

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041823\
 Data File : VD075734.D
 Acq On : 18 Apr 2023 18:43
 Operator : KP/SY
 Sample : 02270-20
 Misc : 4.55G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-30-0-2-20230412

Quant Time: Apr 19 01:24:52 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)

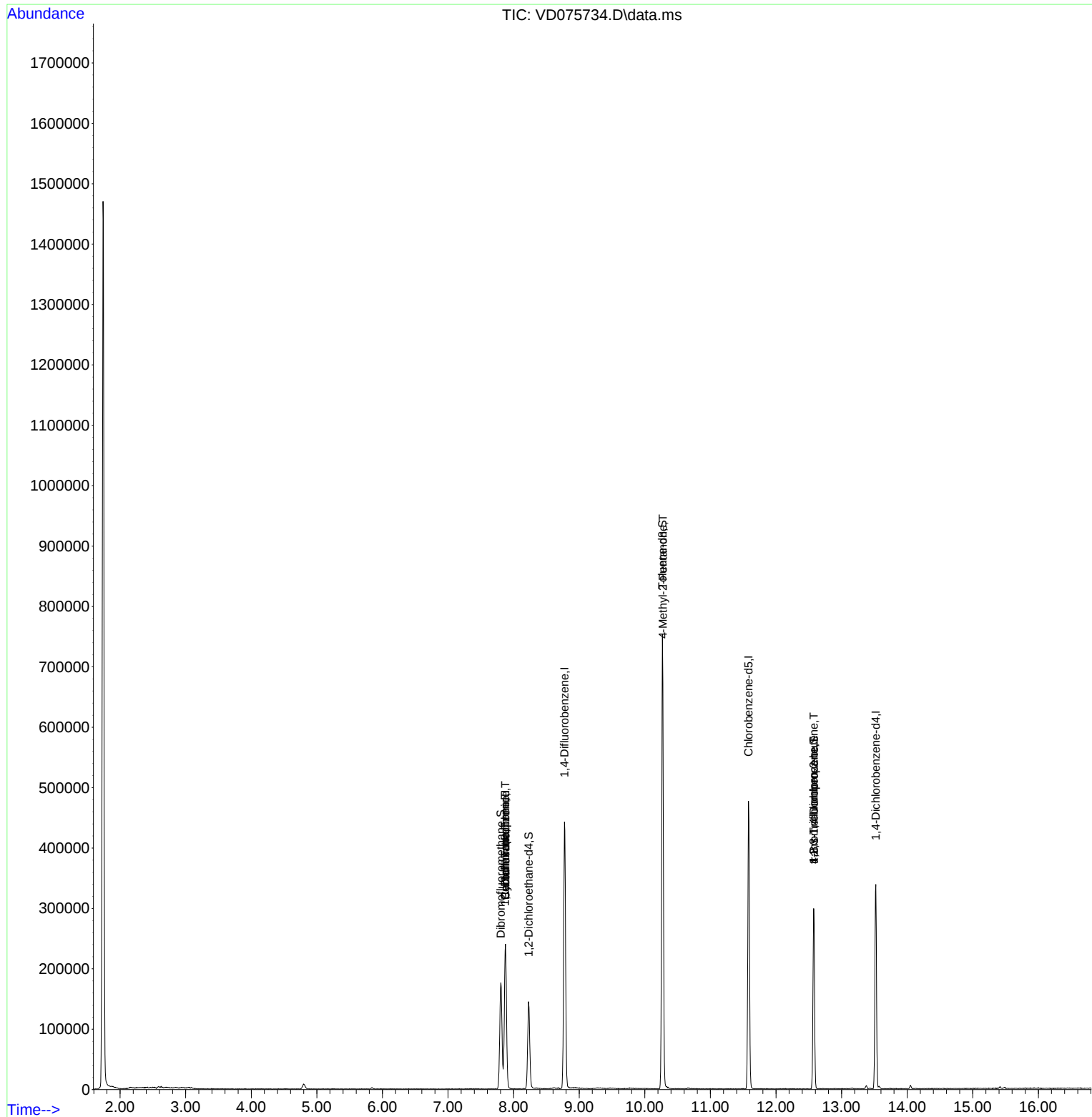
Internal Standards						
1) Pentafluorobenzene	7.875	168	199303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	443956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	305324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	100784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	108994	57.615	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.220%	
35) Dibromofluoromethane	7.805	113	134455	45.028	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.060%	
50) Toluene-d8	10.269	98	555627	46.465	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.940%	
62) 4-Bromofluorobenzene	12.575	95	95901	30.173	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 60.340%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.799	84	7299	Below Cal	#	70
31) Cyclohexane	7.875	56	3432	1.156	ug/l #	1
36) 1,1-Dichloropropene	7.869	75	14648	3.556	ug/l #	50
38) Carbon Tetrachloride	7.875	117	18305	5.046	ug/l #	18
51) 4-Methyl-2-Pentanone	10.275	43	1351	1.108	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	45845	55.780	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	45845	120.899	ug/l #	5

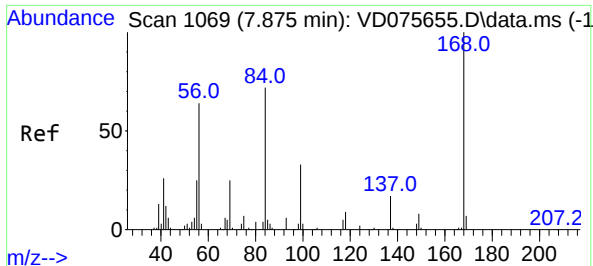
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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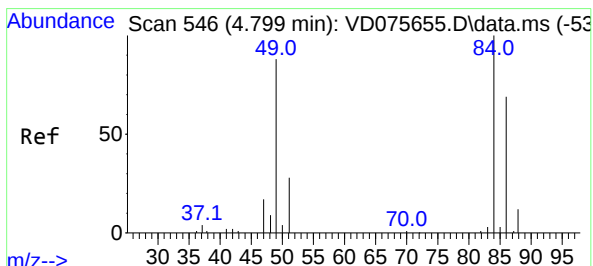
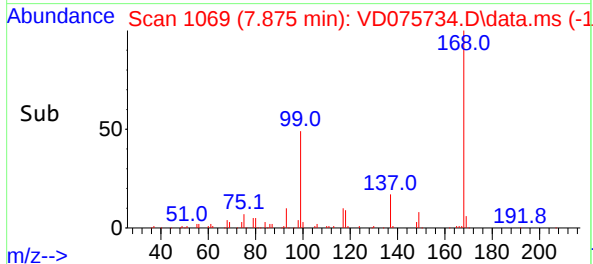
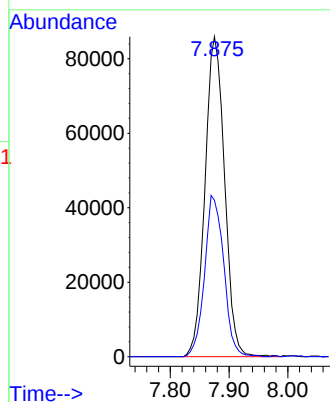
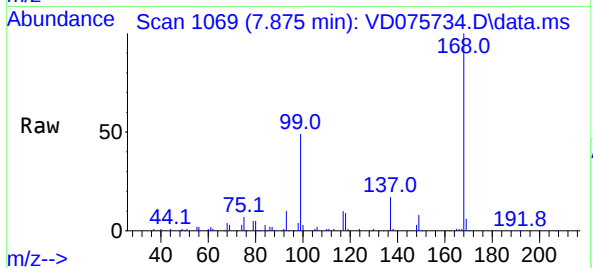




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075734.D
Acq: 18 Apr 2023 18:43

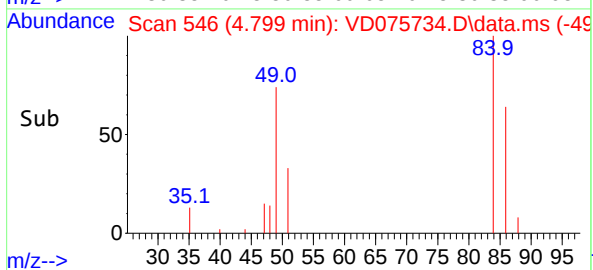
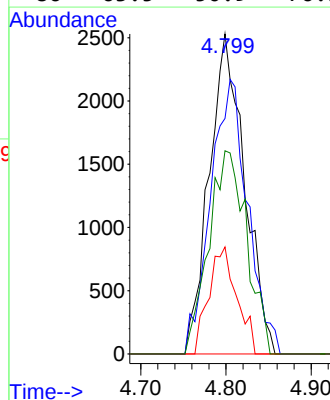
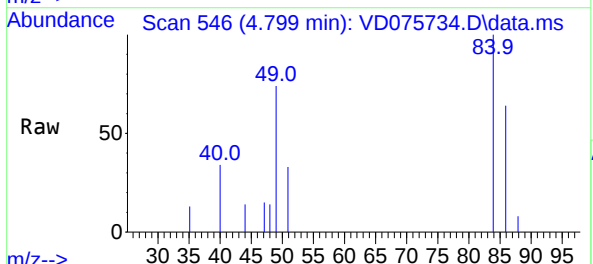
Instrument :
MSVOA_D
ClientSampleId :
SB-30-0-2-20230412

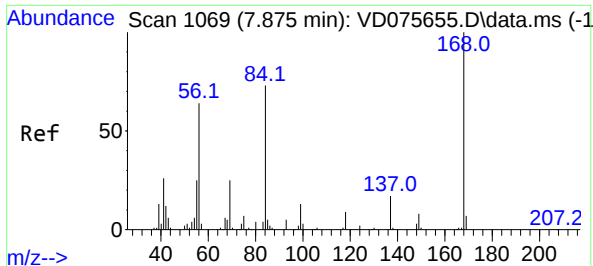
Tgt Ion:168 Resp: 199303
Ion Ratio Lower Upper
168 100
99 48.9 43.8 65.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD075734.D
Acq: 18 Apr 2023 18:43

Tgt Ion: 84 Resp: 7299
Ion Ratio Lower Upper
84 100
49 73.6 106.4 159.6#
51 33.4 32.4 48.6
86 63.5 50.9 76.3

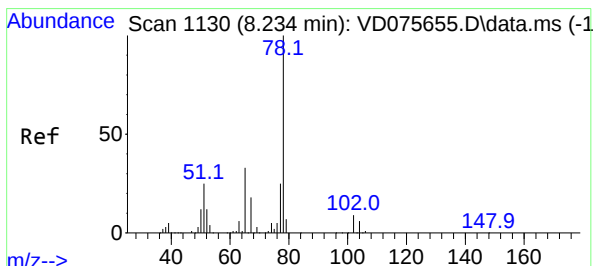
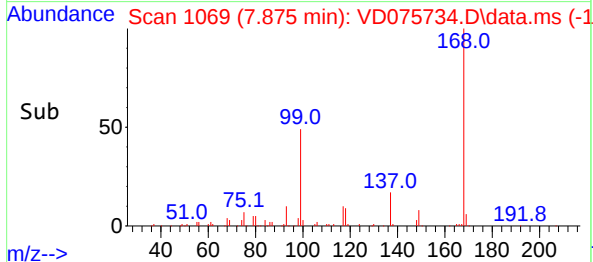
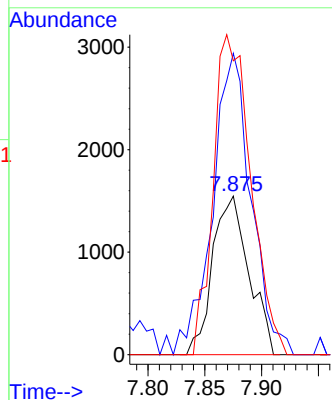
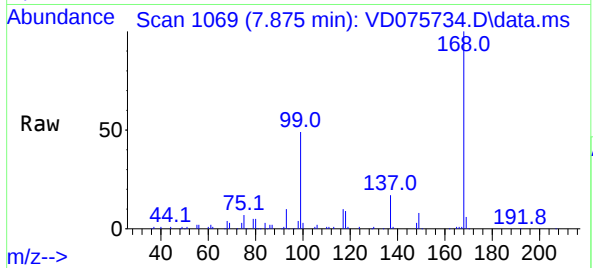




#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.875 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VD075734.D
Acq: 18 Apr 2023 18:43

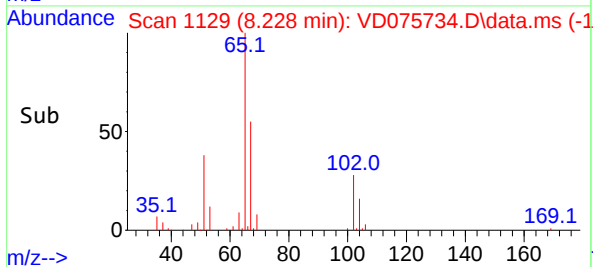
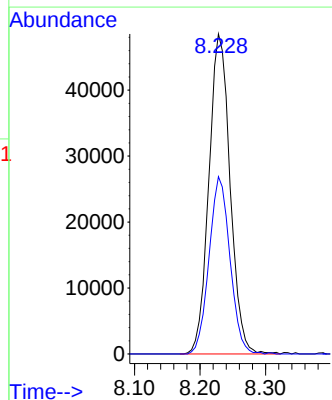
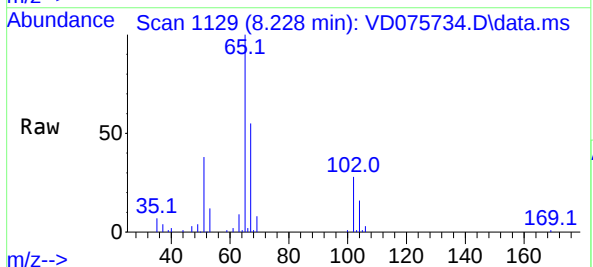
Instrument :
MSVOA_D
ClientSampleId :
SB-30-0-2-20230412

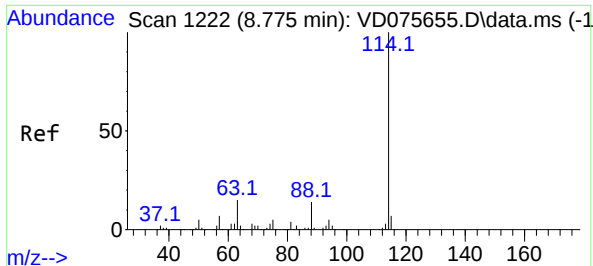
Tgt Ion: 56 Resp: 3432
Ion Ratio Lower Upper
56 100
69 177.1 25.5 38.3#
84 185.4 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 57.615 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD075734.D
Acq: 18 Apr 2023 18:43

Tgt Ion: 65 Resp: 108994
Ion Ratio Lower Upper
65 100
67 54.5 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD075734.D

Acq: 18 Apr 2023 18:43

Instrument :

MSVOA_D

ClientSampleId :

SB-30-0-2-20230412

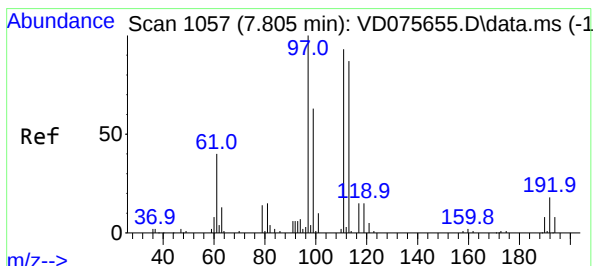
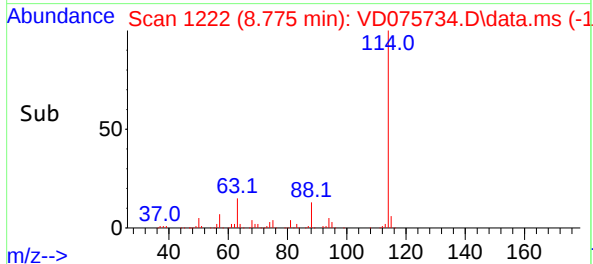
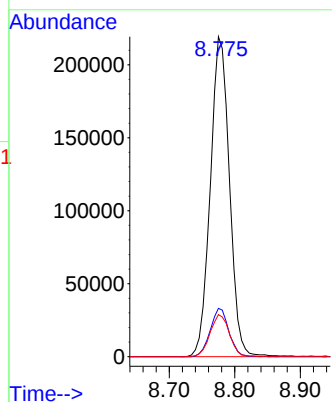
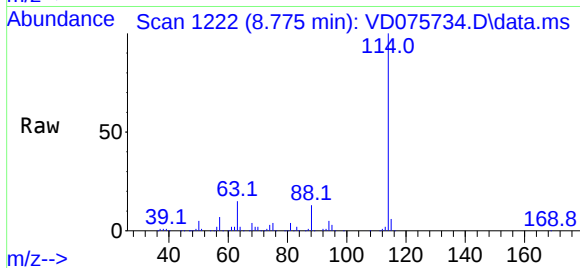
Tgt Ion:114 Resp: 443956

Ion Ratio Lower Upper

114 100

63 15.1 0.0 41.6

88 13.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.028 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075734.D

Acq: 18 Apr 2023 18:43

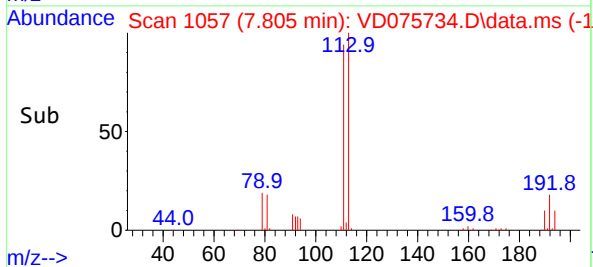
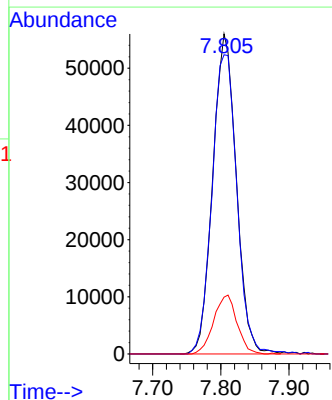
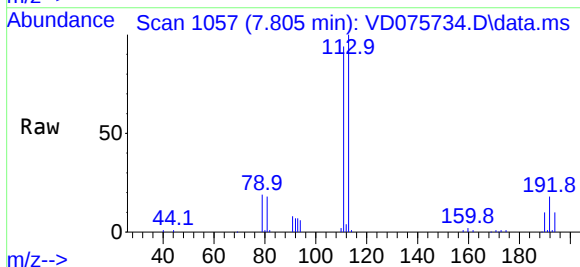
Tgt Ion:113 Resp: 134455

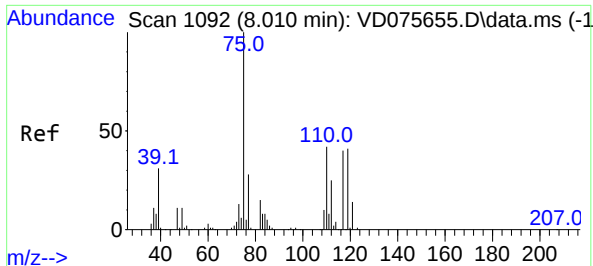
Ion Ratio Lower Upper

113 100

111 99.2 81.4 122.0

192 18.2 15.2 22.8





#36

1,1-Dichloropropene

Concen: 3.556 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD075734.D

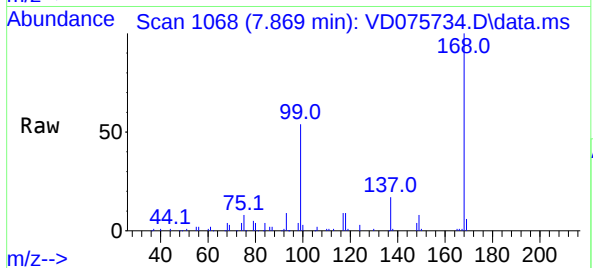
Acq: 18 Apr 2023 18:43

Instrument :

MSVOA_D

ClientSampleId :

SB-30-0-2-20230412



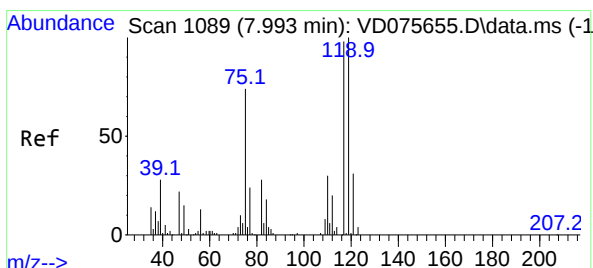
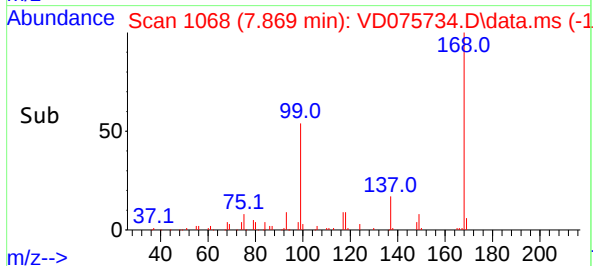
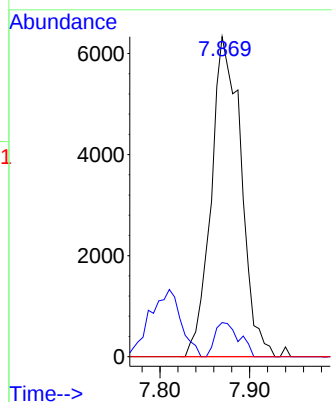
Tgt Ion: 75 Resp: 14648

Ion Ratio Lower Upper

75 100

110 8.6 17.1 51.2#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.046 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075734.D

Acq: 18 Apr 2023 18:43

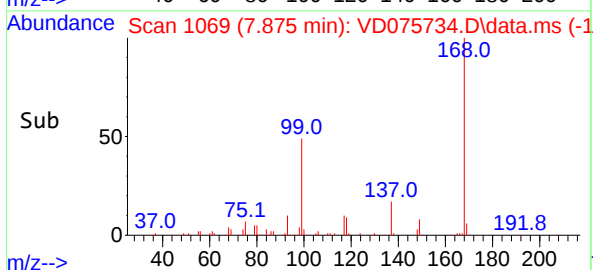
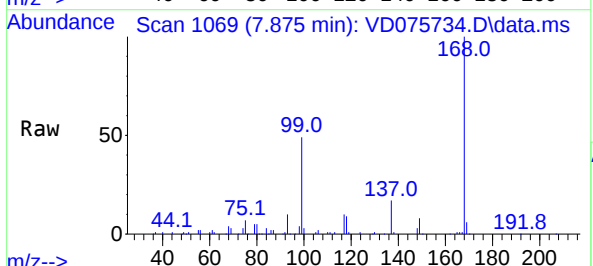
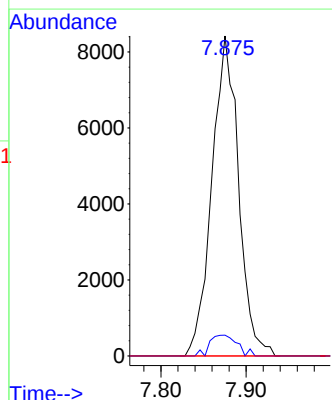
Tgt Ion: 117 Resp: 18305

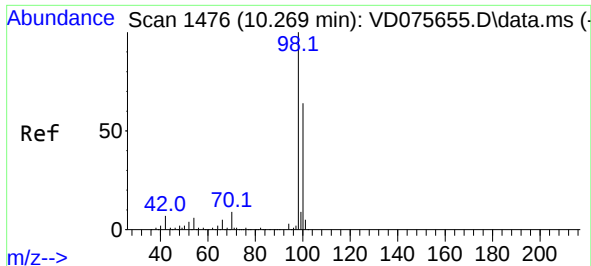
Ion Ratio Lower Upper

117 100

119 6.5 74.7 112.1#

121 0.0 25.9 38.9#

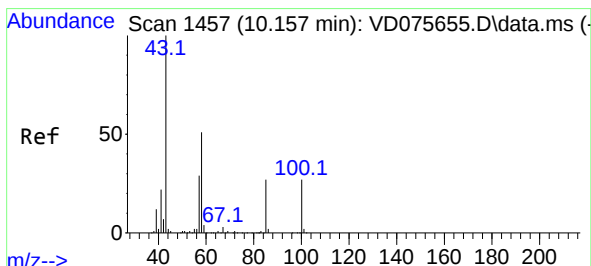
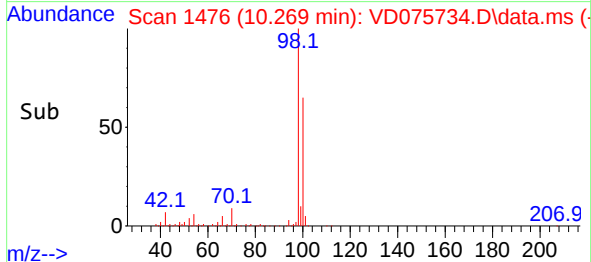
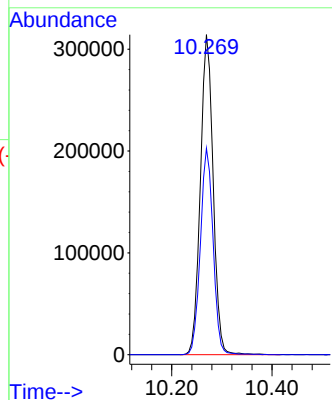
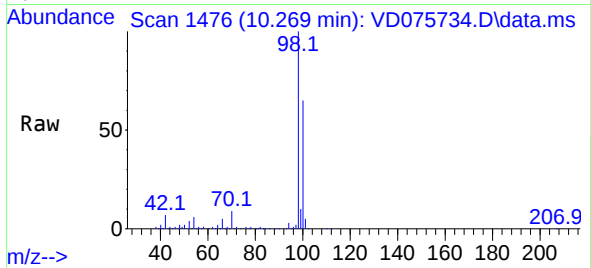




#50
Toluene-d8
Concen: 46.465 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075734.D
Acq: 18 Apr 2023 18:43

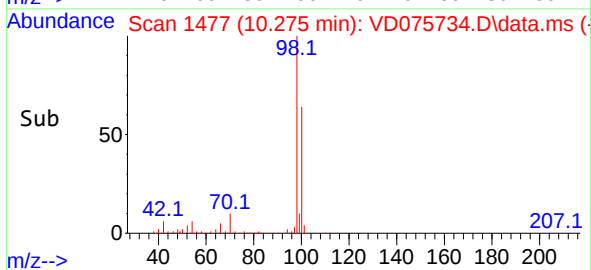
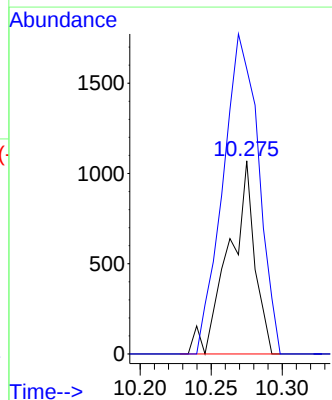
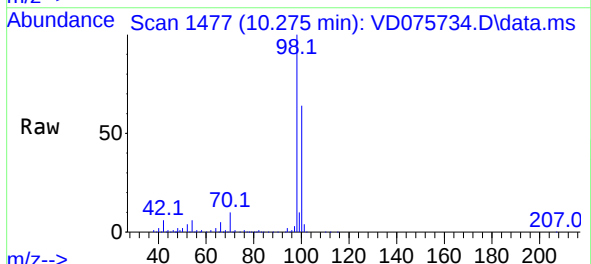
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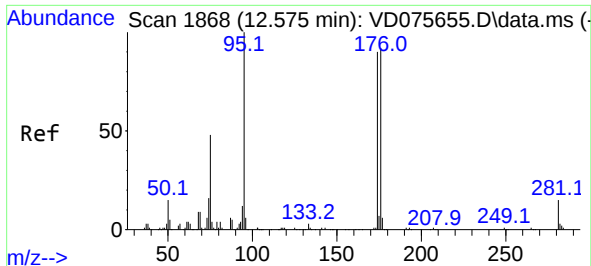
Tgt Ion: 98 Resp: 555627
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.108 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD075734.D
Acq: 18 Apr 2023 18:43

Tgt Ion: 43 Resp: 1351
Ion Ratio Lower Upper
43 100
58 228.8 29.5 44.3#

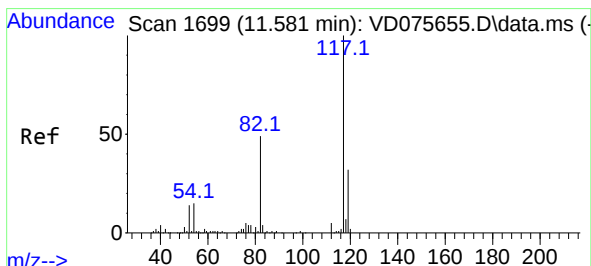
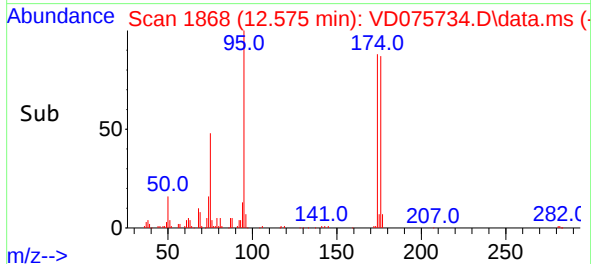
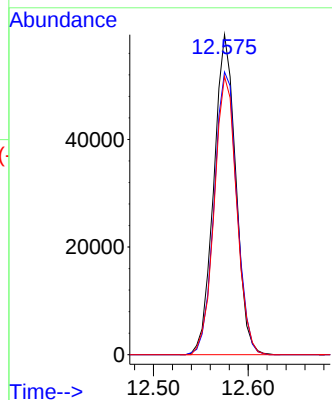
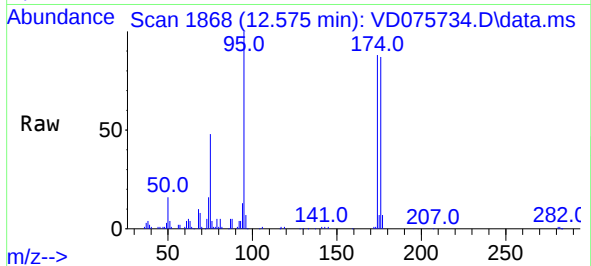




#62
4-Bromofluorobenzene
Concen: 30.173 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075734.D
Acq: 18 Apr 2023 18:43

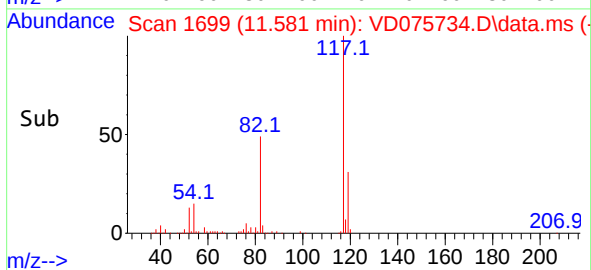
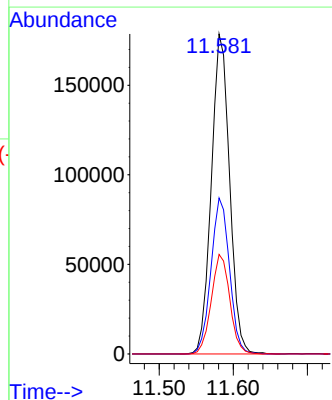
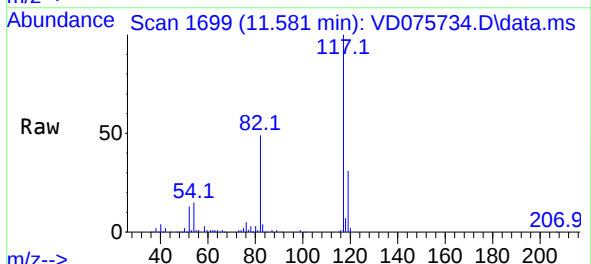
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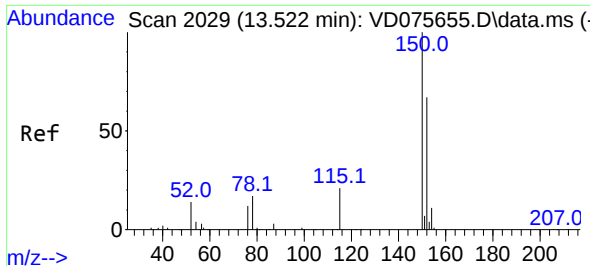
Tgt Ion:	95	Resp:	95901
Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	164.0
176	88.3	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD075734.D
Acq: 18 Apr 2023 18:43

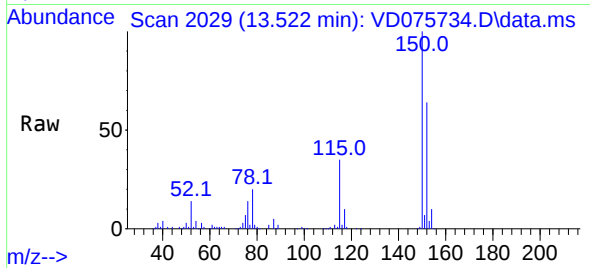
Tgt Ion:	117	Resp:	305324
Ion	Ratio	Lower	Upper
117	100		
82	48.7	44.0	66.0
119	31.1	25.1	37.7



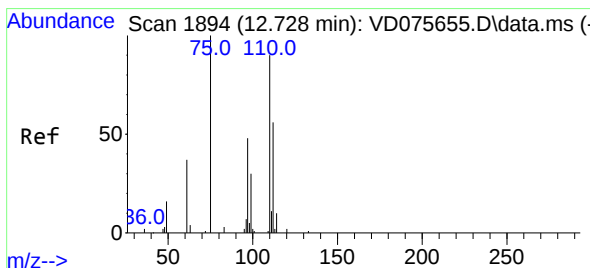
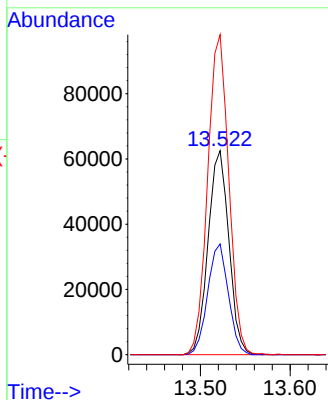
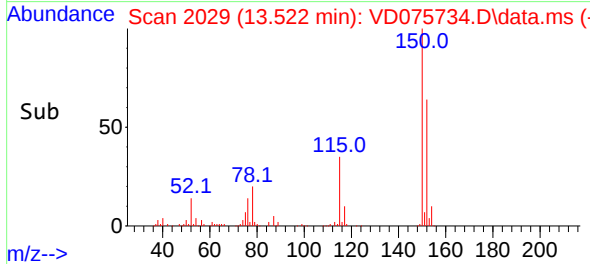


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD075734.D
 Acq: 18 Apr 2023 18:43

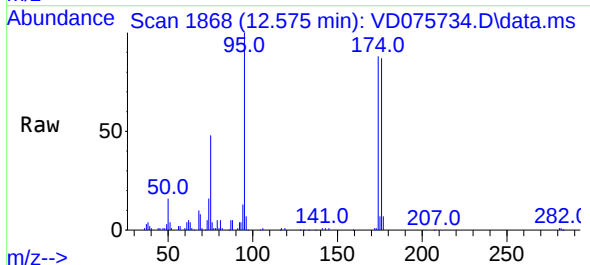
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-30-0-2-20230412



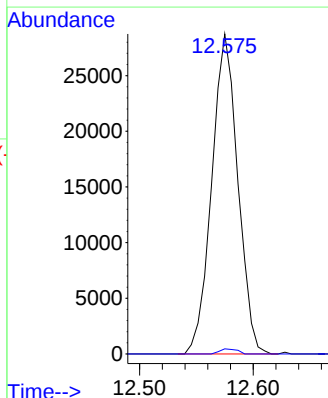
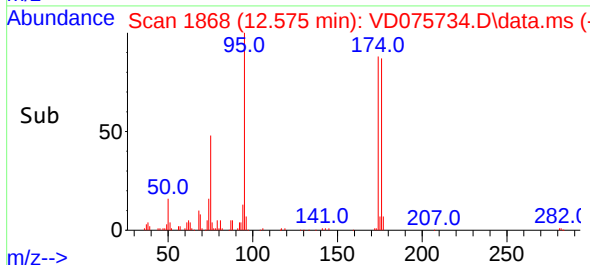
Tgt Ion:152 Resp: 100784
 Ion Ratio Lower Upper
 152 100
 115 53.9 30.1 90.3
 150 158.8 0.0 364.8

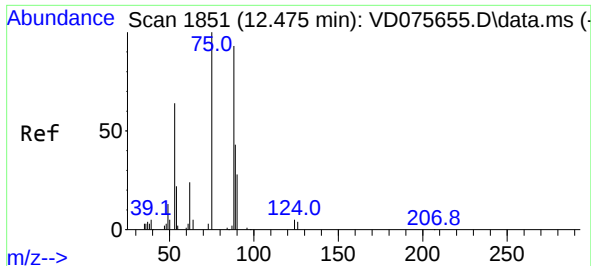


#76
 1,2,3-Trichloropropane
 Concen: 55.780 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD075734.D
 Acq: 18 Apr 2023 18:43



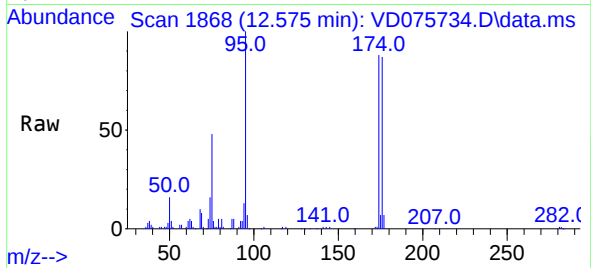
Tgt Ion: 75 Resp: 45845
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.899 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD075734.D
 Acq: 18 Apr 2023 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-30-0-2-20230412



Tgt Ion: 75 Resp: 45845
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.2 40.2 60.4#

