

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041723\
 Data File : VD075705.D
 Acq On : 17 Apr 2023 17:08
 Operator : KP/SY
 Sample : 02270-07
 Misc : 3.61G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-25-0-2-20230411

Quant Time: Apr 18 01:18:48 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)

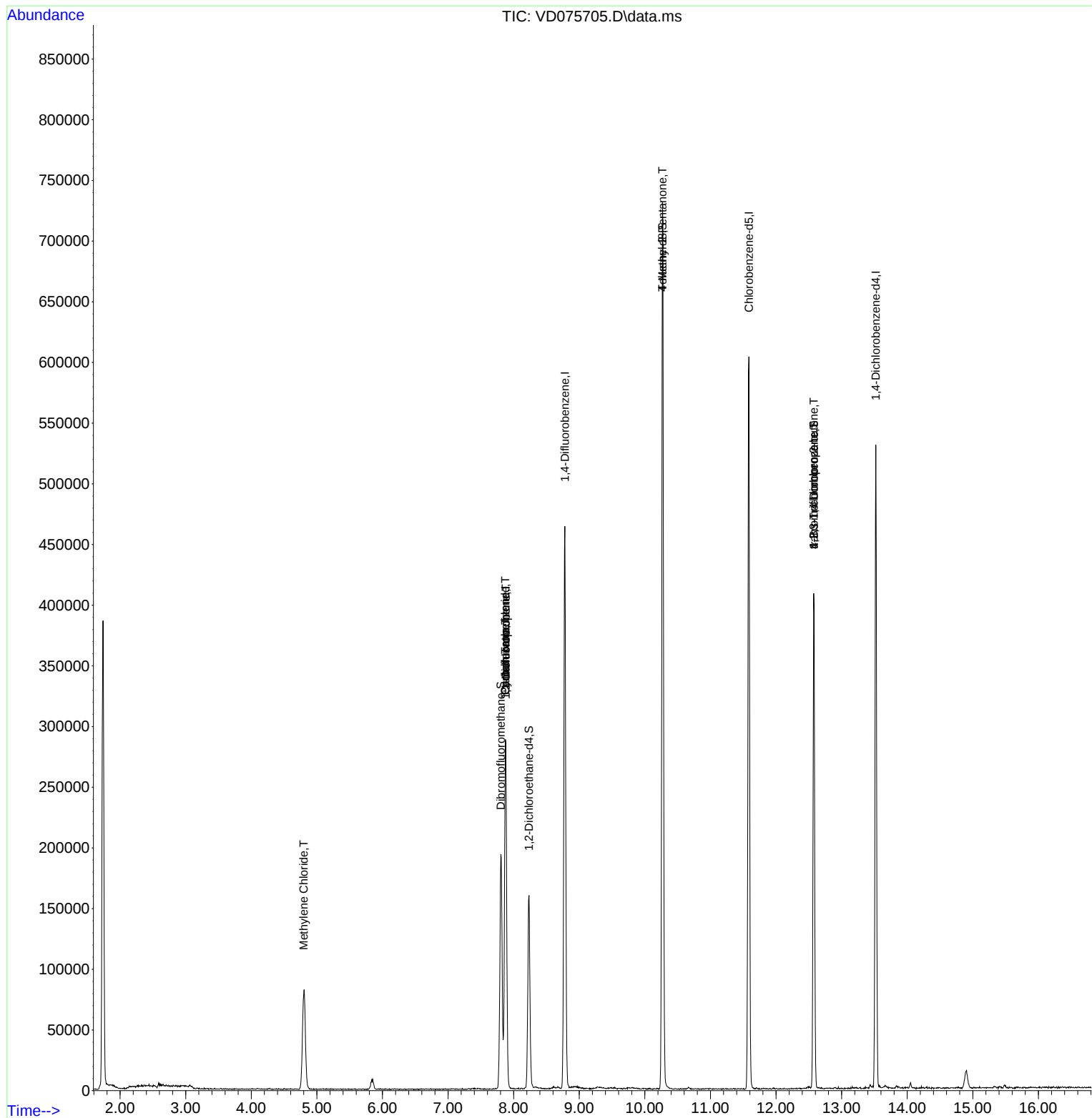
Internal Standards						
1) Pentafluorobenzene	7.875	168	239500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	445524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	384079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	151862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	120640	53.068	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.140%	
35) Dibromofluoromethane	7.805	113	144755	48.307	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.620%	
50) Toluene-d8	10.269	98	545183	45.431	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 90.860%	
62) 4-Bromofluorobenzene	12.575	95	133677	41.910	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.820%	
Target Compounds						Qvalue
20) Methylene Chloride	4.799	84	75193	20.631	ug/l #	71
31) Cyclohexane	7.875	56	4695	1.316	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	16840	4.073	ug/l #	49
38) Carbon Tetrachloride	7.875	117	22125	6.078	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	1674	1.369	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	64327	51.943	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	64327	112.581	ug/l #	5

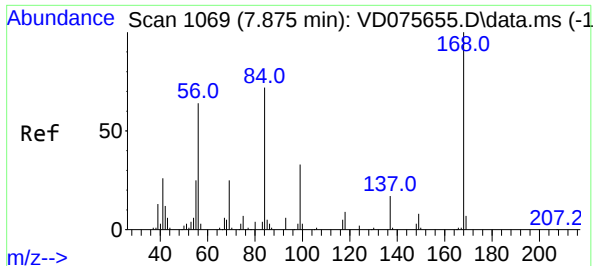
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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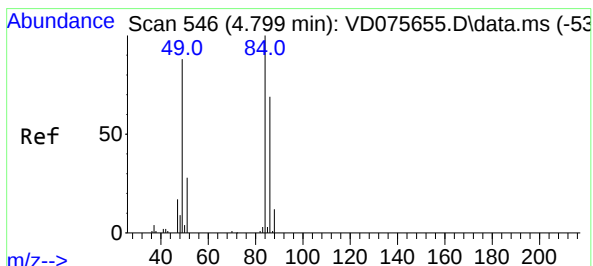
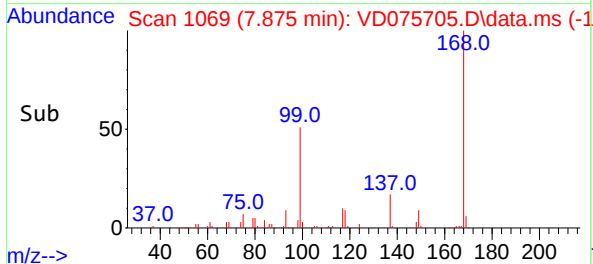
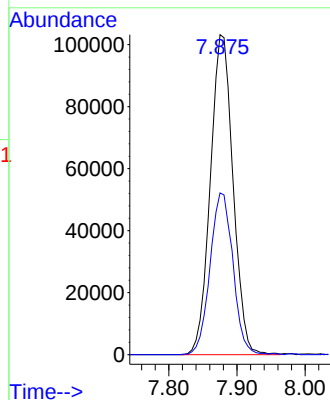
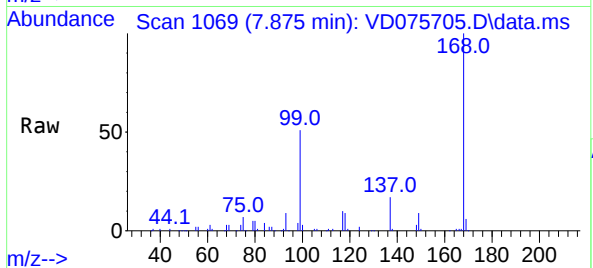




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075705.D
Acq: 17 Apr 2023 17:08

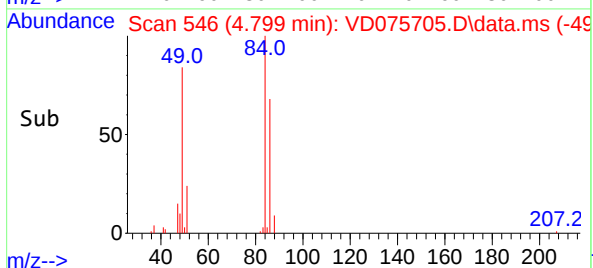
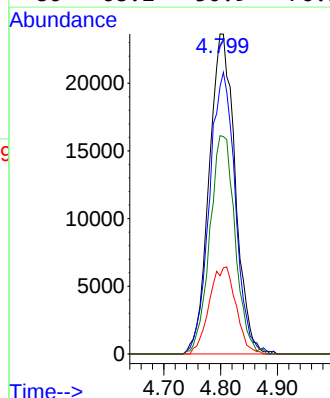
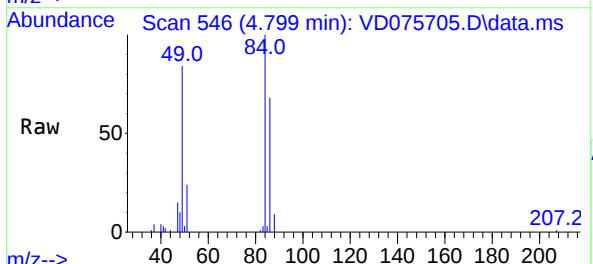
Instrument :
MSVOA_D
ClientSampleId :
SB-25-0-2-20230411

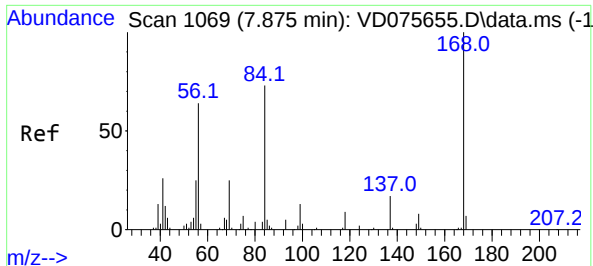
Tgt Ion:168 Resp: 239500
Ion Ratio Lower Upper
168 100
99 50.5 43.8 65.6



#20
Methylene Chloride
Concen: 20.631 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD075705.D
Acq: 17 Apr 2023 17:08

Tgt Ion: 84 Resp: 75193
Ion Ratio Lower Upper
84 100
49 83.6 106.4 159.6#
51 24.5 32.4 48.6#
86 68.2 50.9 76.3

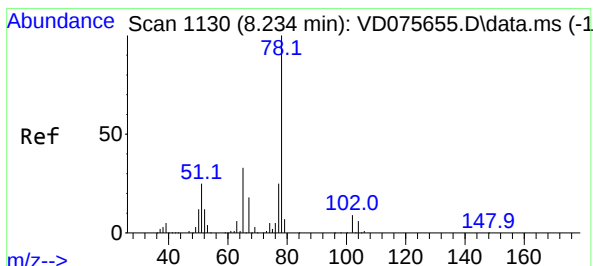
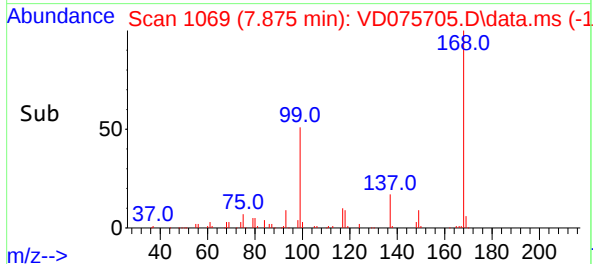
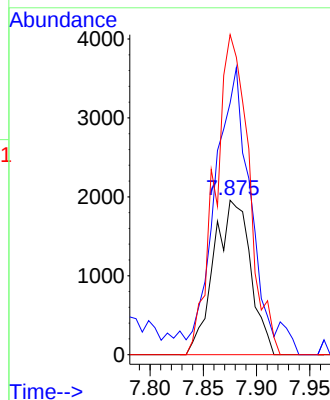
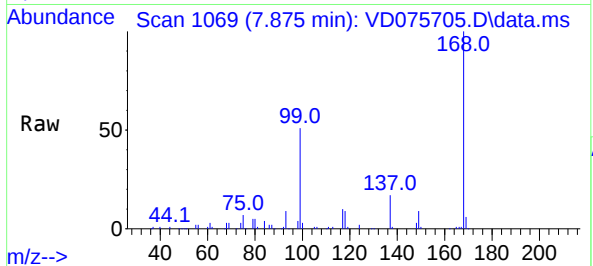




#31
Cyclohexane
Concen: 1.316 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075705.D
Acq: 17 Apr 2023 17:08

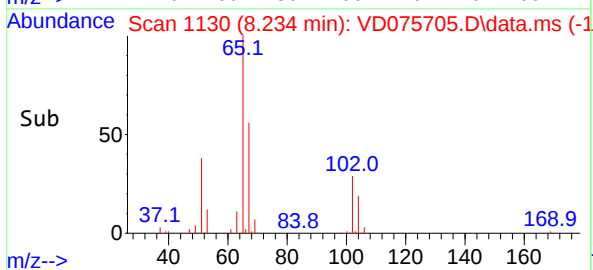
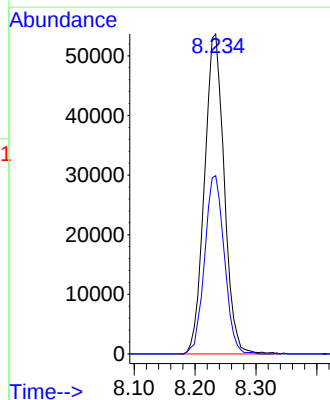
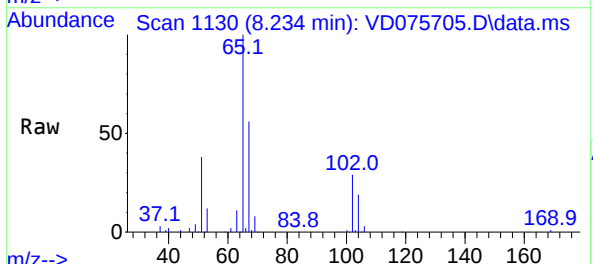
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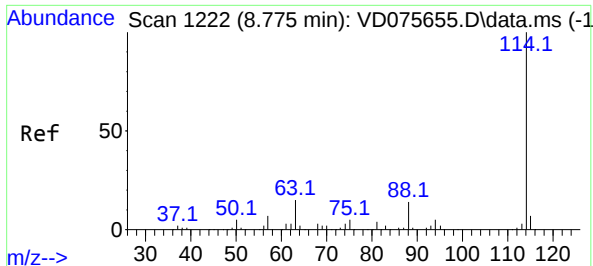
Tgt Ion: 56 Resp: 4695
Ion Ratio Lower Upper
56 100
69 147.8 25.5 38.3#
84 207.3 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 53.068 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075705.D
Acq: 17 Apr 2023 17:08

Tgt Ion: 65 Resp: 120640
Ion Ratio Lower Upper
65 100
67 55.6 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: VD075705.D

Acq: 17 Apr 2023 17:08

Instrument :

MSVOA_D

ClientSampleId :

SB-25-0-2-20230411

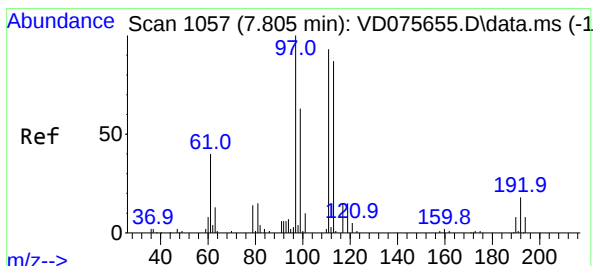
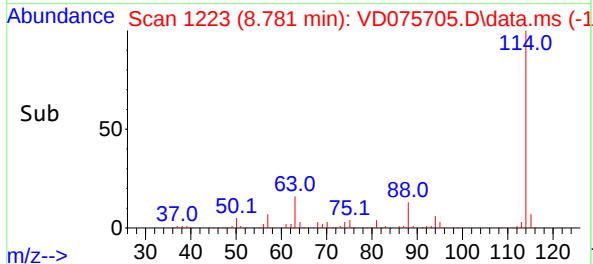
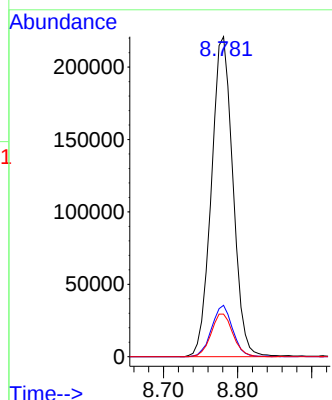
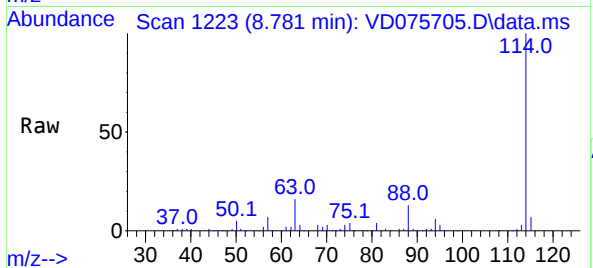
Tgt Ion:114 Resp: 445524

Ion Ratio Lower Upper

114 100

63 16.1 0.0 41.6

88 13.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.307 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075705.D

Acq: 17 Apr 2023 17:08

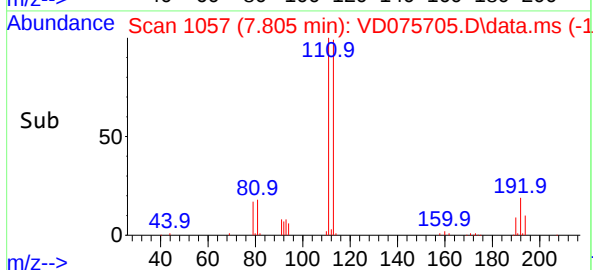
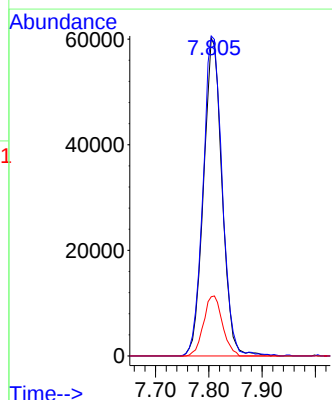
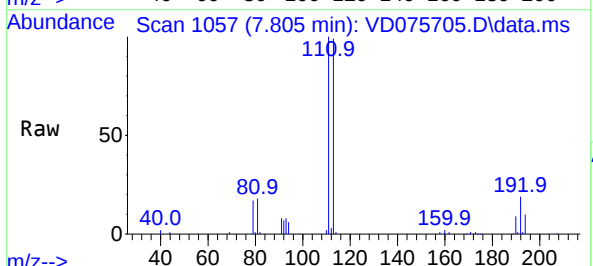
Tgt Ion:113 Resp: 144755

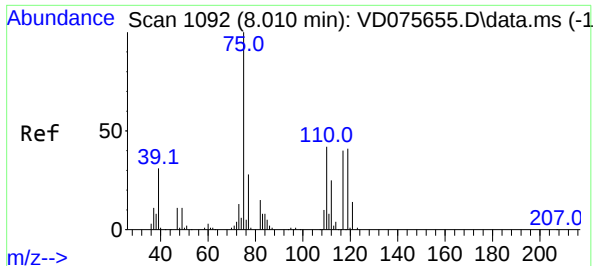
Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.0

192 19.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.073 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD075705.D

Acq: 17 Apr 2023 17:08

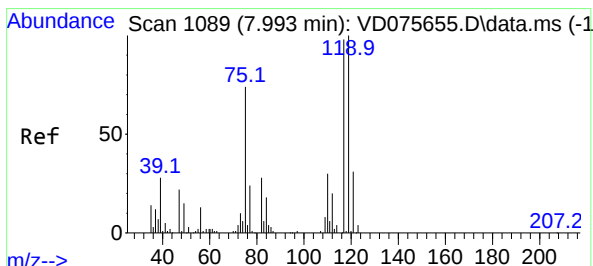
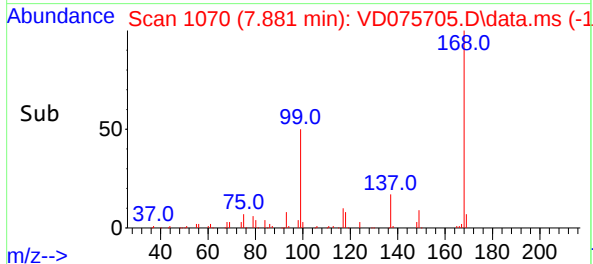
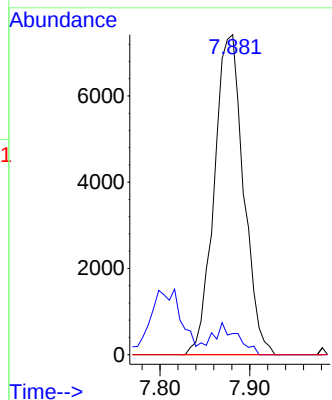
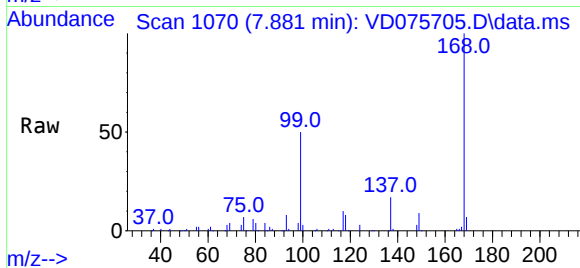
Instrument :

MSVOA_D

ClientSampleId :

SB-25-0-2-20230411

Tgt Ion: 75	Resp: 16840
Ion Ratio	Lower Upper
75	100
110	7.7 17.1 51.2#
77	0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.078 ug/l

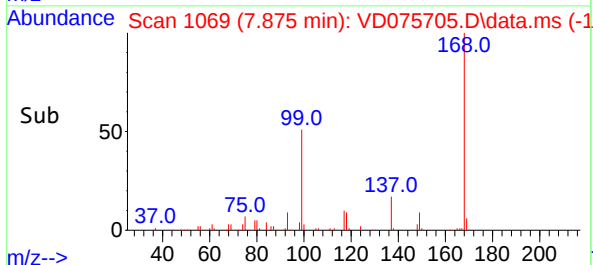
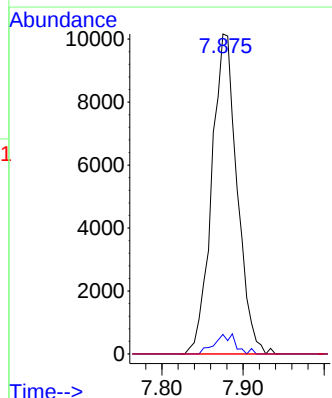
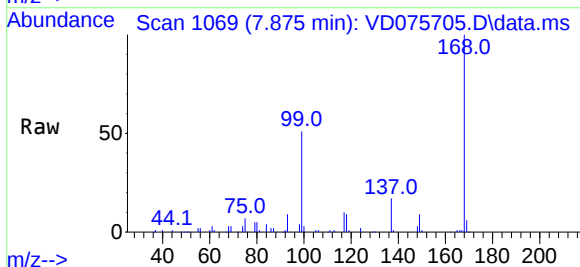
RT: 7.875 min Scan# 1069

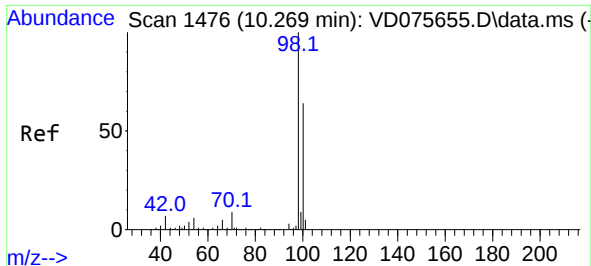
Delta R.T. -0.118 min

Lab File: VD075705.D

Acq: 17 Apr 2023 17:08

Tgt Ion: 117	Resp: 22125
Ion Ratio	Lower Upper
117	100
119	6.1 74.7 112.1#
121	0.0 25.9 38.9#

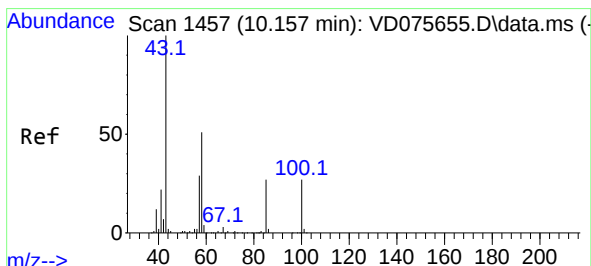
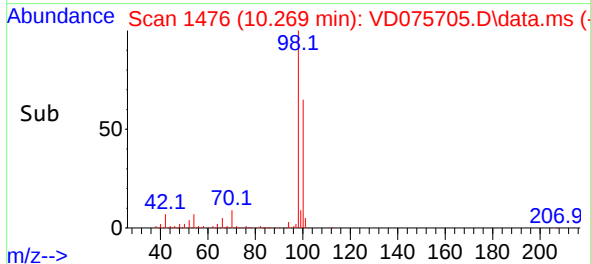
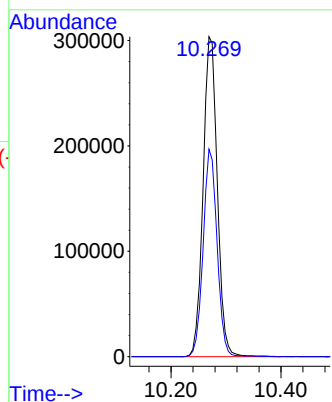
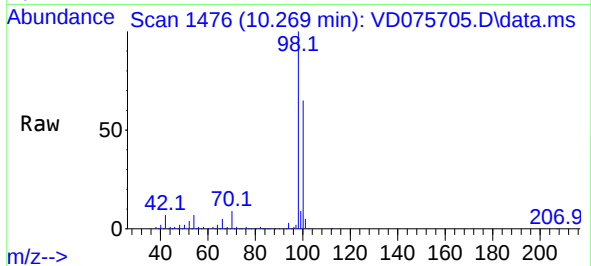




#50
Toluene-d8
Concen: 45.431 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075705.D
Acq: 17 Apr 2023 17:08

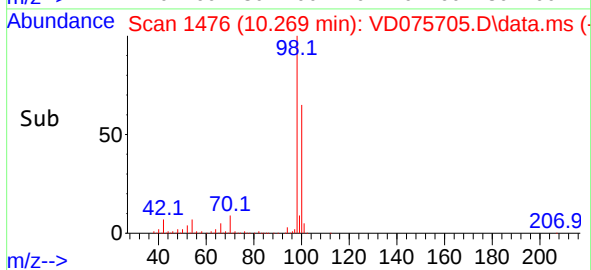
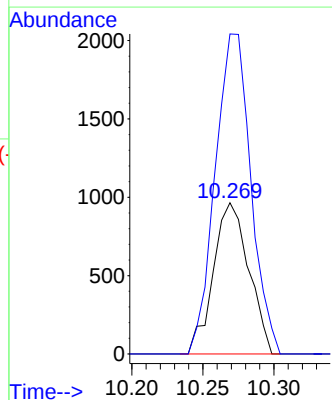
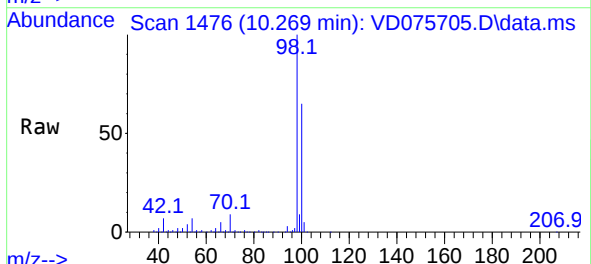
Instrument :
MSVOA_D
ClientSampleId :
SB-25-0-2-20230411

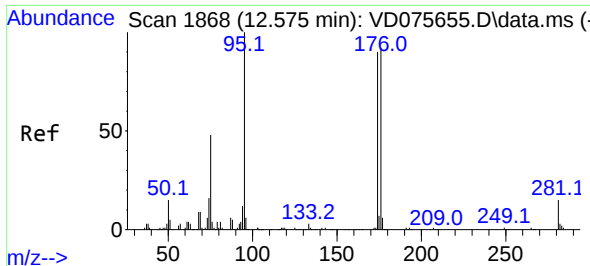
Tgt Ion: 98 Resp: 545183
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.369 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD075705.D
Acq: 17 Apr 2023 17:08

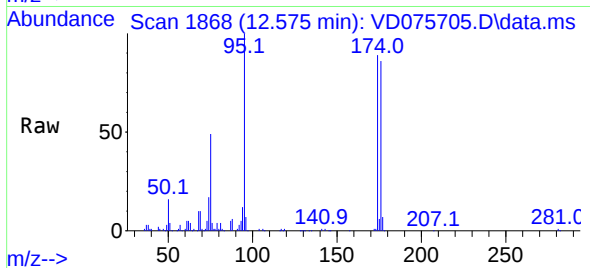
Tgt Ion: 43 Resp: 1674
Ion Ratio Lower Upper
43 100
58 213.1 29.5 44.3#



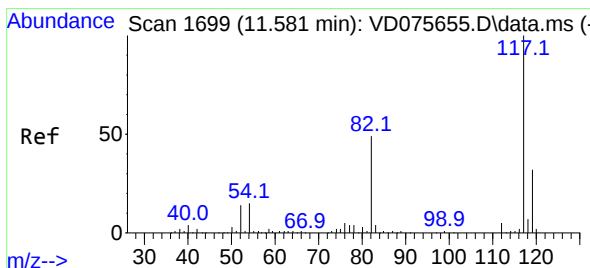
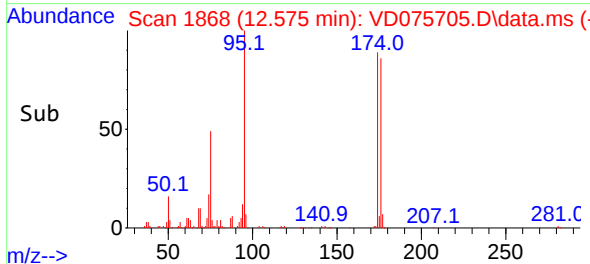
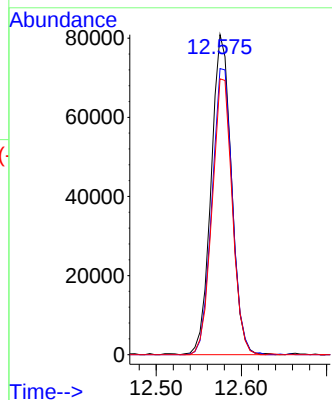


#62
4-Bromofluorobenzene
Concen: 41.910 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075705.D
Acq: 17 Apr 2023 17:08

Instrument :
MSVOA_D
ClientSampleId :
SB-25-0-2-20230411

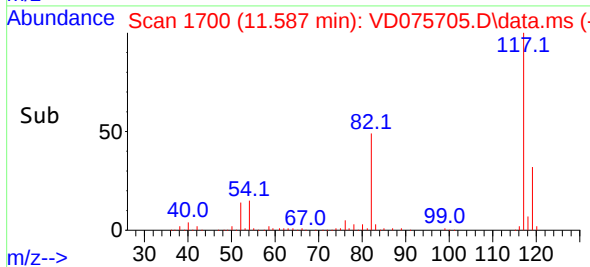
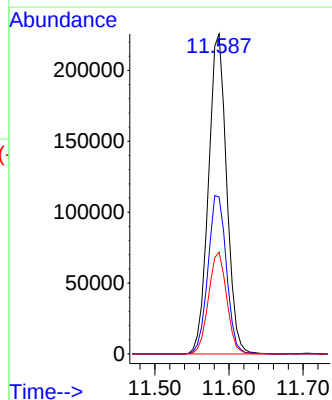
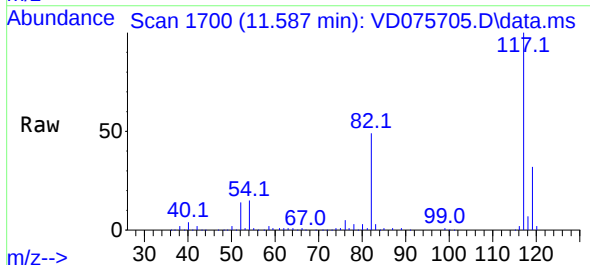


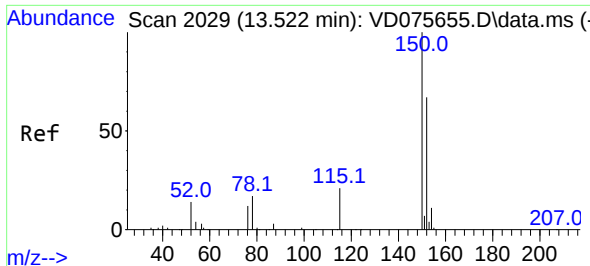
Tgt Ion: 95 Resp: 133677
Ion Ratio Lower Upper
95 100
174 89.9 0.0 164.0
176 85.4 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD075705.D
Acq: 17 Apr 2023 17:08

Tgt Ion: 117 Resp: 384079
Ion Ratio Lower Upper
117 100
82 49.1 44.0 66.0
119 31.8 25.1 37.7

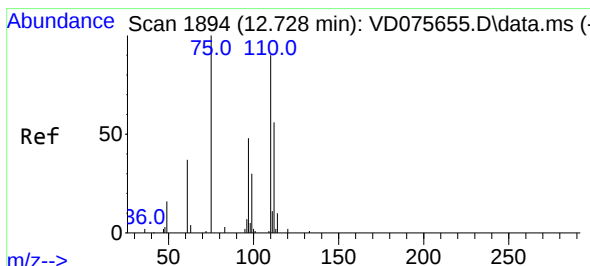
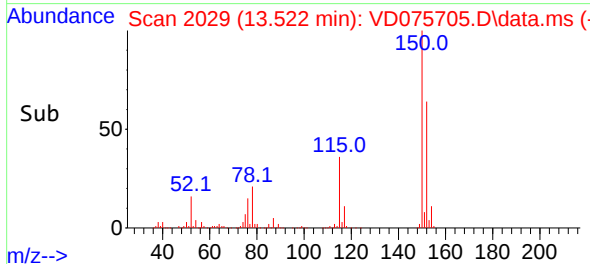
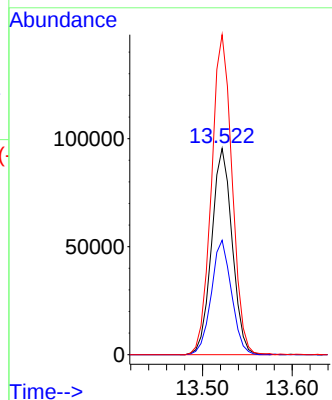
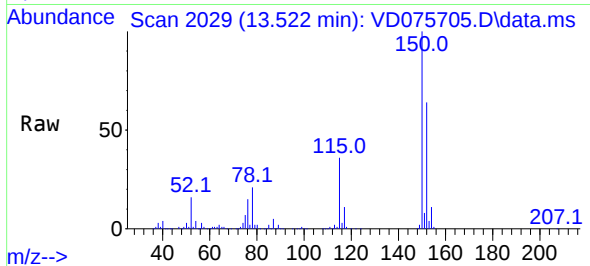




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075705.D
Acq: 17 Apr 2023 17:08

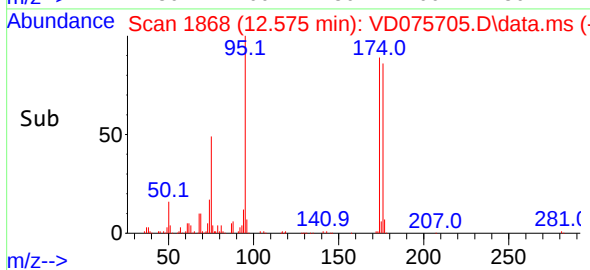
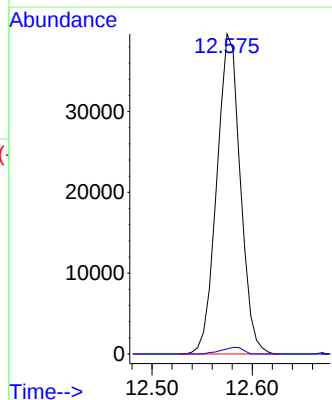
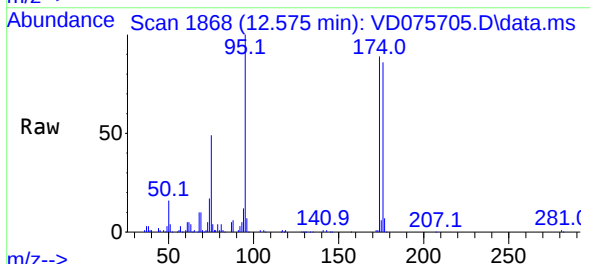
Instrument :
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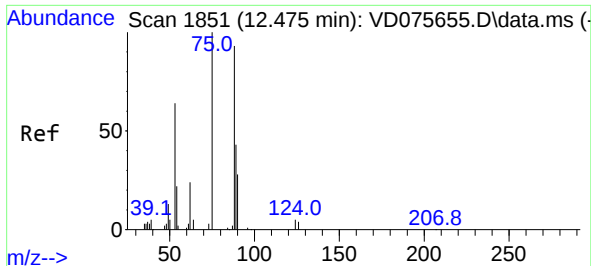
Tgt Ion:152 Resp: 151862
Ion Ratio Lower Upper
152 100
115 54.4 30.1 90.3
150 155.7 0.0 364.8



#76
1,2,3-Trichloropropane
Concen: 51.943 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075705.D
Acq: 17 Apr 2023 17:08

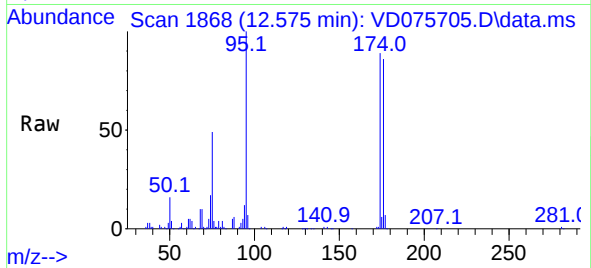
Tgt Ion: 75 Resp: 64327
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 112.581 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD075705.D
Acq: 17 Apr 2023 17:08

Instrument :
MSVOA_D
ClientSampleId :
SB-25-0-2-20230411



Tgt Ion:	75	Resp:	64327
Ion	Ratio	Lower	Upper
75	100		
53	0.0	90.5	135.7#
89	0.1	40.2	60.4#

