

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049543.D
 Acq On : 30 Jun 2022 04:19
 Operator : SY/MD
 Sample : N3517-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4-20220627

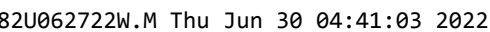
Quant Time: Jun 30 04:40:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

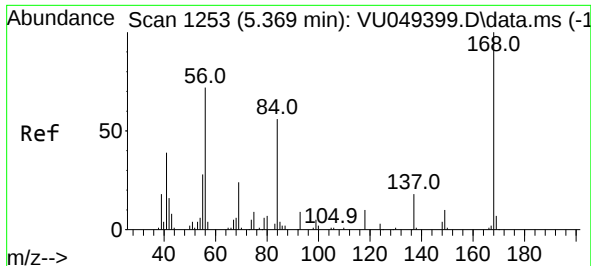
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.372	168	239594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	425573	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	381894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	174384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	170613	46.238	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.480%
35) Dibromofluoromethane	5.288	113	135294	45.440	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.880%
50) Toluene-d8	7.896	98	509375	47.965	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.940%
62) 4-Bromofluorobenzene	10.632	95	178397	43.853	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.700%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1615	Below Cal	#	82
6) Chloroethane	1.877	64	47	1.941	ug/l #	44
16) Acetone	2.642	43	3514	1.888	ug/l	98
20) Methylene Chloride	3.051	84	121	Below Cal	#	55
28) Bromochloromethane	5.092	49	5064	2.009	ug/l #	4
30) Chloroform	5.089	83	64564	11.316	ug/l	99
31) Cyclohexane	5.372	56	4711	0.850	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	19712	4.566	ug/l #	48
38) Carbon Tetrachloride	5.372	117	24515	5.415	ug/l #	17
51) 4-Methyl-2-Pentanone	7.893	43	2321	0.401	ug/l #	1
60) Dibromochloromethane	8.552	129	2129	0.639	ug/l #	11
64) Tetrachloroethene	8.552	164	2509	1.024	ug/l	95
76) 1,2,3-Trichloropropane	10.632	75	91804	15.530	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	91804	57.350	ug/l #	15
95) Naphthalene	14.102	128	398	1.764	ug/l #	69

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

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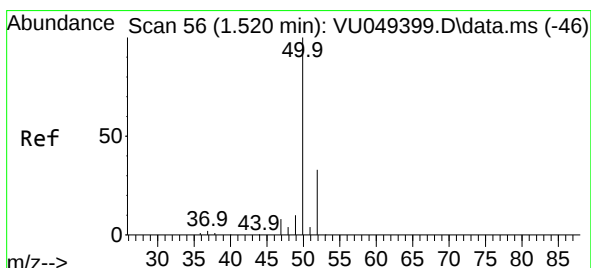
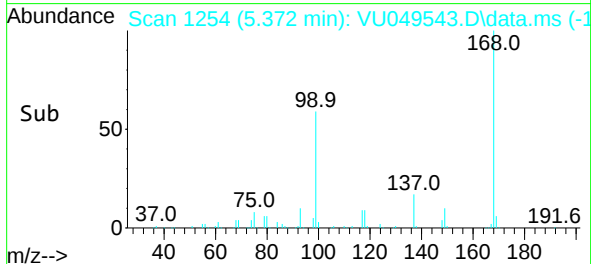
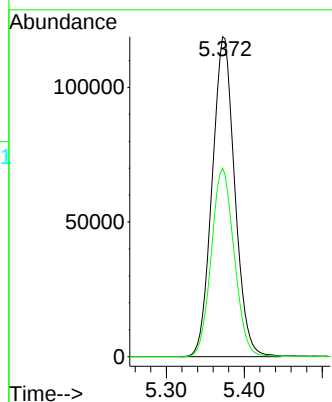
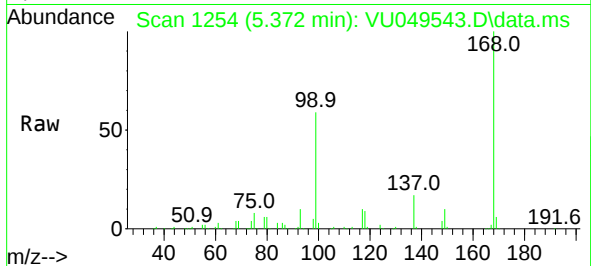




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049543.D
Acq: 30 Jun 2022 04:19

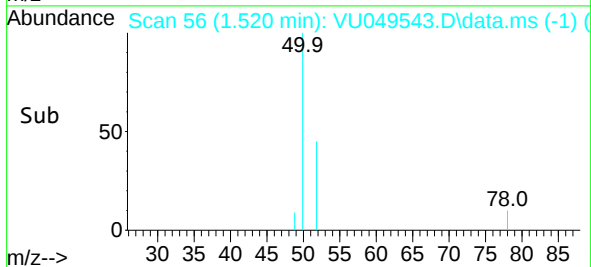
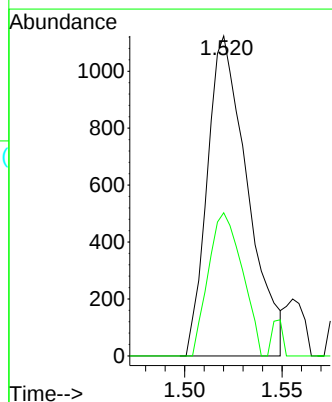
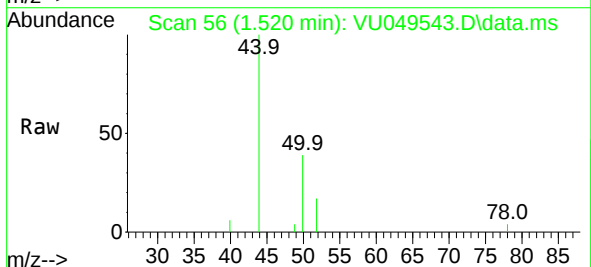
Instrument :
MSVOA_U
ClientSampleId :
MW-4-20220627

Tgt Ion:168 Resp: 239594
Ion Ratio Lower Upper
168 100
99 58.9 39.3 58.9



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049543.D
Acq: 30 Jun 2022 04:19

Tgt Ion: 50 Resp: 1615
Ion Ratio Lower Upper
50 100
52 44.8 27.4 41.2#

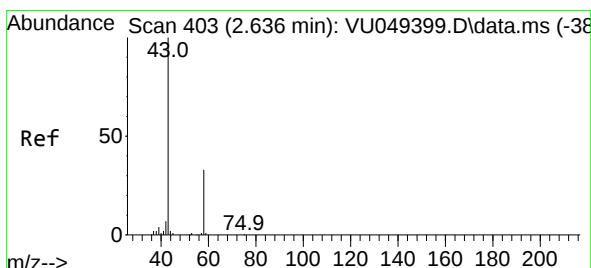
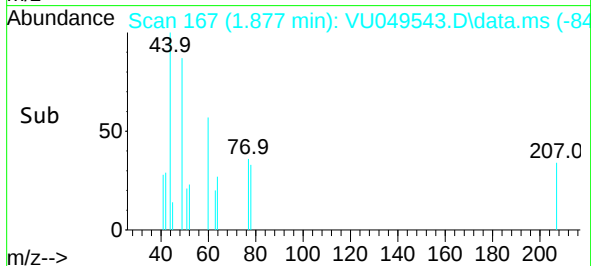
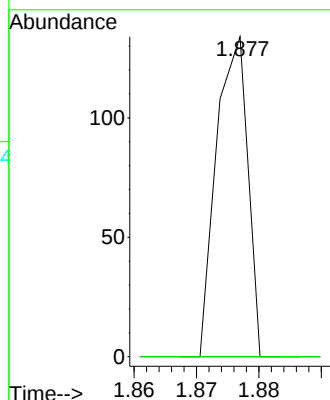
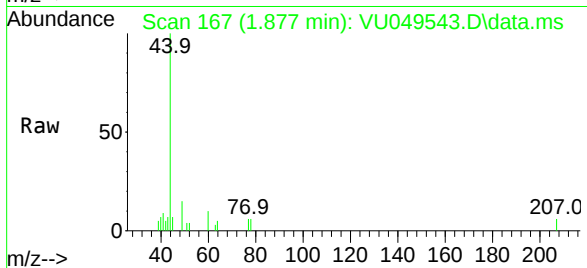




#6
Chloroethane
Concen: 1.941 ug/l
RT: 1.877 min Scan# 1
Delta R.T. -0.032 min
Lab File: VU049543.D
Acq: 30 Jun 2022 04:19

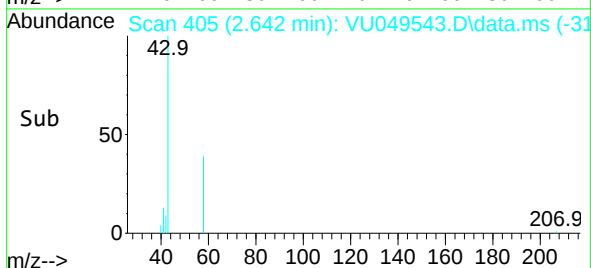
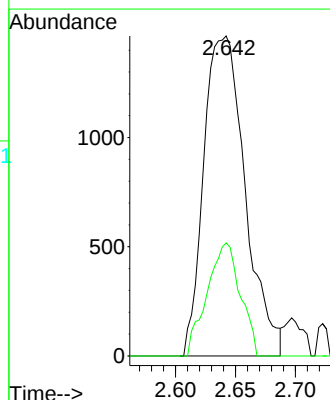
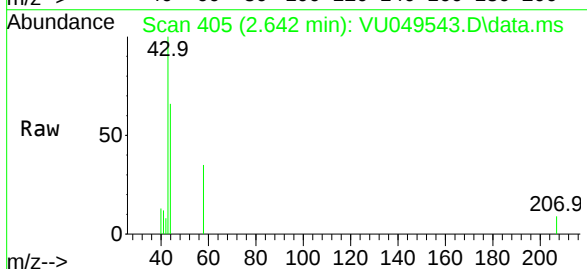
Instrument :
MSVOA_U
ClientSampleId :
MW-4-20220627

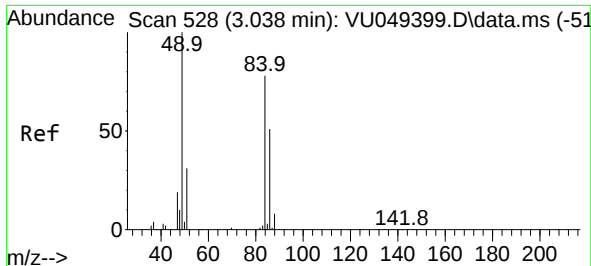
Tgt Ion: 64 Resp: 47
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#16
Acetone
Concen: 1.888 ug/l
RT: 2.642 min Scan# 405
Delta R.T. 0.006 min
Lab File: VU049543.D
Acq: 30 Jun 2022 04:19

Tgt Ion: 43 Resp: 3514
Ion Ratio Lower Upper
43 100
58 35.4 27.5 41.3





#20

Methylene Chloride

Concen: Below Cal

RT: 3.051 min Scan# 51

Delta R.T. 0.013 min

Lab File: VU049543.D

Acq: 30 Jun 2022 04:19

Instrument :

MSVOA_U

ClientSampleId :

MW-4-20220627

Tgt Ion: 84 Resp: 121

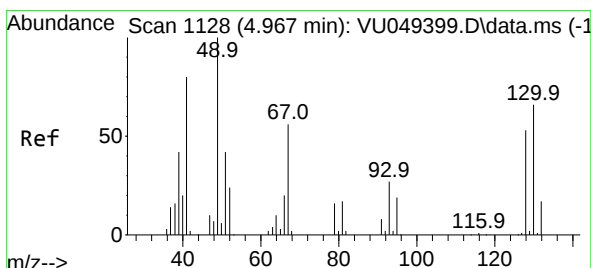
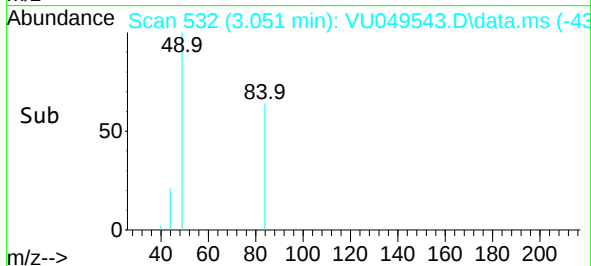
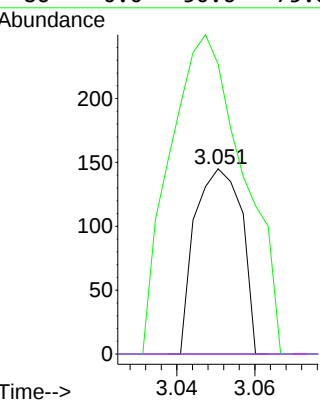
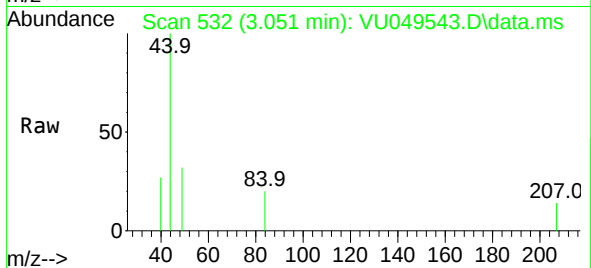
Ion Ratio Lower Upper

84 100

49 87.6 86.6 129.8

51 0.0 26.6 40.0#

86 0.0 50.6 75.8#



#28

Bromochloromethane

Concen: 2.009 ug/l

RT: 5.092 min Scan# 1167

Delta R.T. 0.125 min

Lab File: VU049543.D

Acq: 30 Jun 2022 04:19

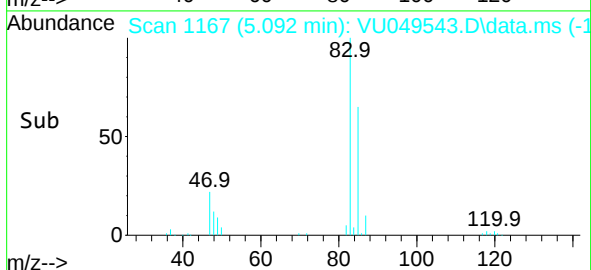
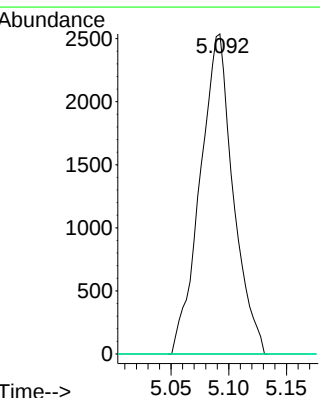
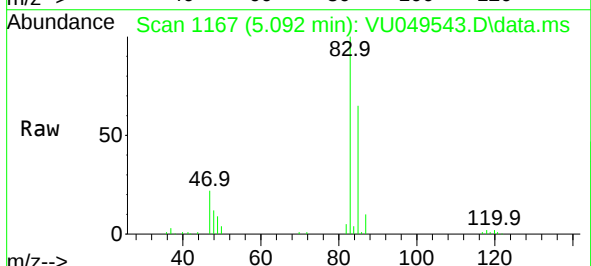
Tgt Ion: 49 Resp: 5064

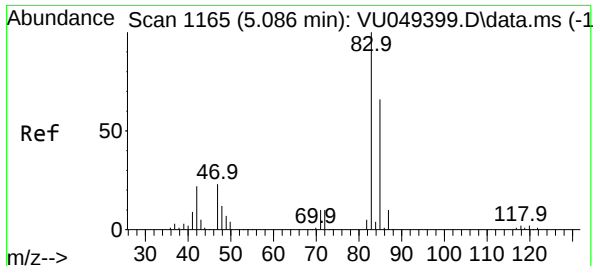
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 76.9 115.3#





#30

Chloroform

Concen: 11.316 ug/l

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU049543.D

Acq: 30 Jun 2022 04:19

Instrument :

MSVOA_U

ClientSampleId :

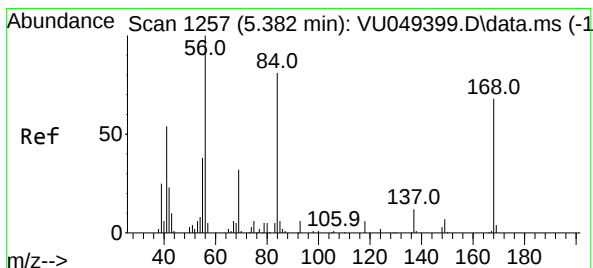
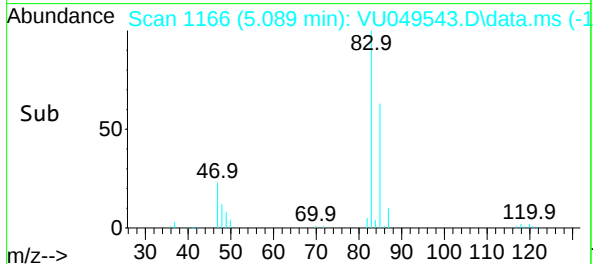
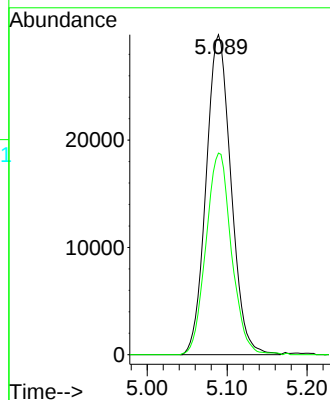
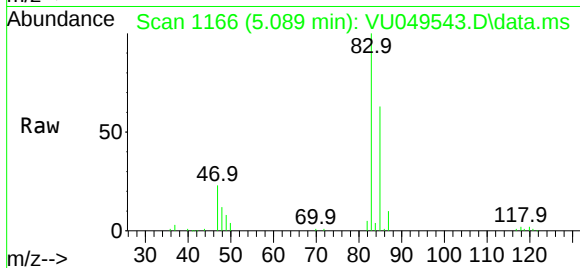
MW-4-20220627

Tgt Ion: 83 Resp: 64564

Ion Ratio Lower Upper

83 100

85 63.0 51.2 76.8



#31

Cyclohexane

Concen: 0.850 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.010 min

Lab File: VU049543.D

Acq: 30 Jun 2022 04:19

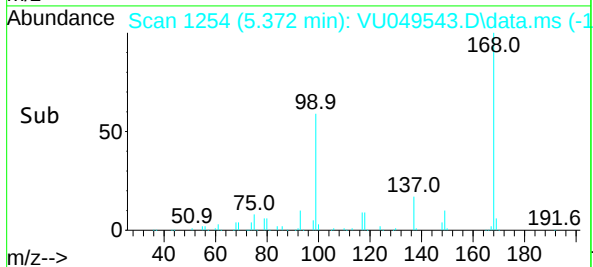
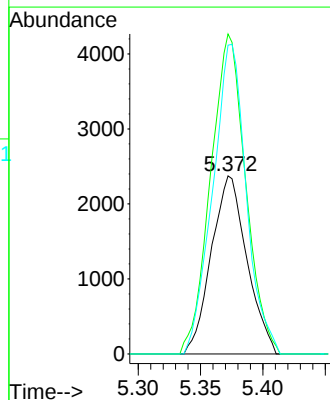
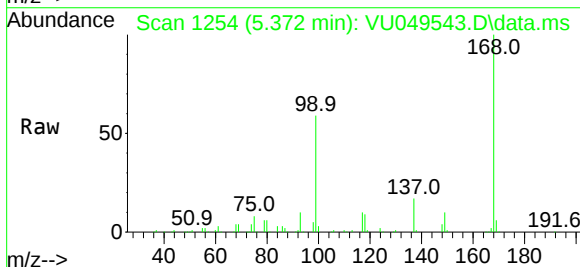
Tgt Ion: 56 Resp: 4711

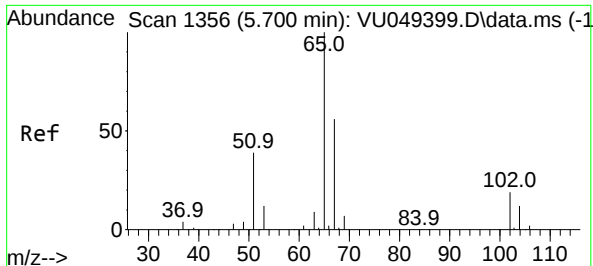
Ion Ratio Lower Upper

56 100

69 179.7 27.8 41.8#

84 173.4 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 46.238 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049543.D

Acq: 30 Jun 2022 04:19

Instrument :

MSVOA_U

ClientSampleId :

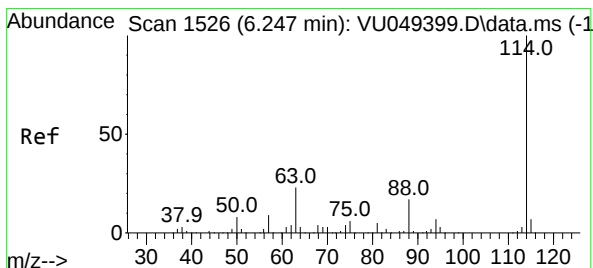
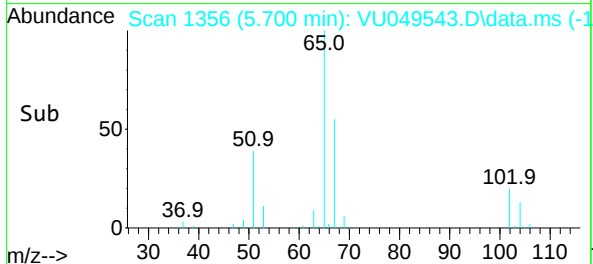
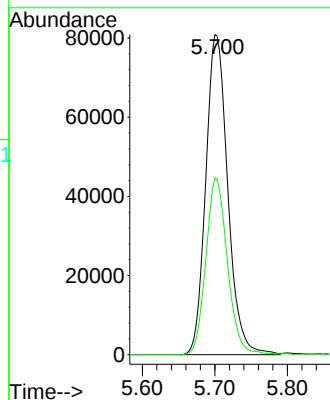
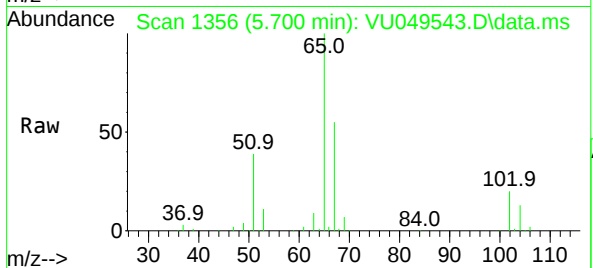
MW-4-20220627

Tgt Ion: 65 Resp: 170613

Ion Ratio Lower Upper

65 100

67 54.2 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. 0.003 min

Lab File: VU049543.D

Acq: 30 Jun 2022 04:19

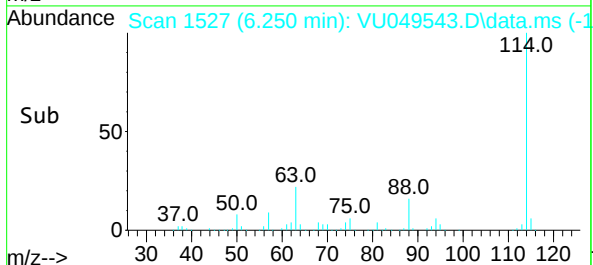
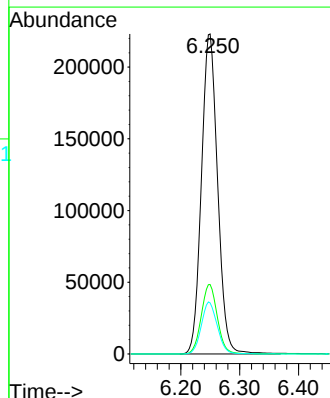
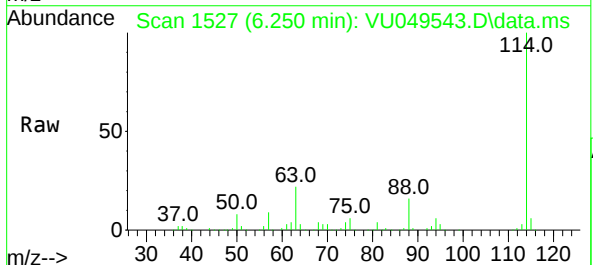
Tgt Ion: 114 Resp: 425573

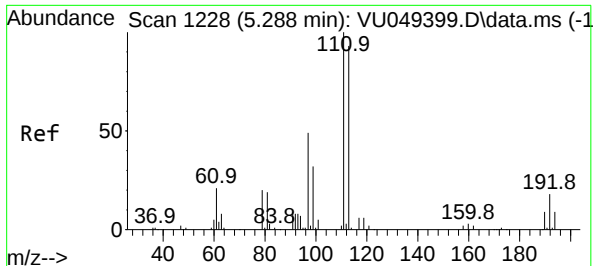
Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.8

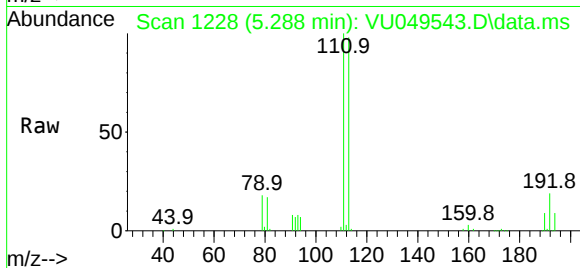
88 15.9 0.0 29.2



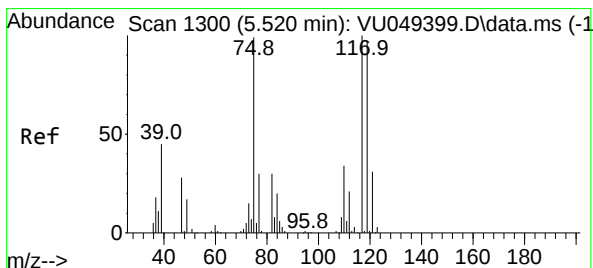
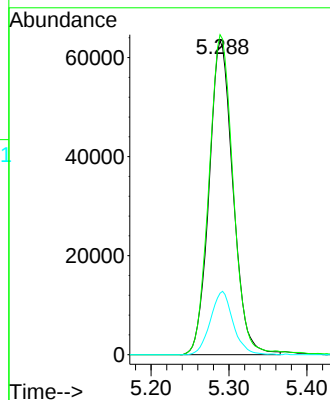
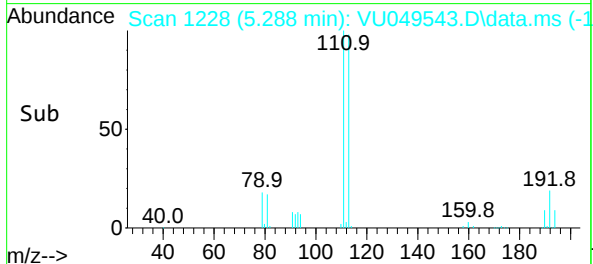


#35
Dibromofluoromethane
Concen: 45.440 ug/l
RT: 5.288 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049543.D
Acq: 30 Jun 2022 04:19

Instrument :
MSVOA_U
ClientSampleId :
MW-4-20220627

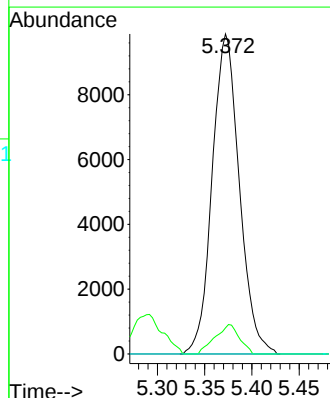
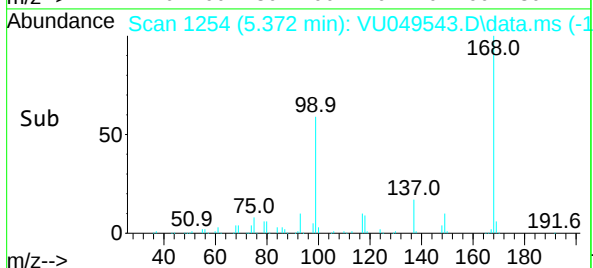
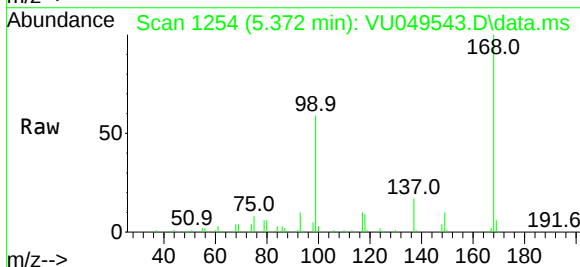


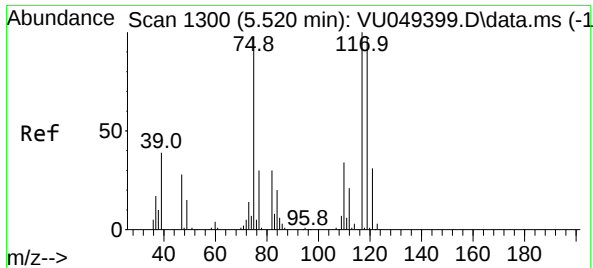
Tgt Ion:113 Resp: 135294
Ion Ratio Lower Upper
113 100
111 102.4 82.1 123.1
192 19.2 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.566 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049543.D
Acq: 30 Jun 2022 04:19

Tgt Ion: 75 Resp: 19712
Ion Ratio Lower Upper
75 100
110 8.2 18.4 55.2#
77 0.0 25.1 37.7#

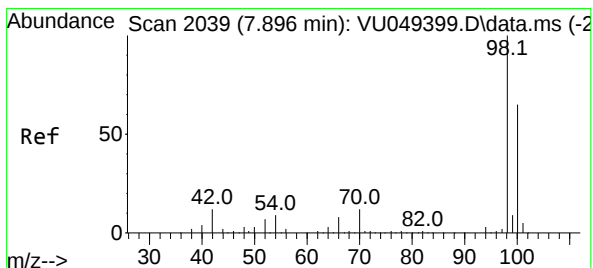
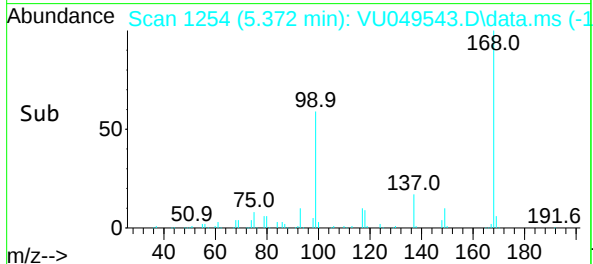
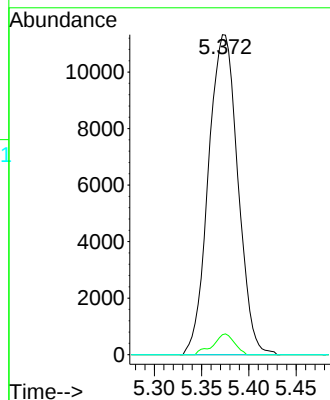
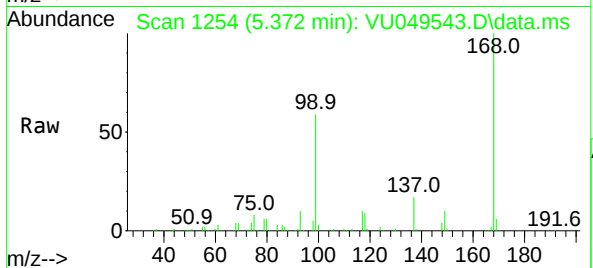




#38
Carbon Tetrachloride
Concen: 5.415 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU049543.D
Acq: 30 Jun 2022 04:19

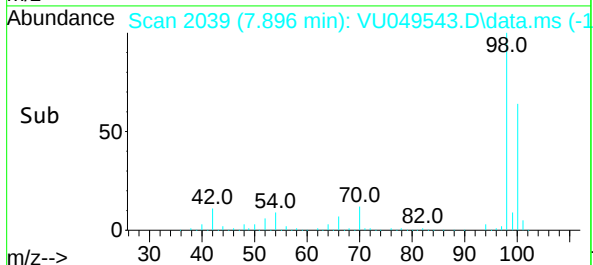
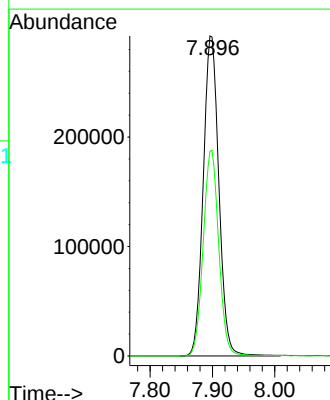
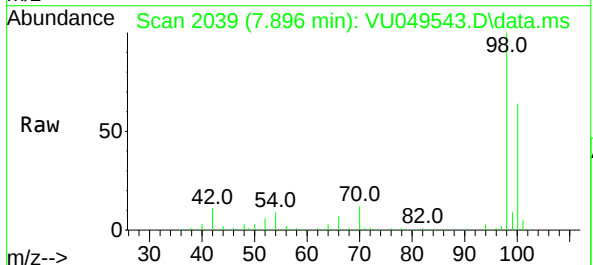
Instrument :
MSVOA_U
ClientSampleId :
MW-4-20220627

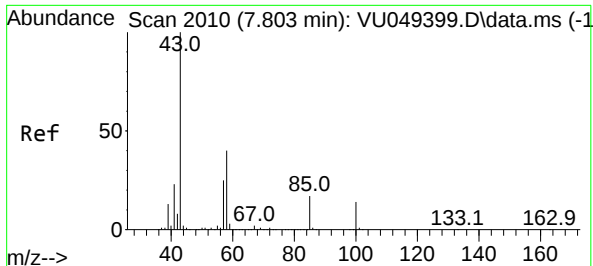
Tgt Ion:117 Resp: 24515
Ion Ratio Lower Upper
117 100
119 6.3 76.8 115.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 47.965 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049543.D
Acq: 30 Jun 2022 04:19

Tgt Ion: 98 Resp: 509375
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.401 ug/l

RT: 7.893 min Scan# 2010

Delta R.T. 0.090 min

Lab File: VU049543.D

Acq: 30 Jun 2022 04:19

Instrument :

MSVOA_U

ClientSampleId :

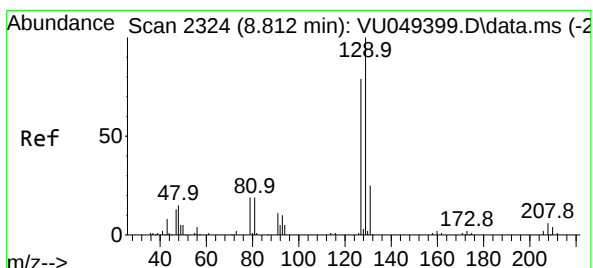
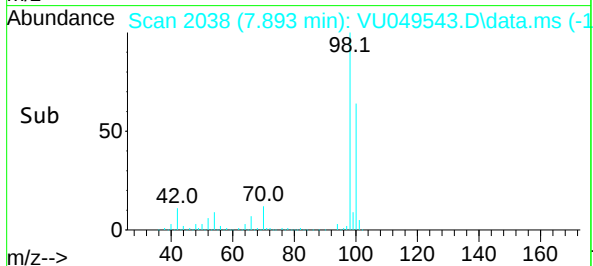
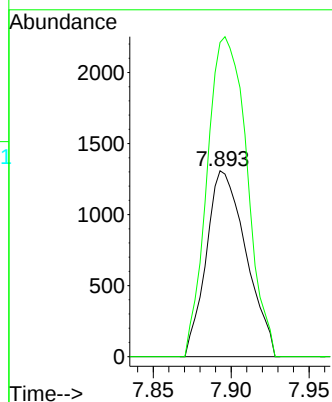
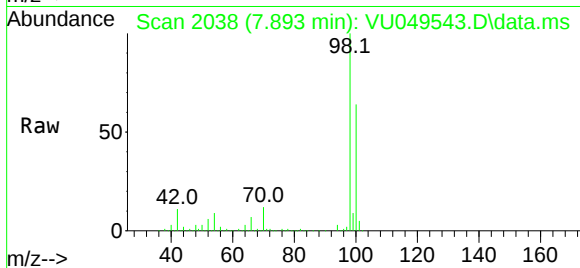
MW-4-20220627

Tgt Ion: 43 Resp: 2321

Ion Ratio Lower Upper

43 100

58 172.0 34.7 52.1#



#60

Dibromochloromethane

Concen: 0.639 ug/l

RT: 8.552 min Scan# 2243

Delta R.T. -0.260 min

Lab File: VU049543.D

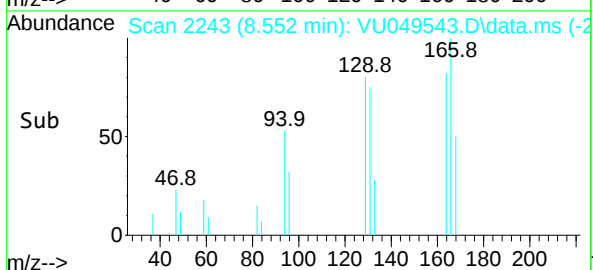
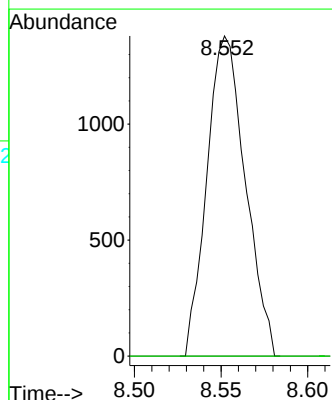
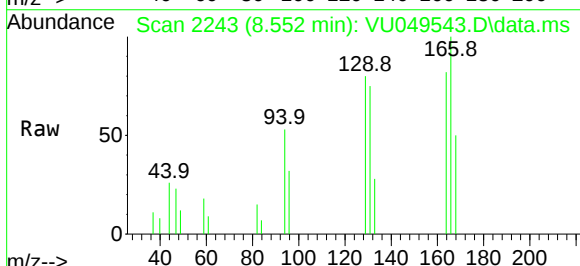
Acq: 30 Jun 2022 04:19

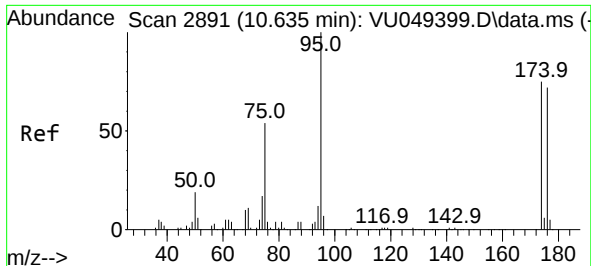
Tgt Ion: 129 Resp: 2129

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#

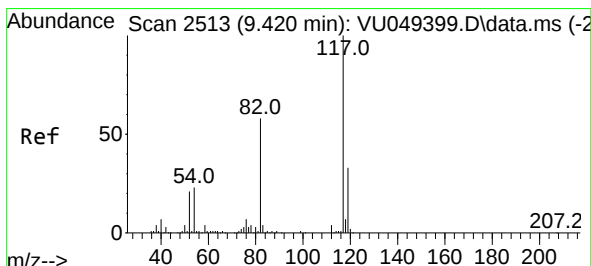
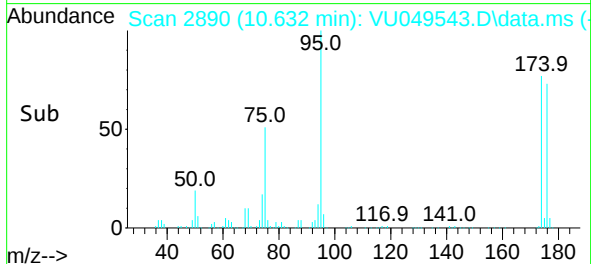
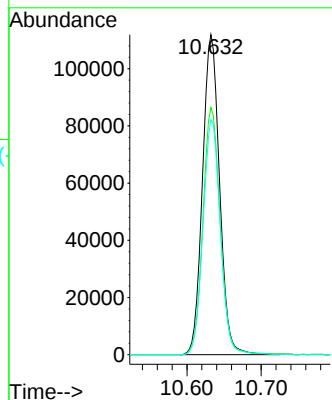
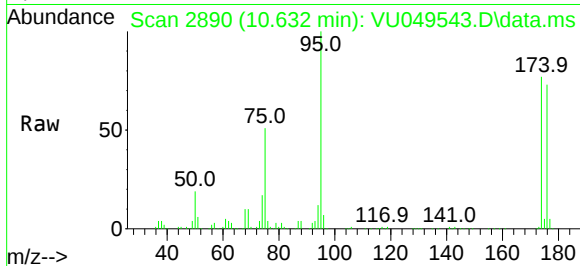




#62
4-Bromofluorobenzene
Concen: 43.853 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049543.D
Acq: 30 Jun 2022 04:19

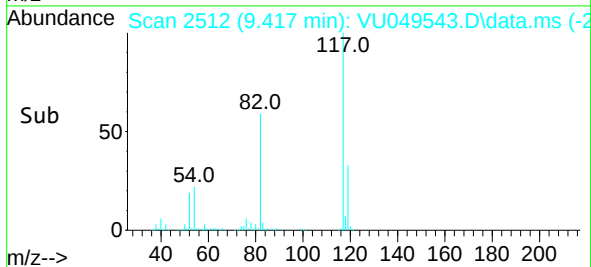
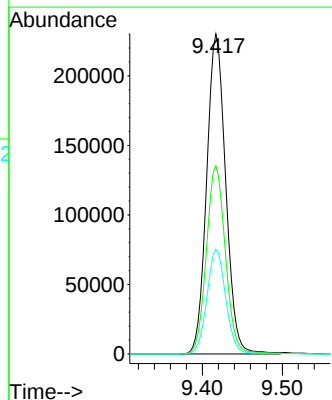
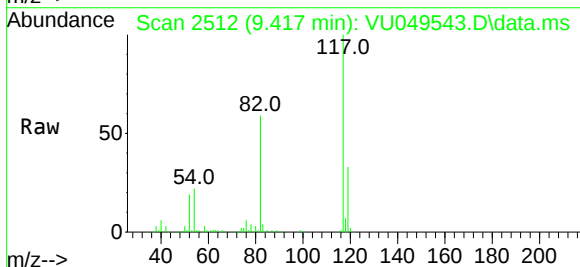
Instrument :
MSVOA_U
ClientSampleId :
MW-4-20220627

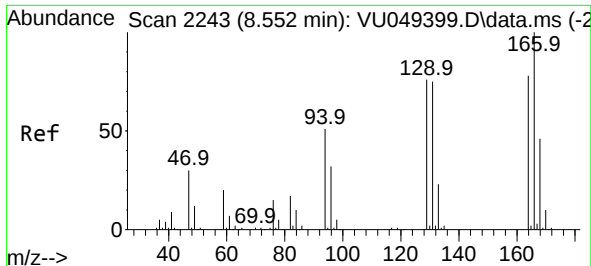
Tgt Ion: 95 Resp: 178397
Ion Ratio Lower Upper
95 100
174 78.2 0.0 182.0
176 74.5 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049543.D
Acq: 30 Jun 2022 04:19

Tgt Ion: 117 Resp: 381894
Ion Ratio Lower Upper
117 100
82 58.8 41.7 62.5
119 32.7 25.7 38.5

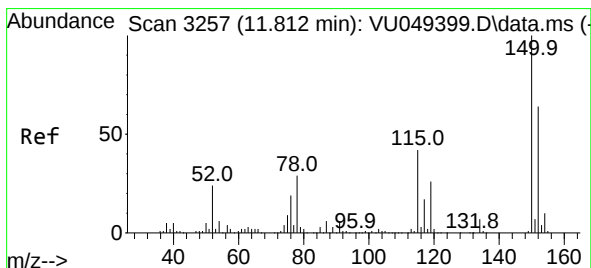
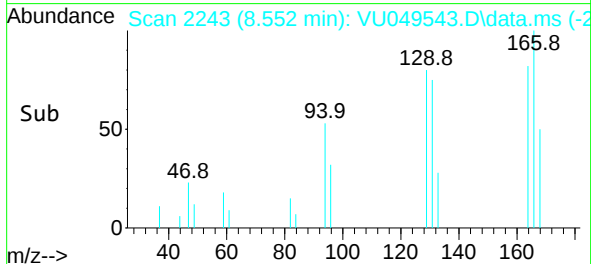
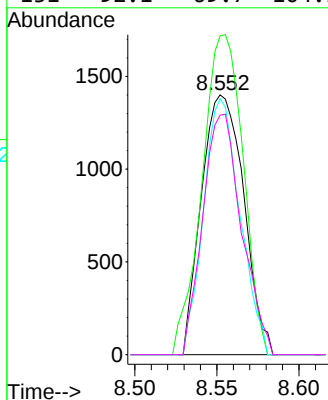
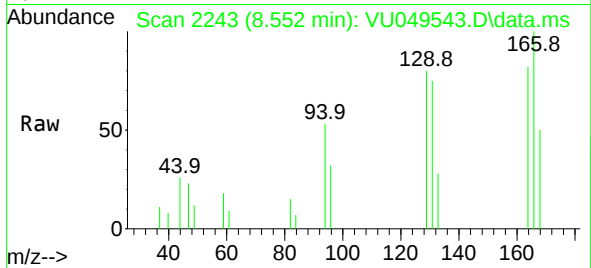




#64
Tetrachloroethene
Concen: 1.024 ug/l
RT: 8.552 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049543.D
Acq: 30 Jun 2022 04:19

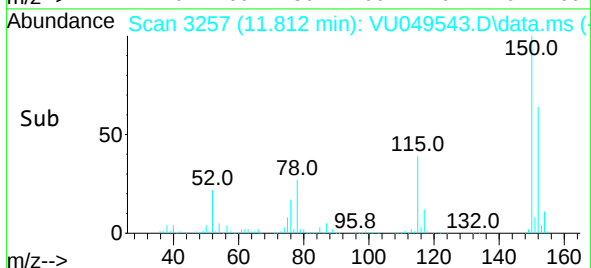
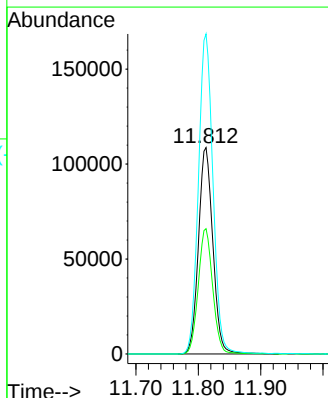
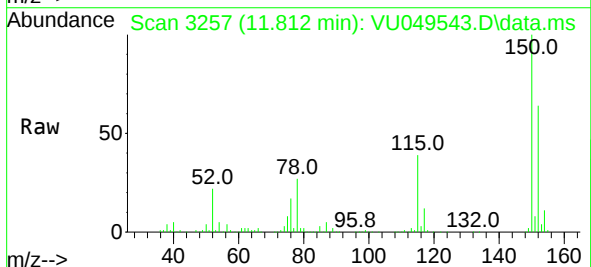
Instrument :
MSVOA_U
ClientSampleId :
MW-4-20220627

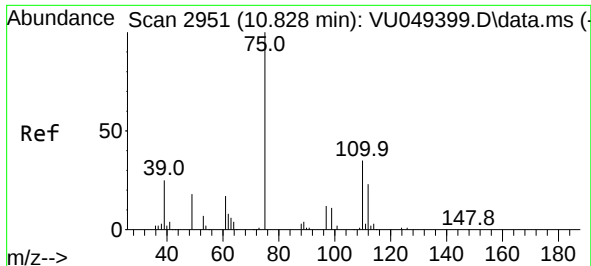
Tgt Ion:164 Resp: 2509
Ion Ratio Lower Upper
164 100
166 122.7 100.0 150.0
129 98.5 72.0 108.0
131 92.1 69.7 104.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049543.D
Acq: 30 Jun 2022 04:19

Tgt Ion:152 Resp: 174384
Ion Ratio Lower Upper
152 100
115 60.8 37.0 110.9
150 156.6 0.0 342.2

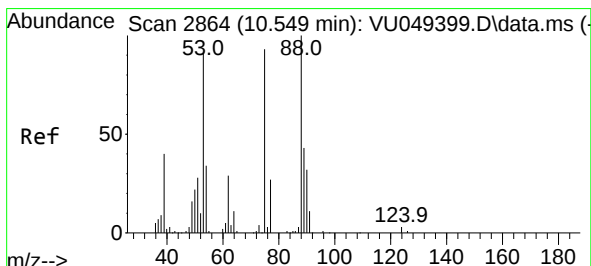
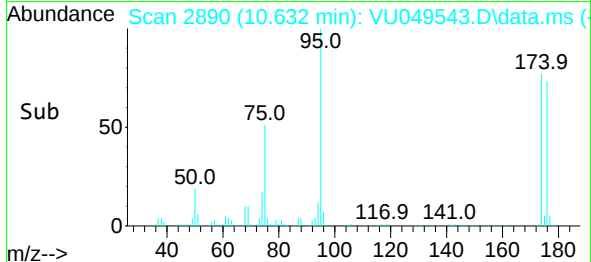
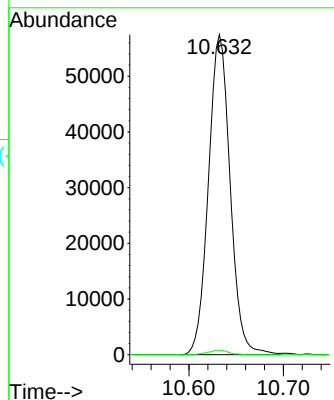
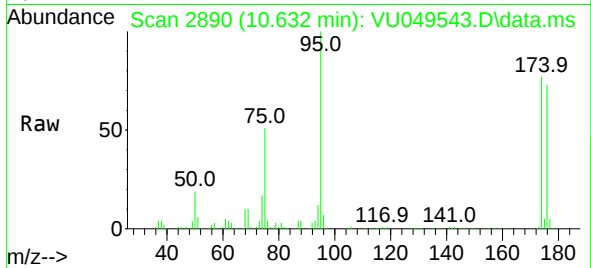




#76
1,2,3-Trichloropropane
Concen: 15.530 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049543.D
Acq: 30 Jun 2022 04:19

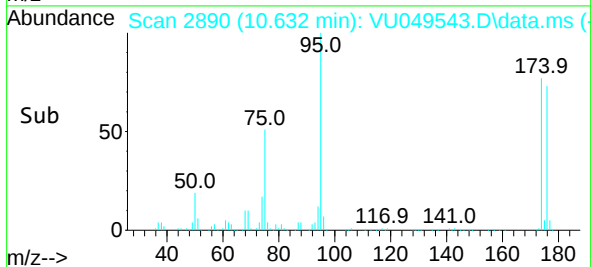
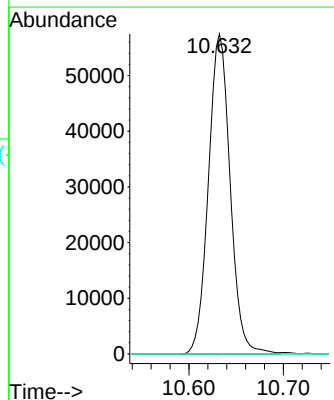
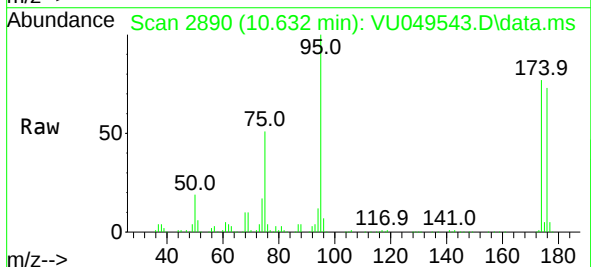
Instrument :
MSVOA_U
ClientSampleId :
MW-4-20220627

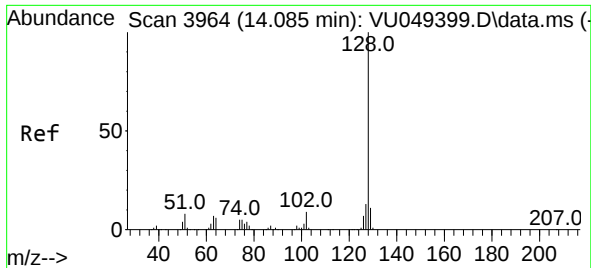
Tgt Ion: 75 Resp: 91804
Ion Ratio Lower Upper
75 100
77 1.3 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.350 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049543.D
Acq: 30 Jun 2022 04:19

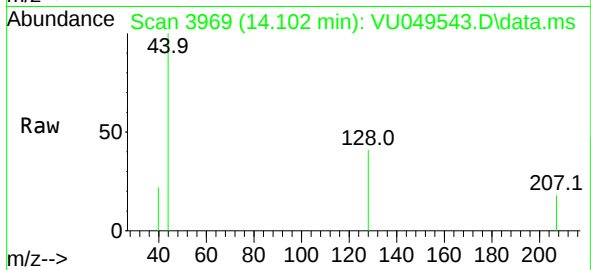
Tgt Ion: 75 Resp: 91804
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#





#95
 Naphthalene
 Concen: 1.764 ug/l
 RT: 14.102 min Scan# 3969
 Delta R.T. 0.016 min
 Lab File: VU049543.D
 Acq: 30 Jun 2022 04:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4-20220627



Tgt Ion:	128	Resp:	398
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

