

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049541.D
 Acq On : 30 Jun 2022 03:32
 Operator : SY/MD
 Sample : N3517-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-5-20220627

Quant Time: Jun 30 04:14:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

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

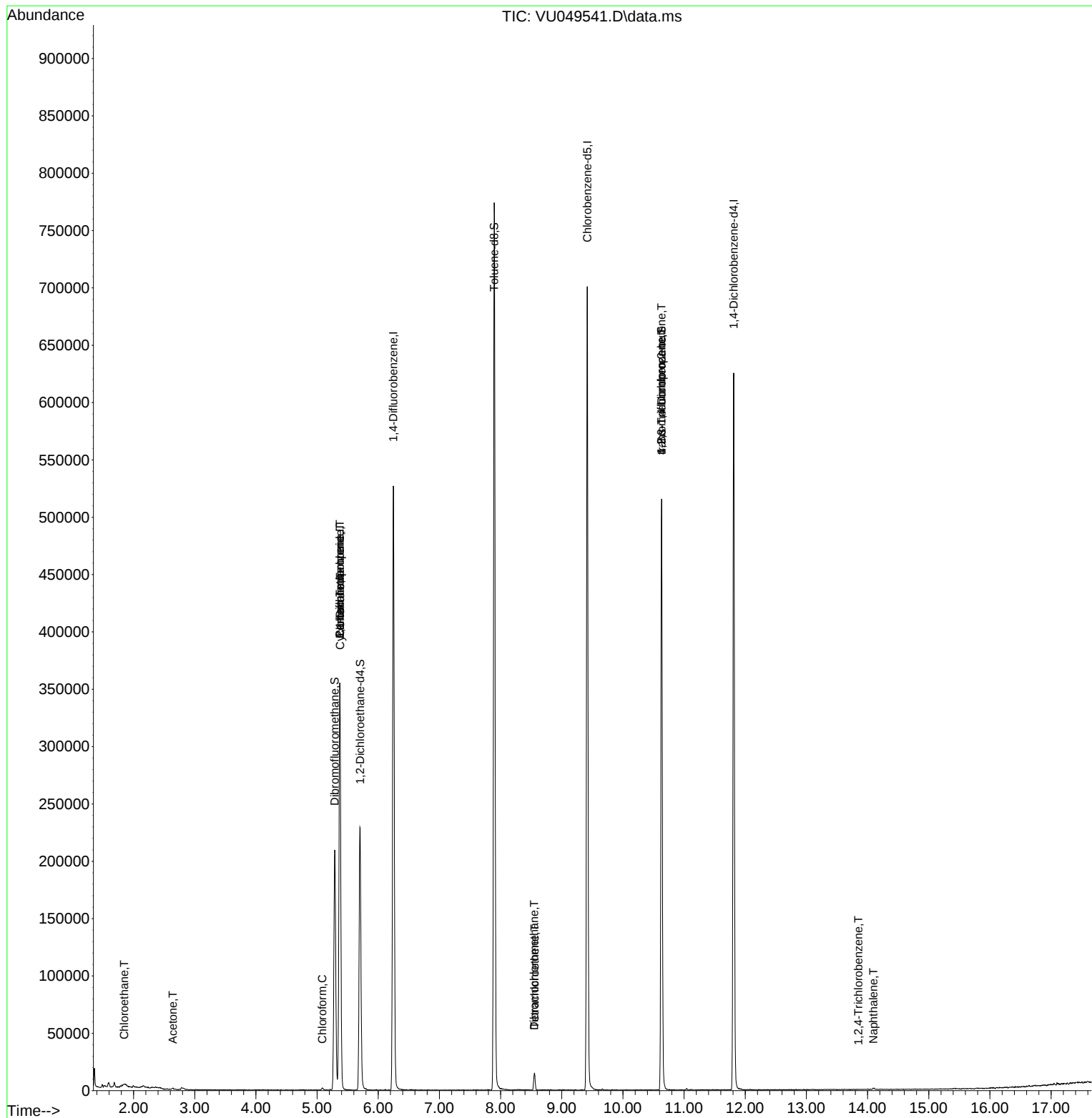
Internal Standards						
1) Pentafluorobenzene	5.372	168	241461	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	426100	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	382270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	163297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	173604	46.685	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.360%
35) Dibromofluoromethane	5.289	113	138101	46.325	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.660%
50) Toluene-d8	7.896	98	512526	48.202	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.400%
62) 4-Bromofluorobenzene	10.632	95	177210	43.508	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.020%
Target Compounds						
						Qvalue
3) Chloromethane	1.517	50	1418	Below Cal		100
6) Chloroethane	1.848	64	70	1.953	ug/l #	44
16) Acetone	2.642	43	1504	0.802	ug/l	95
20) Methylene Chloride	3.047	84	75	Below Cal	#	53
30) Chloroform	5.086	83	1619	0.282	ug/l	92
31) Cyclohexane	5.375	56	5161	0.924	ug/l #	7
36) 1,1-Dichloropropene	5.372	75	19914	4.607	ug/l #	49
38) Carbon Tetrachloride	5.372	117	26379	5.819	ug/l #	16
60) Dibromochloromethane	8.549	129	3328	0.998	ug/l #	11
64) Tetrachloroethene	8.555	164	3426	1.397	ug/l	93
76) 1,2,3-Trichloropropane	10.632	75	91392	16.510	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	91392	60.969	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.848	180	20	1.759	ug/l #	12
95) Naphthalene	14.095	128	1922	1.881	ug/l #	79

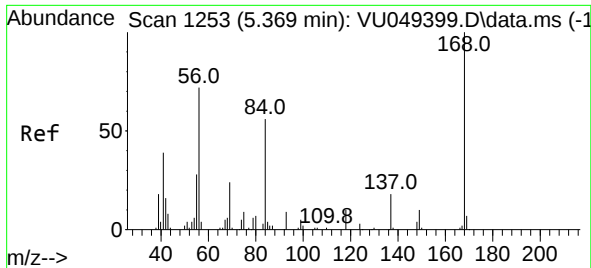
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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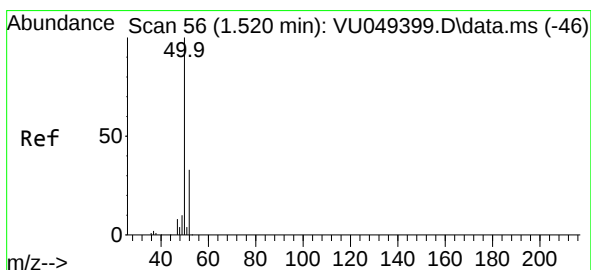
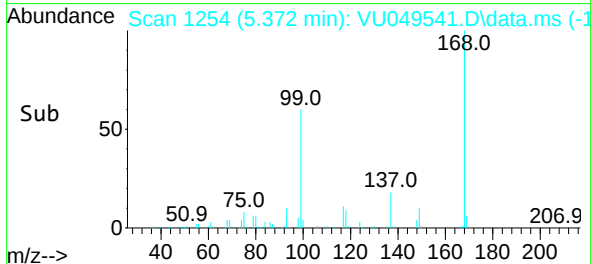
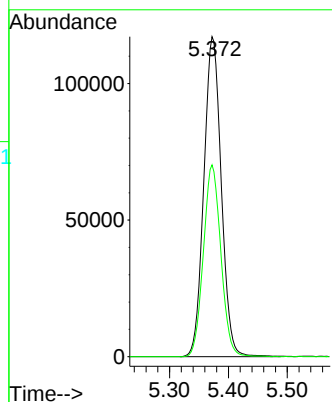
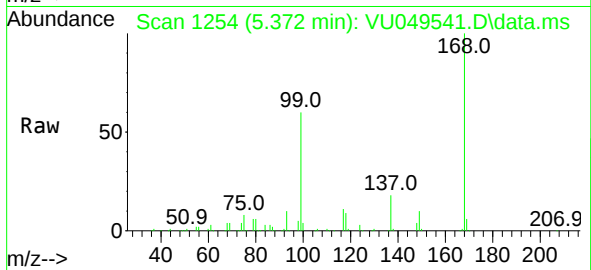




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049541.D
Acq: 30 Jun 2022 03:32

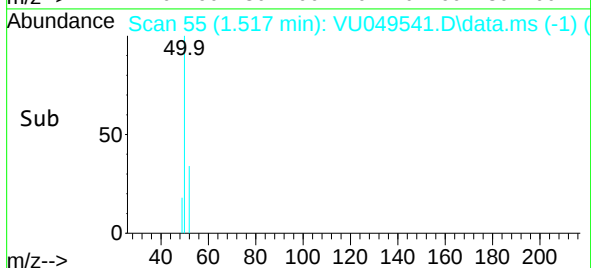
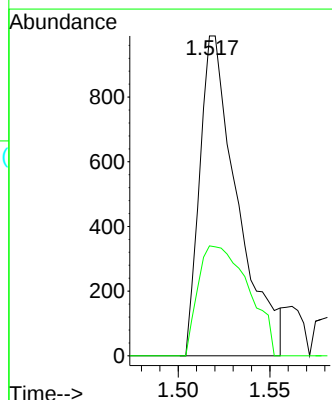
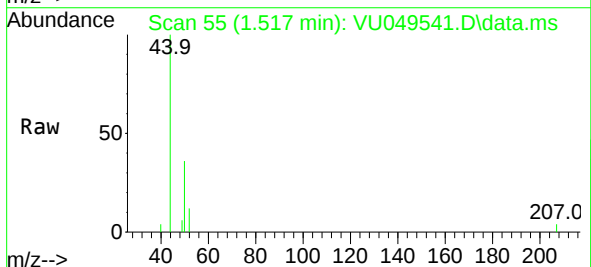
Instrument :
MSVOA_U
ClientSampleId :
MW-5-20220627

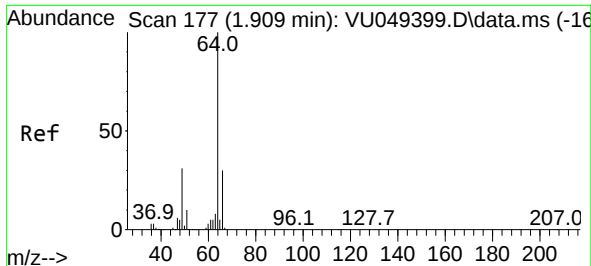
Tgt Ion:168 Resp: 241461
Ion Ratio Lower Upper
168 100
99 59.9 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU049541.D
Acq: 30 Jun 2022 03:32

Tgt Ion: 50 Resp: 1418
Ion Ratio Lower Upper
50 100
52 34.4 27.4 41.2

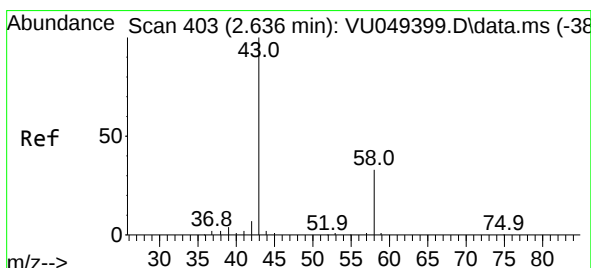
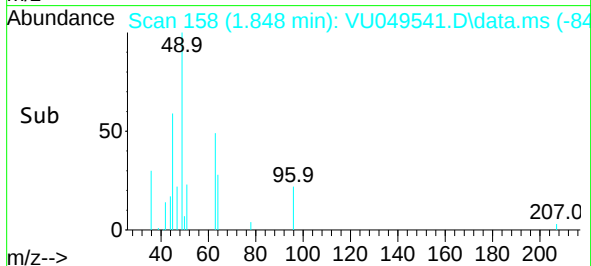
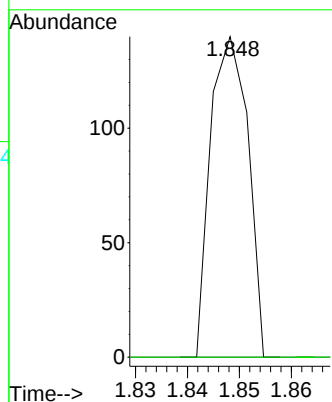
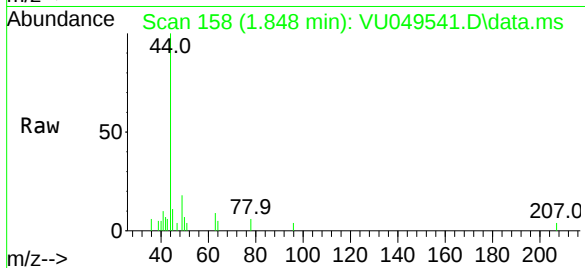




#6
Chloroethane
Concen: 1.953 ug/l
RT: 1.848 min Scan# 11
Delta R.T. -0.061 min
Lab File: VU049541.D
Acq: 30 Jun 2022 03:32

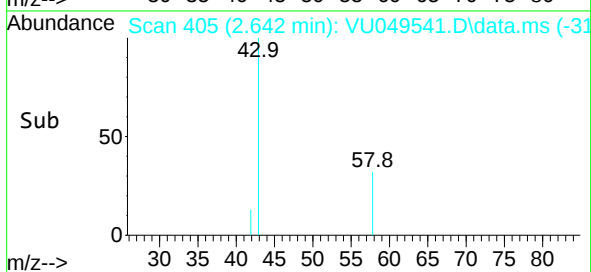
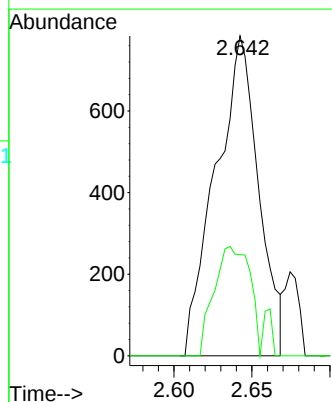
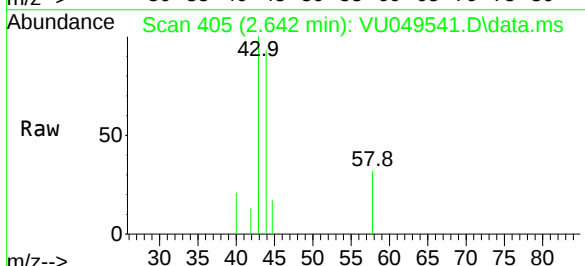
Instrument :
MSVOA_U
ClientSampleId :
MW-5-20220627

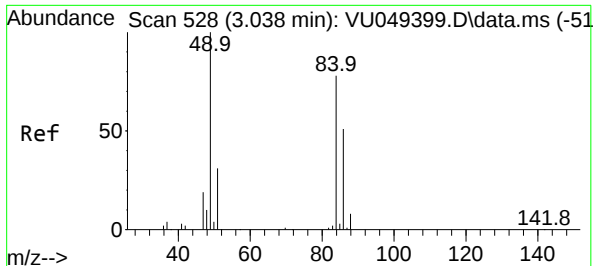
Tgt Ion: 64 Resp: 70
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#16
Acetone
Concen: 0.802 ug/l
RT: 2.642 min Scan# 405
Delta R.T. 0.007 min
Lab File: VU049541.D
Acq: 30 Jun 2022 03:32

Tgt Ion: 43 Resp: 1504
Ion Ratio Lower Upper
43 100
58 31.6 27.5 41.3

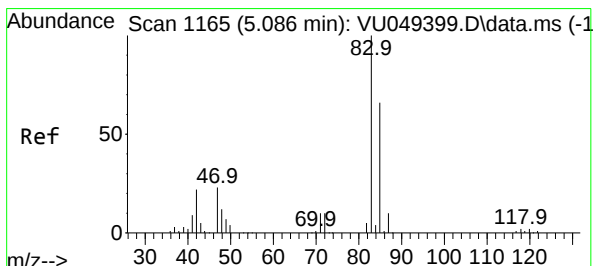
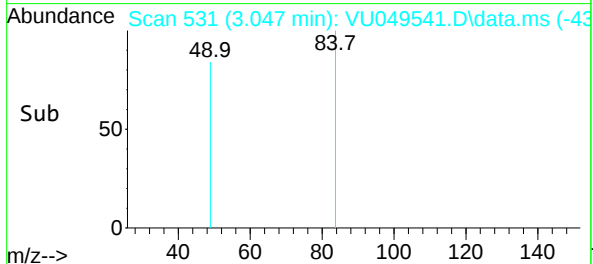
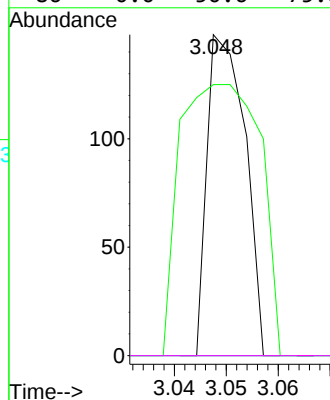
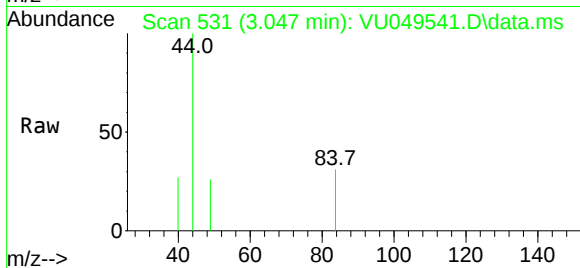




#20
Methylene Chloride
Concen: Below Cal
RT: 3.047 min Scan# 51
Delta R.T. 0.010 min
Lab File: VU049541.D
Acq: 30 Jun 2022 03:32

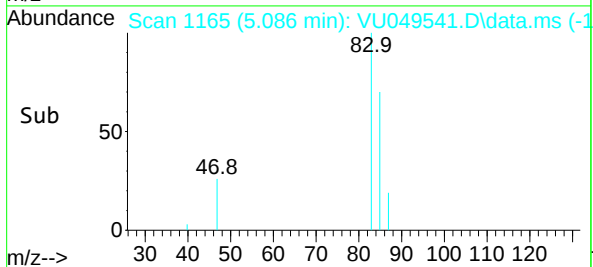
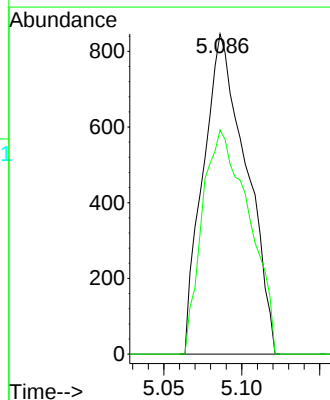
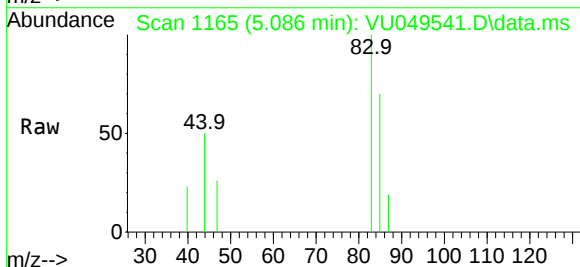
Instrument :
MSVOA_U
ClientSampleId :
MW-5-20220627

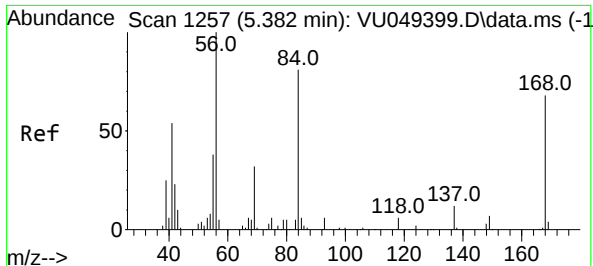
Tgt Ion:	84	Resp:	75
Ion	Ratio	Lower	Upper
84	100		
49	84.5	86.6	129.8#
51	0.0	26.6	40.0#
86	0.0	50.6	75.8#



#30
Chloroform
Concen: 0.282 ug/l
RT: 5.086 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VU049541.D
Acq: 30 Jun 2022 03:32

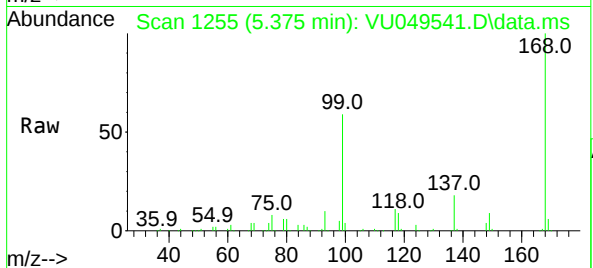
Tgt Ion:	83	Resp:	1619
Ion	Ratio	Lower	Upper
83	100		
85	70.0	51.2	76.8



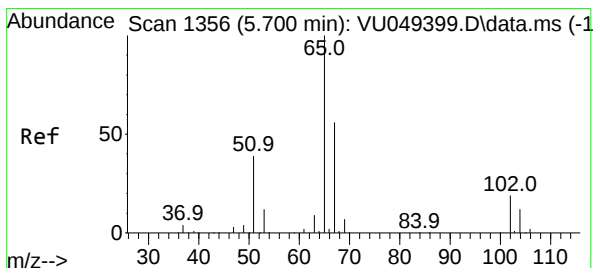
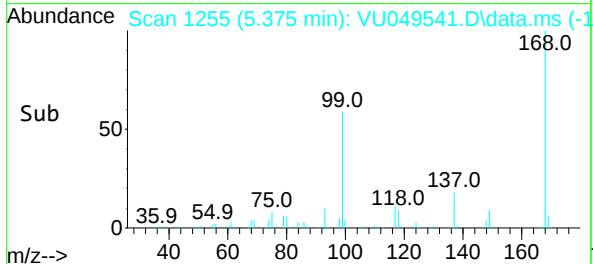
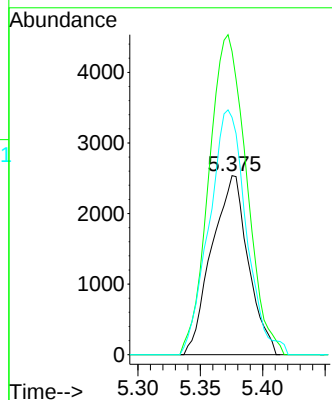


#31
Cyclohexane
Concen: 0.924 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.006 min
Lab File: VU049541.D
Acq: 30 Jun 2022 03:32

Instrument :
MSVOA_U
ClientSampleId :
MW-5-20220627

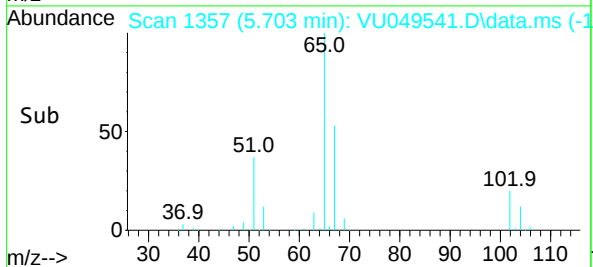
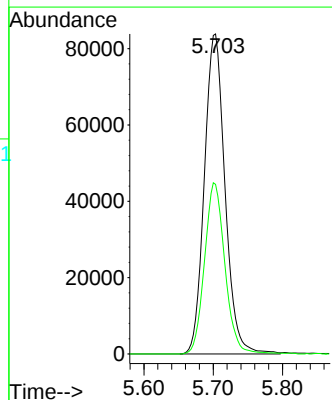
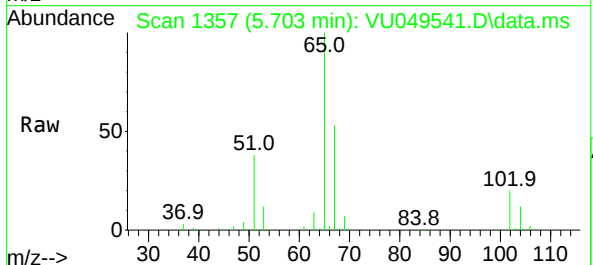


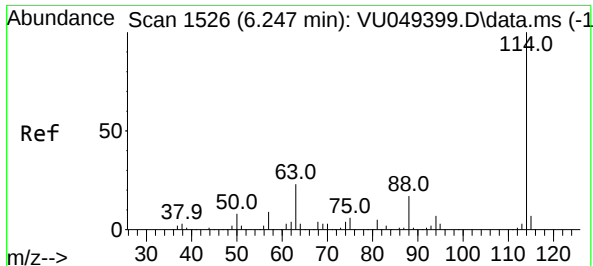
Tgt Ion: 56 Resp: 5161
Ion Ratio Lower Upper
56 100
69 169.4 27.8 41.8#
84 132.5 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 46.685 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU049541.D
Acq: 30 Jun 2022 03:32

Tgt Ion: 65 Resp: 173604
Ion Ratio Lower Upper
65 100
67 52.8 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049541.D

Acq: 30 Jun 2022 03:32

Instrument :

MSVOA_U

ClientSampleId :

MW-5-20220627

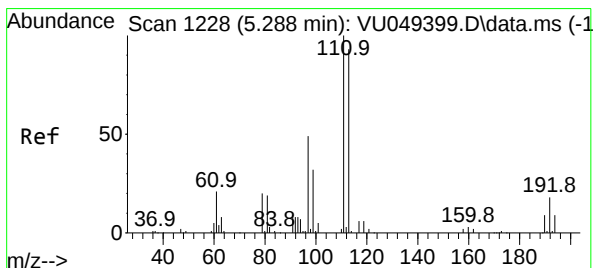
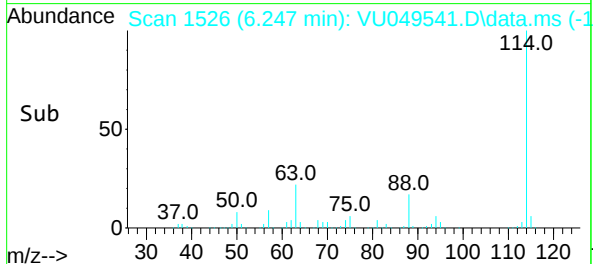
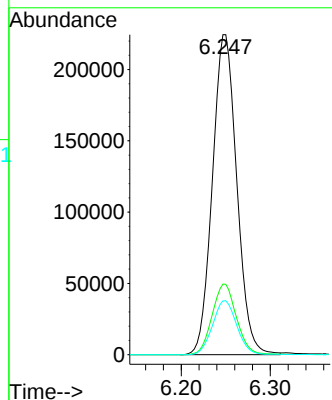
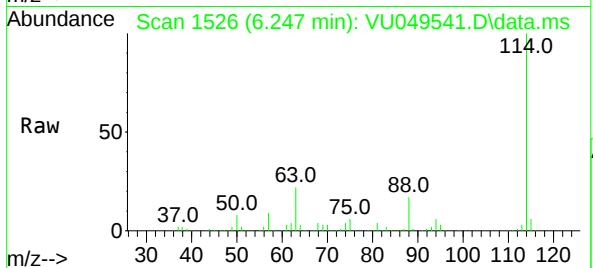
Tgt Ion:114 Resp: 426100

Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.8

88 16.8 0.0 29.2



#35

Dibromofluoromethane

Concen: 46.325 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049541.D

Acq: 30 Jun 2022 03:32

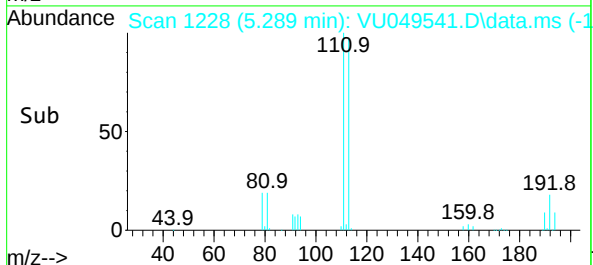
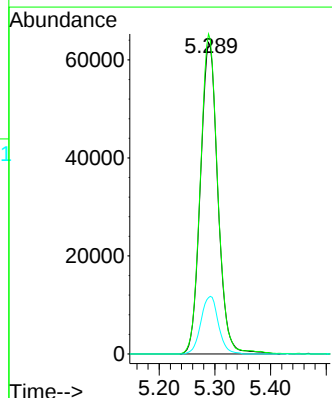
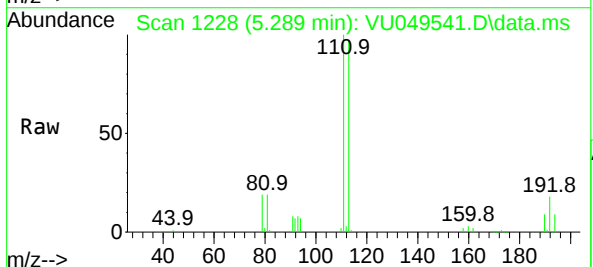
Tgt Ion:113 Resp: 138101

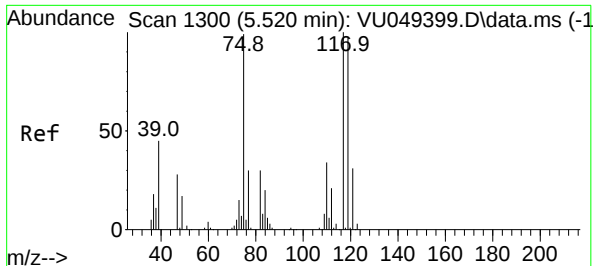
Ion Ratio Lower Upper

113 100

111 101.4 82.1 123.1

192 18.6 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.607 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.148 min

Lab File: VU049541.D

Acq: 30 Jun 2022 03:32

Instrument :

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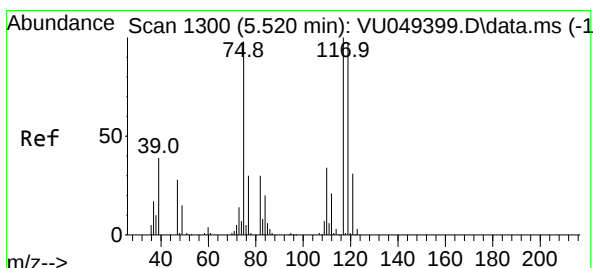
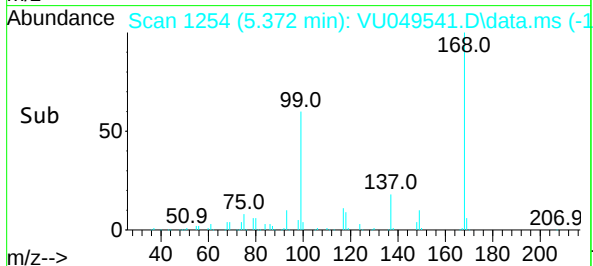
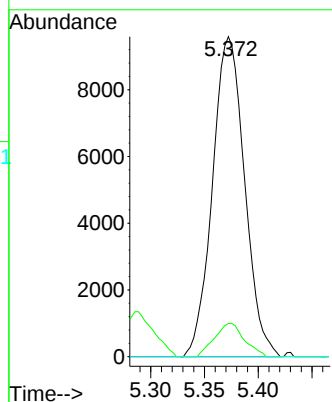
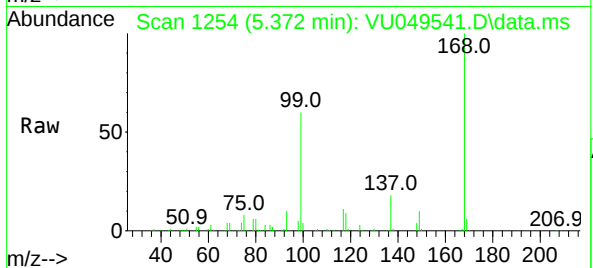
Tgt Ion: 75 Resp: 19914

Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.819 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049541.D

Acq: 30 Jun 2022 03:32

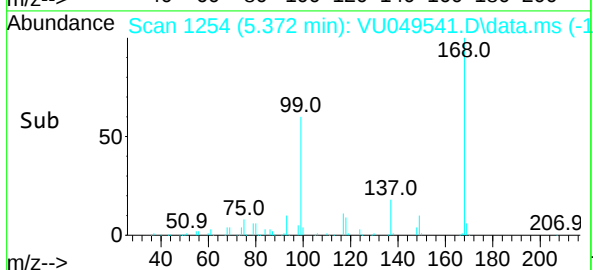
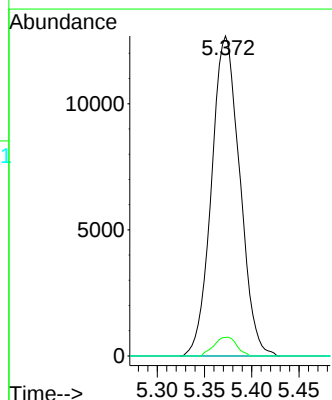
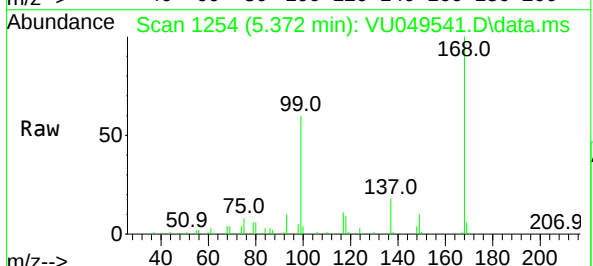
Tgt Ion: 117 Resp: 26379

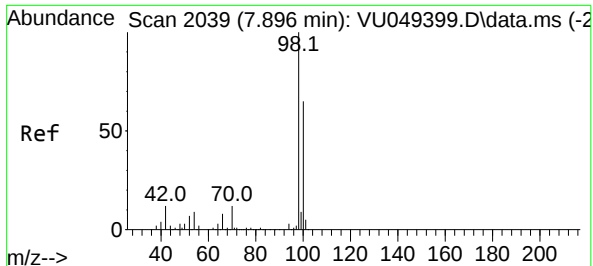
Ion Ratio Lower Upper

117 100

119 5.8 76.8 115.2#

121 0.0 24.7 37.1#

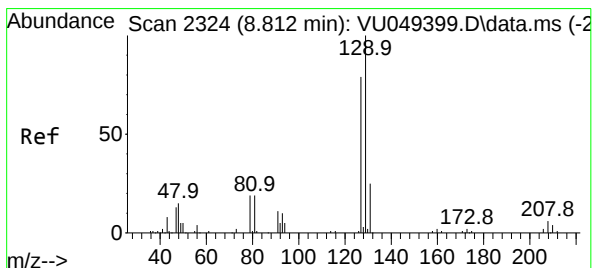
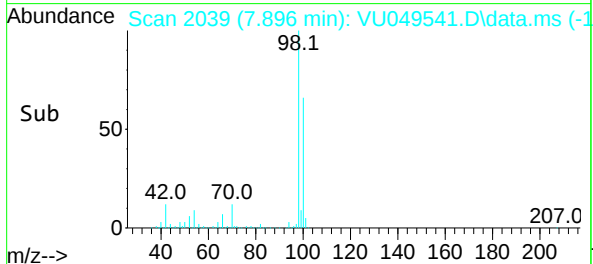
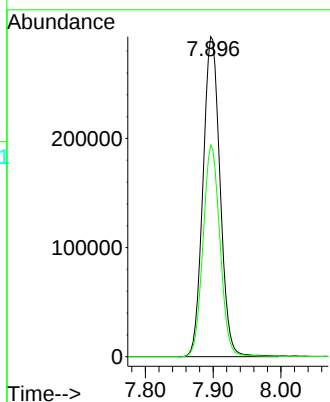
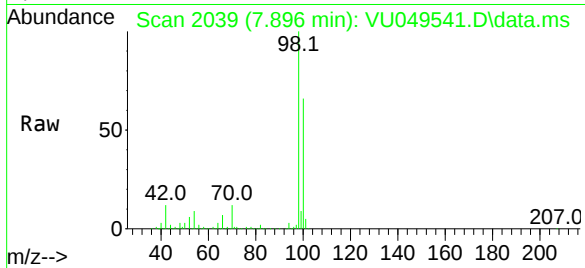




#50
Toluene-d8
Concen: 48.202 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049541.D
Acq: 30 Jun 2022 03:32

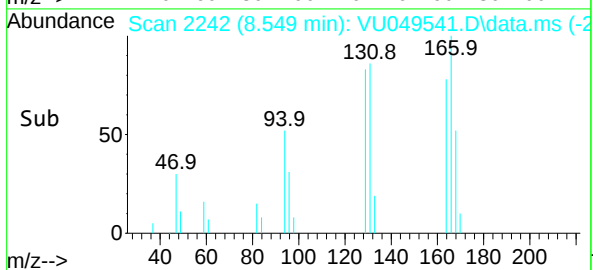
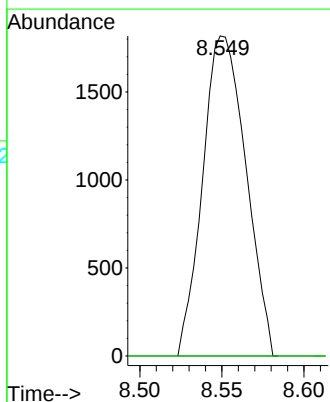
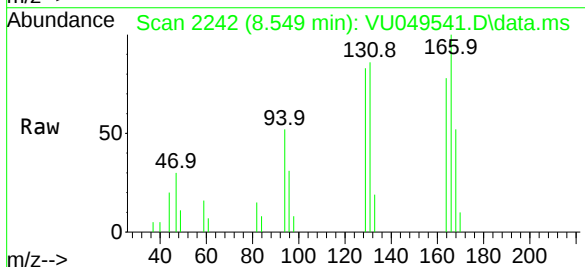
Instrument :
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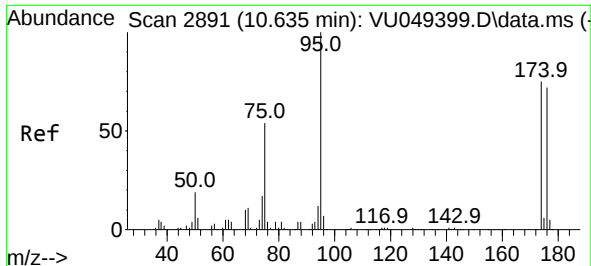
Tgt Ion: 98 Resp: 512526
Ion Ratio Lower Upper
98 100
100 65.6 51.7 77.5



#60
Dibromochloromethane
Concen: 0.998 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. -0.263 min
Lab File: VU049541.D
Acq: 30 Jun 2022 03:32

Tgt Ion: 129 Resp: 3328
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

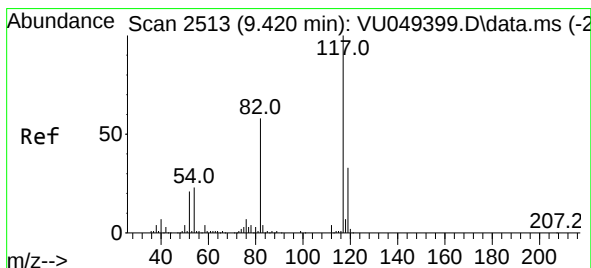
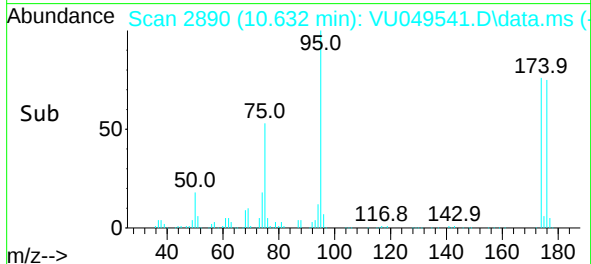
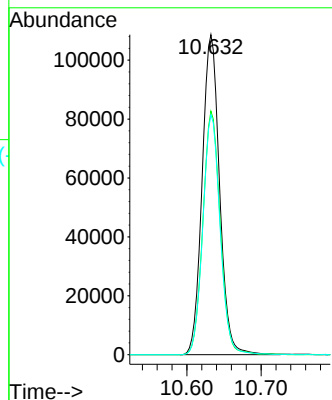
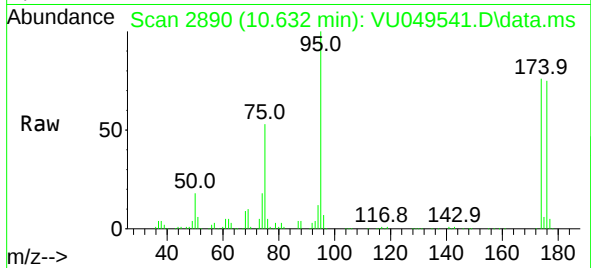




#62
4-Bromofluorobenzene
Concen: 43.508 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049541.D
Acq: 30 Jun 2022 03:32

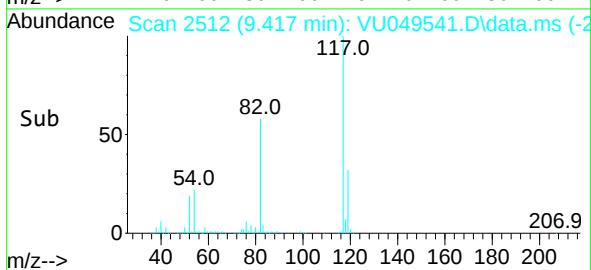
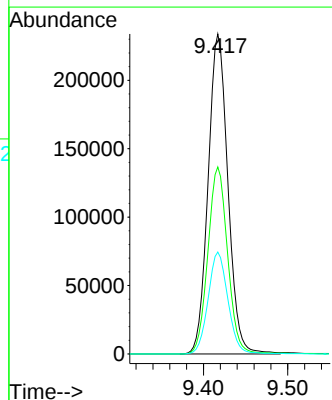
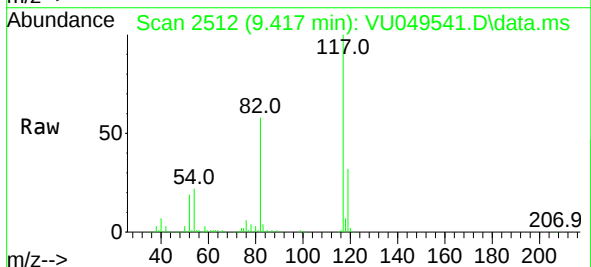
Instrument :
MSVOA_U
ClientSampleId :
MW-5-20220627

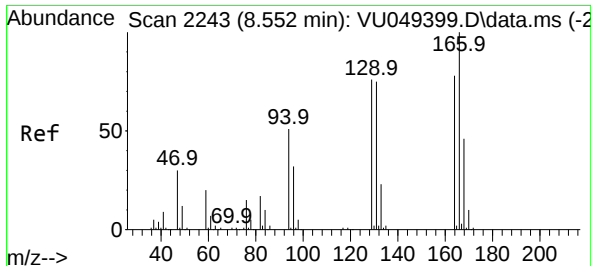
Tgt Ion: 95 Resp: 177210
Ion Ratio Lower Upper
95 100
174 75.5 0.0 182.0
176 74.1 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049541.D
Acq: 30 Jun 2022 03:32

Tgt Ion: 117 Resp: 382270
Ion Ratio Lower Upper
117 100
82 58.5 41.7 62.5
119 31.8 25.7 38.5

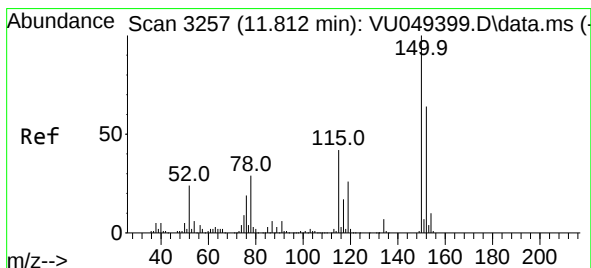
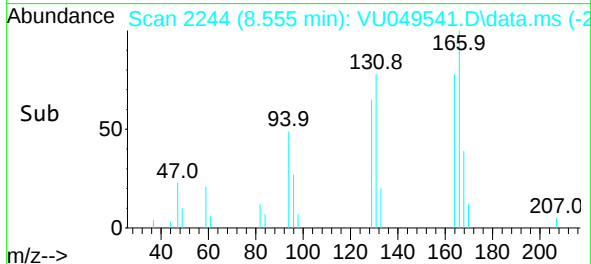
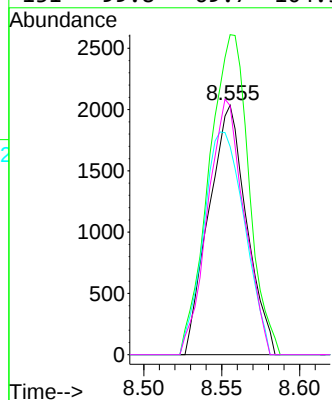
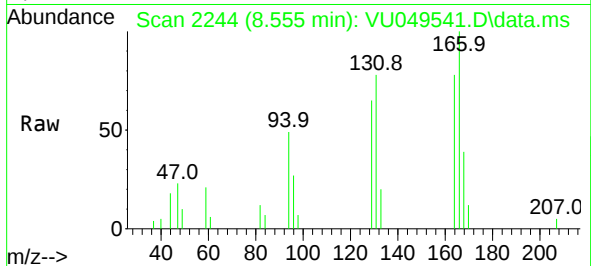




#64
Tetrachloroethene
Concen: 1.397 ug/l
RT: 8.555 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049541.D
Acq: 30 Jun 2022 03:32

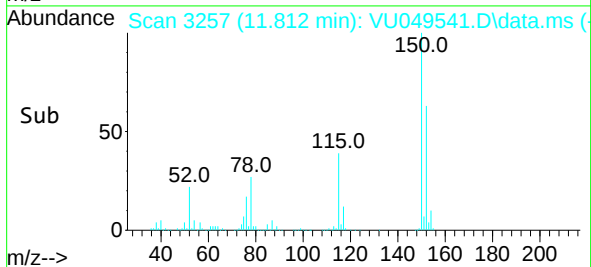
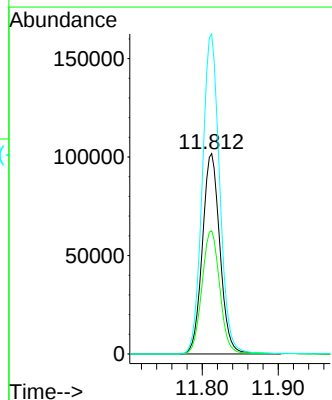
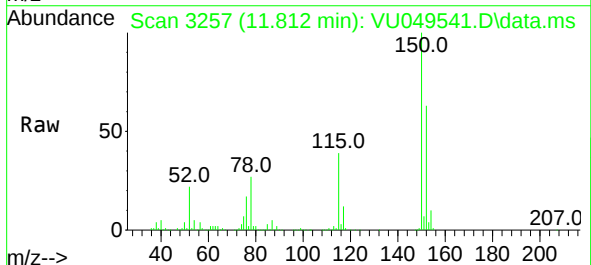
Instrument :
MSVOA_U
ClientSampleId :
MW-5-20220627

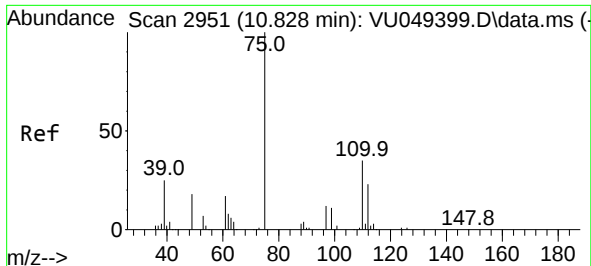
Tgt	Ion:164	Resp:	3426
Ion	Ratio	Lower	Upper
164	100		
166	128.2	100.0	150.0
129	83.4	72.0	108.0
131	99.8	69.7	104.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049541.D
Acq: 30 Jun 2022 03:32

Tgt	Ion:152	Resp:	163297
Ion	Ratio	Lower	Upper
152	100		
115	62.3	37.0	110.9
150	158.4	0.0	342.2

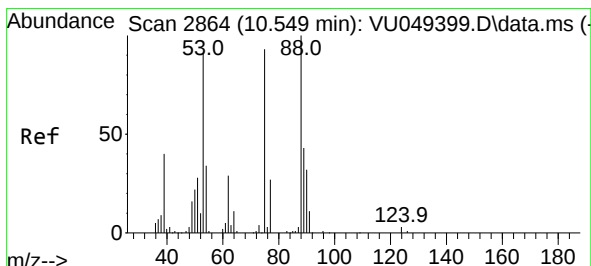
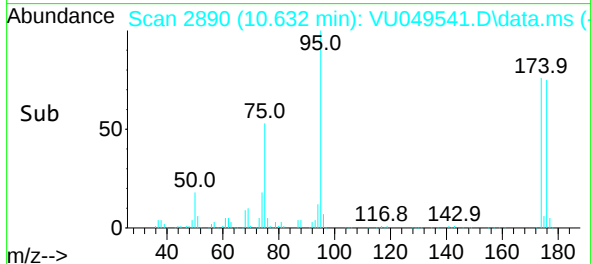
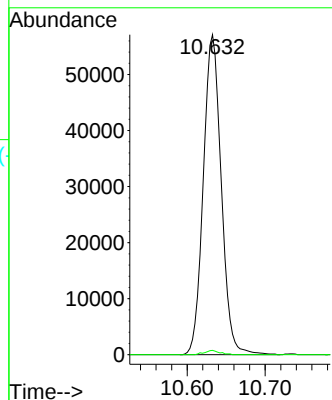
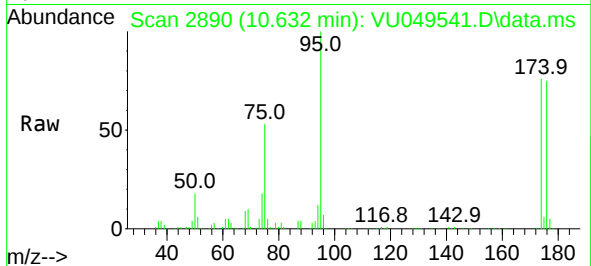




#76
1,2,3-Trichloropropane
Concen: 16.510 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049541.D
Acq: 30 Jun 2022 03:32

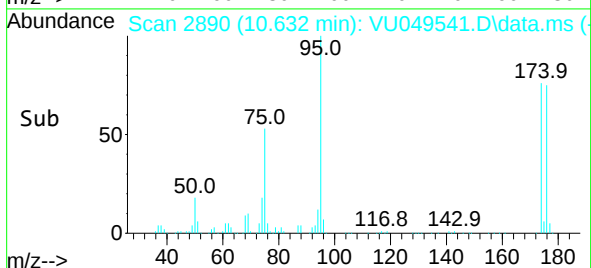
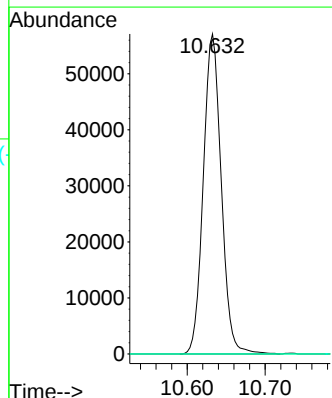
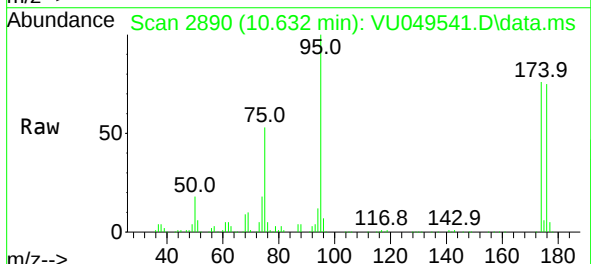
Instrument :
MSVOA_U
ClientSampleId :
MW-5-20220627

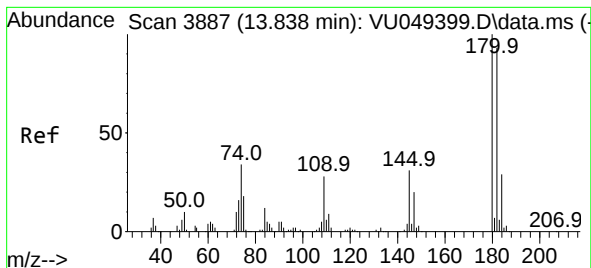
Tgt Ion: 75 Resp: 91392
Ion Ratio Lower Upper
75 100
77 1.1 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.969 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049541.D
Acq: 30 Jun 2022 03:32

Tgt Ion: 75 Resp: 91392
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#





#93

1,2,4-Trichlorobenzene

Concen: 1.759 ug/l

RT: 13.848 min Scan# 3887

Delta R.T. 0.010 min

Lab File: VU049541.D

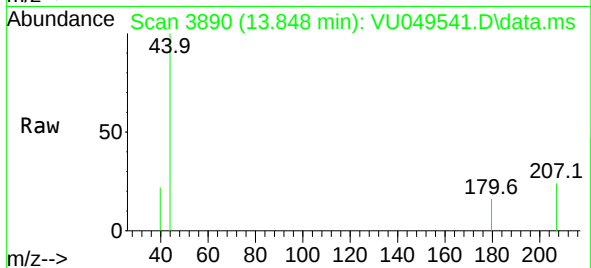
Acq: 30 Jun 2022 03:32

Instrument :

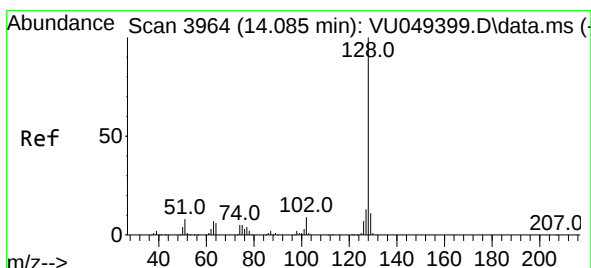
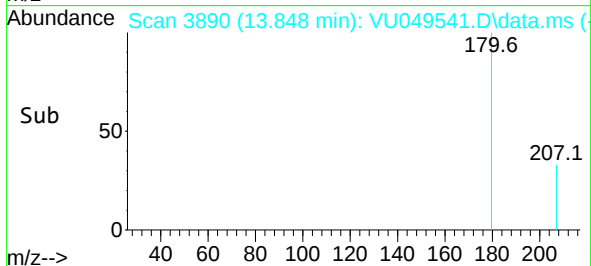
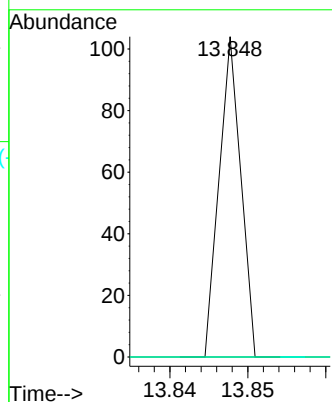
MSVOA_U

ClientSampleId :

MW-5-20220627



Tgt Ion:180	Resp:	20
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.9 143.6#
145	0.0	14.0 41.9#



#95

Naphthalene

Concen: 1.881 ug/l

RT: 14.095 min Scan# 3967

Delta R.T. 0.010 min

Lab File: VU049541.D

Acq: 30 Jun 2022 03:32

Tgt Ion:128	Resp:	1922
Ion Ratio	Lower	Upper
128	100	
127	7.2	10.3 15.5#
129	0.0	8.6 13.0#

