

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091522\
 Data File : VD074315.D
 Acq On : 15 Sep 2022 18:26
 Operator : VA/SY
 Sample : N4538-05
 Misc : 4.82G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MBD-MP-1-1-2RE

Quant Time: Sep 16 05:55:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 04:45:19 2022
 Response via : Initial Calibration

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

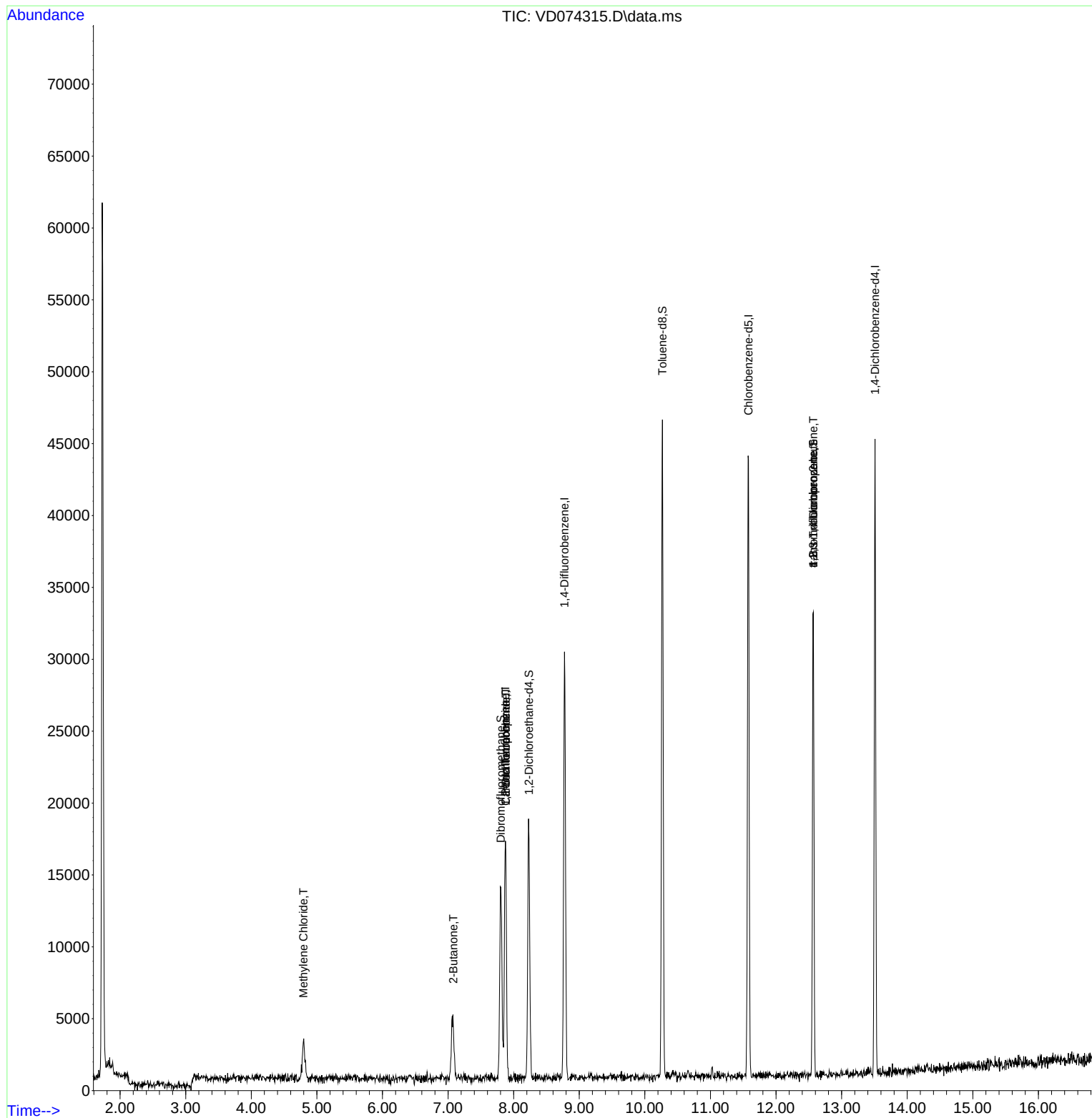
Internal Standards						
1) Pentafluorobenzene	7.875	168	13789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	26759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	26209	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.510	152	11881	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	13312	94.693	ug/l	0.01
Spiked Amount	50.000	Range 50 - 163	Recovery	= 189.380%#		
35) Dibromofluoromethane	7.804	113	10108	56.901	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 113.800%		
50) Toluene-d8	10.269	98	32046	48.855	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 97.700%		
62) 4-Bromofluorobenzene	12.569	95	10335	44.329	ug/l	0.01
Spiked Amount	50.000	Range 25 - 144	Recovery	= 88.660%		
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.793	84	1997	5.950	ug/l #	66
25) 2-Butanone	7.081	43	58	1.198	ug/l #	48
36) 1,1-Dichloropropene	7.881	75	1197	4.133	ug/l #	42
38) Carbon Tetrachloride	7.881	117	1155	4.408	ug/l #	11
76) 1,2,3-Trichloropropane	12.569	75	5557	45.625	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	5557	112.490	ug/l #	100

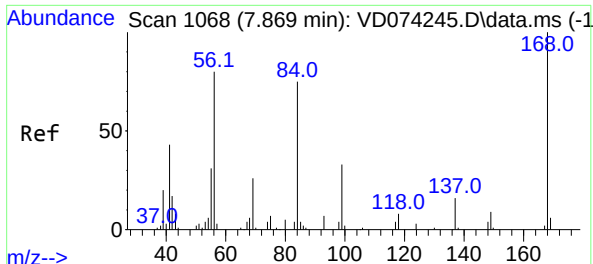
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

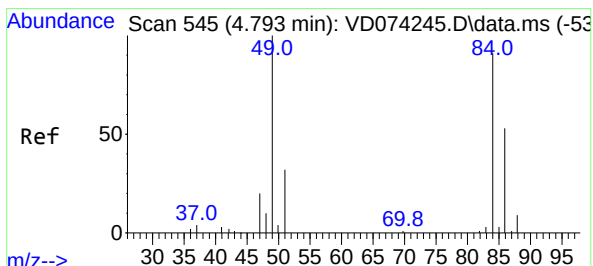
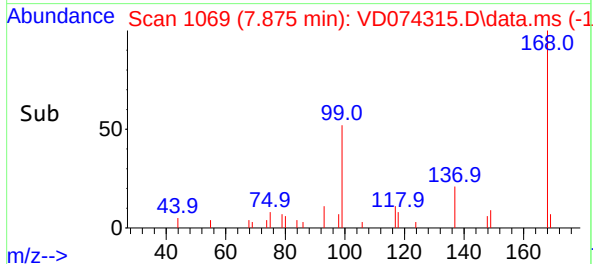
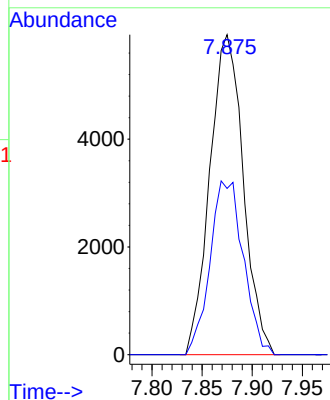
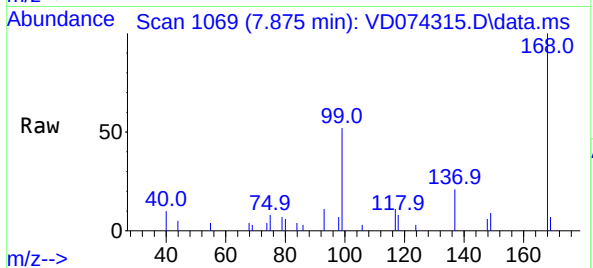




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VD074315.D
Acq: 15 Sep 2022 18:26

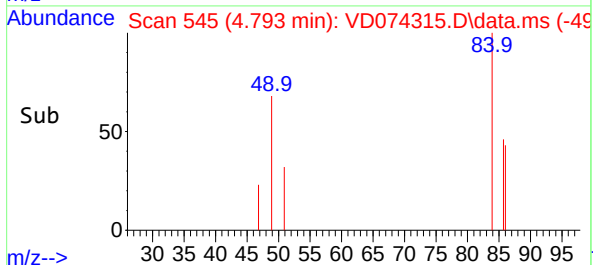
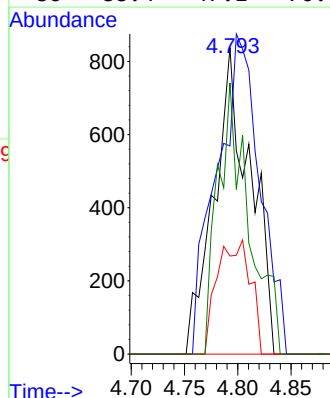
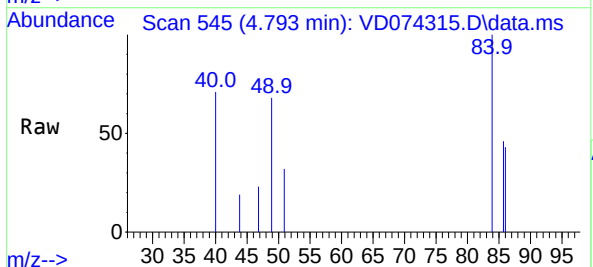
Instrument :
MSVOA_Y
ClientSampleId :
MBD-MP-1-1-2RE

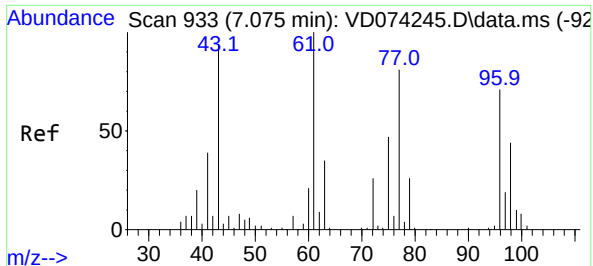
Tgt Ion:168 Resp: 13789
Ion Ratio Lower Upper
168 100
99 52.0 43.0 64.6



#20
Methylene Chloride
Concen: 5.950 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.000 min
Lab File: VD074315.D
Acq: 15 Sep 2022 18:26

Tgt Ion: 84 Resp: 1997
Ion Ratio Lower Upper
84 100
49 67.9 88.4 132.6#
51 32.0 28.0 42.0
86 88.4 47.1 70.7#





#25

2-Butanone

Concen: 1.198 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD074315.D

Acq: 15 Sep 2022 18:26

Instrument :

MSVOA_Y

ClientSampleId :

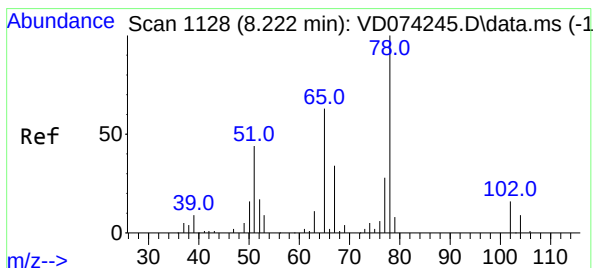
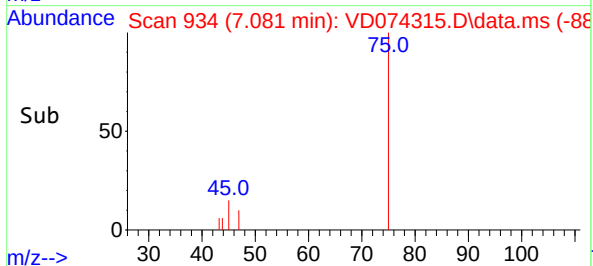
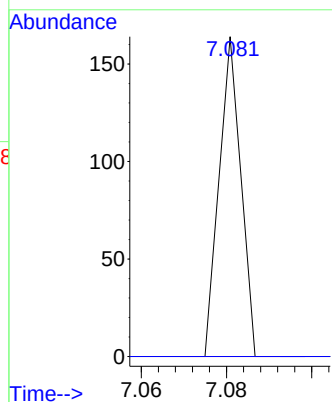
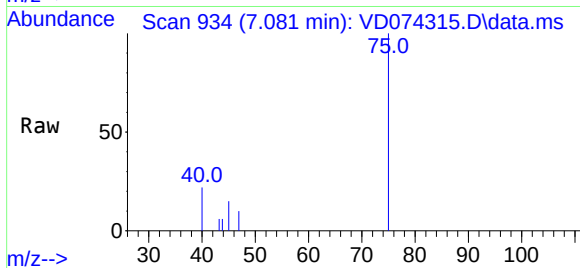
MBD-MP-1-1-2RE

Tgt Ion: 43 Resp: 58

Ion Ratio Lower Upper

43 100

72 0.0 21.8 32.6#



#33

1,2-Dichloroethane-d4

Concen: 94.693 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VD074315.D

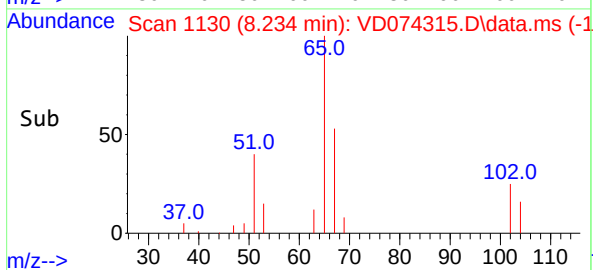
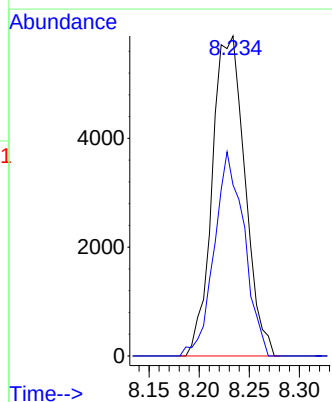
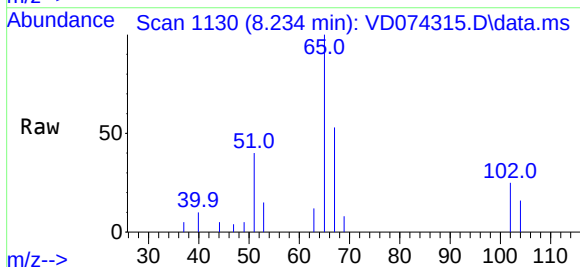
Acq: 15 Sep 2022 18:26

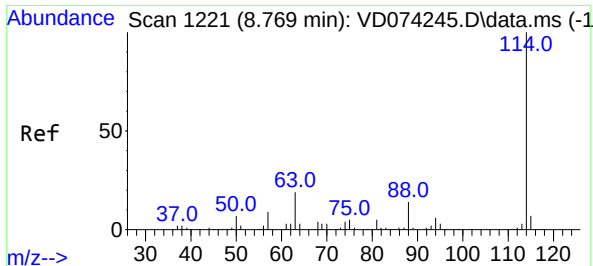
Tgt Ion: 65 Resp: 13312

Ion Ratio Lower Upper

65 100

67 58.5 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074315.D

Acq: 15 Sep 2022 18:26

Instrument :

MSVOA_Y

ClientSampleId :

MBD-MP-1-1-2RE

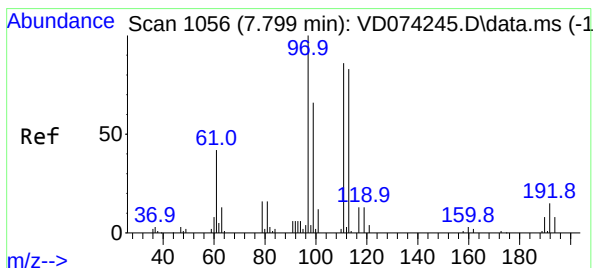
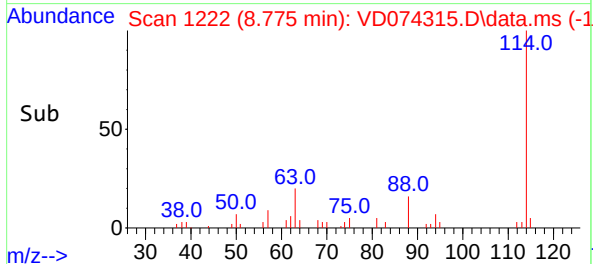
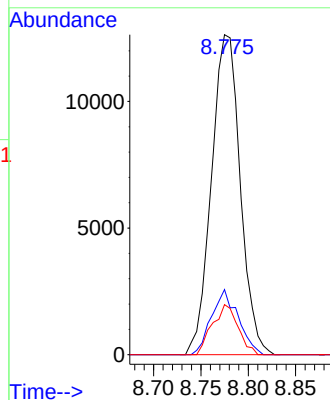
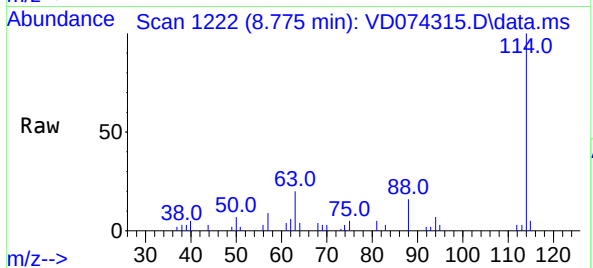
Tgt Ion:114 Resp: 26759

Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.6

88 15.7 0.0 28.4



#35

Dibromofluoromethane

Concen: 56.901 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.005 min

Lab File: VD074315.D

Acq: 15 Sep 2022 18:26

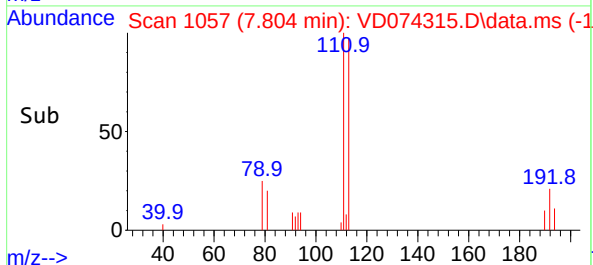
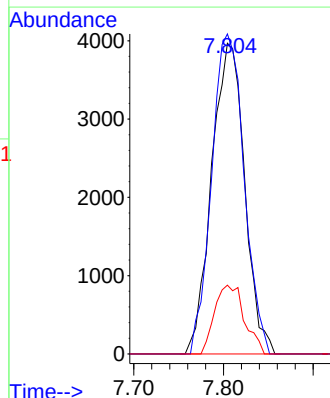
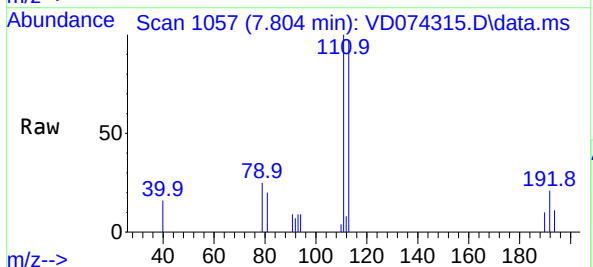
Tgt Ion:113 Resp: 10108

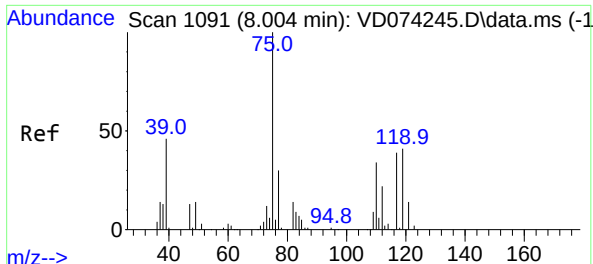
Ion Ratio Lower Upper

113 100

111 101.4 83.0 124.6

192 20.0 16.2 24.2





#36

1,1-Dichloropropene

Concen: 4.133 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.124 min

Lab File: VD074315.D

Acq: 15 Sep 2022 18:26

Instrument :

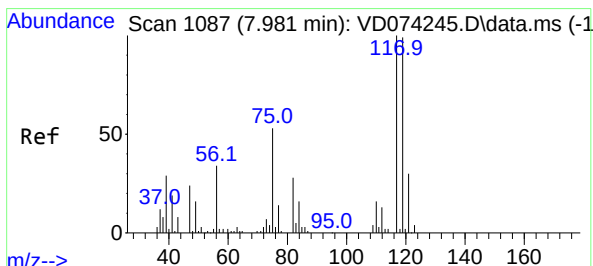
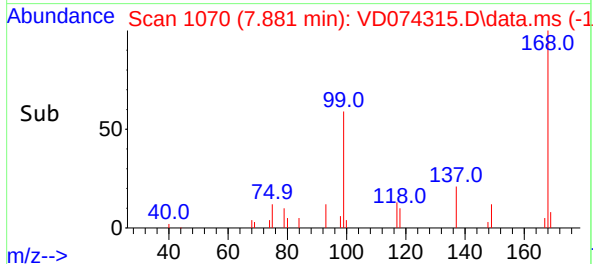
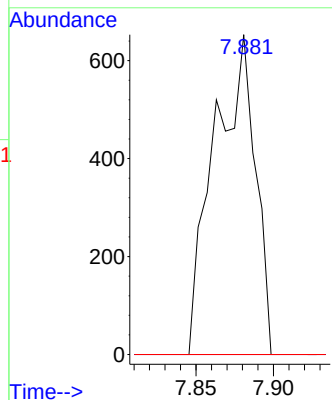
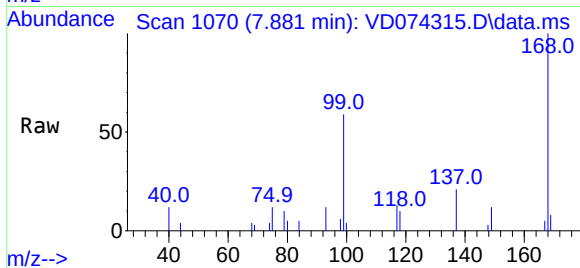
MSVOA_Y

ClientSampleId :

MBD-MP-1-1-2RE

Tgt Ion: 75 Resp: 1197

Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.5	52.5#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 4.408 ug/l

RT: 7.881 min Scan# 1070

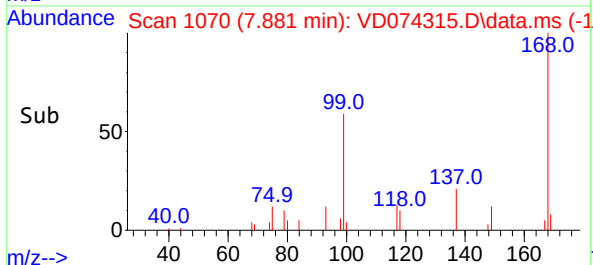
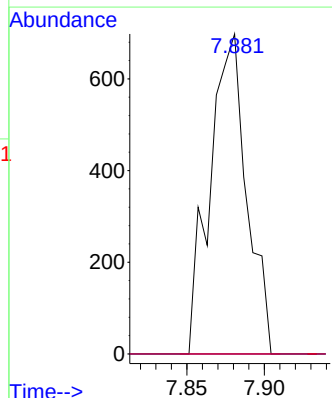
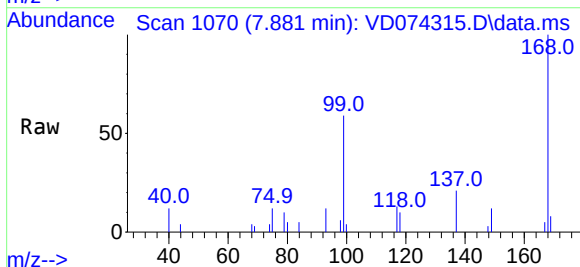
Delta R.T. -0.100 min

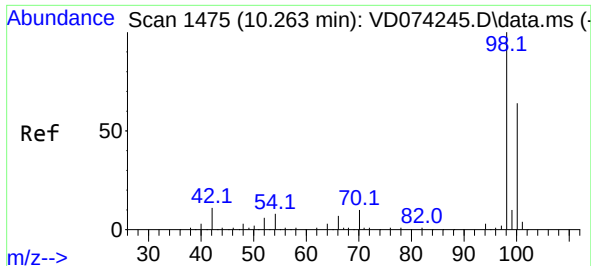
Lab File: VD074315.D

Acq: 15 Sep 2022 18:26

Tgt Ion: 117 Resp: 1155

Ion	Ratio	Lower	Upper
117	100		
119	0.0	78.8	118.2#
121	0.0	23.9	35.9#

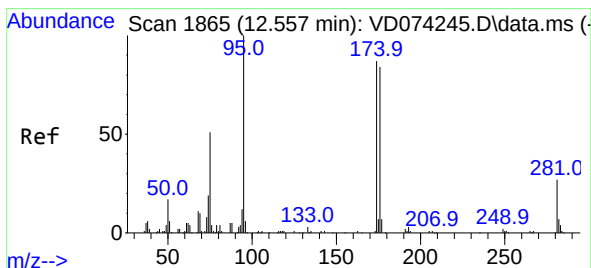
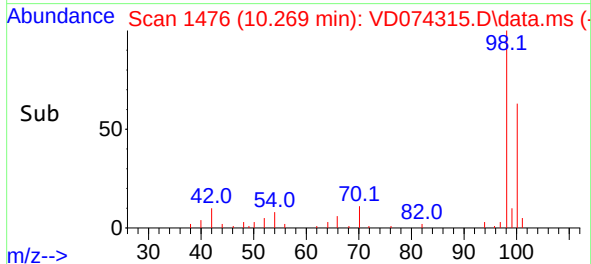
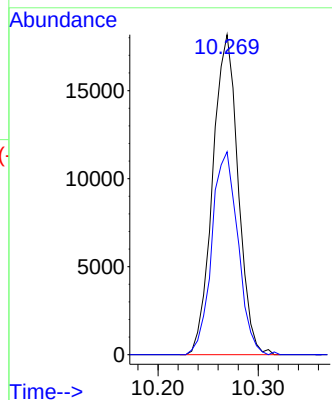
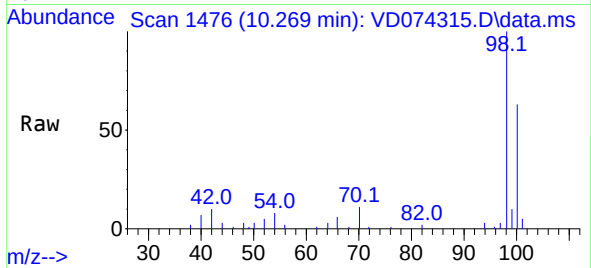




#50
Toluene-d8
Concen: 48.855 ug/l
RT: 10.269 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VD074315.D
Acq: 15 Sep 2022 18:26

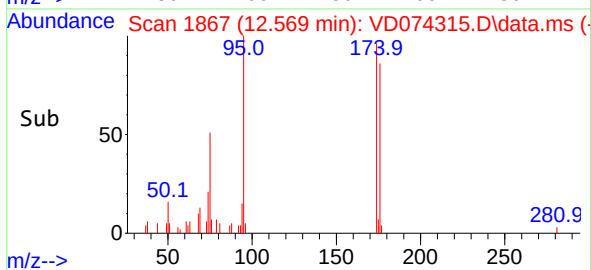
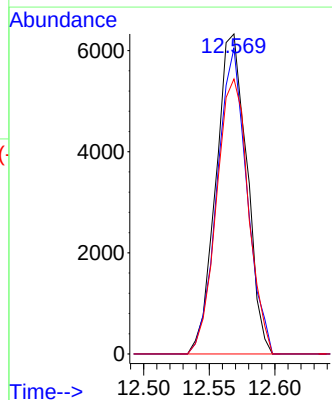
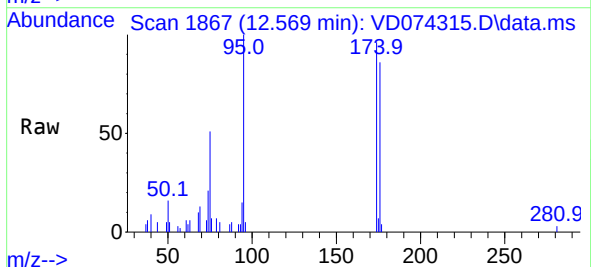
Instrument :
MSVOA_Y
ClientSampleId :
MBD-MP-1-1-2RE

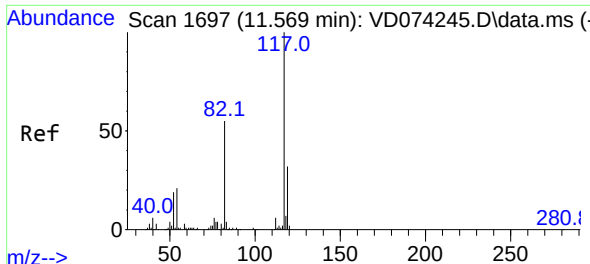
Tgt Ion: 98 Resp: 32046
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 44.329 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.012 min
Lab File: VD074315.D
Acq: 15 Sep 2022 18:26

Tgt Ion: 95 Resp: 10335
Ion Ratio Lower Upper
95 100
174 92.1 0.0 179.2
176 88.8 0.0 171.4

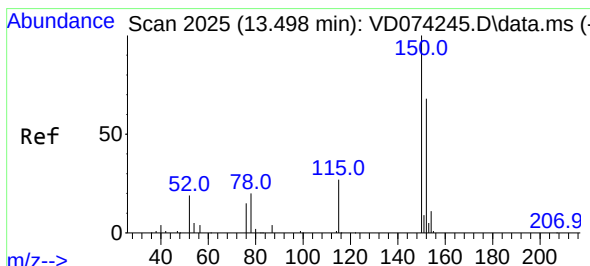
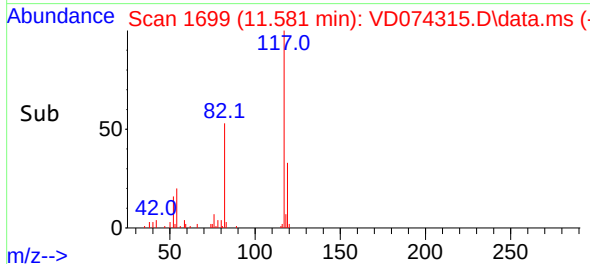
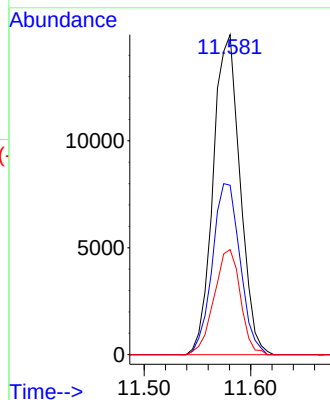
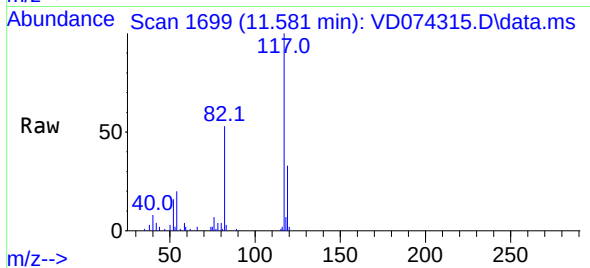




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD074315.D
Acq: 15 Sep 2022 18:26

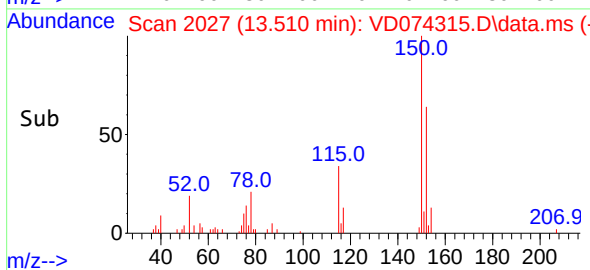
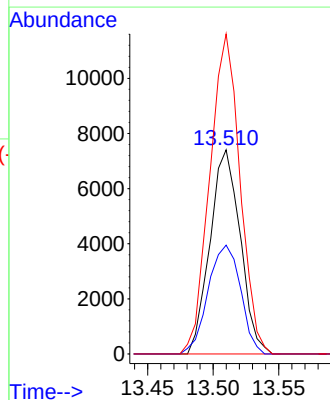
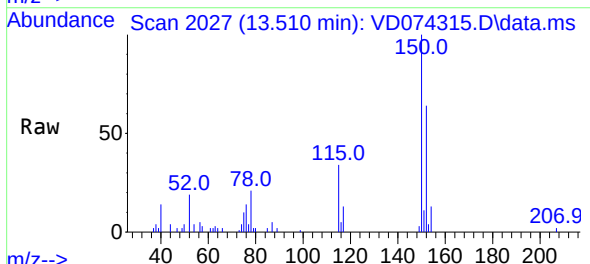
Instrument :
MSVOA_Y
ClientSampleId :
MBD-MP-1-1-2RE

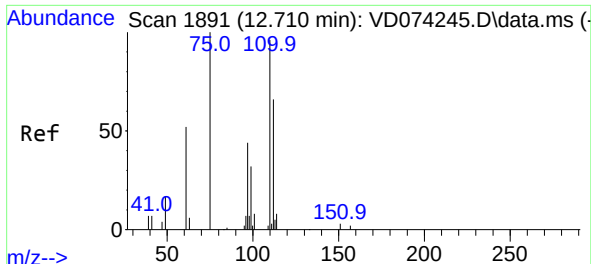
Tgt Ion:117	Resp:	26209
Ion	Ratio	Lower Upper
117	100	
82	52.9	44.2 66.2
119	32.8	25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. 0.012 min
Lab File: VD074315.D
Acq: 15 Sep 2022 18:26

Tgt Ion:152	Resp:	11881
Ion	Ratio	Lower Upper
152	100	
115	57.1	28.4 85.2
150	156.8	0.0 351.0

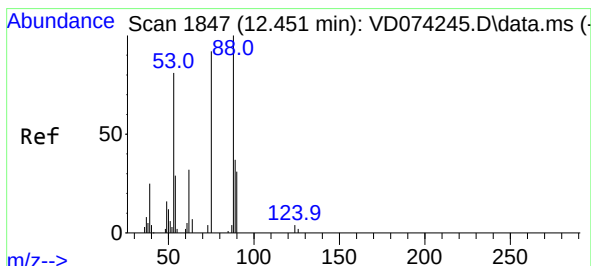
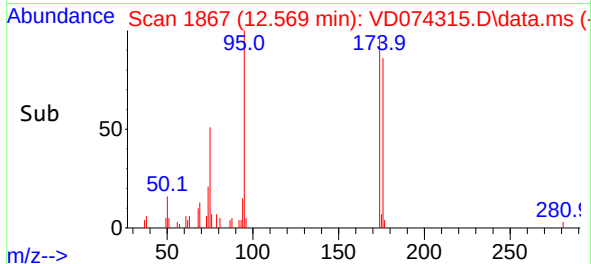
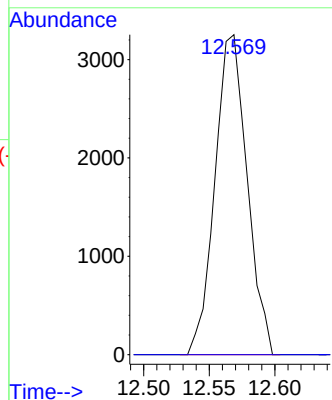
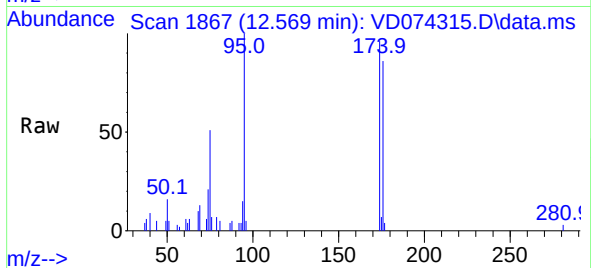




#76
1,2,3-Trichloropropane
Concen: 45.625 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.141 min
Lab File: VD074315.D
Acq: 15 Sep 2022 18:26

Instrument :
MSVOA_Y
ClientSampleId :
MBD-MP-1-1-2RE

Tgt Ion: 75 Resp: 5557
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 112.490 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.117 min
Lab File: VD074315.D
Acq: 15 Sep 2022 18:26

Tgt Ion: 75 Resp: 5557
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

