

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041923\
 Data File : VD075747.D
 Acq On : 19 Apr 2023 14:21
 Operator : KP/SY
 Sample : 02270-15RE
 Misc : 4.43G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 20 06:00:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

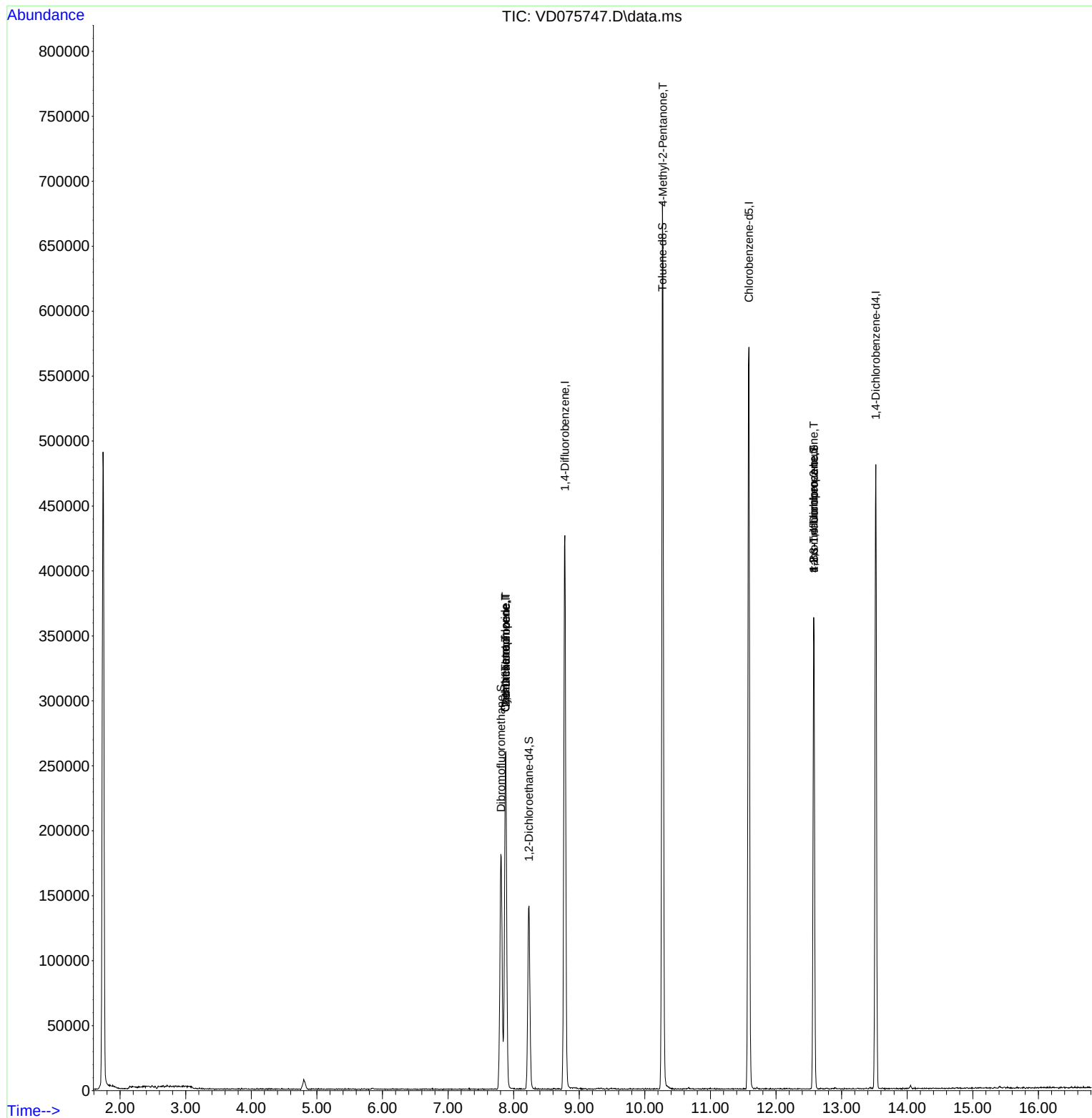
Internal Standards						
1) Pentafluorobenzene	7.881	168	214093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	423627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	368957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	139467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	109443	53.856	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.720%	
35) Dibromofluoromethane	7.810	113	135111	47.419	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.840%	
50) Toluene-d8	10.269	98	500605	43.873	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 87.740%	
62) 4-Bromofluorobenzene	12.575	95	117794	38.840	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.680%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.798	84	6210	Below Cal	#	73
31) Cyclohexane	7.875	56	4159	1.304	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	15687	3.991	ug/l #	49
38) Carbon Tetrachloride	7.875	117	20206	5.837	ug/l #	20
51) 4-Methyl-2-Pentanone	10.275	43	1363	1.172	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	56738	49.886	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	56738	108.124	ug/l #	5

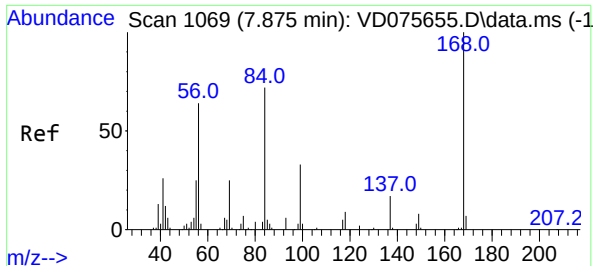
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 14:16:29 2023
Response via : Initial Calibration

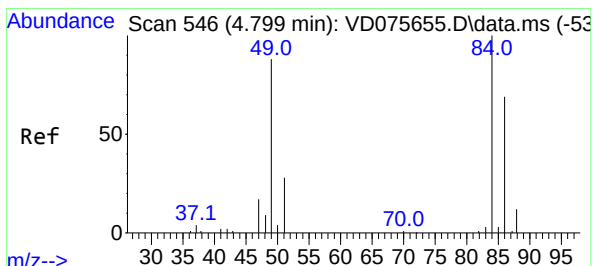
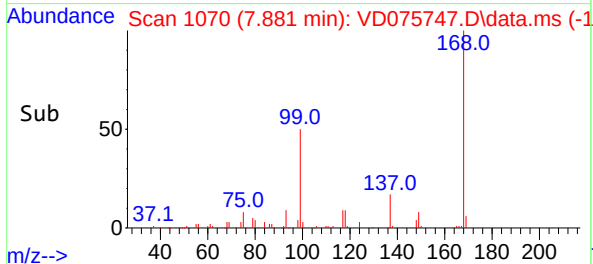
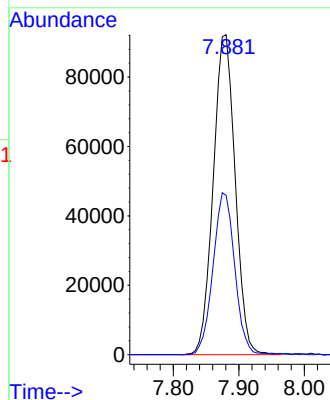
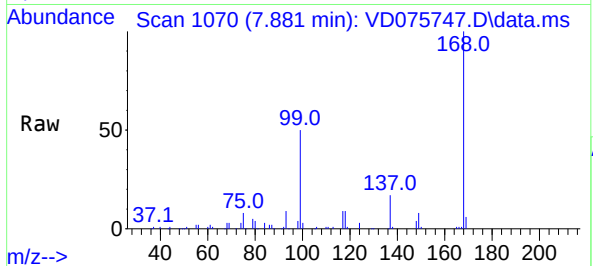




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD075747.D
Acq: 19 Apr 2023 14:21

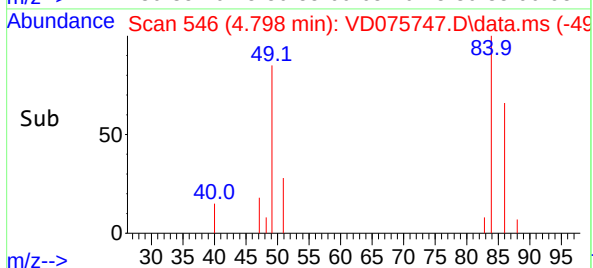
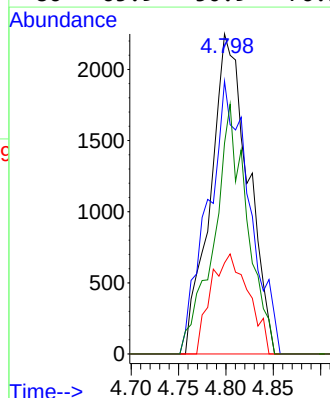
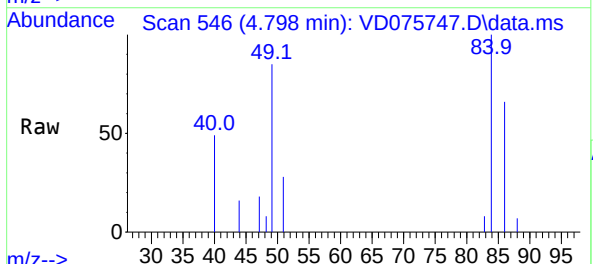
Instrument :
MSVOA_D
ClientSampleId :

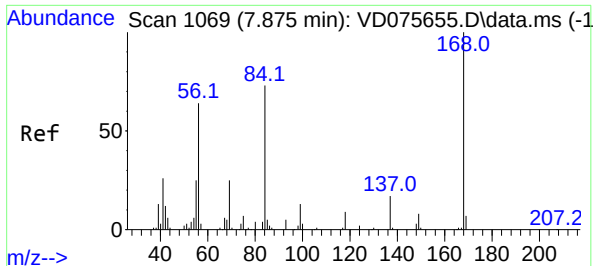
Tgt Ion:168 Resp: 214093
Ion Ratio Lower Upper
168 100
99 49.8 43.8 65.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.798 min Scan# 546
Delta R.T. -0.001 min
Lab File: VD075747.D
Acq: 19 Apr 2023 14:21

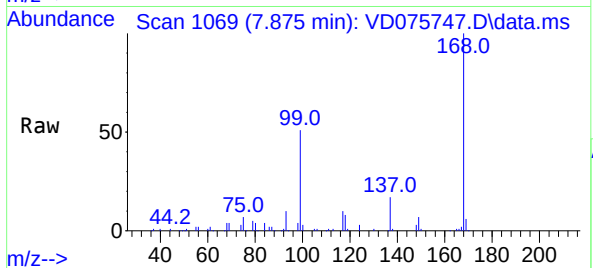
Tgt Ion: 84 Resp: 6210
Ion Ratio Lower Upper
84 100
49 85.2 106.4 159.6#
51 28.5 32.4 48.6#
86 65.9 50.9 76.3



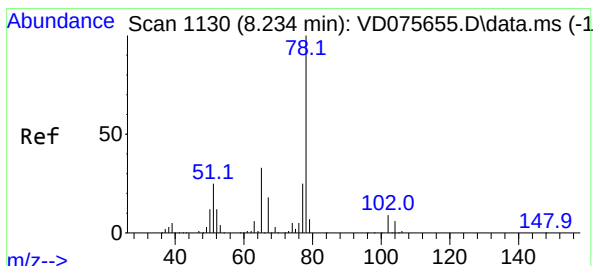
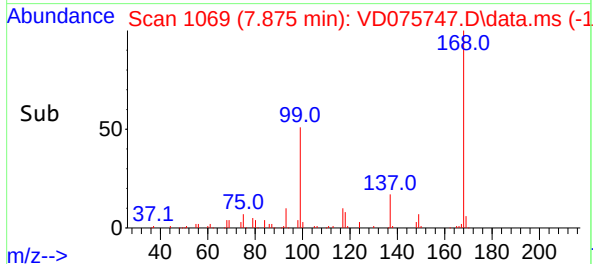
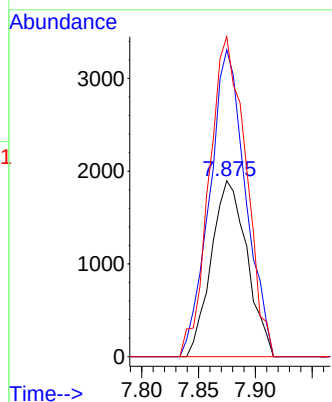


#31
Cyclohexane
Concen: 1.304 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075747.D
Acq: 19 Apr 2023 14:21

Instrument :
MSVOA_D
ClientSampleId :

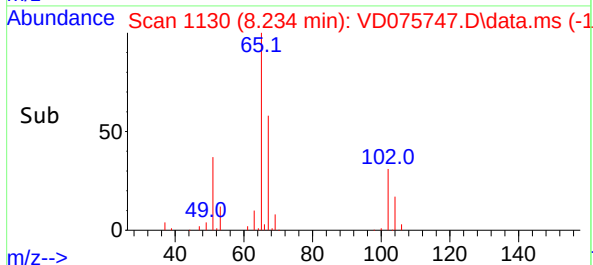
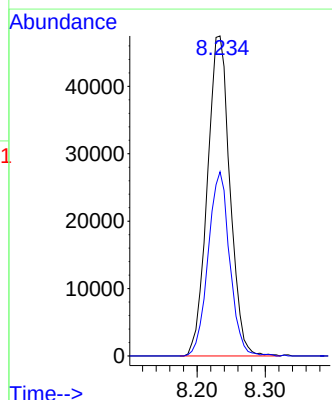
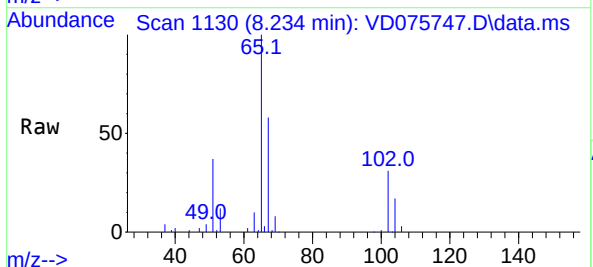


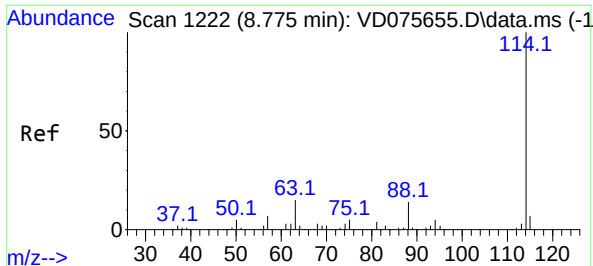
Tgt Ion: 56 Resp: 4159
Ion Ratio Lower Upper
56 100
69 174.4 25.5 38.3#
84 181.9 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 53.856 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075747.D
Acq: 19 Apr 2023 14:21

Tgt Ion: 65 Resp: 109443
Ion Ratio Lower Upper
65 100
67 54.9 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD075747.D

Acq: 19 Apr 2023 14:21

Instrument :

MSVOA_D

ClientSampleId :

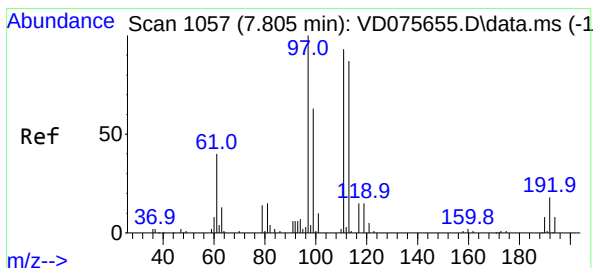
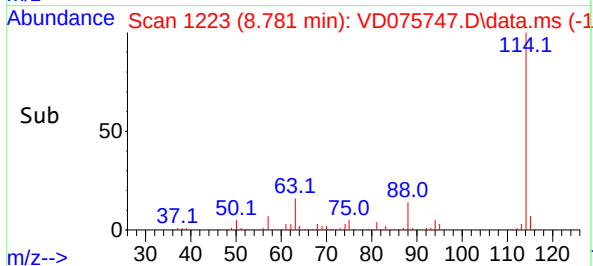
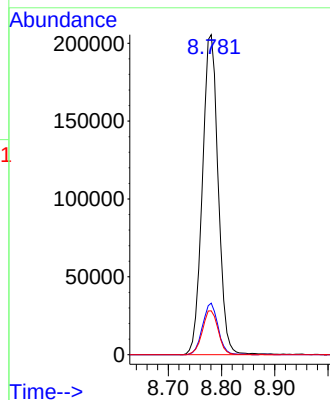
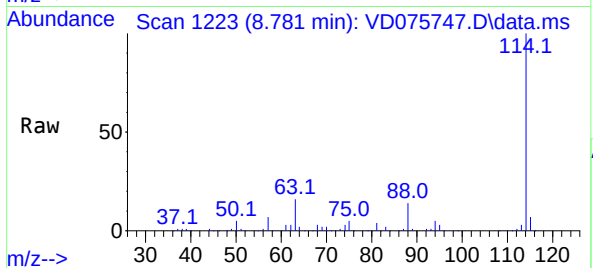
Tgt Ion:114 Resp: 423627

Ion Ratio Lower Upper

114 100

63 16.1 0.0 41.6

88 13.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.419 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD075747.D

Acq: 19 Apr 2023 14:21

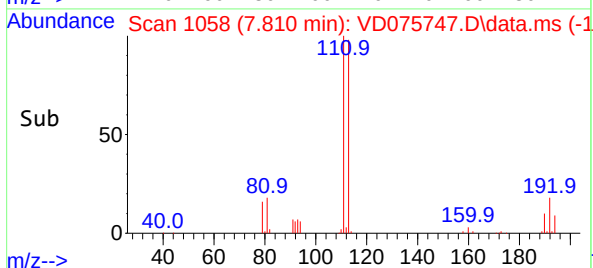
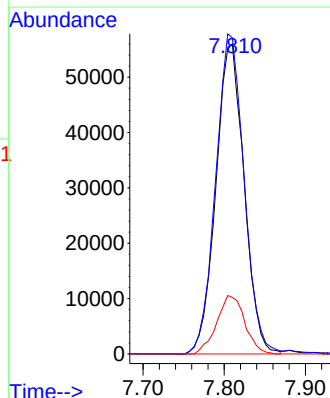
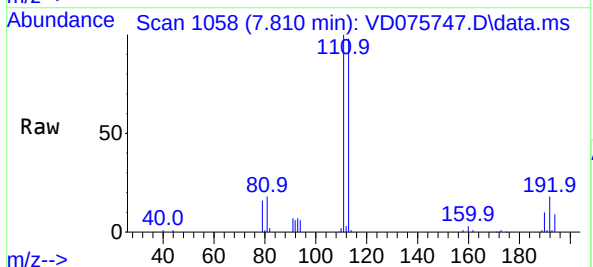
Tgt Ion:113 Resp: 135111

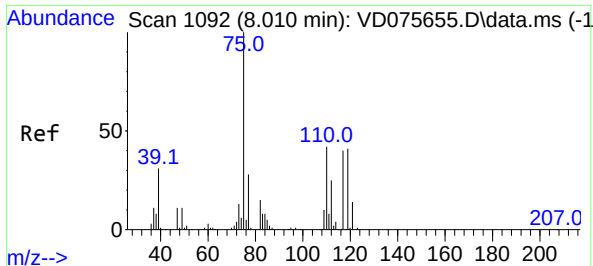
Ion Ratio Lower Upper

113 100

111 104.2 81.4 122.0

192 18.8 15.2 22.8





#36

1,1-Dichloropropene

Concen: 3.991 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD075747.D

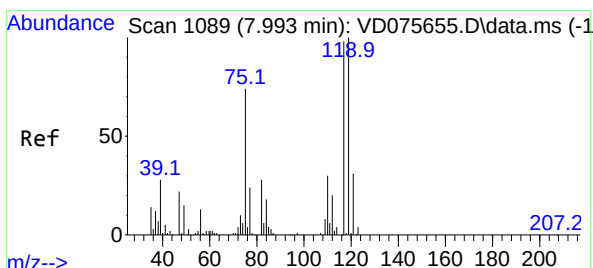
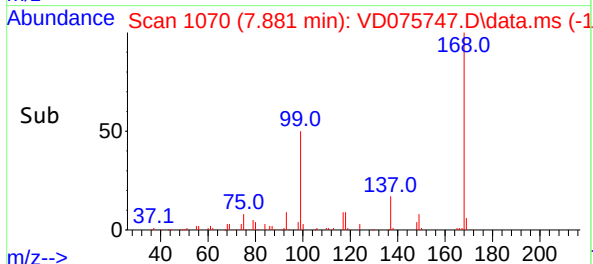
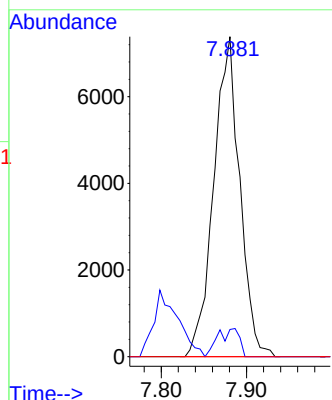
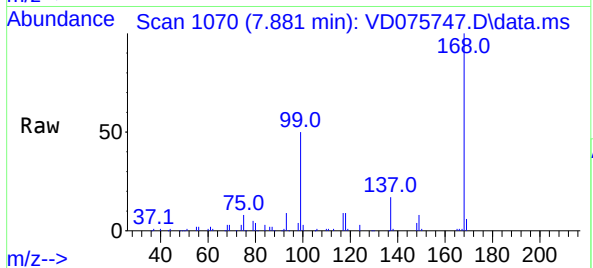
Acq: 19 Apr 2023 14:21

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	75	Resp:	15687
Ion	Ratio	Lower	Upper
75	100		
110	7.3	17.1	51.2#
77	0.0	24.6	36.8#



#38

Carbon Tetrachloride

Concen: 5.837 ug/l

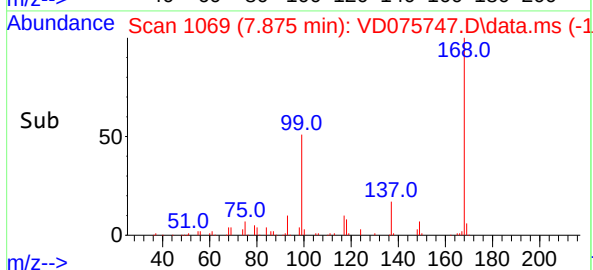
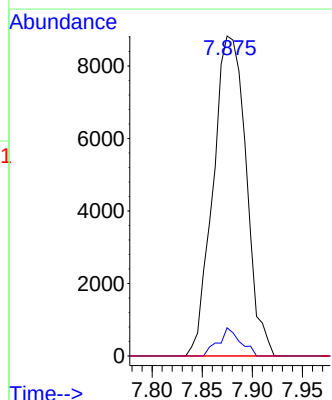
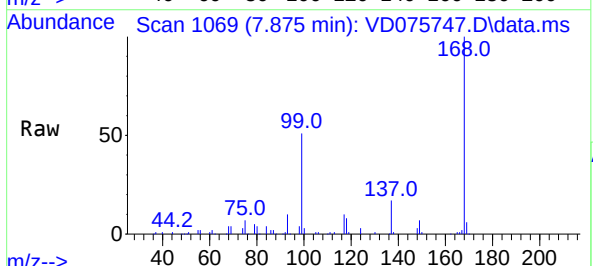
RT: 7.875 min Scan# 1069

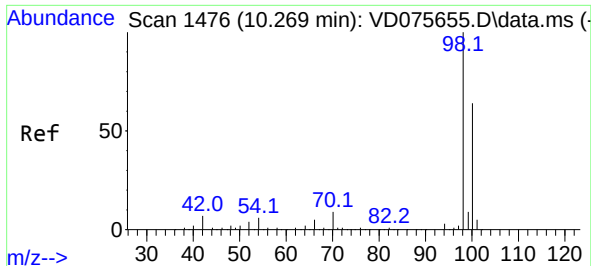
Delta R.T. -0.118 min

Lab File: VD075747.D

Acq: 19 Apr 2023 14:21

Tgt Ion:	117	Resp:	20206
Ion	Ratio	Lower	Upper
117	100		
119	8.8	74.7	112.1#
121	0.0	25.9	38.9#

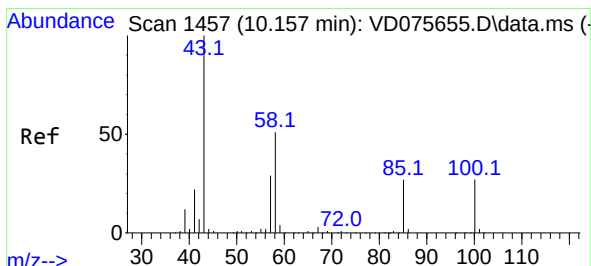
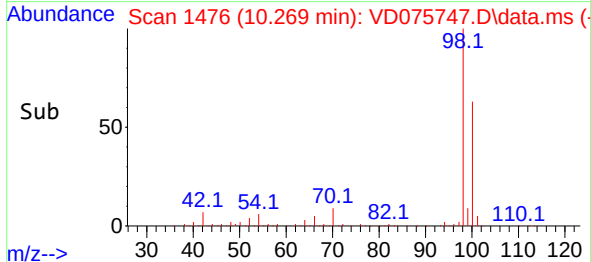
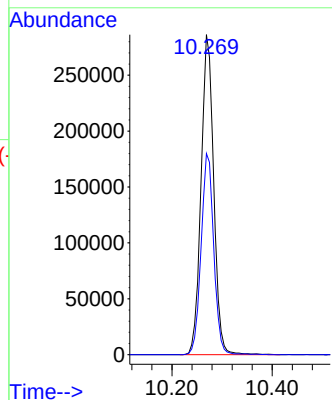
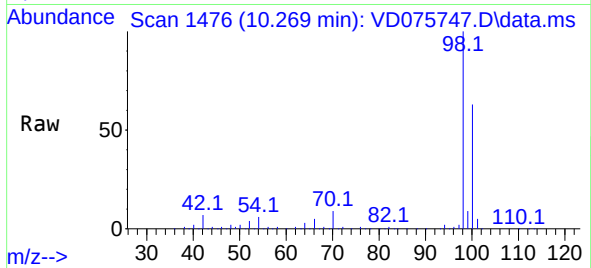




#50
Toluene-d8
Concen: 43.873 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075747.D
Acq: 19 Apr 2023 14:21

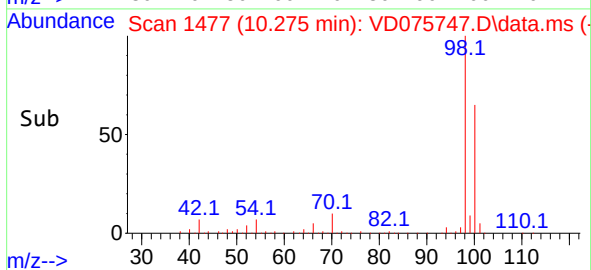
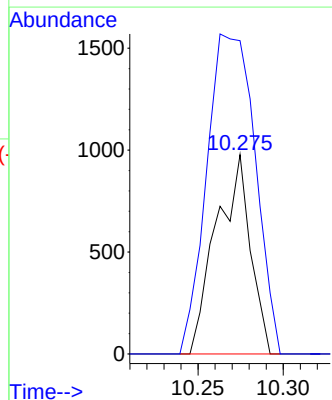
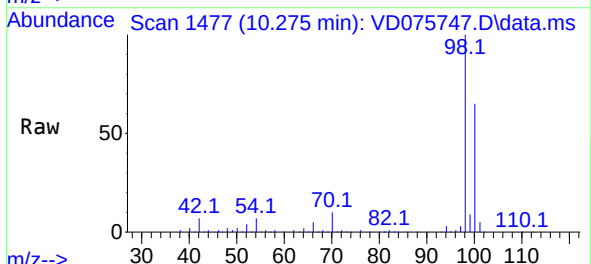
Instrument :
MSVOA_D
ClientSampleId :

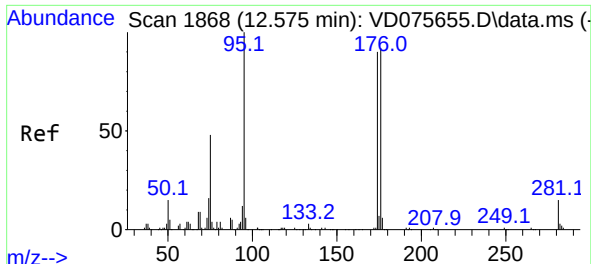
Tgt Ion: 98 Resp: 500605
Ion Ratio Lower Upper
98 100
100 63.0 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.172 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD075747.D
Acq: 19 Apr 2023 14:21

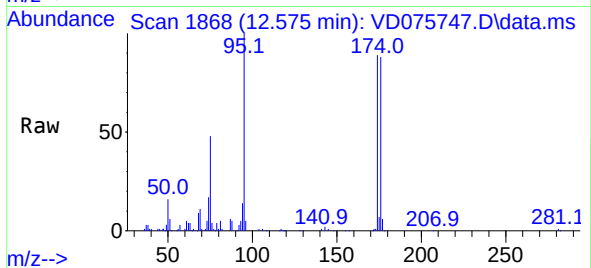
Tgt Ion: 43 Resp: 1363
Ion Ratio Lower Upper
43 100
58 227.1 29.5 44.3#



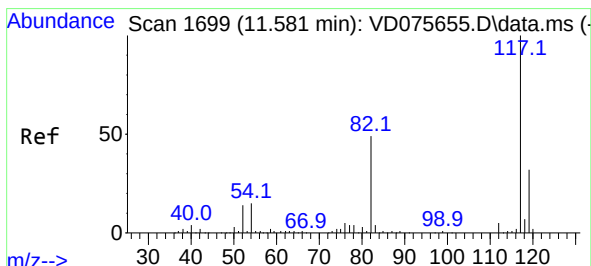
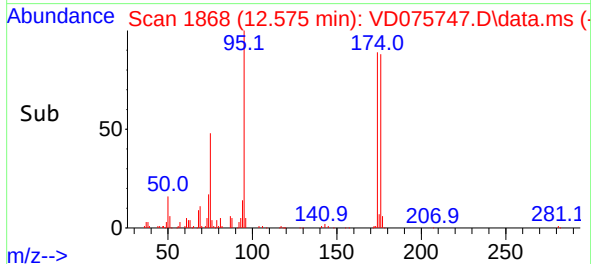
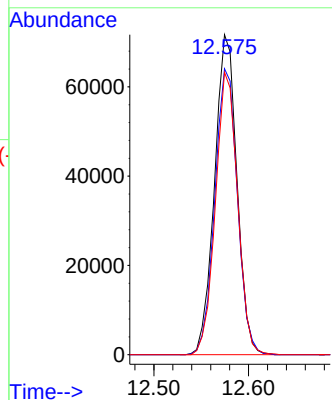


#62
4-Bromofluorobenzene
Concen: 38.840 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075747.D
Acq: 19 Apr 2023 14:21

Instrument :
MSVOA_D
ClientSampleId :

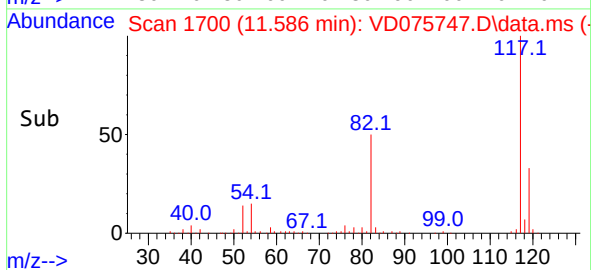
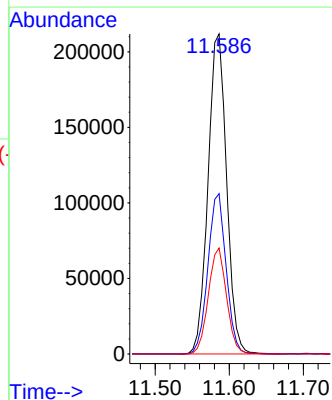
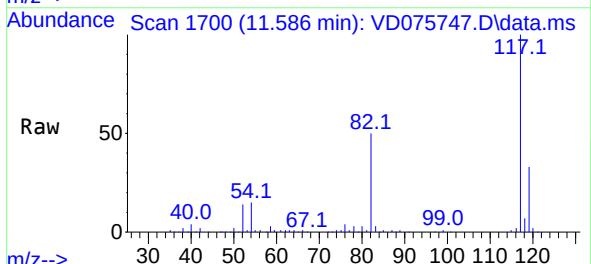


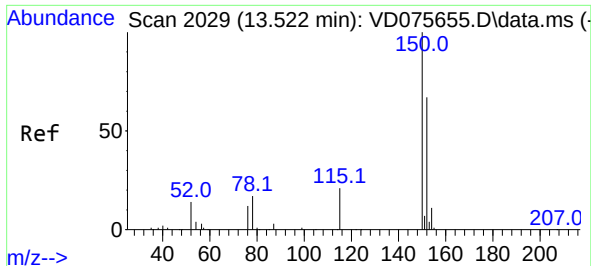
Tgt Ion: 95 Resp: 117794
Ion Ratio Lower Upper
95 100
174 90.2 0.0 164.0
176 87.1 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.586 min Scan# 1700
Delta R.T. 0.005 min
Lab File: VD075747.D
Acq: 19 Apr 2023 14:21

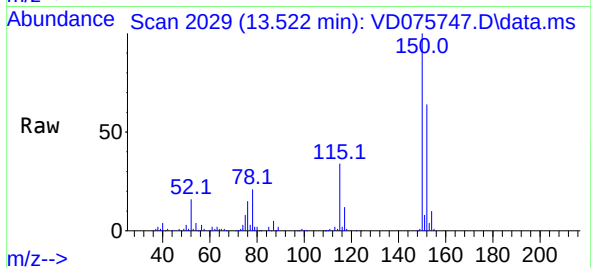
Tgt Ion: 117 Resp: 368957
Ion Ratio Lower Upper
117 100
82 50.1 44.0 66.0
119 33.1 25.1 37.7



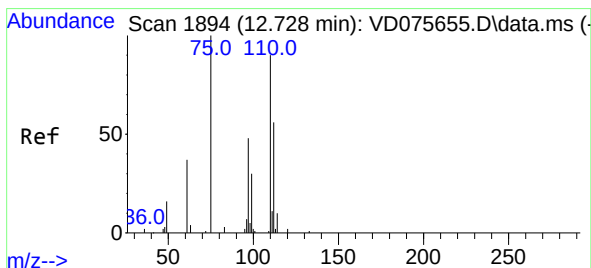
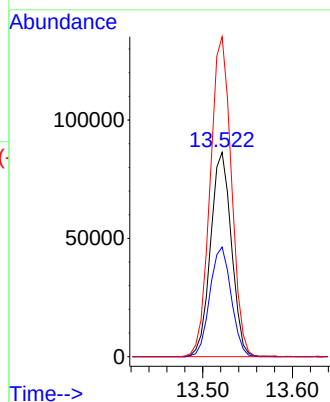
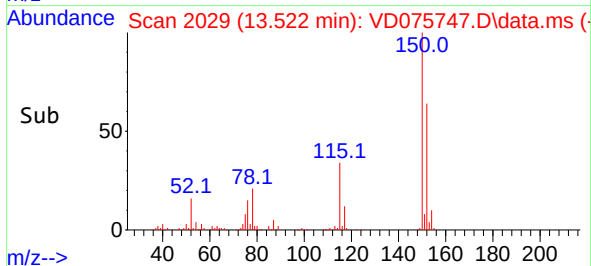


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075747.D
Acq: 19 Apr 2023 14:21

Instrument :
MSVOA_D
ClientSampleId :

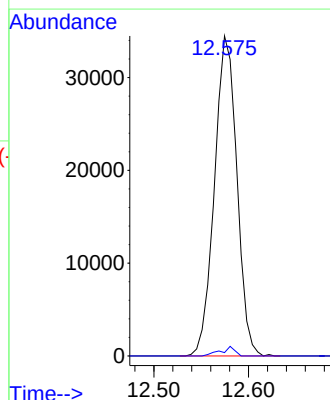
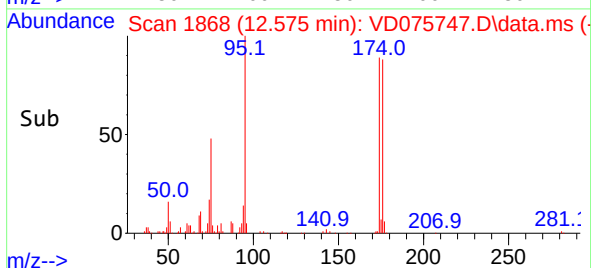
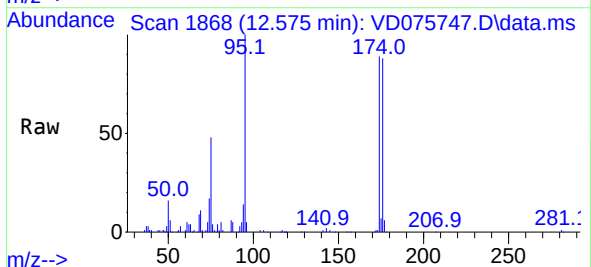


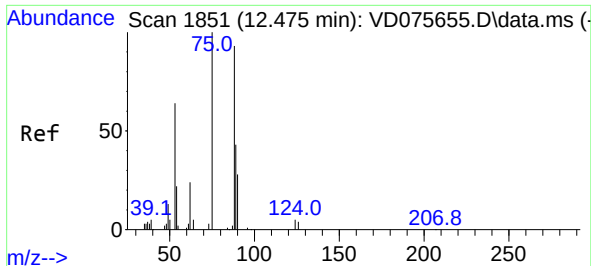
Tgt Ion:152 Resp: 139467
Ion Ratio Lower Upper
152 100
115 54.8 30.1 90.3
150 159.0 0.0 364.8



#76
1,2,3-Trichloropropane
Concen: 49.886 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075747.D
Acq: 19 Apr 2023 14:21

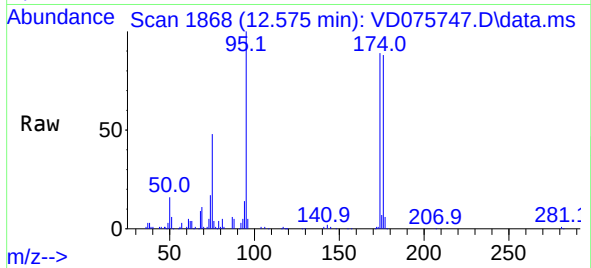
Tgt Ion: 75 Resp: 56738
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.124 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.100 min
 Lab File: VD075747.D
 Acq: 19 Apr 2023 14:21

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 56738

Ion	Ratio	Lower	Upper
75	100		
53	0.0	90.5	135.7#
89	0.0	40.2	60.4#

