

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041823\
 Data File : VD075728.D
 Acq On : 18 Apr 2023 15:48
 Operator : KP/SY
 Sample : 02270-15
 Misc : 4.46G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-19-0-2-20230411

Quant Time: Apr 19 01:24:00 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)

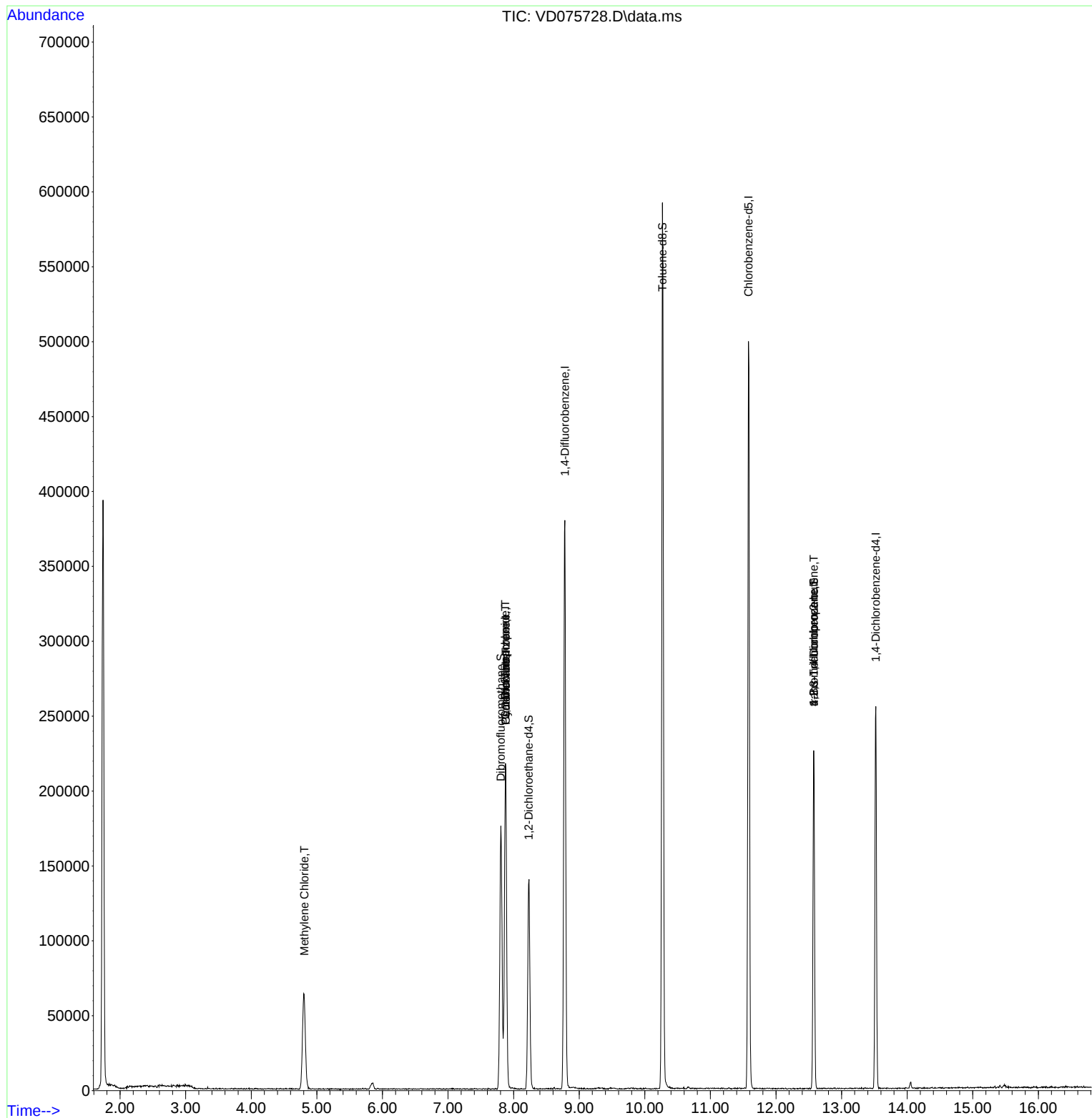
Internal Standards						
1) Pentafluorobenzene	7.881	168	179700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	372906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	334593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	75774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	106916	62.682	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.360%	
35) Dibromofluoromethane	7.805	113	130827	52.160	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.320%	
50) Toluene-d8	10.269	98	438662	43.673	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 87.340%	
62) 4-Bromofluorobenzene	12.575	95	72090	27.003	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 54.000%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.811	84	58559	21.607	ug/l #	72
31) Cyclohexane	7.881	56	3527	1.318	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	13120	3.792	ug/l #	49
38) Carbon Tetrachloride	7.875	117	17360	5.697	ug/l #	18
76) 1,2,3-Trichloropropane	12.575	75	36432	58.958	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	36432	127.786	ug/l #	5

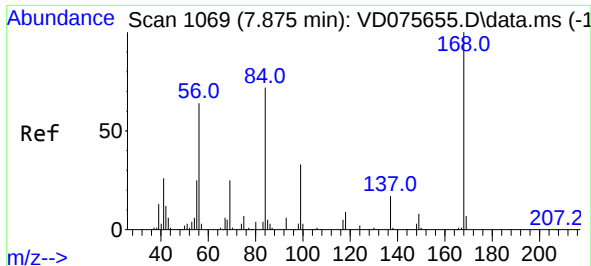
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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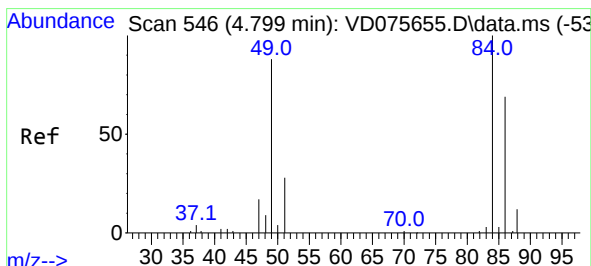
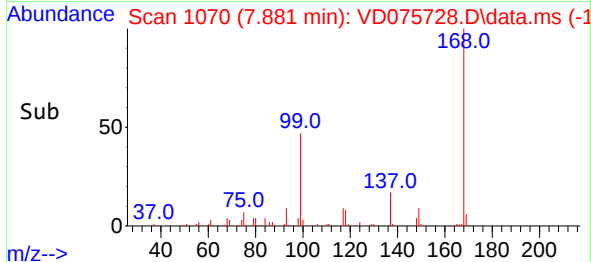
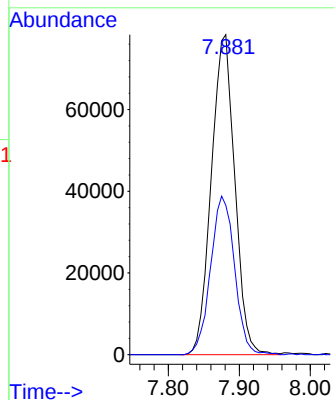
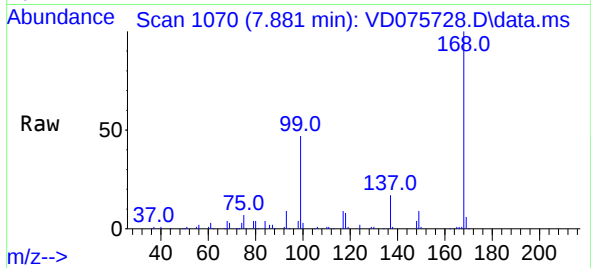




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD075728.D
Acq: 18 Apr 2023 15:48

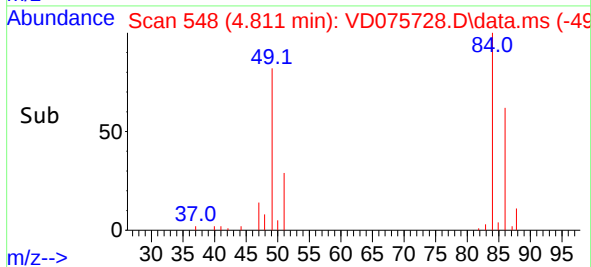
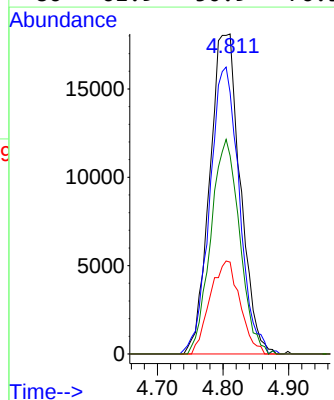
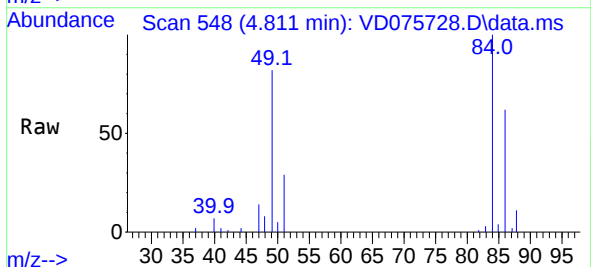
Instrument :
MSVOA_D
ClientSampleId :
SB-19-0-2-20230411

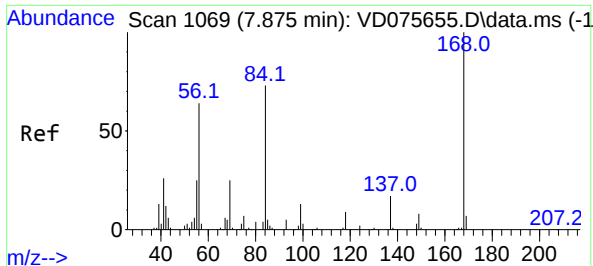
Tgt Ion:168 Resp: 179700
Ion Ratio Lower Upper
168 100
99 46.7 43.8 65.6



#20
Methylene Chloride
Concen: 21.607 ug/l
RT: 4.811 min Scan# 548
Delta R.T. 0.012 min
Lab File: VD075728.D
Acq: 18 Apr 2023 15:48

Tgt Ion: 84 Resp: 58559
Ion Ratio Lower Upper
84 100
49 81.7 106.4 159.6#
51 28.7 32.4 48.6#
86 61.9 50.9 76.3





#31

Cyclohexane

Concen: 1.318 ug/l

RT: 7.881 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VD075728.D

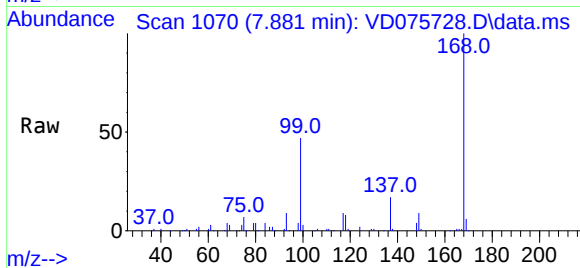
Acq: 18 Apr 2023 15:48

Instrument :

MSVOA_D

ClientSampleId :

SB-19-0-2-20230411



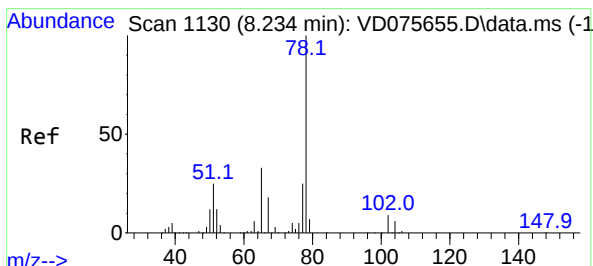
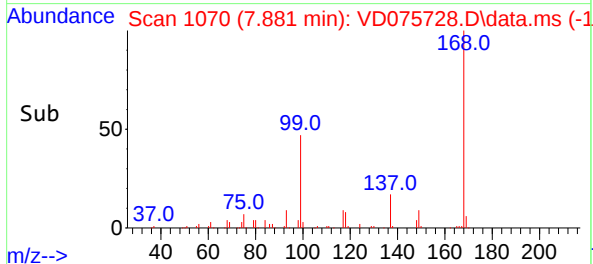
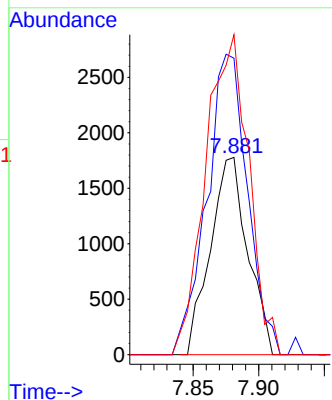
Tgt Ion: 56 Resp: 3527

Ion Ratio Lower Upper

56 100

69 150.3 25.5 38.3#

84 162.3 69.6 104.4#



#33

1,2-Dichloroethane-d4

Concen: 62.682 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075728.D

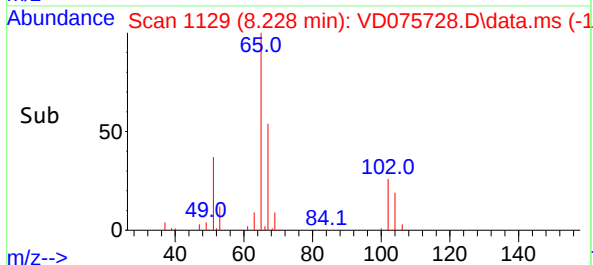
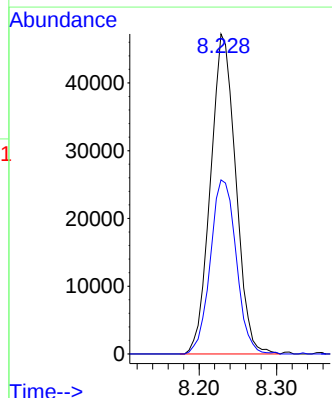
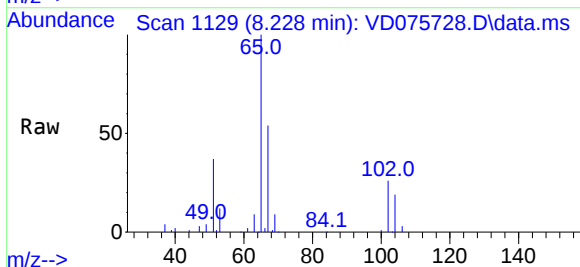
Acq: 18 Apr 2023 15:48

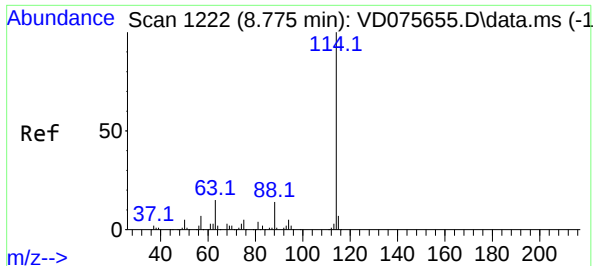
Tgt Ion: 65 Resp: 106916

Ion Ratio Lower Upper

65 100

67 55.8 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: VD075728.D

Acq: 18 Apr 2023 15:48

Instrument :

MSVOA_D

ClientSampleId :

SB-19-0-2-20230411

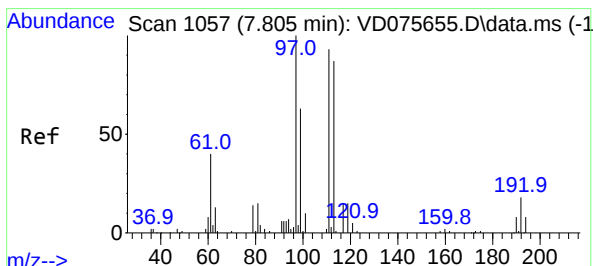
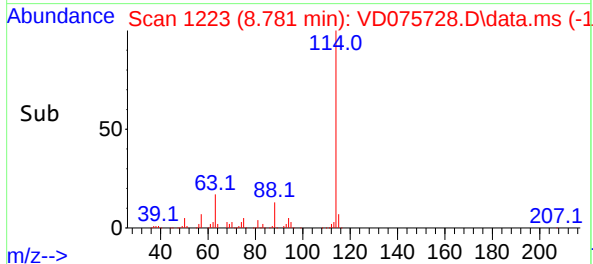
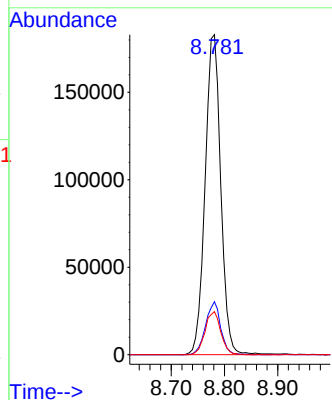
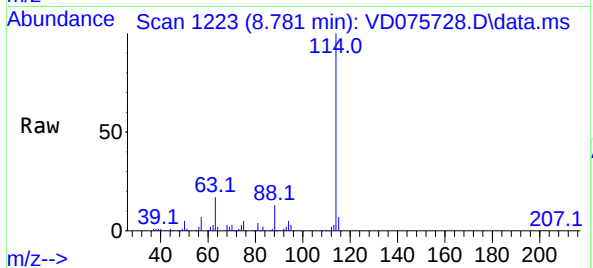
Tgt Ion:114 Resp: 372906

Ion Ratio Lower Upper

114 100

63 16.5 0.0 41.6

88 13.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.160 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075728.D

Acq: 18 Apr 2023 15:48

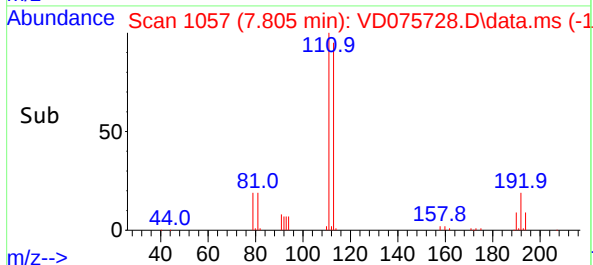
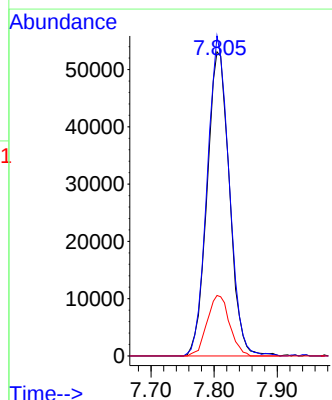
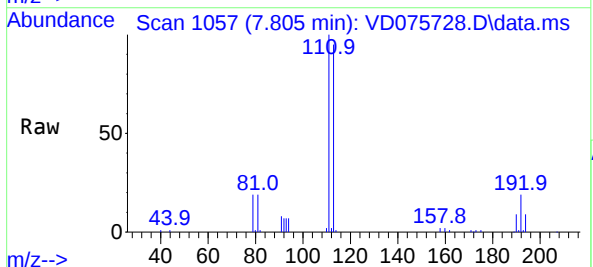
Tgt Ion:113 Resp: 130827

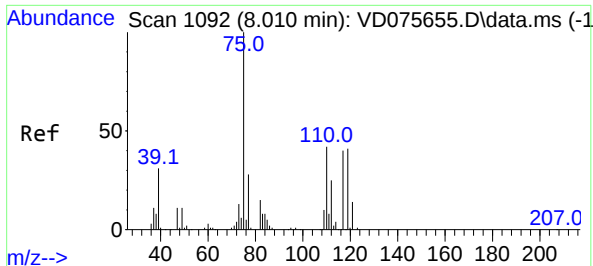
Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 19.9 15.2 22.8

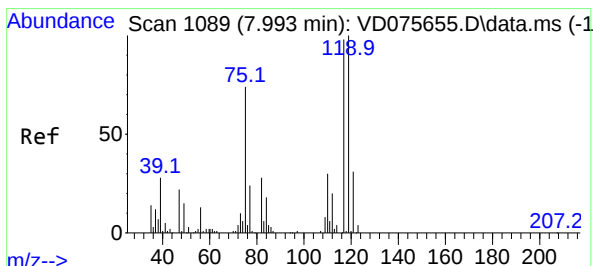
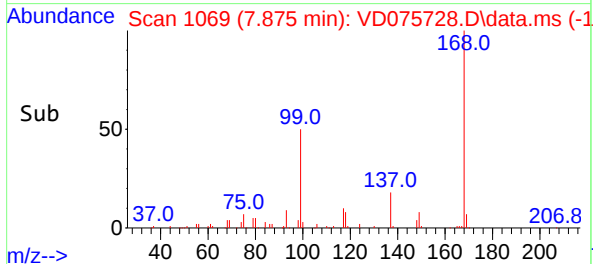
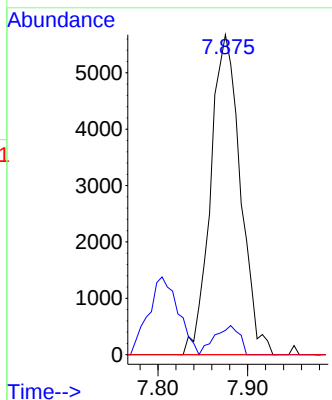
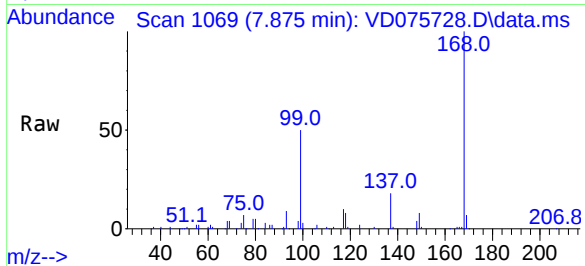




#36
1,1-Dichloropropene
Concen: 3.792 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD075728.D
Acq: 18 Apr 2023 15:48

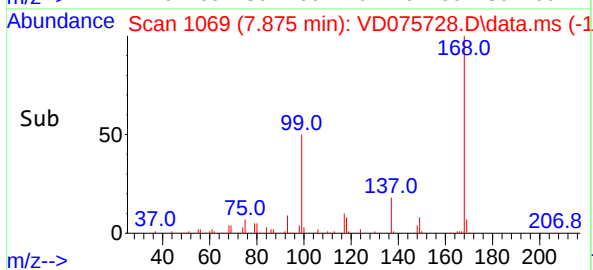
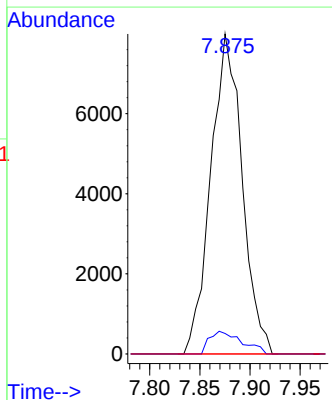
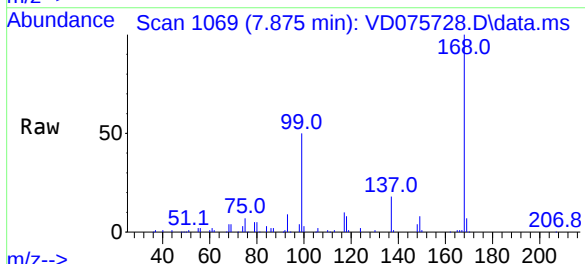
Instrument :
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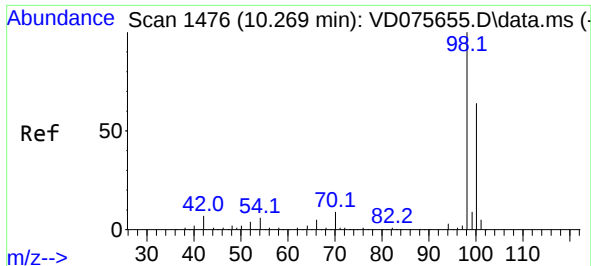
Tgt Ion:	75	Resp:	13120
Ion Ratio	Lower	Upper	
75	100		
110	7.5	17.1	51.2#
77	0.0	24.6	36.8#



#38
Carbon Tetrachloride
Concen: 5.697 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD075728.D
Acq: 18 Apr 2023 15:48

Tgt Ion:	117	Resp:	17360
Ion Ratio	Lower	Upper	
117	100		
119	6.4	74.7	112.1#
121	0.0	25.9	38.9#

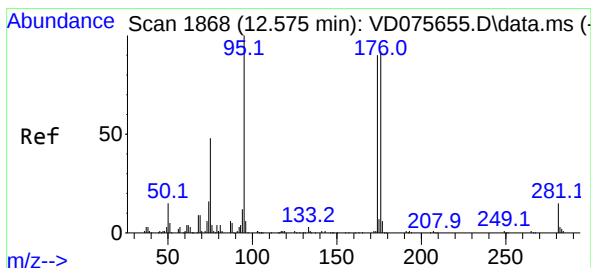
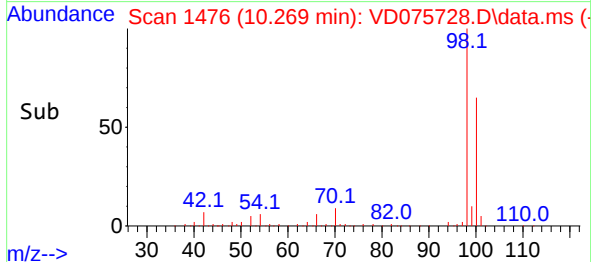
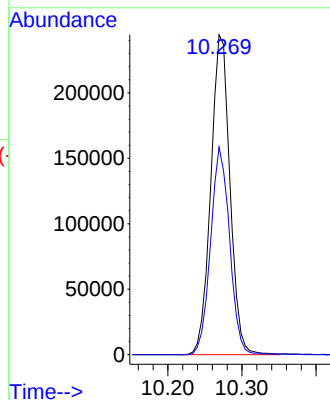
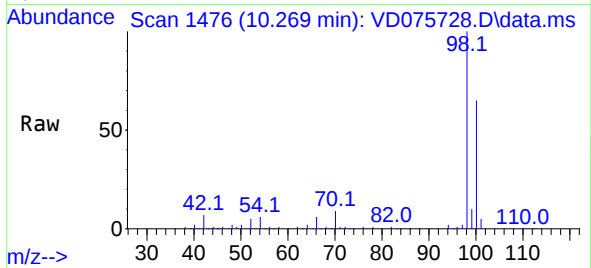




#50
Toluene-d8
Concen: 43.673 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075728.D
Acq: 18 Apr 2023 15:48

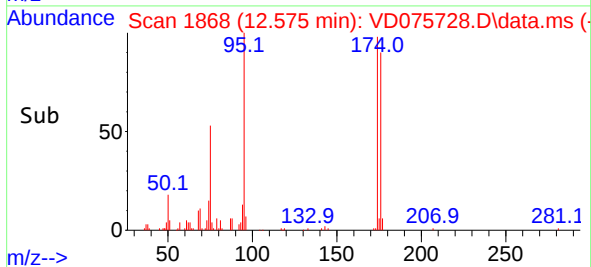
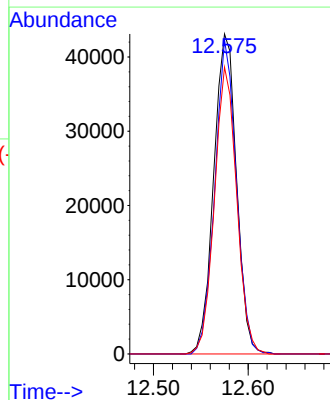
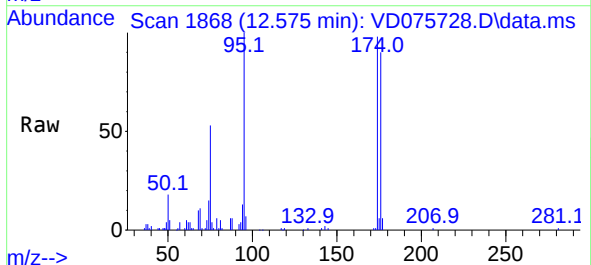
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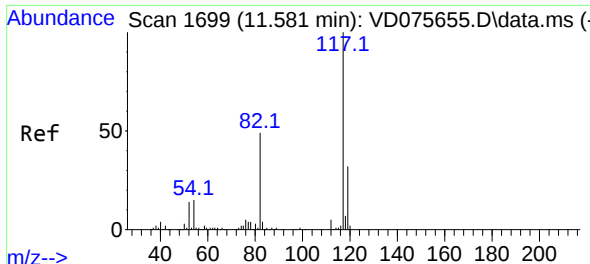
Tgt Ion: 98 Resp: 438662
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 27.003 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075728.D
Acq: 18 Apr 2023 15:48

Tgt Ion: 95 Resp: 72090
Ion Ratio Lower Upper
95 100
174 92.7 0.0 164.0
176 87.3 0.0 156.8

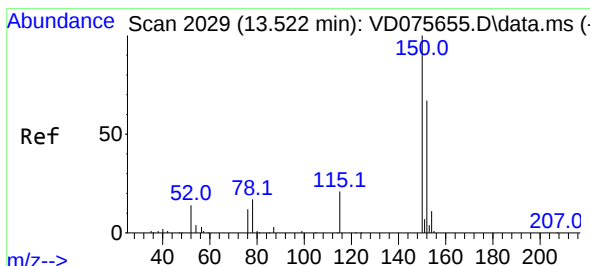
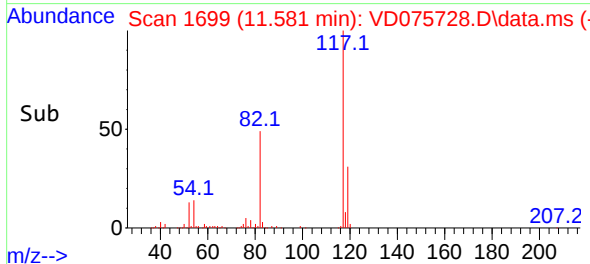
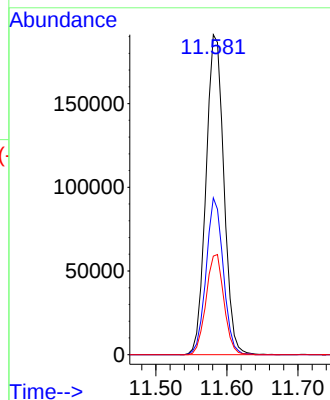
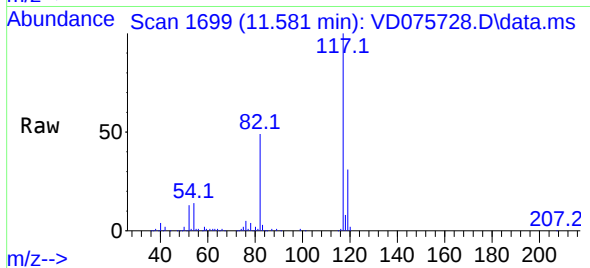




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD075728.D
Acq: 18 Apr 2023 15:48

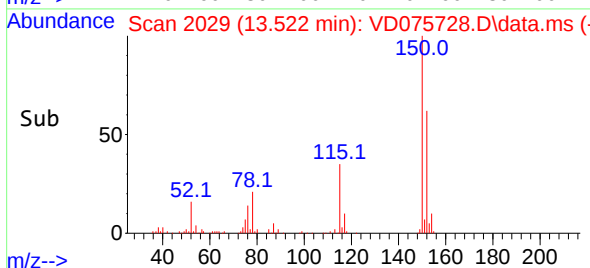
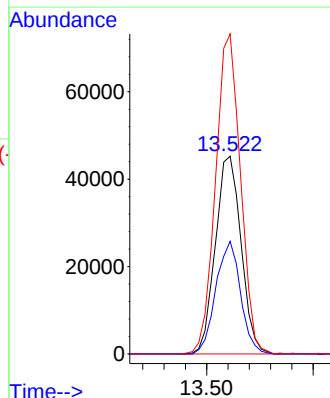
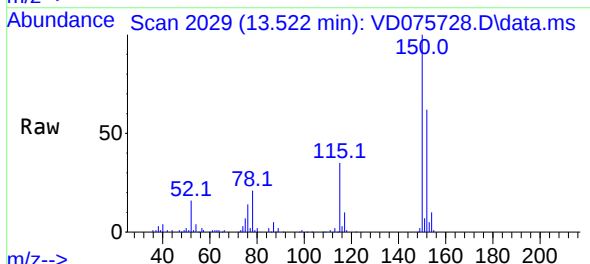
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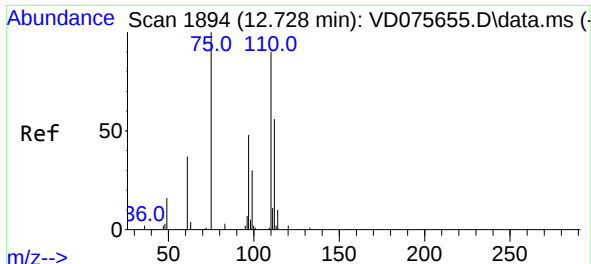
Tgt Ion:117 Resp: 334593
Ion Ratio Lower Upper
117 100
82 49.0 44.0 66.0
119 30.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075728.D
Acq: 18 Apr 2023 15:48

Tgt Ion:152 Resp: 75774
Ion Ratio Lower Upper
152 100
115 54.7 30.1 90.3
150 157.0 0.0 364.8

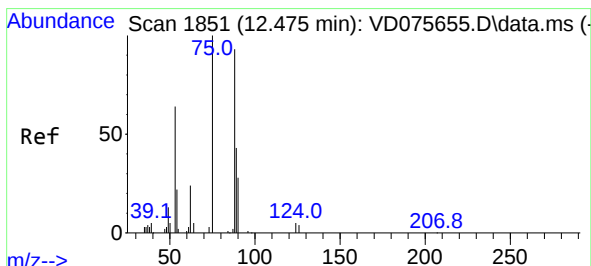
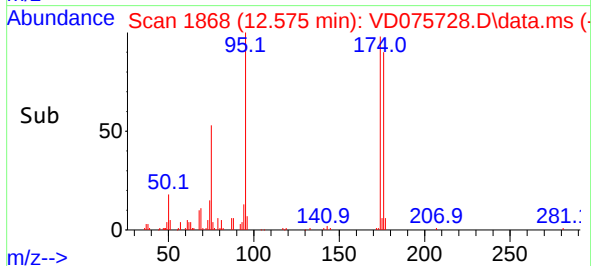
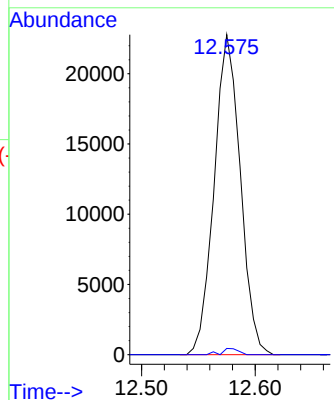
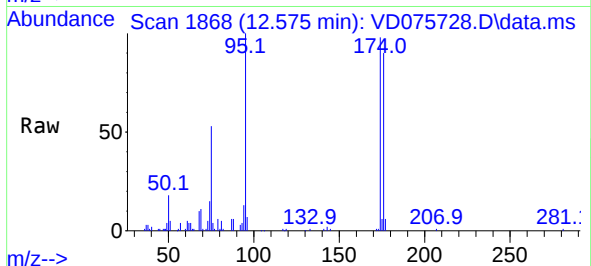




#76
1,2,3-Trichloropropane
Concen: 58.958 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075728.D
Acq: 18 Apr 2023 15:48

Instrument :
MSVOA_D
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Tgt Ion: 75 Resp: 36432
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.786 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD075728.D
Acq: 18 Apr 2023 15:48

Tgt Ion: 75 Resp: 36432
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

