

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041723\
 Data File : VD075711.D
 Acq On : 17 Apr 2023 20:04
 Operator : KP/SY
 Sample : 02270-13
 Misc : 3.71G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-24-0-2-20230411

Quant Time: Apr 18 01:19:37 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)

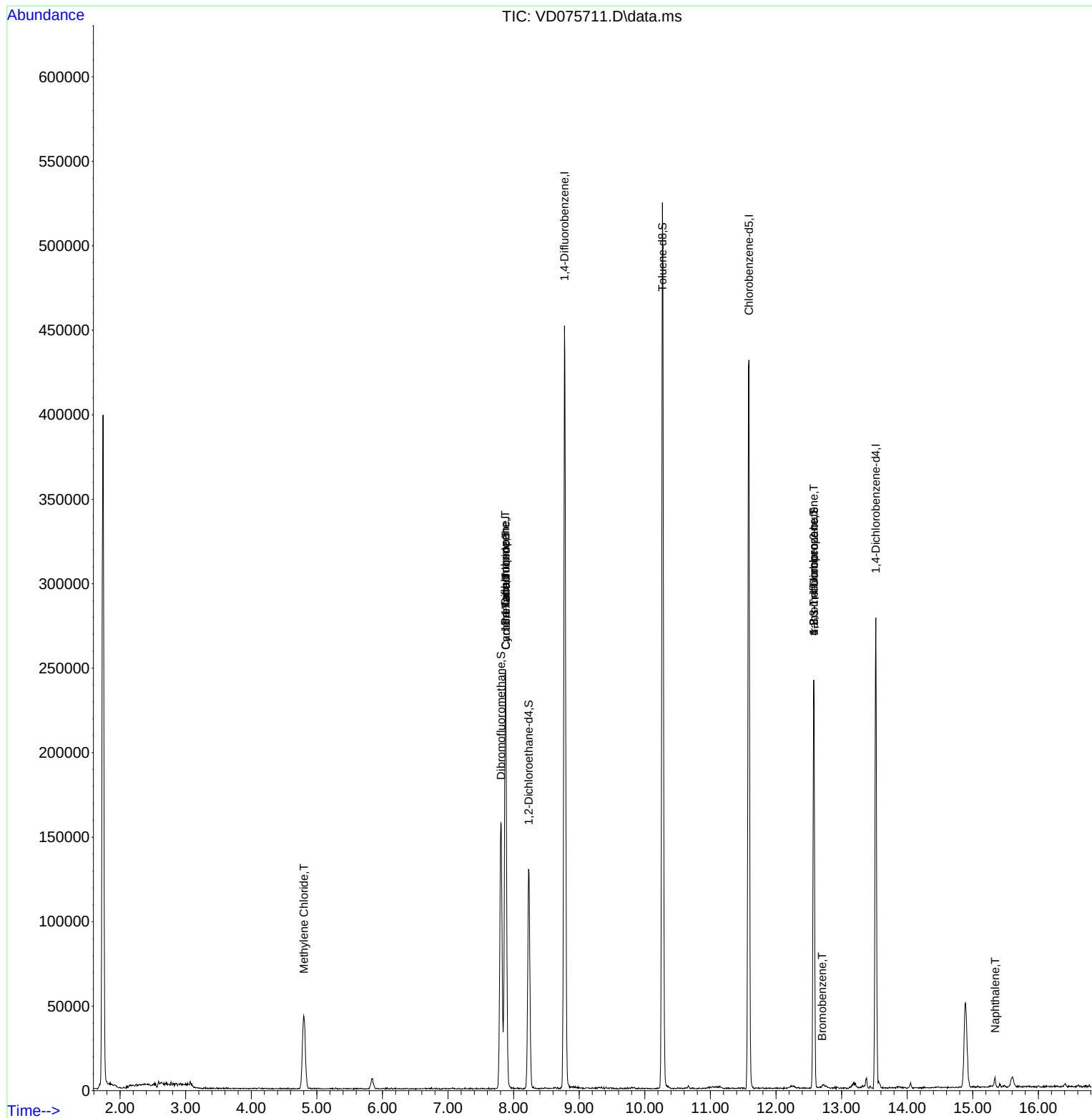
Internal Standards						
1) Pentafluorobenzene	7.875	168	201403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	441976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	278751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	80644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	100506	52.574	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.140%	
35) Dibromofluoromethane	7.811	113	121300	40.804	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 81.600%	
50) Toluene-d8	10.269	98	394165	33.110	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 66.220%	
62) 4-Bromofluorobenzene	12.575	95	78693	24.870	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 49.740%	
Target Compounds						Qvalue
20) Methylene Chloride	4.805	84	40107	11.227	ug/l #	75
31) Cyclohexane	7.881	56	3647	1.216	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	15264	3.722	ug/l #	50
38) Carbon Tetrachloride	7.881	117	18835	5.215	ug/l #	18
76) 1,2,3-Trichloropropane	12.575	75	38021	57.814	ug/l #	100
77) Bromobenzene	12.704	156	1749	1.282	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	38021	125.306	ug/l #	5
95) Naphthalene	15.340	128	6101	2.276	ug/l #	90

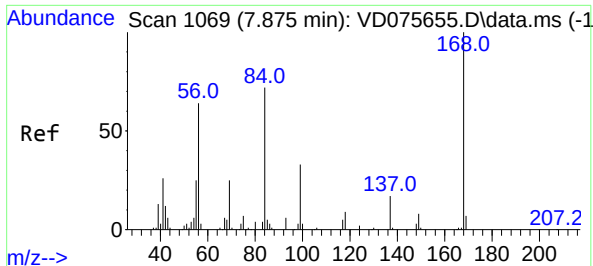
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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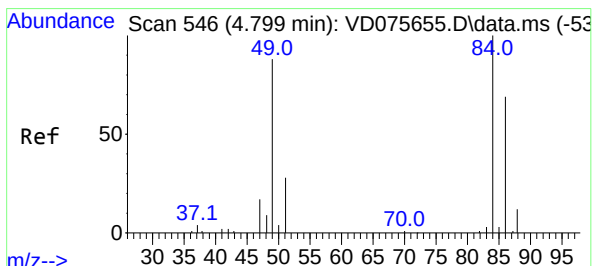
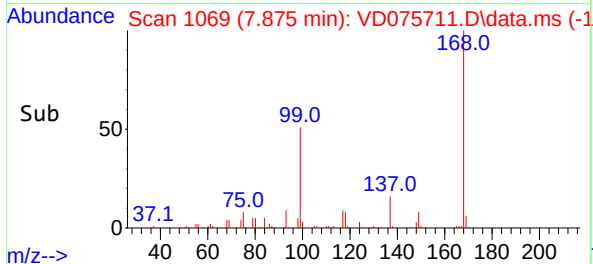
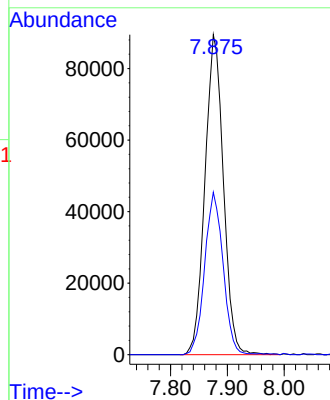
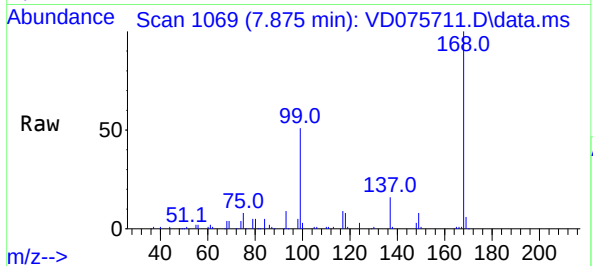




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075711.D
Acq: 17 Apr 2023 20:04

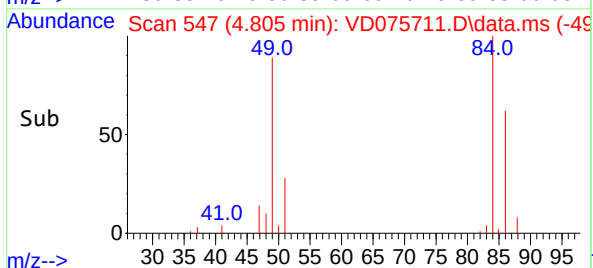
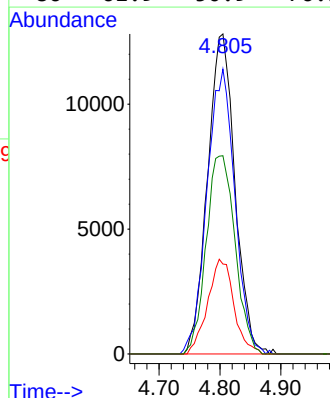
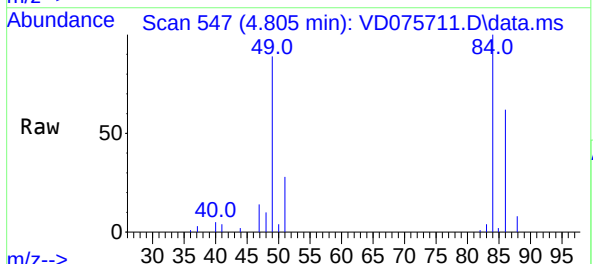
Instrument :
MSVOA_D
ClientSampleId :
SB-24-0-2-20230411

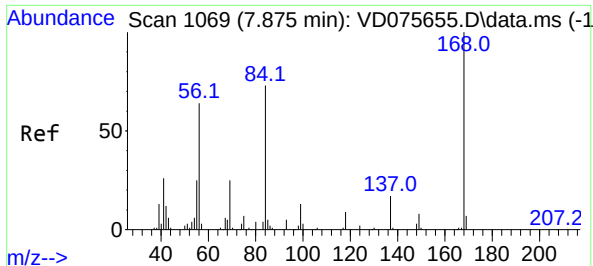
Tgt Ion:168 Resp: 201403
Ion Ratio Lower Upper
168 100
99 50.7 43.8 65.6



#20
Methylene Chloride
Concen: 11.227 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD075711.D
Acq: 17 Apr 2023 20:04

Tgt Ion: 84 Resp: 40107
Ion Ratio Lower Upper
84 100
49 89.0 106.4 159.6#
51 28.1 32.4 48.6#
86 61.9 50.9 76.3

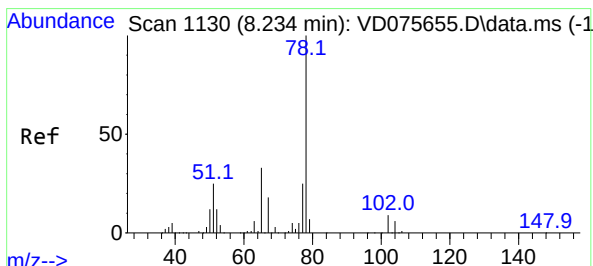
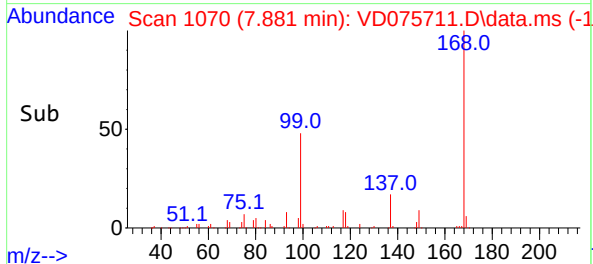
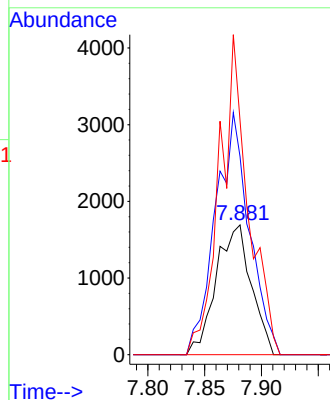
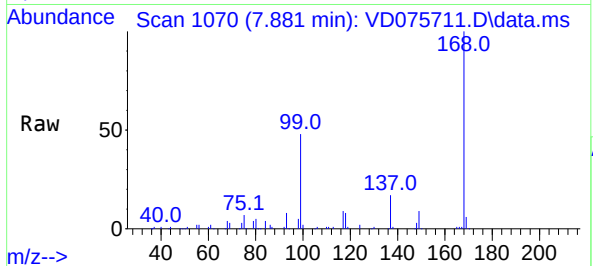




#31
Cyclohexane
Concen: 1.216 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD075711.D
Acq: 17 Apr 2023 20:04

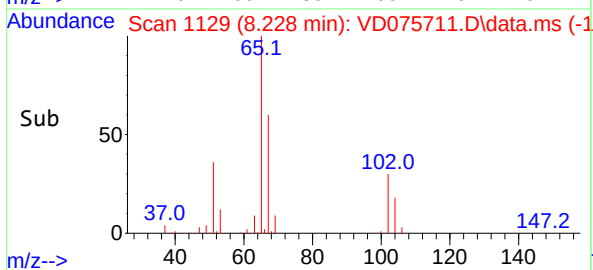
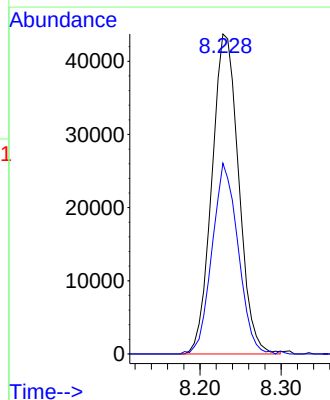
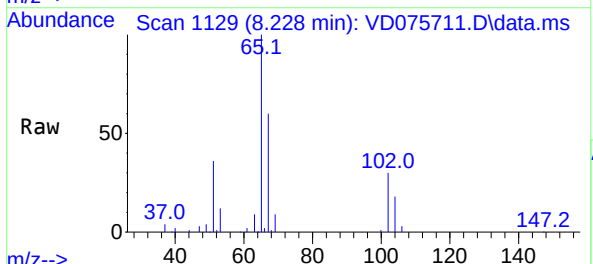
Instrument :
MSVOA_D
ClientSampleId :
SB-24-0-2-20230411

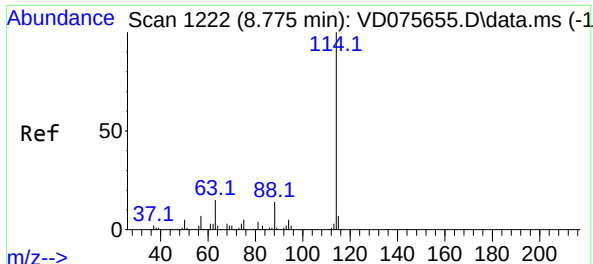
Tgt Ion: 56 Resp: 3647
Ion Ratio Lower Upper
56 100
69 152.6 25.5 38.3#
84 180.3 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 52.574 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD075711.D
Acq: 17 Apr 2023 20:04

Tgt Ion: 65 Resp: 100506
Ion Ratio Lower Upper
65 100
67 57.7 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: VD075711.D

Acq: 17 Apr 2023 20:04

Instrument :

MSVOA_D

ClientSampleId :

SB-24-0-2-20230411

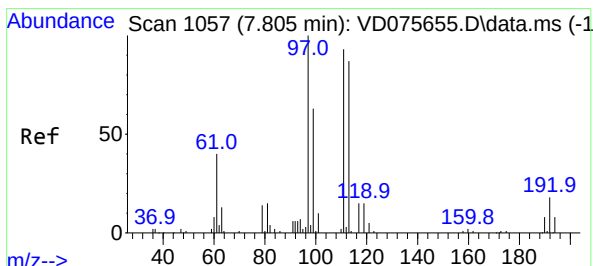
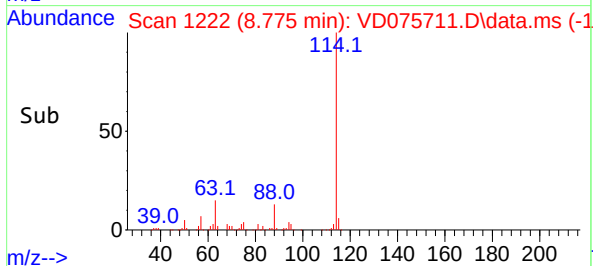
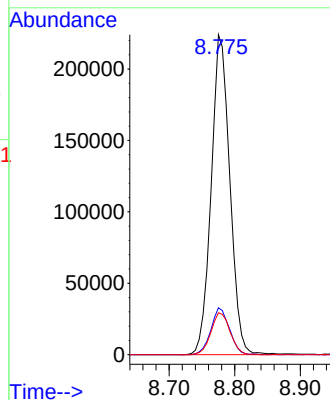
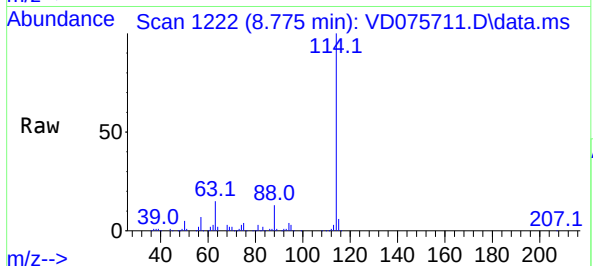
Tgt Ion:114 Resp: 441976

Ion Ratio Lower Upper

114 100

63 14.6 0.0 41.6

88 13.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 40.804 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD075711.D

Acq: 17 Apr 2023 20:04

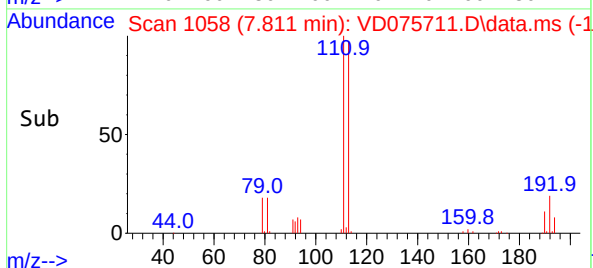
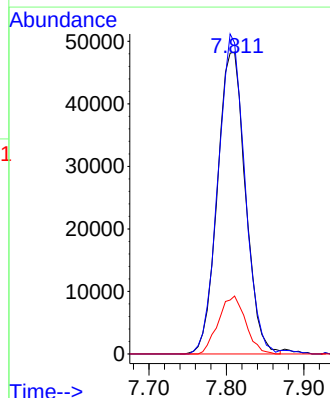
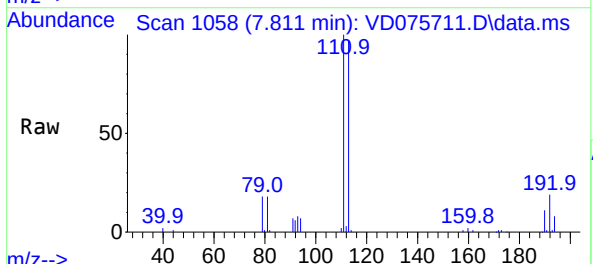
Tgt Ion:113 Resp: 121300

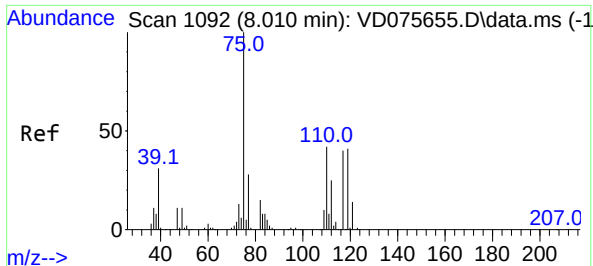
Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

192 18.6 15.2 22.8





#36

1,1-Dichloropropene

Concen: 3.722 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075711.D

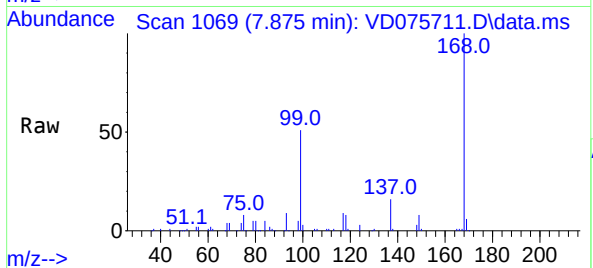
Acq: 17 Apr 2023 20:04

Instrument :

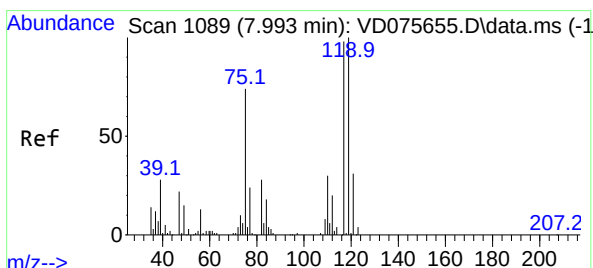
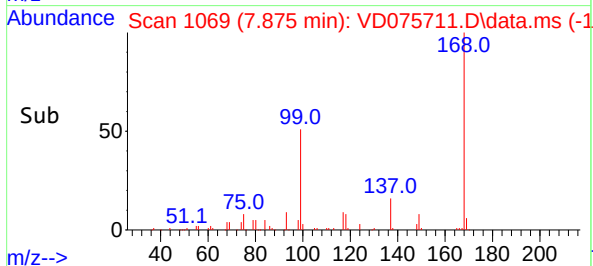
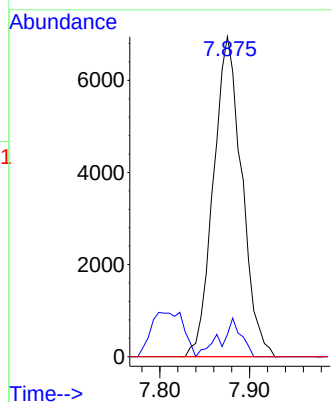
MSVOA_D

ClientSampleId :

SB-24-0-2-20230411



Tgt Ion:	75	Resp:	15264
Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.1	51.2#
77	0.0	24.6	36.8#



#38

Carbon Tetrachloride

Concen: 5.215 ug/l

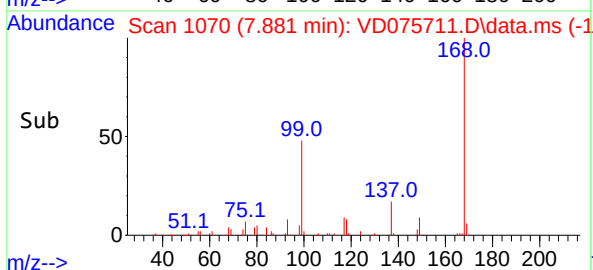
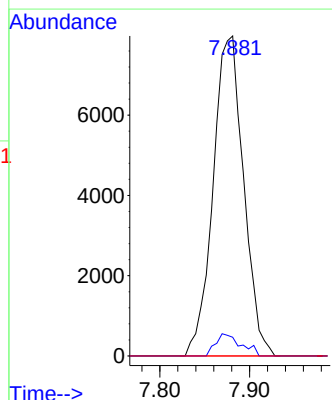
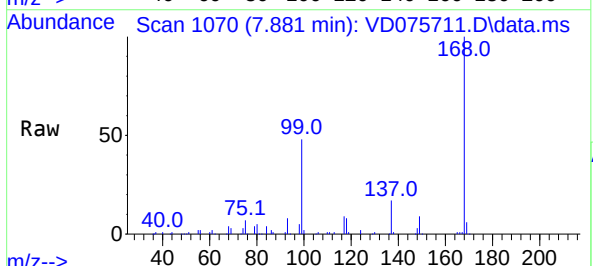
RT: 7.881 min Scan# 1070

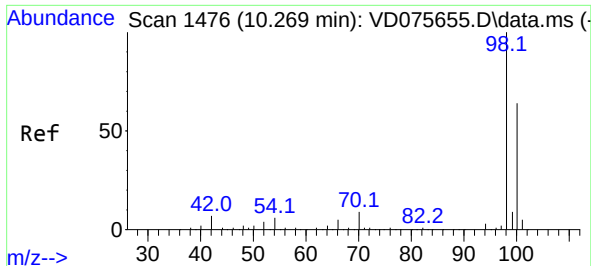
Delta R.T. -0.112 min

Lab File: VD075711.D

Acq: 17 Apr 2023 20:04

Tgt Ion:	117	Resp:	18835
Ion	Ratio	Lower	Upper
117	100		
119	5.8	74.7	112.1#
121	0.0	25.9	38.9#

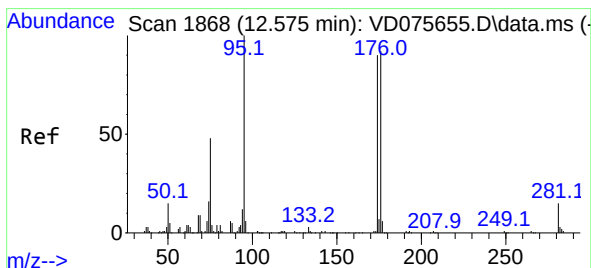
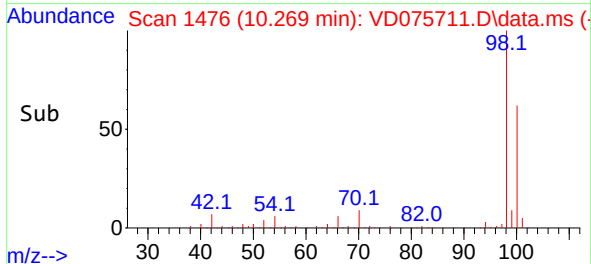
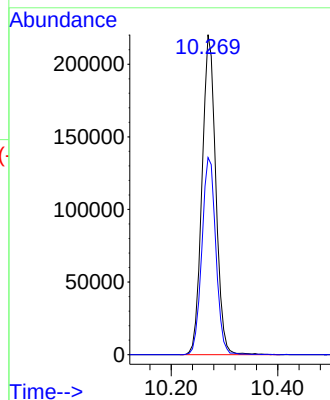
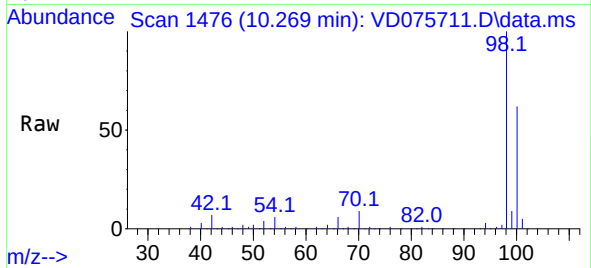




#50
Toluene-d8
Concen: 33.110 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075711.D
Acq: 17 Apr 2023 20:04

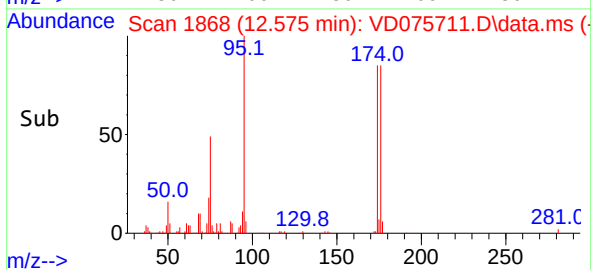
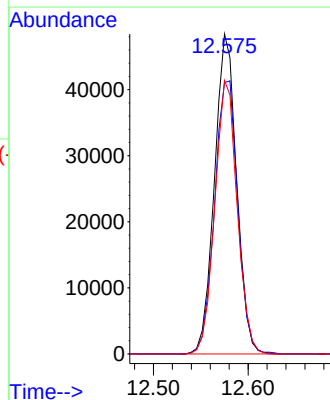
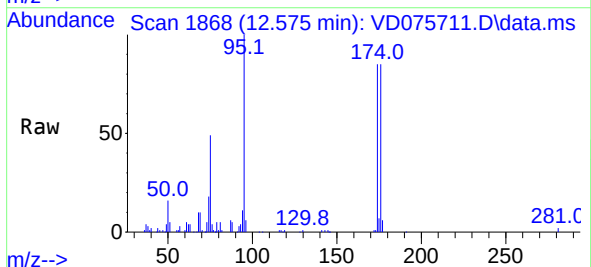
Instrument :
MSVOA_D
ClientSampleId :
SB-24-0-2-20230411

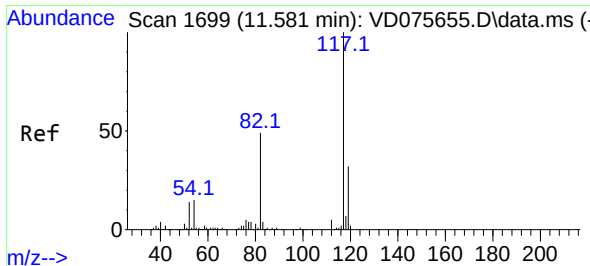
Tgt Ion: 98 Resp: 394165
Ion Ratio Lower Upper
98 100
100 62.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 24.870 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075711.D
Acq: 17 Apr 2023 20:04

Tgt Ion: 95 Resp: 78693
Ion Ratio Lower Upper
95 100
174 89.7 0.0 164.0
176 86.0 0.0 156.8

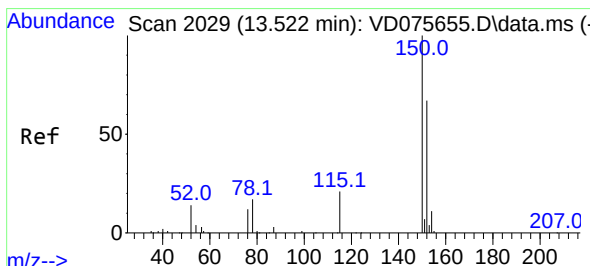
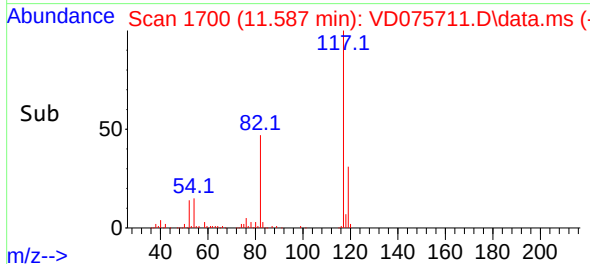
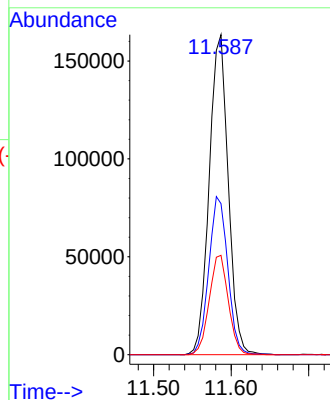
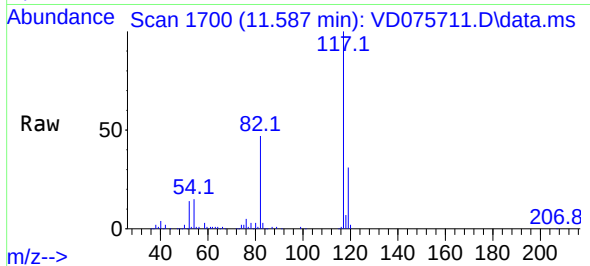




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 117
Delta R.T. 0.006 min
Lab File: VD075711.D
Acq: 17 Apr 2023 20:04

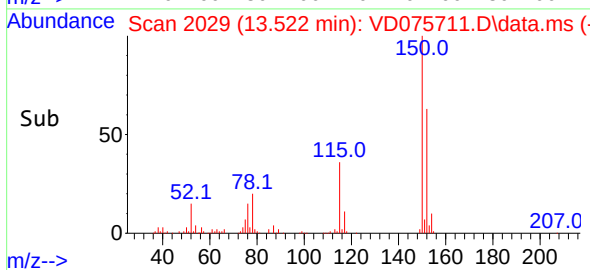
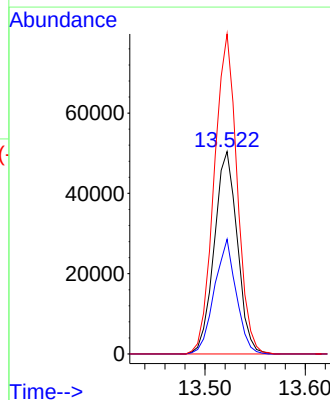
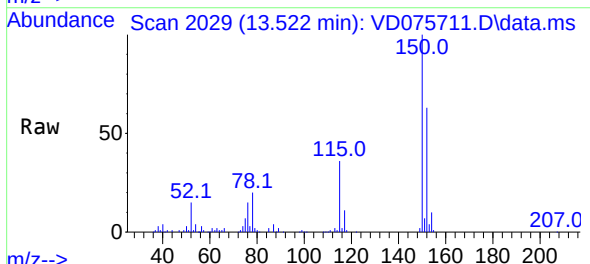
Instrument :
MSVOA_D
ClientSampleId :
SB-24-0-2-20230411

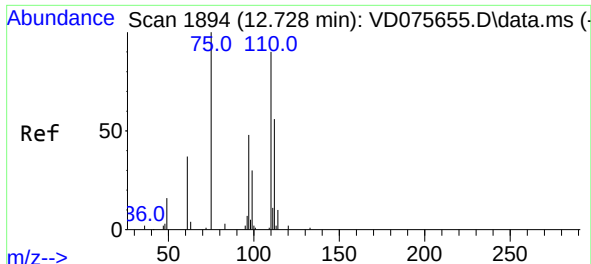
Tgt Ion:117 Resp: 278751
Ion Ratio Lower Upper
117 100
82 47.2 44.0 66.0
119 31.1 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075711.D
Acq: 17 Apr 2023 20:04

Tgt Ion:152 Resp: 80644
Ion Ratio Lower Upper
152 100
115 53.8 30.1 90.3
150 156.7 0.0 364.8

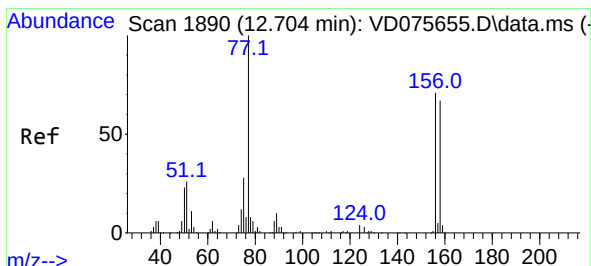
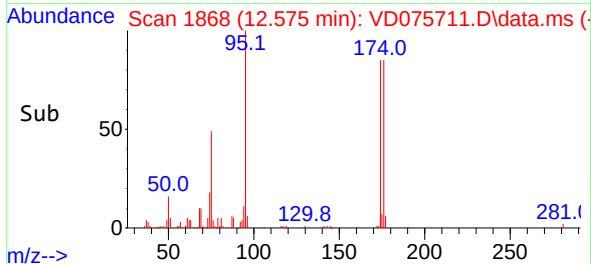
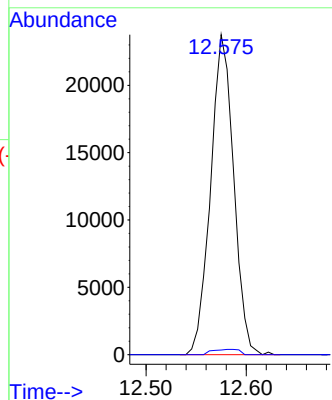
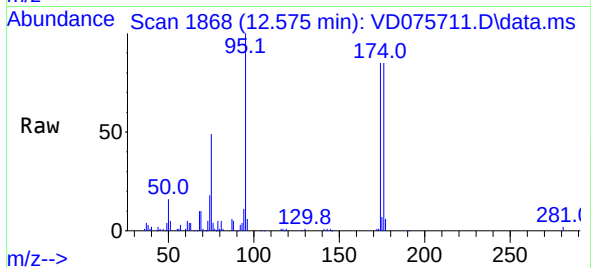




#76
1,2,3-Trichloropropane
Concen: 57.814 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075711.D
Acq: 17 Apr 2023 20:04

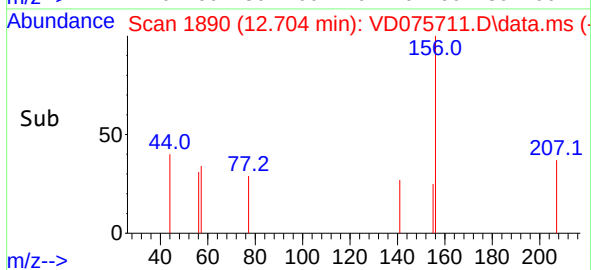
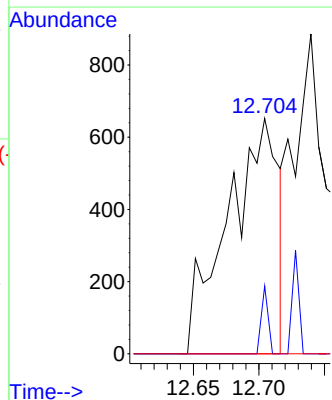
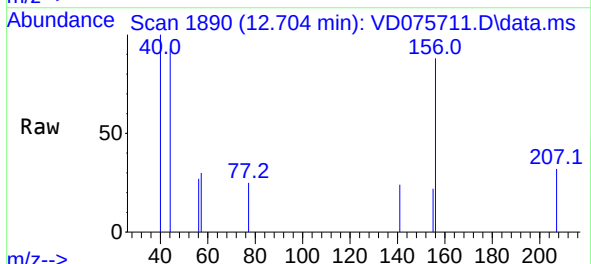
Instrument :
MSVOA_D
ClientSampleId :
SB-24-0-2-20230411

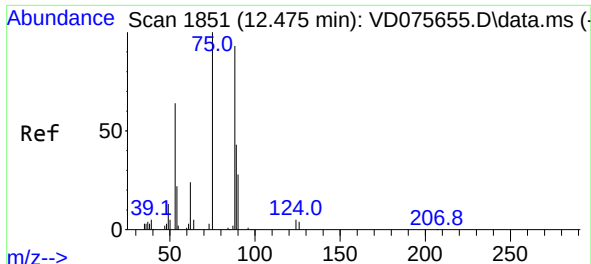
Tgt Ion: 75 Resp: 38021
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#77
Bromobenzene
Concen: 1.282 ug/l
RT: 12.704 min Scan# 1890
Delta R.T. 0.000 min
Lab File: VD075711.D
Acq: 17 Apr 2023 20:04

Tgt Ion:156 Resp: 1749
Ion Ratio Lower Upper
156 100
77 3.8 89.5 268.6#
158 0.0 47.8 143.4#

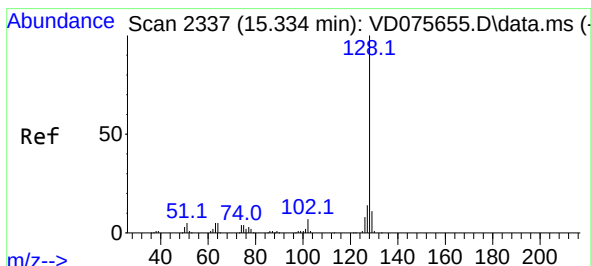
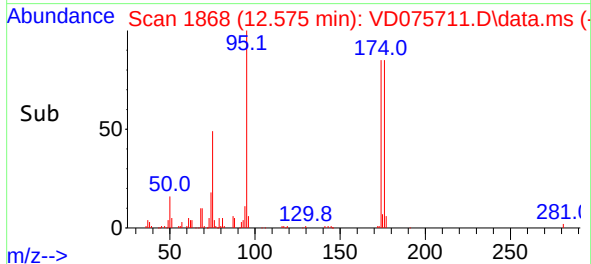
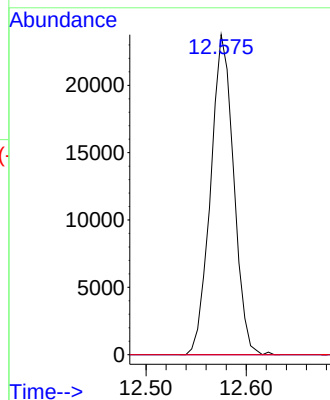
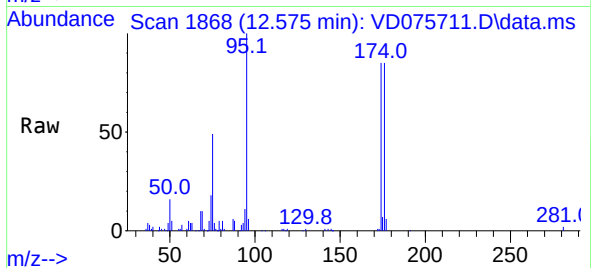




#81
trans-1,4-Dichloro-2-butene
Concen: 125.306 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD075711.D
Acq: 17 Apr 2023 20:04

Instrument :
MSVOA_D
ClientSampleId :
SB-24-0-2-20230411

Tgt Ion:	75	Resp:	38021
Ion	Ratio	Lower	Upper
75	100		
53	0.0	90.5	135.7#
89	0.0	40.2	60.4#



#95
Naphthalene
Concen: 2.276 ug/l
RT: 15.340 min Scan# 2338
Delta R.T. 0.006 min
Lab File: VD075711.D
Acq: 17 Apr 2023 20:04

Tgt Ion:	128	Resp:	6101
Ion	Ratio	Lower	Upper
128	100		
127	9.7	10.4	15.6#
129	6.6	8.8	13.2#

