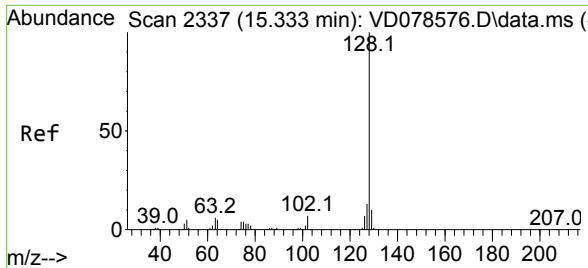
Tgt Ion: 75 Resp: 51143
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.566 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078630.D
Acq: 11 Mar 2024 15:16

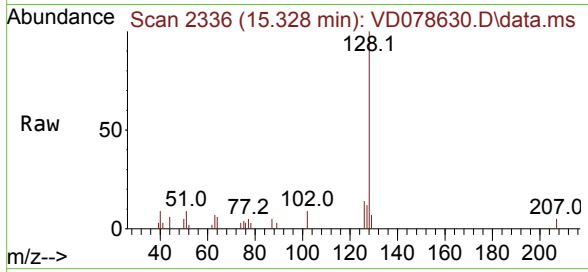
Tgt Ion: 75 Resp: 51143
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#95
 Naphthalene
 Concen: 3.231 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD078630.D
 Acq: 11 Mar 2024 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3860



Tgt Ion:	128	Resp:	11770
Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.5	15.7
129	6.5	8.7	13.1#

