

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062722\
 Data File : VU049438.D
 Acq On : 28 Jun 2022 05:49
 Operator : SY/MD
 Sample : N3482-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-35

Quant Time: Jun 28 07:16:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 05:14:22 2022
 Response via : Initial Calibration

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

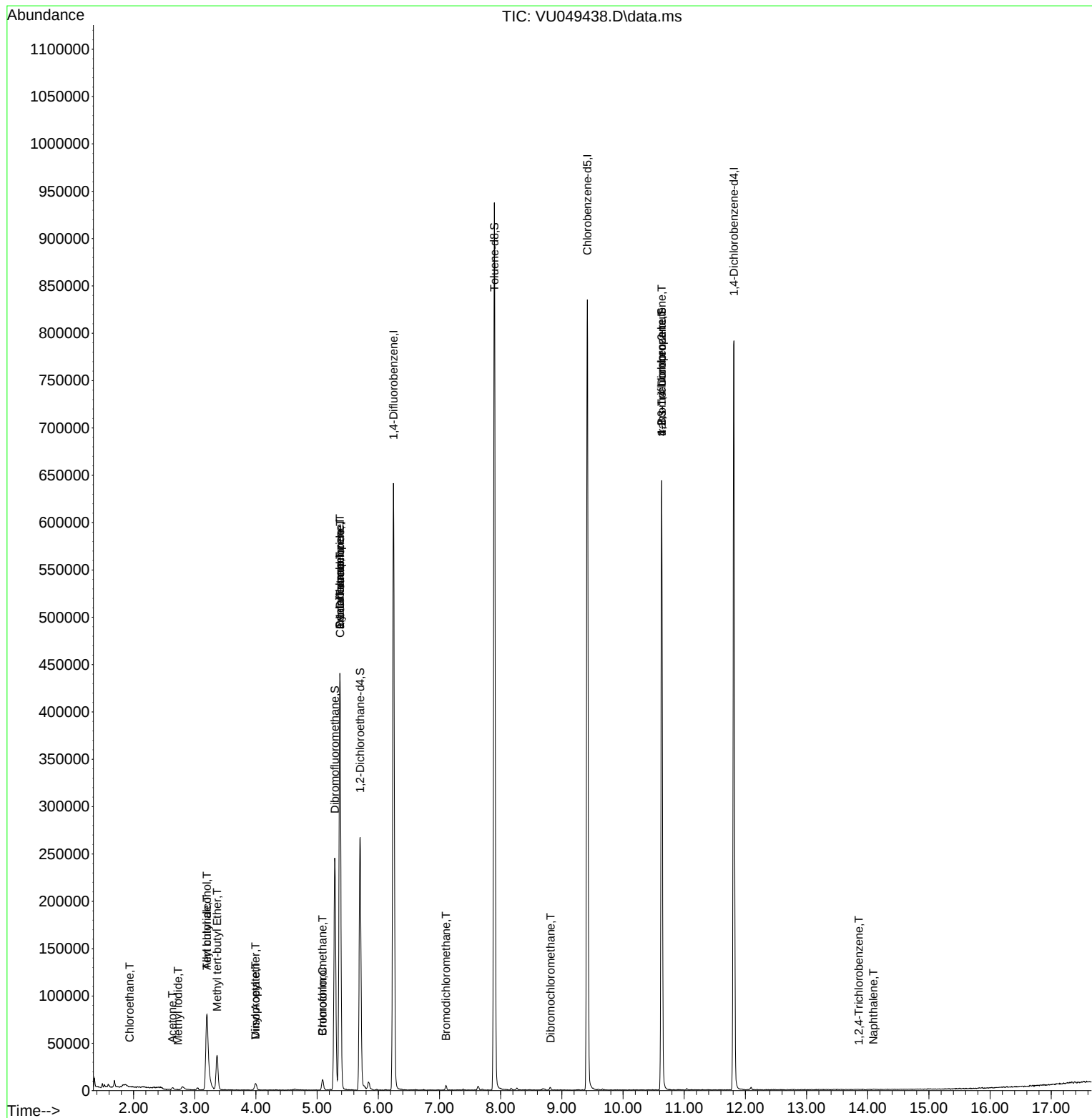
Internal Standards						
1) Pentafluorobenzene	5.372	168	304464	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	523298	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	464463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.813	152	210624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	201358	42.943	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.880%
35) Dibromofluoromethane	5.289	113	163522	44.664	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.320%
50) Toluene-d8	7.896	98	622943	47.705	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.400%
62) 4-Bromofluorobenzene	10.632	95	221874	44.355	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.720%
Target Compounds						
						Qvalue
3) Chloromethane	1.520	50	2142	Below Cal		91
6) Chloroethane	1.935	64	40	1.932	ug/l #	44
10) Methyl Iodide	2.726	142	42	7.524	ug/l #	43
11) Tert butyl alcohol	3.199	59	141330	128.775	ug/l #	53
14) Allyl chloride	3.199	41	14822	2.218	ug/l #	56
16) Acetone	2.636	43	2547	1.077	ug/l	96
19) Methyl tert-butyl Ether	3.366	73	42034	3.418	ug/l	98
20) Methylene Chloride	3.044	84	632	Below Cal	#	80
22) Diisopropyl ether	3.993	45	7495	0.587	ug/l #	50
23) Vinyl Acetate	3.993	43	3858	0.345	ug/l #	69
28) Bromochloromethane	5.086	49	669	0.209	ug/l #	4
30) Chloroform	5.086	83	10822	1.493	ug/l	97
31) Cyclohexane	5.372	56	6301	0.895	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	24106	4.541	ug/l #	48
38) Carbon Tetrachloride	5.375	117	30737	5.521	ug/l #	16
47) Bromodichloromethane	7.105	83	3206	0.563	ug/l	89
60) Dibromochloromethane	8.816	129	1708	0.417	ug/l	89
76) 1,2,3-Trichloropropane	10.632	75	112569	15.766	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	112569	58.222	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.854	180	74	1.769	ug/l #	12
95) Naphthalene	14.092	128	201	1.748	ug/l #	69

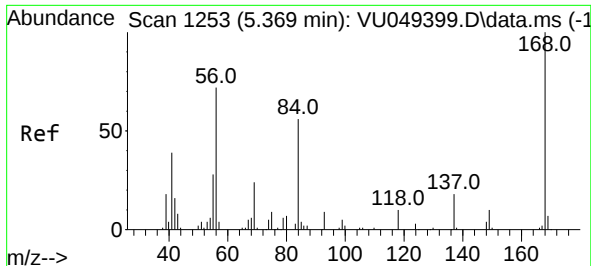
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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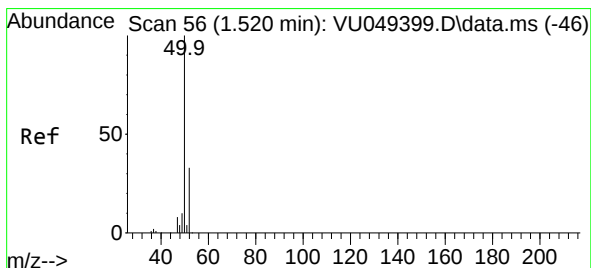
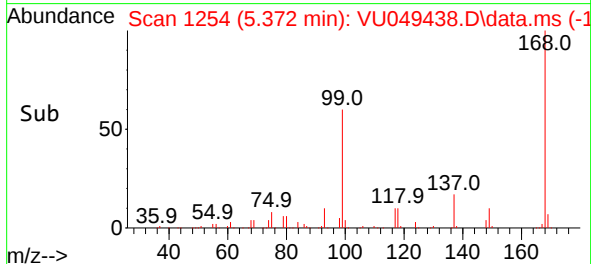
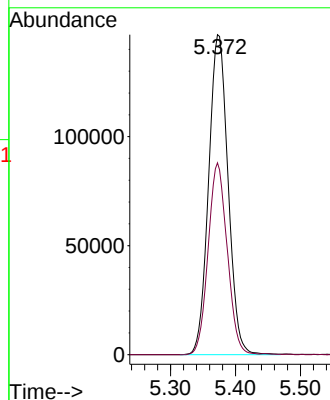
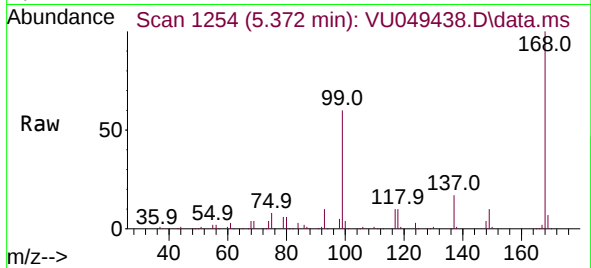




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049438.D
Acq: 28 Jun 2022 05:49

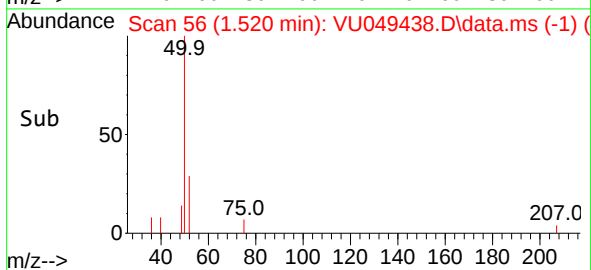
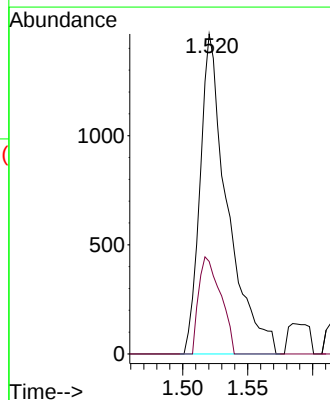
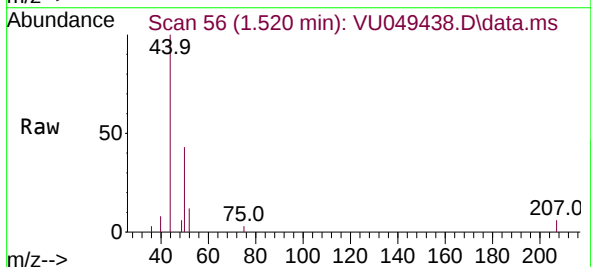
Instrument :
MSVOA_U
ClientSampleId :
MW-35

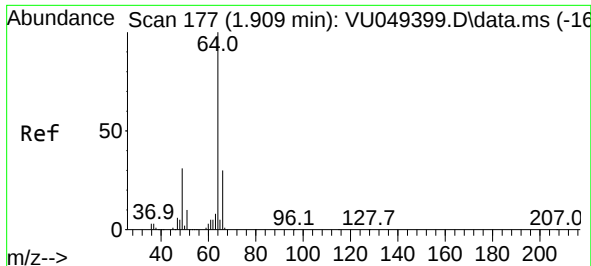
Tgt Ion:168 Resp: 304464
Ion Ratio Lower Upper
168 100
99 59.9 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049438.D
Acq: 28 Jun 2022 05:49

Tgt Ion: 50 Resp: 2142
Ion Ratio Lower Upper
50 100
52 28.9 27.4 41.2

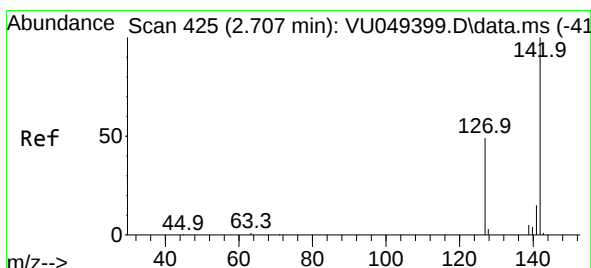
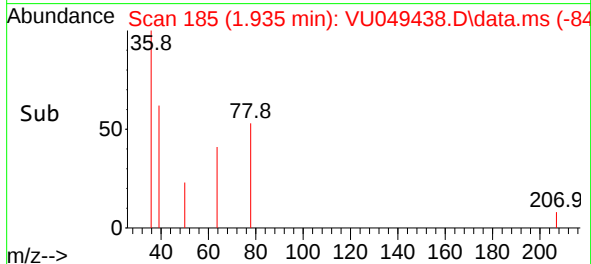
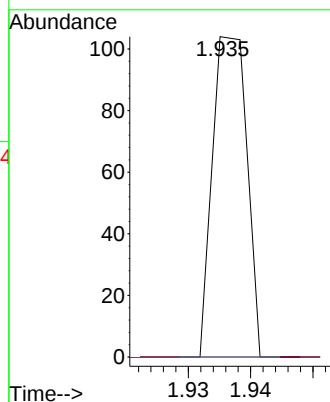
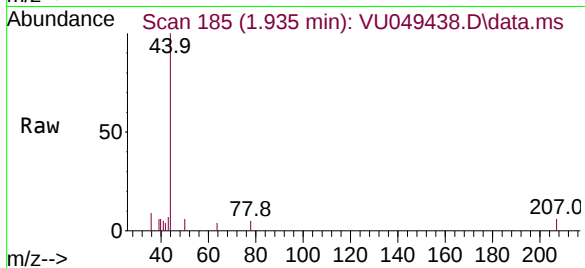




#6
Chloroethane
Concen: 1.932 ug/l
RT: 1.935 min Scan# 11
Delta R.T. 0.026 min
Lab File: VU049438.D
Acq: 28 Jun 2022 05:49

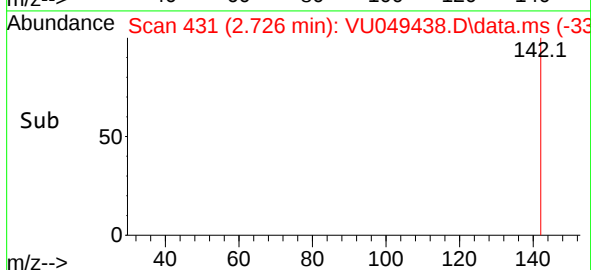
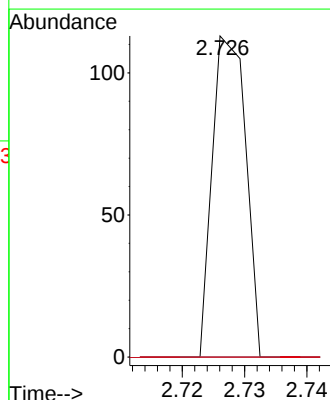
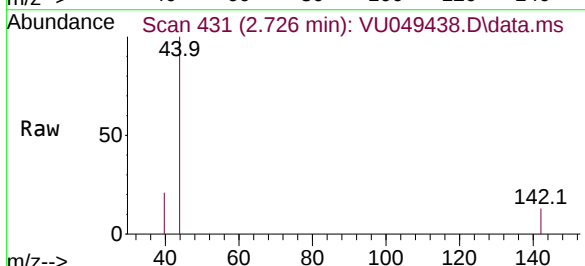
Instrument :
MSVOA_U
ClientSampleId :
MW-35

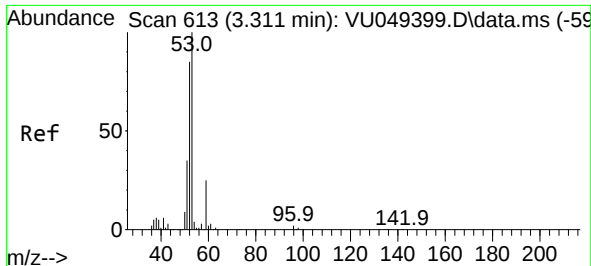
Tgt Ion: 64 Resp: 40
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#10
Methyl Iodide
Concen: 7.524 ug/l
RT: 2.726 min Scan# 431
Delta R.T. 0.020 min
Lab File: VU049438.D
Acq: 28 Jun 2022 05:49

Tgt Ion: 142 Resp: 42
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#

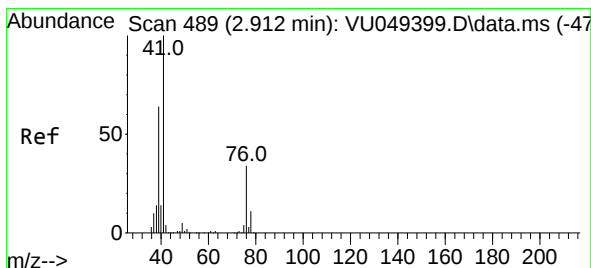
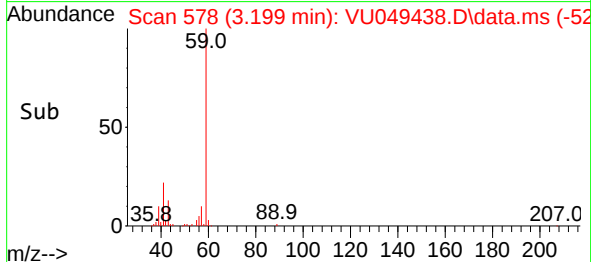
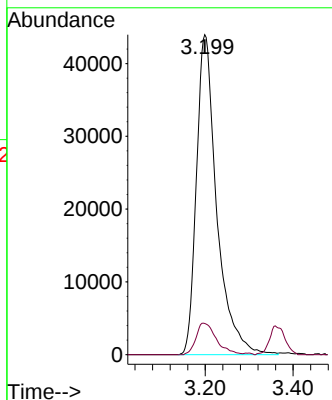
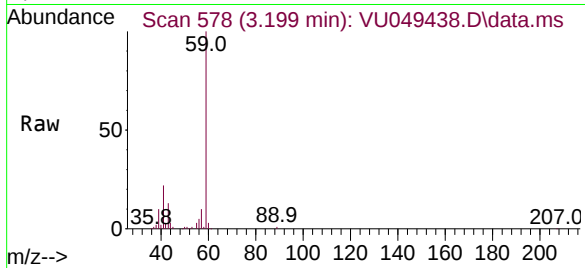




#11
Tert butyl alcohol
Concen: 128.775 ug/l
RT: 3.199 min Scan# 51
Delta R.T. -0.112 min
Lab File: VU049438.D
Acq: 28 Jun 2022 05:49

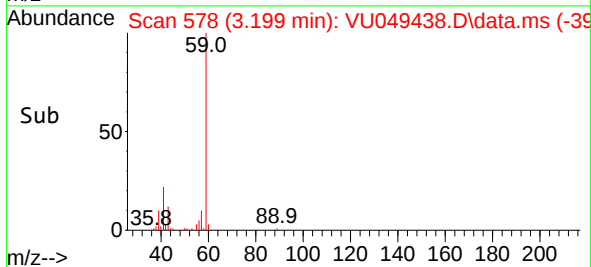
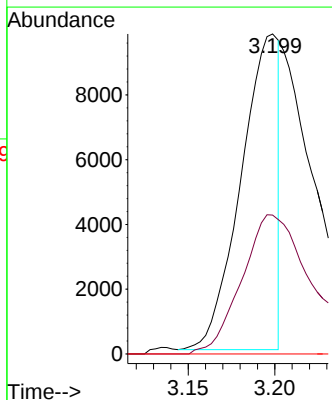
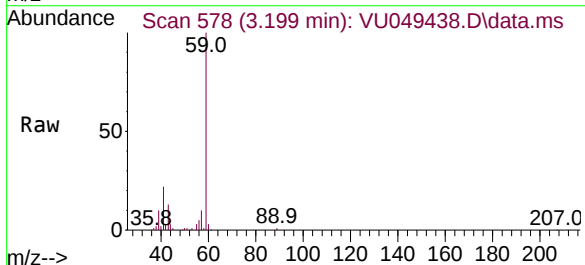
Instrument :
MSVOA_U
ClientSampleId :
MW-35

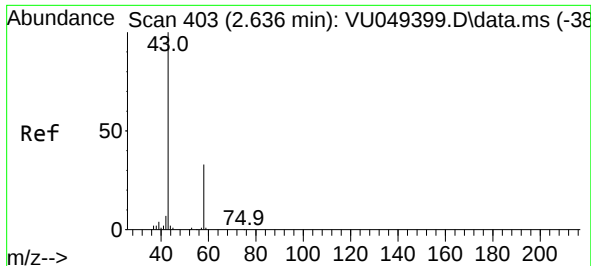
Tgt Ion: 59 Resp: 141330
Ion Ratio Lower Upper
59 100
57 9.9 30.6 45.8#



#14
Allyl chloride
Concen: 2.218 ug/l
RT: 3.199 min Scan# 578
Delta R.T. 0.286 min
Lab File: VU049438.D
Acq: 28 Jun 2022 05:49

Tgt Ion: 41 Resp: 14822
Ion Ratio Lower Upper
41 100
39 43.3 53.4 80.2#
76 0.0 33.8 50.6#





#16

Acetone

Concen: 1.077 ug/l

RT: 2.636 min Scan# 403

Delta R.T. 0.000 min

Lab File: VU049438.D

Acq: 28 Jun 2022 05:49

Instrument :

MSVOA_U

ClientSampleId :

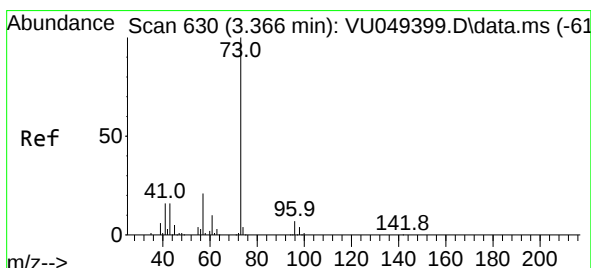
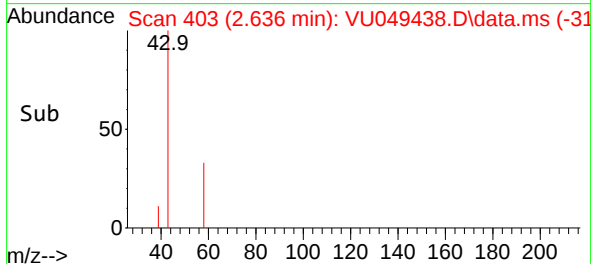
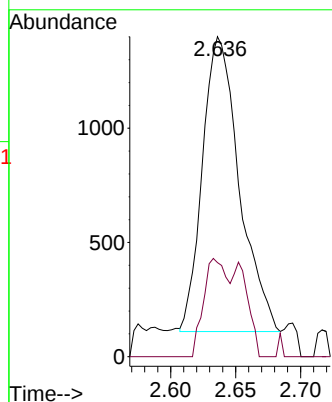
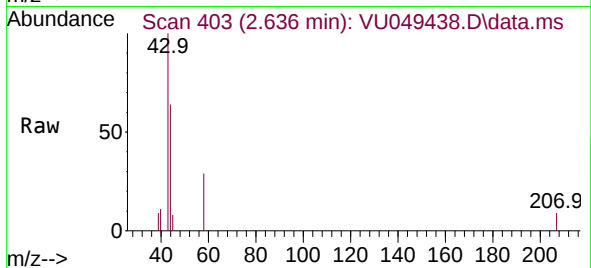
MW-35

Tgt Ion: 43 Resp: 2547

Ion Ratio Lower Upper

43 100

58 31.9 27.5 41.3



#19

Methyl tert-butyl Ether

Concen: 3.418 ug/l

RT: 3.366 min Scan# 630

Delta R.T. 0.000 min

Lab File: VU049438.D

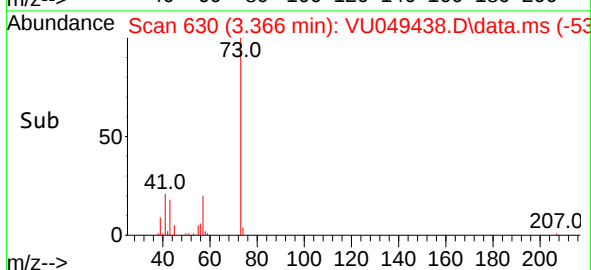
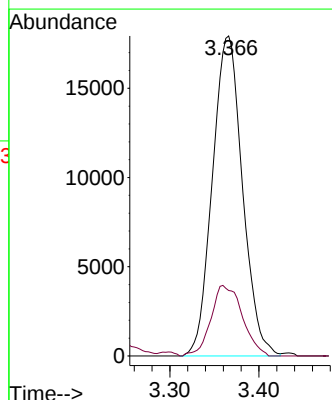
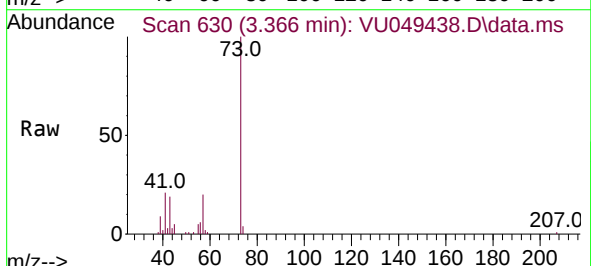
Acq: 28 Jun 2022 05:49

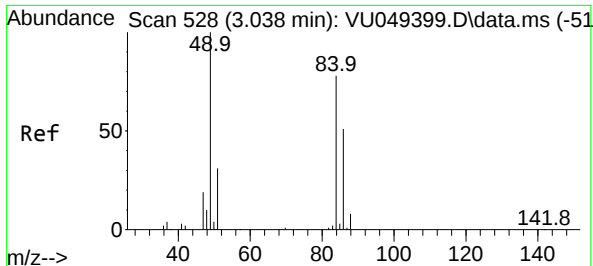
Tgt Ion: 73 Resp: 42034

Ion Ratio Lower Upper

73 100

57 20.4 17.1 25.7

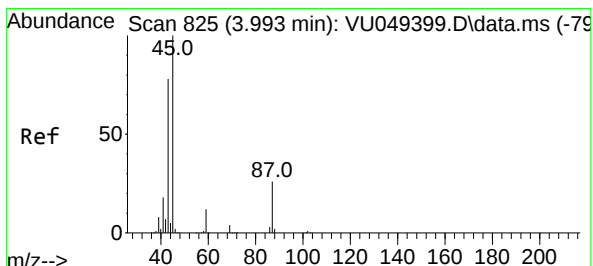
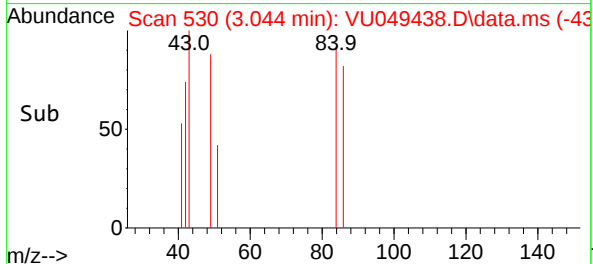
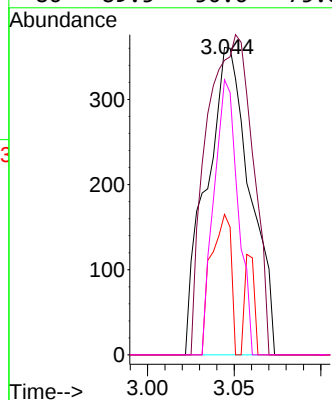
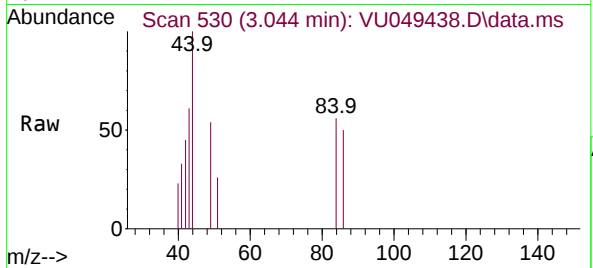




#20
Methylene Chloride
Concen: Below Cal
RT: 3.044 min Scan# 51
Delta R.T. 0.007 min
Lab File: VU049438.D
Acq: 28 Jun 2022 05:49

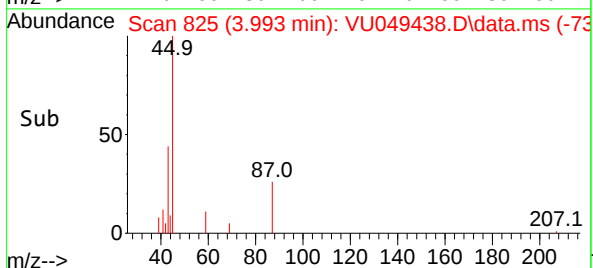
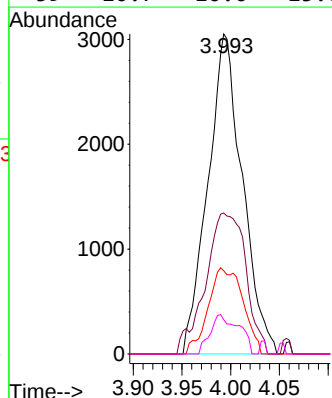
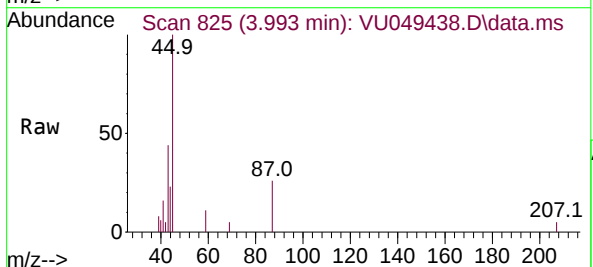
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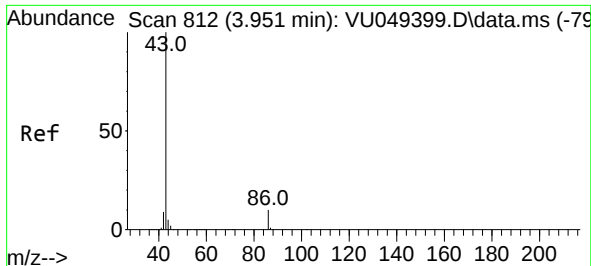
Tgt Ion: 84 Resp: 632
Ion Ratio Lower Upper
84 100
49 95.8 86.6 129.8
51 45.7 26.6 40.0#
86 89.5 50.6 75.8#



#22
Diisopropyl ether
Concen: 0.587 ug/l
RT: 3.993 min Scan# 825
Delta R.T. 0.000 min
Lab File: VU049438.D
Acq: 28 Jun 2022 05:49

Tgt Ion: 45 Resp: 7495
Ion Ratio Lower Upper
45 100
43 44.0 92.9 139.3#
87 26.0 26.2 39.2#
59 10.7 10.0 15.0

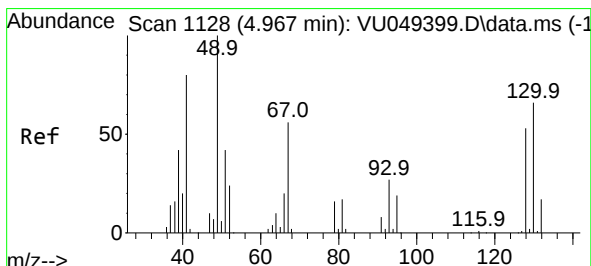
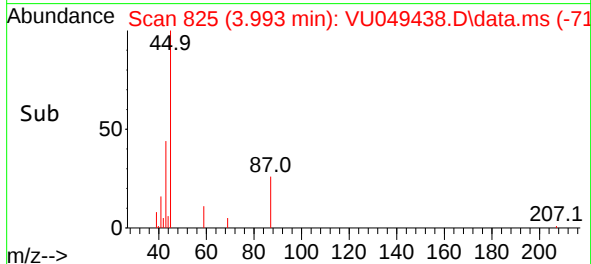
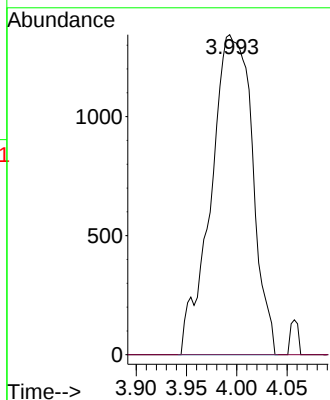
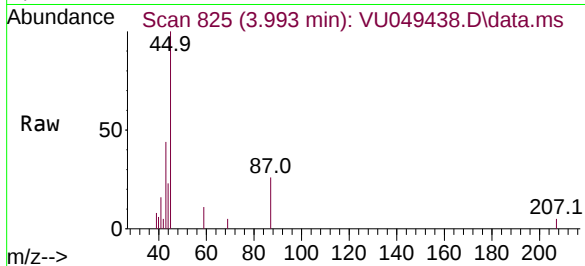




#23
 Vinyl Acetate
 Concen: 0.345 ug/l
 RT: 3.993 min Scan# 81
 Delta R.T. 0.042 min
 Lab File: VU049438.D
 Acq: 28 Jun 2022 05:49

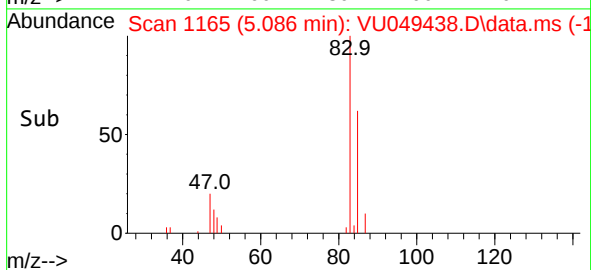
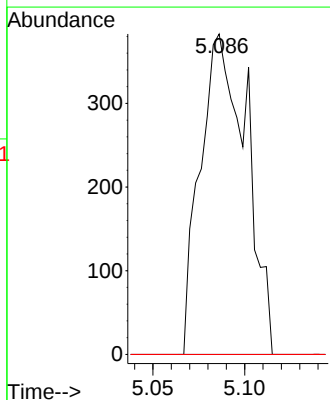
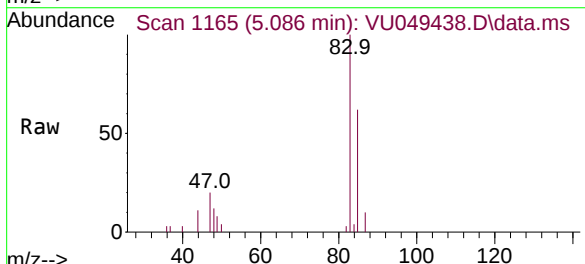
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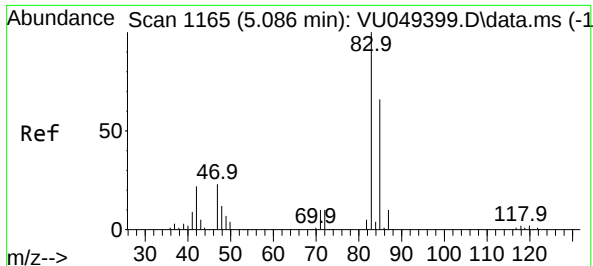
Tgt Ion: 43 Resp: 3858
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.8#



#28
 Bromochloromethane
 Concen: 0.209 ug/l
 RT: 5.086 min Scan# 1165
 Delta R.T. 0.119 min
 Lab File: VU049438.D
 Acq: 28 Jun 2022 05:49

Tgt Ion: 49 Resp: 669
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.6
 130 0.0 76.9 115.3#





#30

Chloroform

Concen: 1.493 ug/l

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU049438.D

Acq: 28 Jun 2022 05:49

Instrument :

MSVOA_U

ClientSampleId :

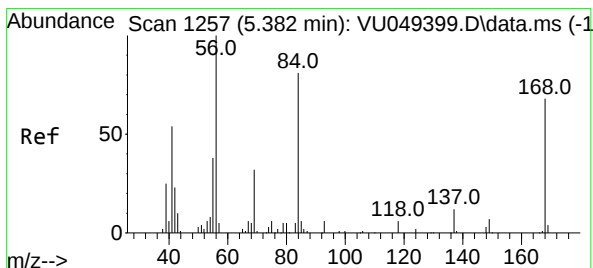
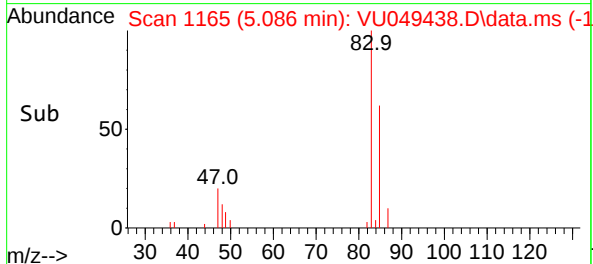
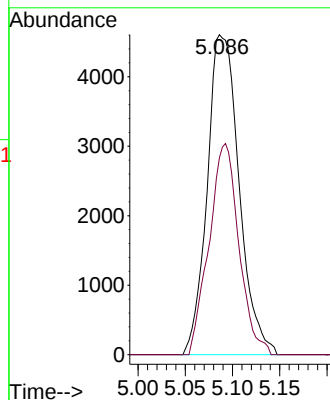
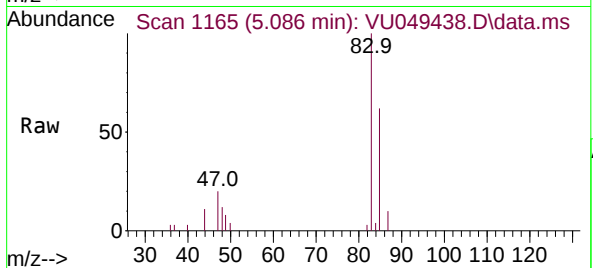
MW-35

Tgt Ion: 83 Resp: 10822

Ion Ratio Lower Upper

83 100

85 61.5 51.2 76.8



#31

Cyclohexane

Concen: 0.895 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.009 min

Lab File: VU049438.D

Acq: 28 Jun 2022 05:49

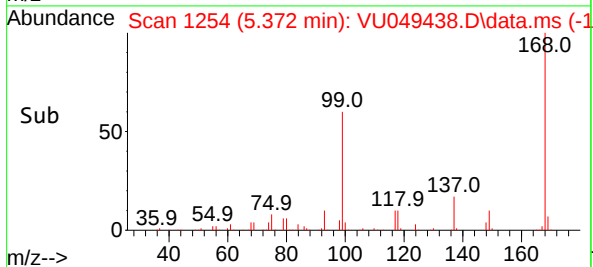
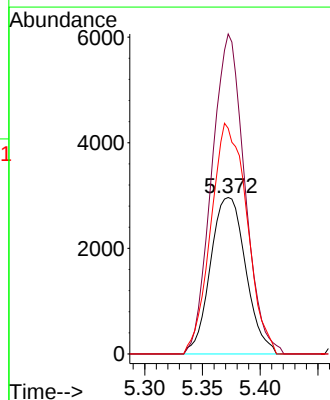
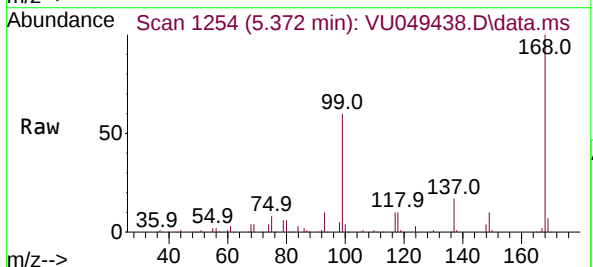
Tgt Ion: 56 Resp: 6301

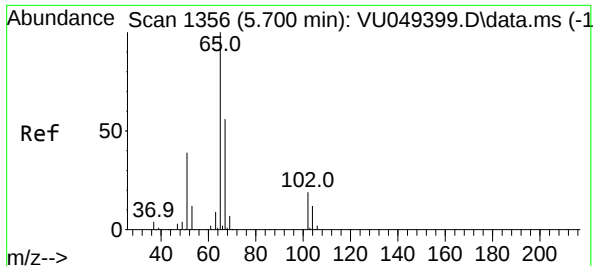
Ion Ratio Lower Upper

56 100

69 204.5 27.8 41.8#

84 144.2 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 42.943 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049438.D

Acq: 28 Jun 2022 05:49

Instrument :

MSVOA_U

ClientSampleId :

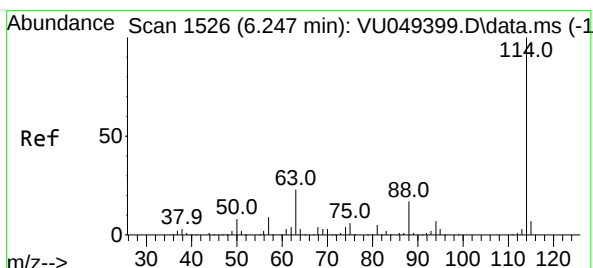
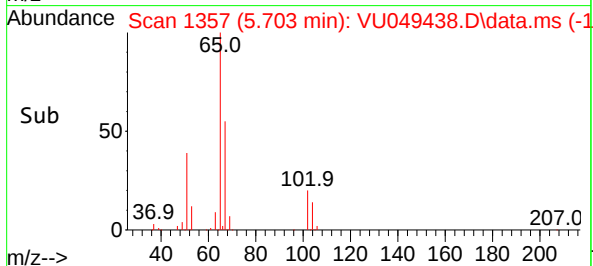
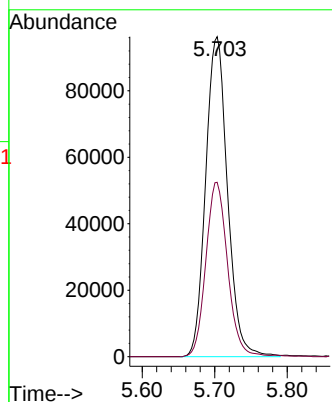
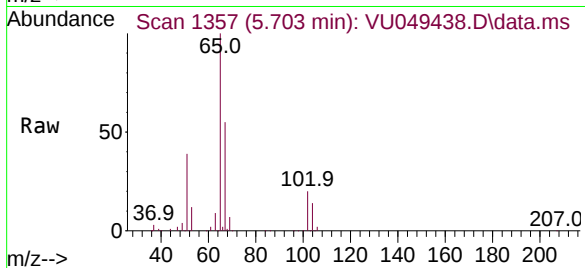
MW-35

Tgt Ion: 65 Resp: 201358

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: VU049438.D

Acq: 28 Jun 2022 05:49

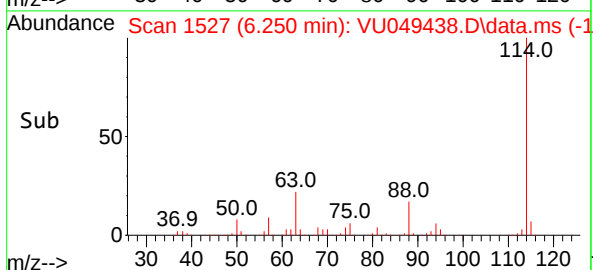
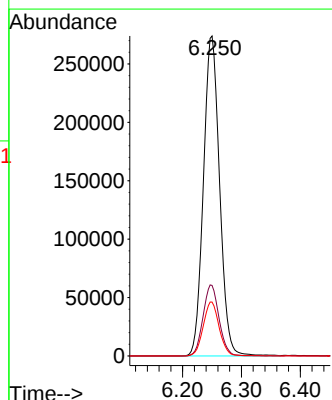
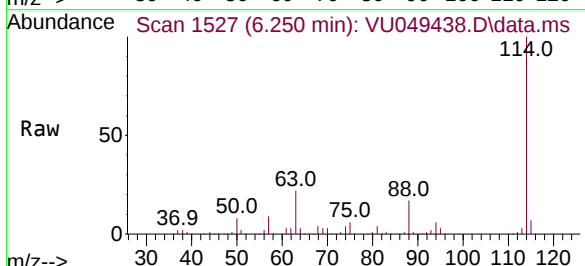
Tgt Ion: 114 Resp: 523298

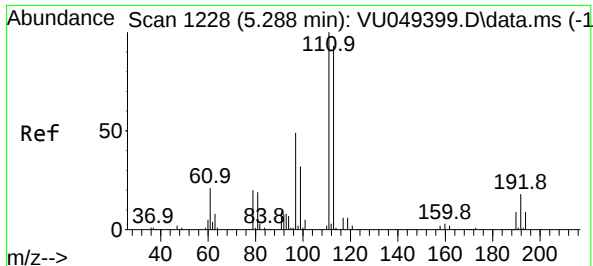
Ion Ratio Lower Upper

114 100

63 22.1 0.0 37.8

88 16.9 0.0 29.2





#35

Dibromofluoromethane

Concen: 44.664 ug/l

RT: 5.289 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049438.D

Acq: 28 Jun 2022 05:49

Instrument :

MSVOA_U

ClientSampleId :

MW-35

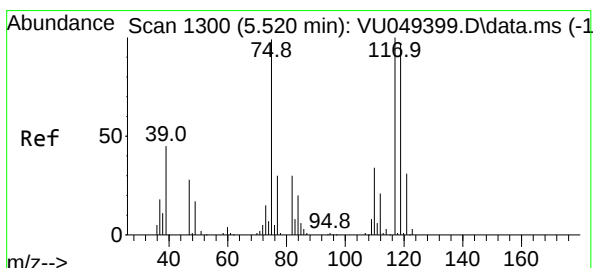
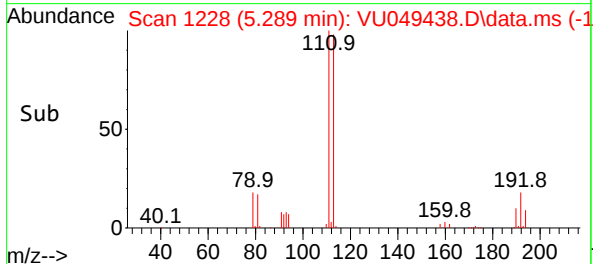
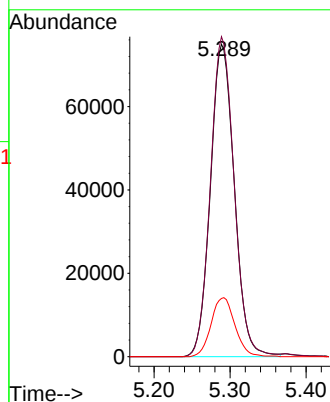
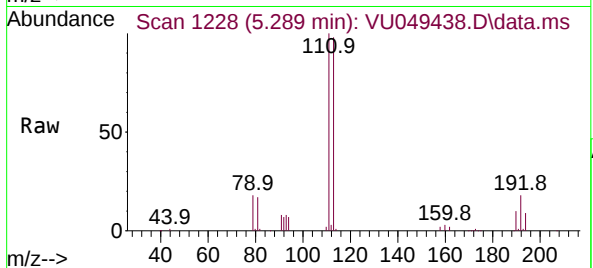
Tgt Ion:113 Resp: 163522

Ion Ratio Lower Upper

113 100

111 101.3 82.1 123.1

192 18.8 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.541 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049438.D

Acq: 28 Jun 2022 05:49

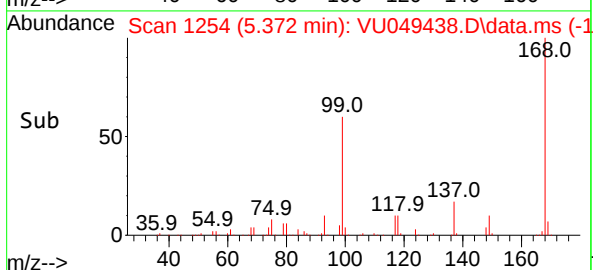
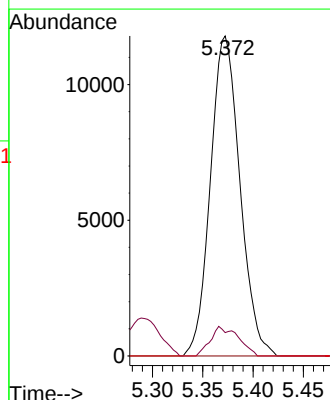
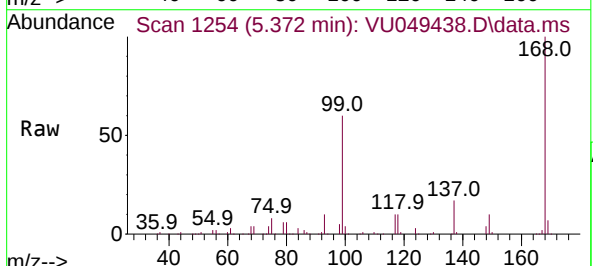
Tgt Ion: 75 Resp: 24106

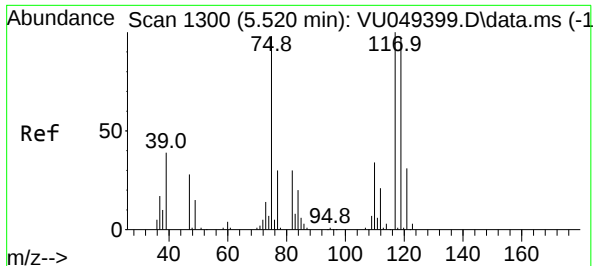
Ion Ratio Lower Upper

75 100

110 8.7 18.4 55.2#

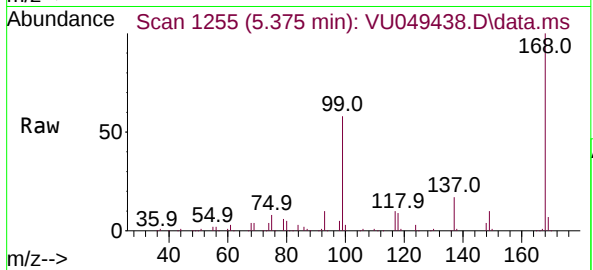
77 0.0 25.1 37.7#



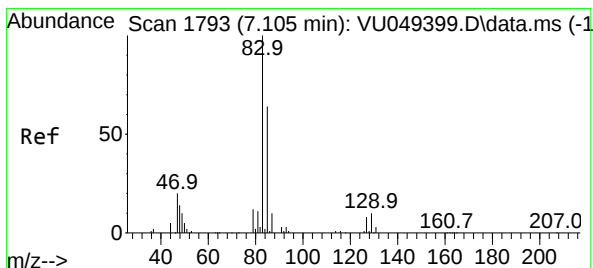
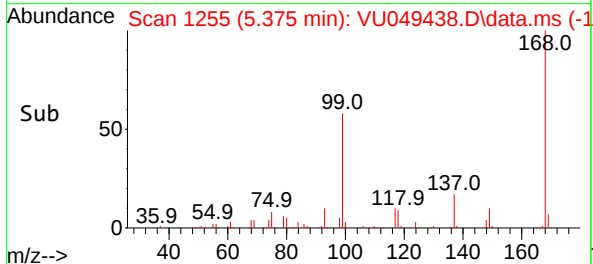
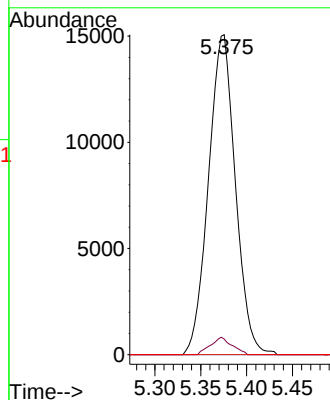


#38
Carbon Tetrachloride
Concen: 5.521 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.144 min
Lab File: VU049438.D
Acq: 28 Jun 2022 05:49

Instrument :
MSVOA_U
ClientSampleId :
MW-35

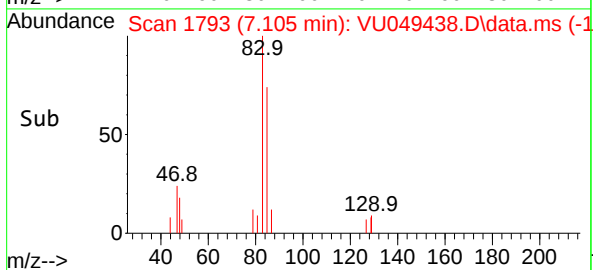
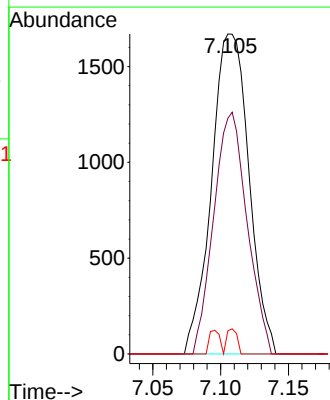
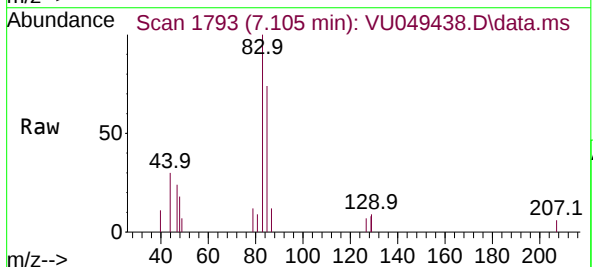


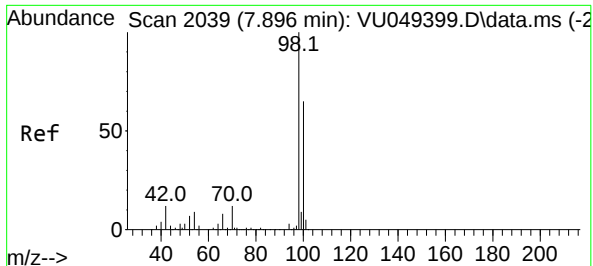
Tgt Ion:117 Resp: 30737
Ion Ratio Lower Upper
117 100
119 4.9 76.8 115.2#
121 0.0 24.7 37.1#



#47
Bromodichloromethane
Concen: 0.563 ug/l
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU049438.D
Acq: 28 Jun 2022 05:49

Tgt Ion: 83 Resp: 3206
Ion Ratio Lower Upper
83 100
85 73.7 51.4 77.2
127 7.2 7.1 10.7

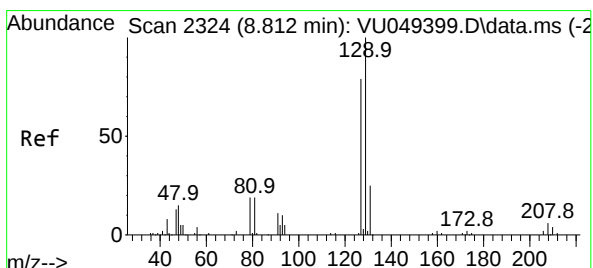
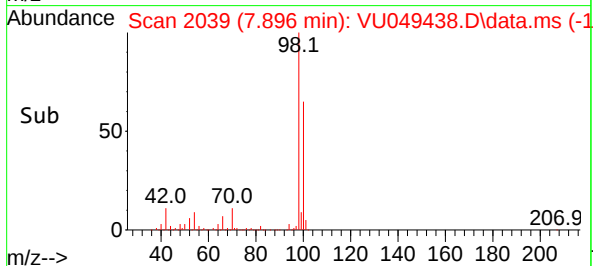
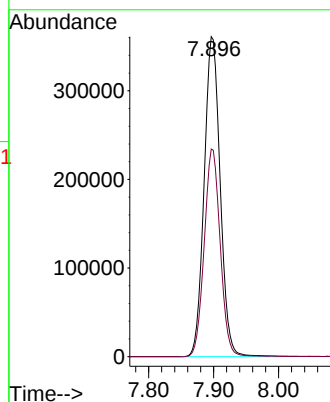
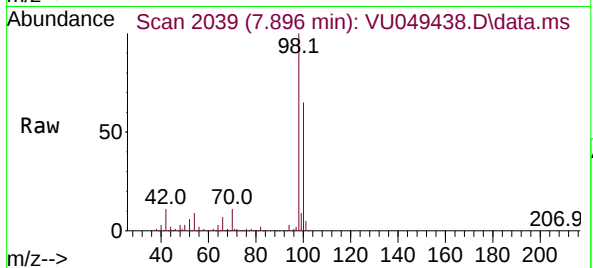




#50
Toluene-d8
Concen: 47.705 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049438.D
Acq: 28 Jun 2022 05:49

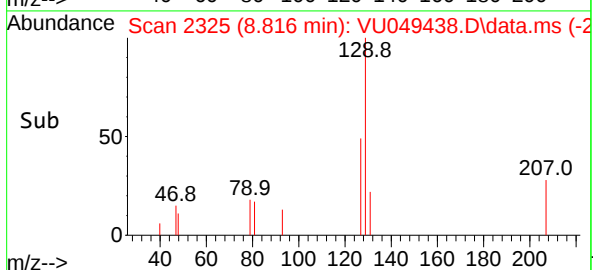
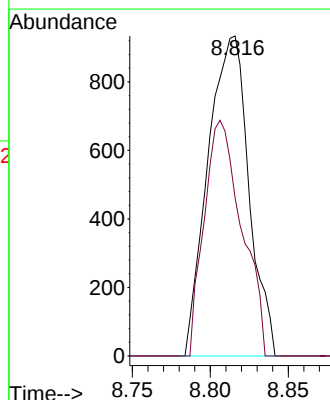
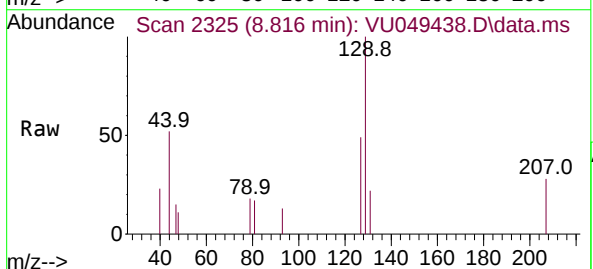
Instrument :
MSVOA_U
ClientSampleId :
MW-35

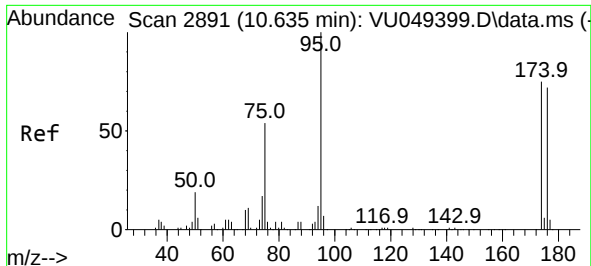
Tgt Ion: 98 Resp: 622943
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#60
Dibromochloromethane
Concen: 0.417 ug/l
RT: 8.816 min Scan# 2325
Delta R.T. 0.003 min
Lab File: VU049438.D
Acq: 28 Jun 2022 05:49

Tgt Ion: 129 Resp: 1708
Ion Ratio Lower Upper
129 100
127 67.6 38.6 116.0

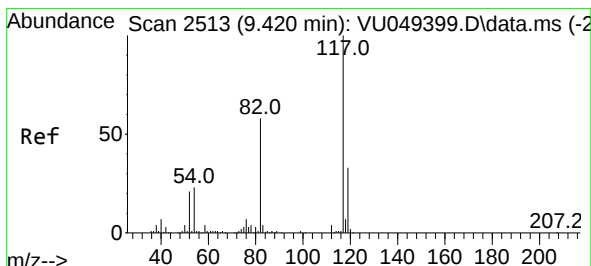
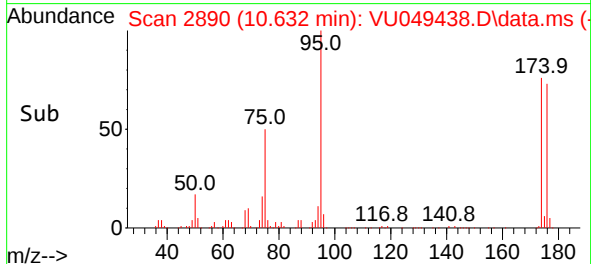
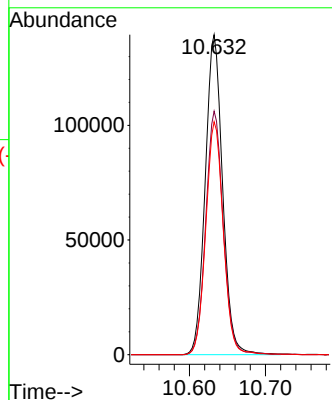
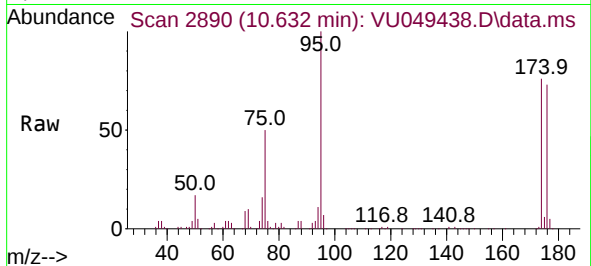




#62
4-Bromofluorobenzene
Concen: 44.355 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049438.D
Acq: 28 Jun 2022 05:49

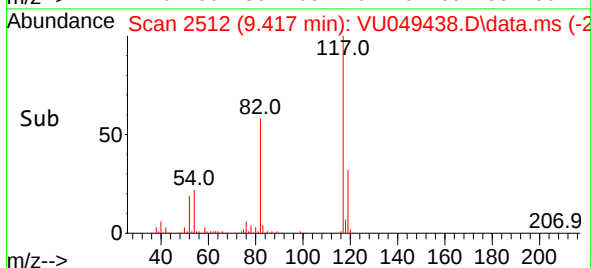
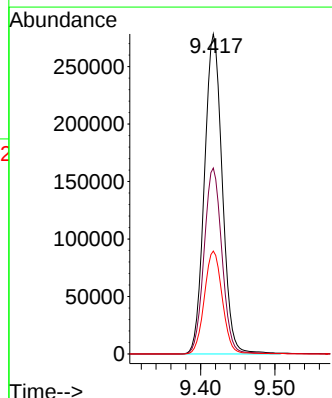
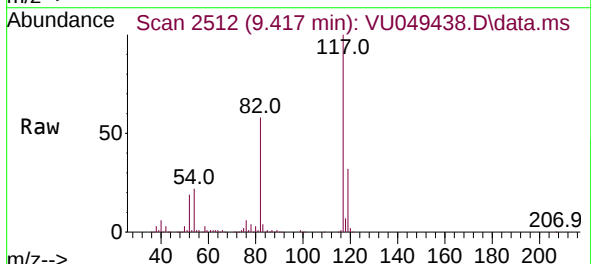
Instrument :
MSVOA_U
ClientSampleId :
MW-35

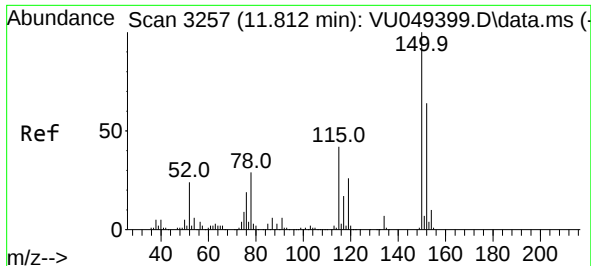
Tgt Ion: 95 Resp: 221874
Ion Ratio Lower Upper
95 100
174 76.6 0.0 182.0
176 73.4 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049438.D
Acq: 28 Jun 2022 05:49

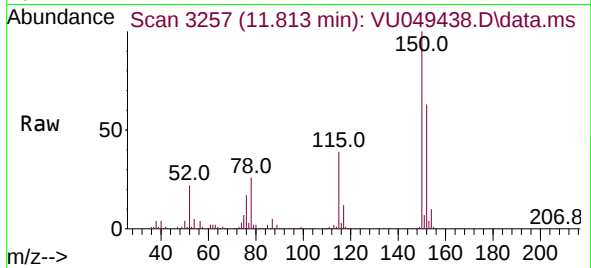
Tgt Ion: 117 Resp: 464463
Ion Ratio Lower Upper
117 100
82 58.1 41.7 62.5
119 32.2 25.7 38.5



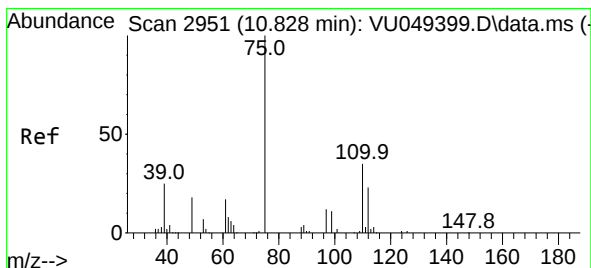
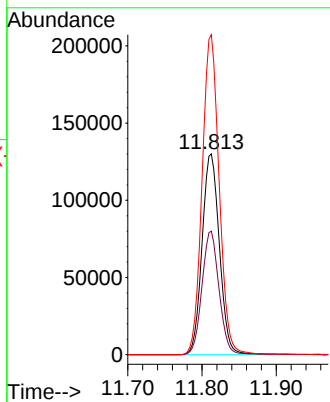
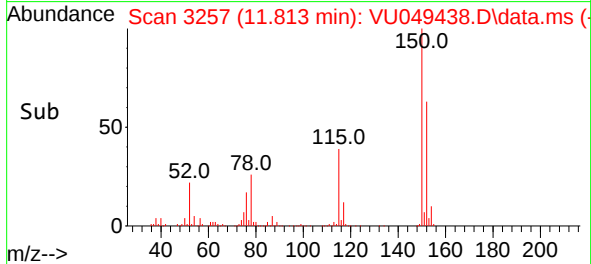


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.813 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049438.D
Acq: 28 Jun 2022 05:49

Instrument :
MSVOA_U
ClientSampleId :
MW-35

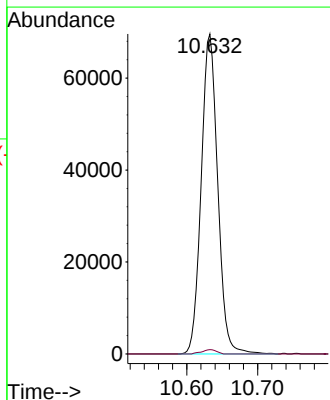
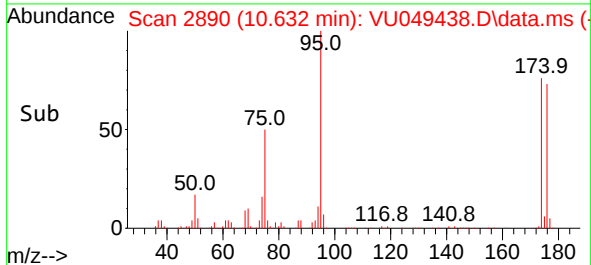
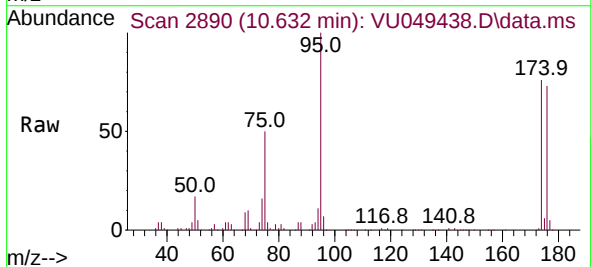


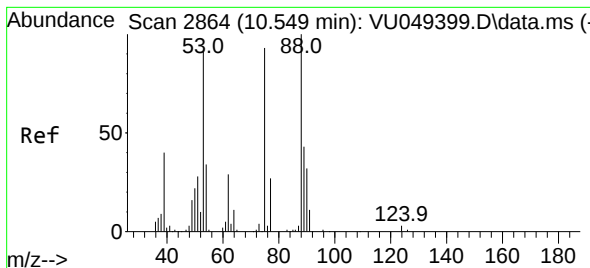
Tgt Ion:152 Resp: 210624
Ion Ratio Lower Upper
152 100
115 60.6 37.0 110.9
150 157.3 0.0 342.2



#76
1,2,3-Trichloropropane
Concen: 15.766 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049438.D
Acq: 28 Jun 2022 05:49

Tgt Ion: 75 Resp: 112569
Ion Ratio Lower Upper
75 100
77 1.2 15.8 47.3#

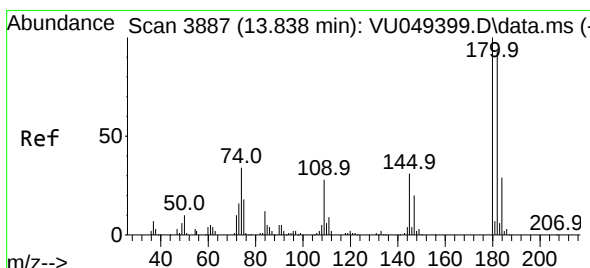
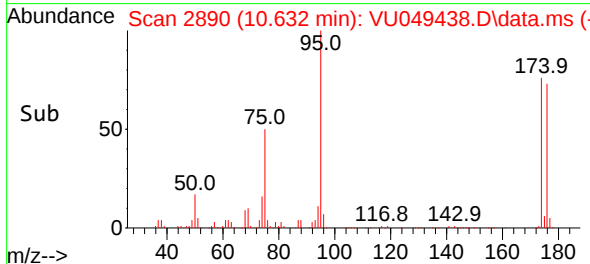
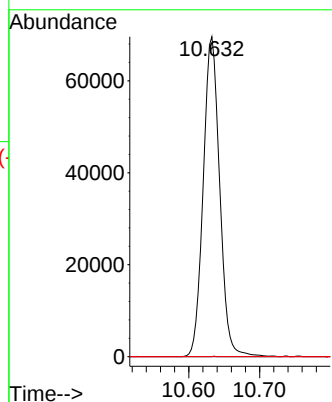
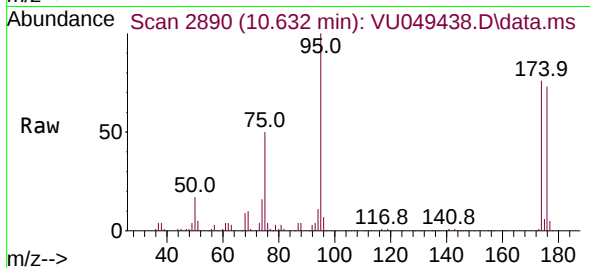




#81
trans-1,4-Dichloro-2-butene
Concen: 58.222 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049438.D
Acq: 28 Jun 2022 05:49

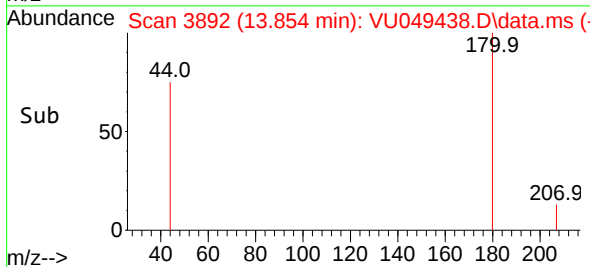
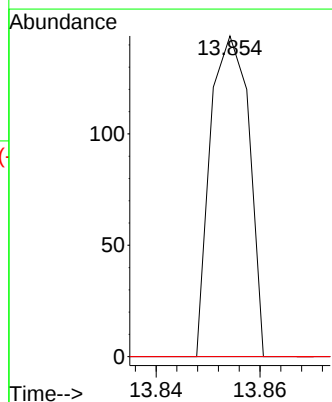
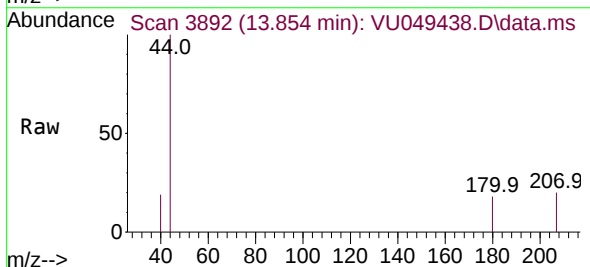
Instrument :
MSVOA_U
ClientSampleId :
MW-35

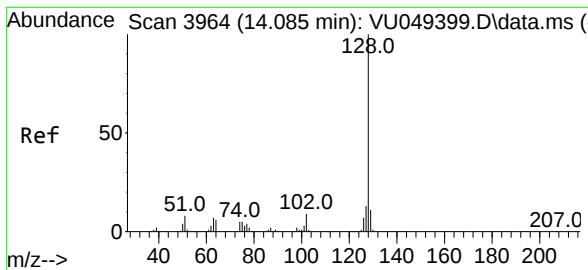
Tgt Ion: 75 Resp: 112569
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.769 ug/l
RT: 13.854 min Scan# 3892
Delta R.T. 0.016 min
Lab File: VU049438.D
Acq: 28 Jun 2022 05:49

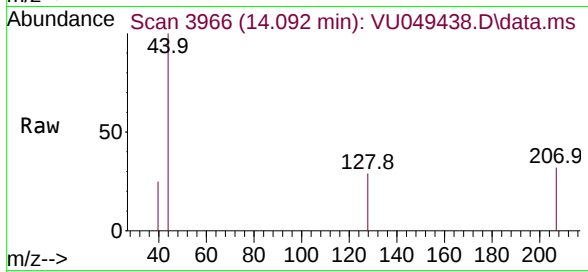
Tgt Ion:180 Resp: 74
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.6#
145 0.0 14.0 41.9#





#95
 Naphthalene
 Concen: 1.748 ug/l
 RT: 14.092 min Scan# 3966
 Delta R.T. 0.007 min
 Lab File: VU049438.D
 Acq: 28 Jun 2022 05:49

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-35



Tgt Ion:	128	Resp:	201
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

