

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062722\
 Data File : VU049439.D
 Acq On : 28 Jun 2022 06:12
 Operator : SY/MD
 Sample : N3482-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-37

Quant Time: Jun 28 07:16:23 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)

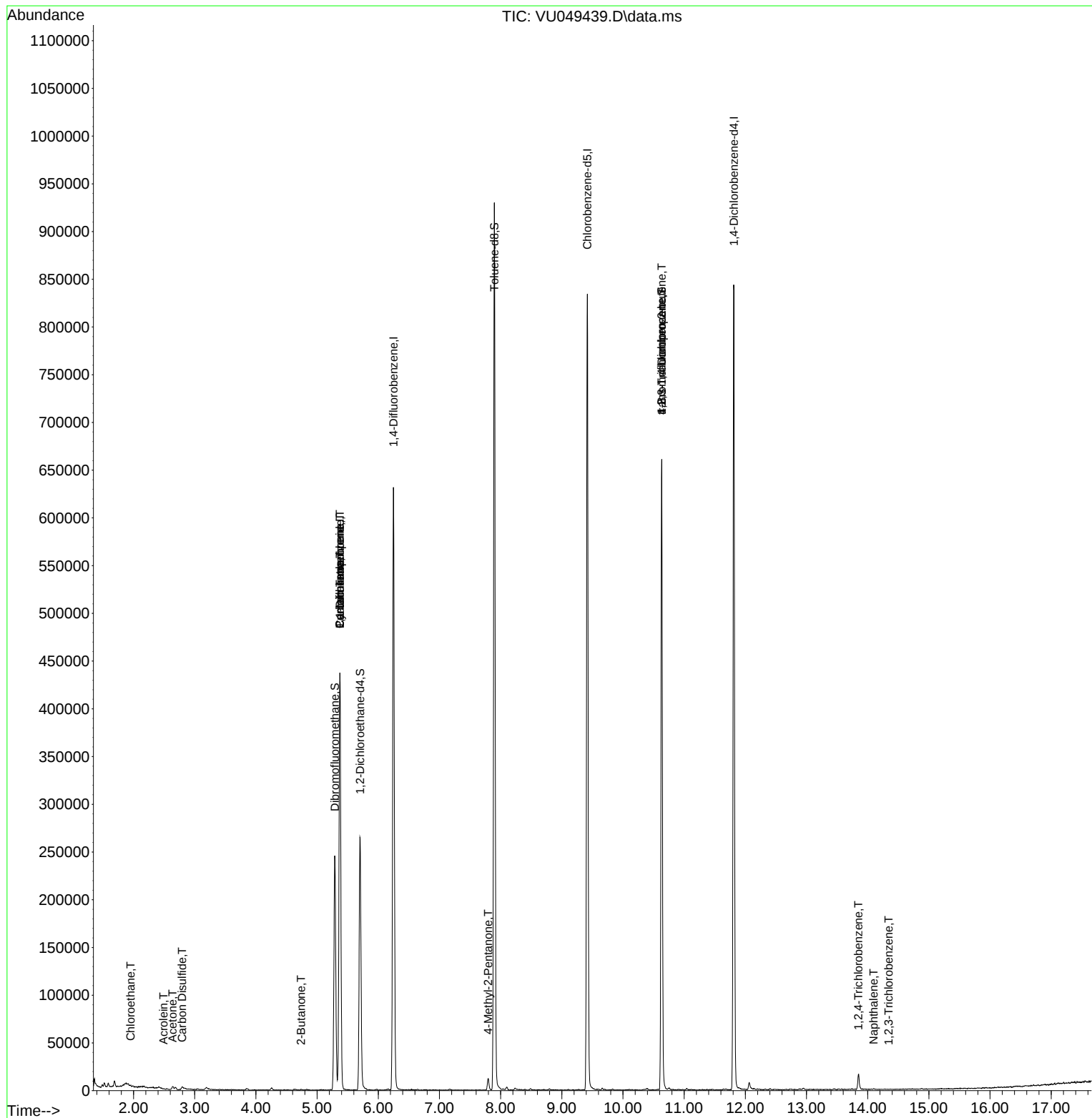
Internal Standards						
1) Pentafluorobenzene	5.372	168	300551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	514210	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	466351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.813	152	221180	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.704	65	197939	42.764	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.520%
35) Dibromofluoromethane	5.289	113	161204	44.809	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.620%
50) Toluene-d8	7.896	98	620761	48.378	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.760%
62) 4-Bromofluorobenzene	10.633	95	229195	46.629	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.260%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	3781	Below Cal		92
6) Chloroethane	1.951	64	102	1.959 ug/l	#	44
13) Acrolein	2.488	56	251	0.342 ug/l	#	45
16) Acetone	2.639	43	4842	2.074 ug/l		95
17) Carbon Disulfide	2.794	76	2588	0.254 ug/l		99
20) Methylene Chloride	3.035	84	124	Below Cal	#	53
25) 2-Butanone	4.739	43	713	0.204 ug/l	#	45
31) Cyclohexane	5.372	56	6391	0.920 ug/l	#	1
36) 1,1-Dichloropropene	5.372	75	24197	4.639 ug/l	#	48
38) Carbon Tetrachloride	5.372	117	30781	5.627 ug/l	#	15
51) 4-Methyl-2-Pentanone	7.797	43	9293	1.329 ug/l		92
76) 1,2,3-Trichloropropane	10.633	75	115125	15.355 ug/l	#	45
81) trans-1,4-Dichloro-2-b...	10.633	75	115125	56.702 ug/l	#	15
93) 1,2,4-Trichlorobenzene	13.848	180	42	1.762 ug/l	#	48
95) Naphthalene	14.095	128	784	1.780 ug/l	#	69
96) 1,2,3-Trichlorobenzene	14.343	180	20	1.181 ug/l	#	81

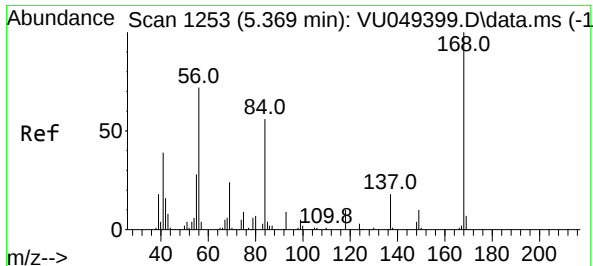
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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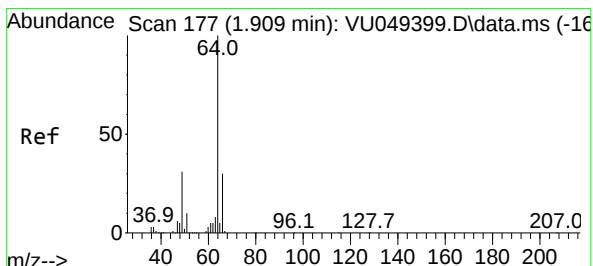
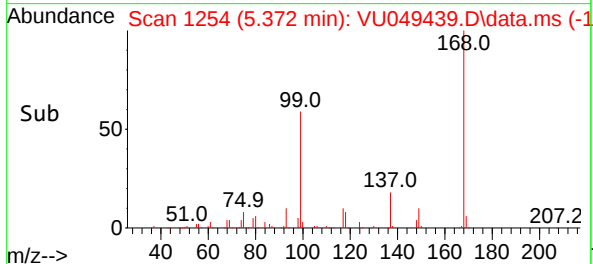
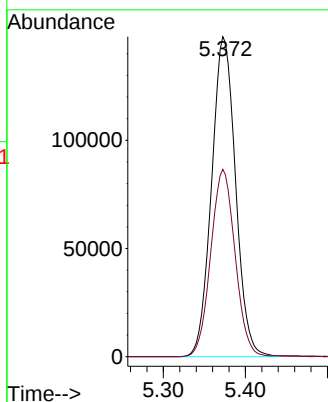
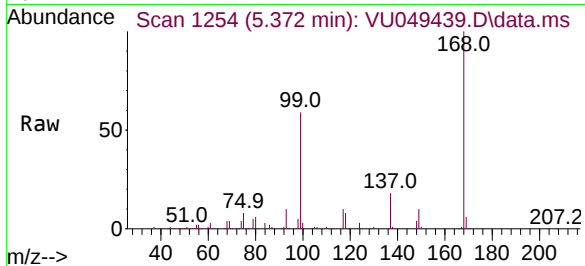




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049439.D
Acq: 28 Jun 2022 06:12

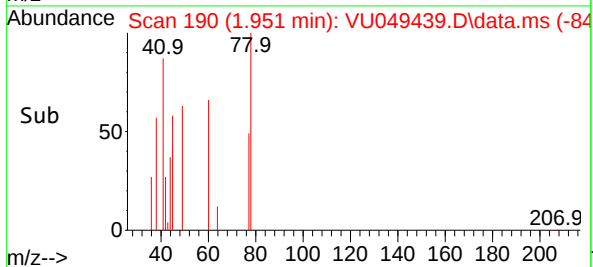
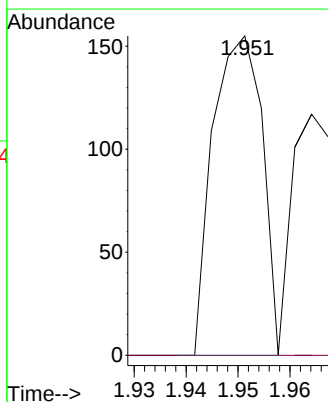
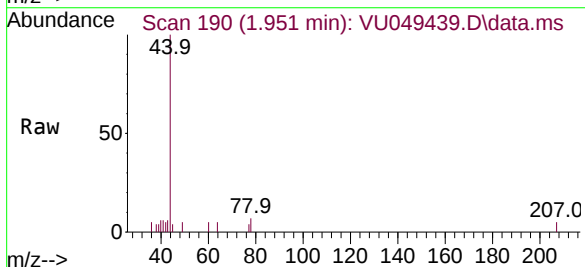
Instrument :
MSVOA_U
ClientSampleId :
MW-37

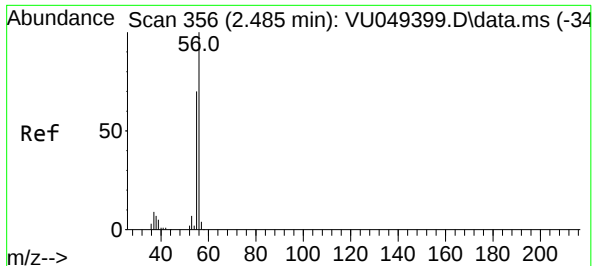
Tgt Ion:168 Resp: 300551
Ion Ratio Lower Upper
168 100
99 58.6 39.3 58.9



#6
Chloroethane
Concen: 1.959 ug/l
RT: 1.951 min Scan# 190
Delta R.T. 0.042 min
Lab File: VU049439.D
Acq: 28 Jun 2022 06:12

Tgt Ion: 64 Resp: 102
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#





#13

Acrolein

Concen: 0.342 ug/l

RT: 2.488 min Scan# 31

Delta R.T. 0.004 min

Lab File: VU049439.D

Acq: 28 Jun 2022 06:12

Instrument :

MSVOA_U

ClientSampleId :

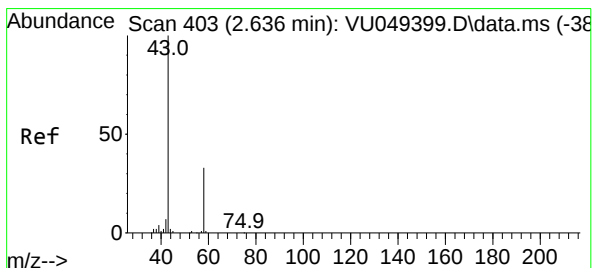
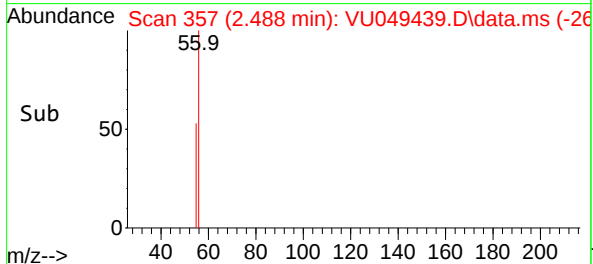
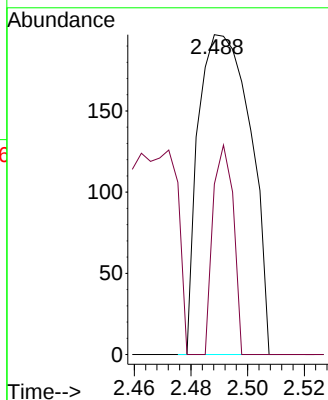
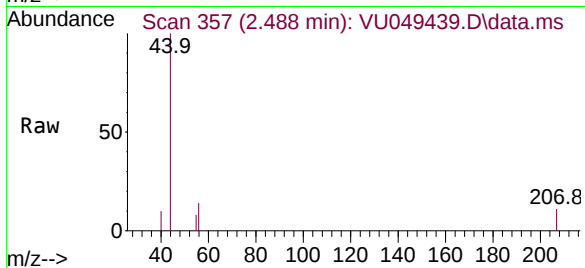
MW-37

Tgt Ion: 56 Resp: 251

Ion Ratio Lower Upper

56 100

55 25.5 56.6 85.0#



#16

Acetone

Concen: 2.074 ug/l

RT: 2.639 min Scan# 404

Delta R.T. 0.004 min

Lab File: VU049439.D

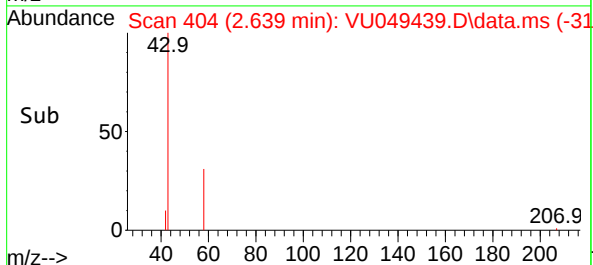
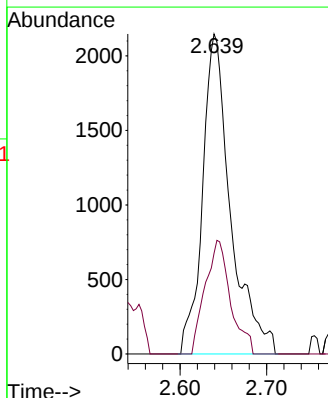
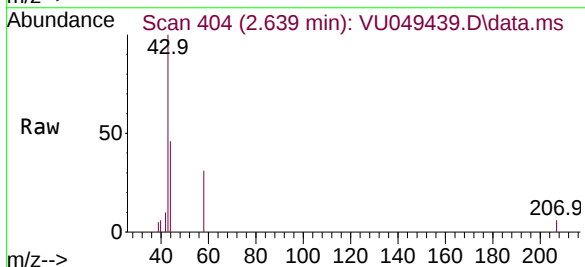
Acq: 28 Jun 2022 06:12

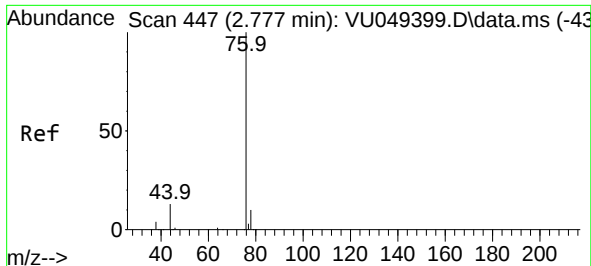
Tgt Ion: 43 Resp: 4842

Ion Ratio Lower Upper

43 100

58 31.5 27.5 41.3





#17

Carbon Disulfide

Concen: 0.254 ug/l

RT: 2.794 min Scan# 4

Delta R.T. 0.016 min

Lab File: VU049439.D

Acq: 28 Jun 2022 06:12

Instrument :

MSVOA_U

ClientSampleId :

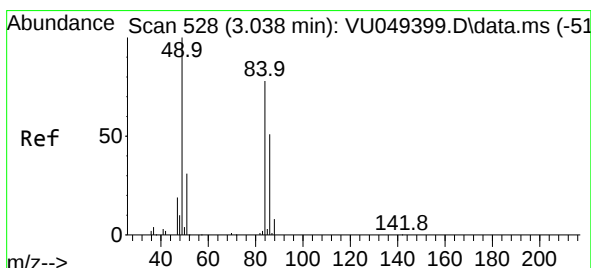
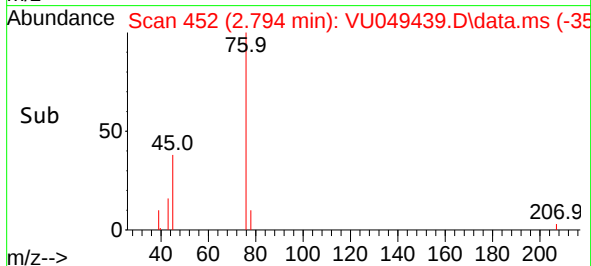
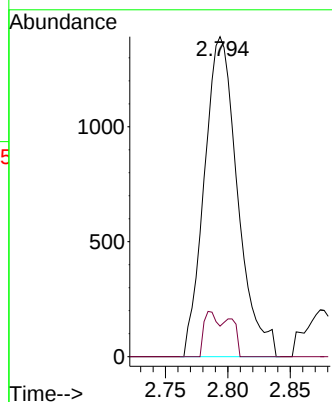
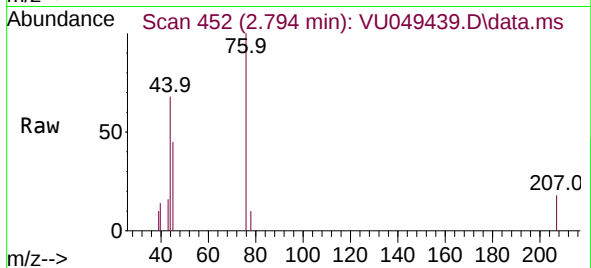
MW-37

Tgt Ion: 76 Resp: 2588

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9



#20

Methylene Chloride

Concen: Below Cal

RT: 3.035 min Scan# 527

Delta R.T. -0.003 min

Lab File: VU049439.D

Acq: 28 Jun 2022 06:12

Tgt Ion: 84 Resp: 124

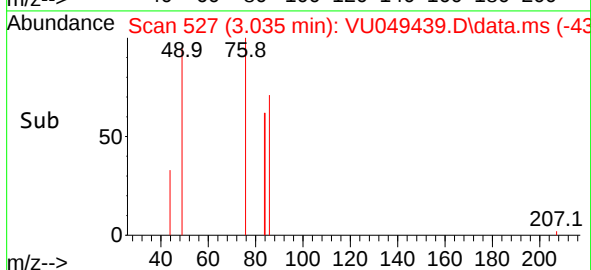
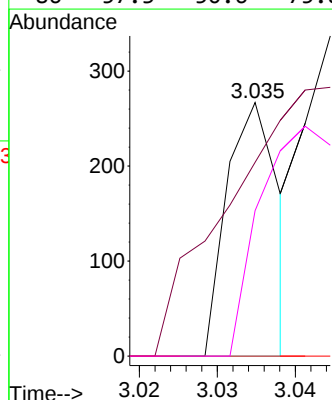
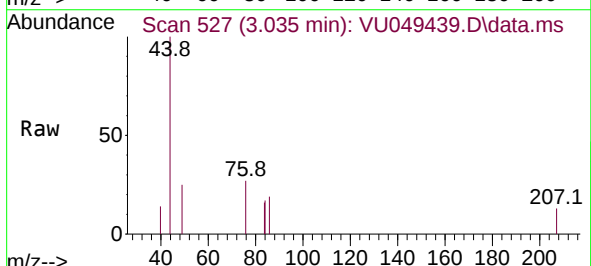
Ion Ratio Lower Upper

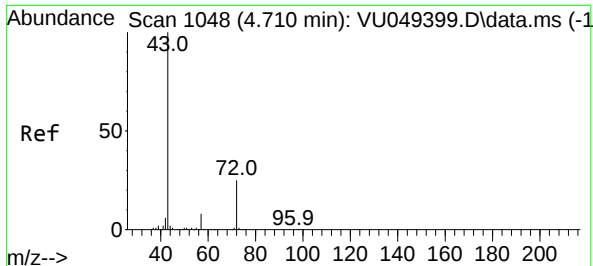
84 100

49 37.8 86.6 129.8#

51 0.0 26.6 40.0#

86 57.3 50.6 75.8

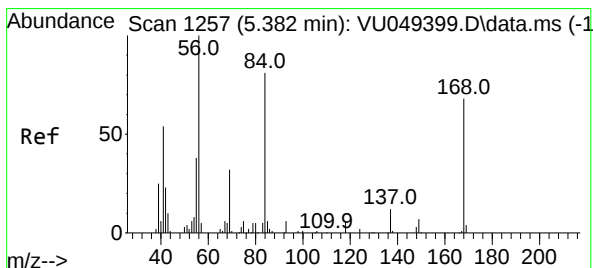
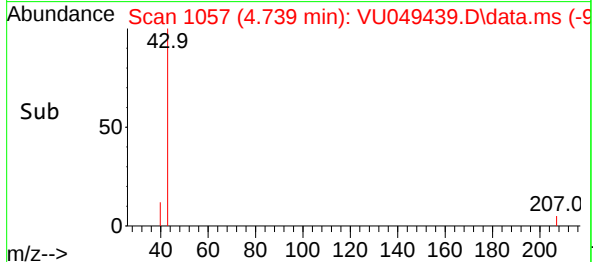
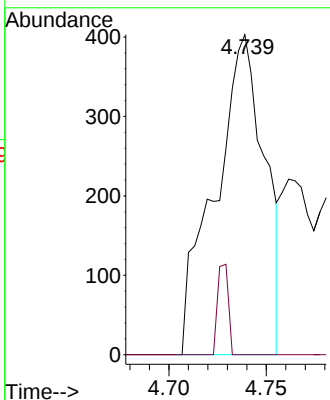
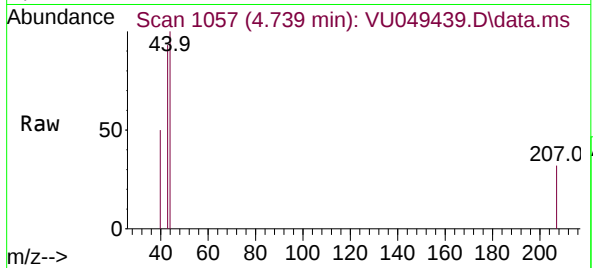




#25
2-Butanone
Concen: 0.204 ug/l
RT: 4.739 min Scan# 1057
Delta R.T. 0.029 min
Lab File: VU049439.D
Acq: 28 Jun 2022 06:12

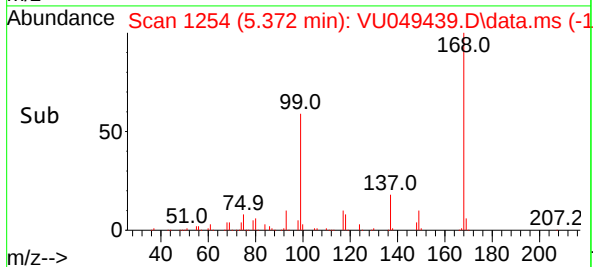
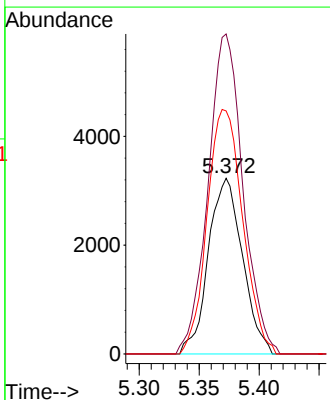
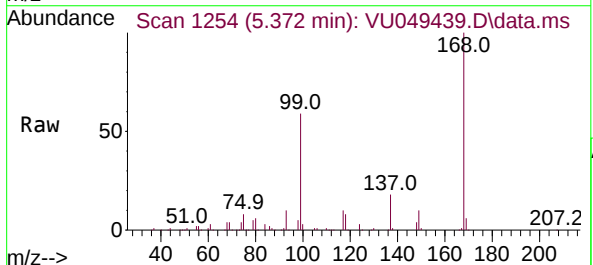
Instrument :
MSVOA_U
ClientSampleId :
MW-37

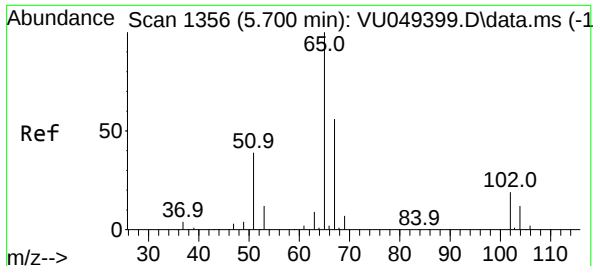
Tgt Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 0.920 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.009 min
Lab File: VU049439.D
Acq: 28 Jun 2022 06:12

Tgt Ion: 56 Resp: 6391
Ion Ratio Lower Upper
56 100
69 182.2 27.8 41.8#
84 138.4 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 42.764 ug/l

RT: 5.704 min Scan# 1

Delta R.T. 0.004 min

Lab File: VU049439.D

Acq: 28 Jun 2022 06:12

Instrument :

MSVOA_U

ClientSampleId :

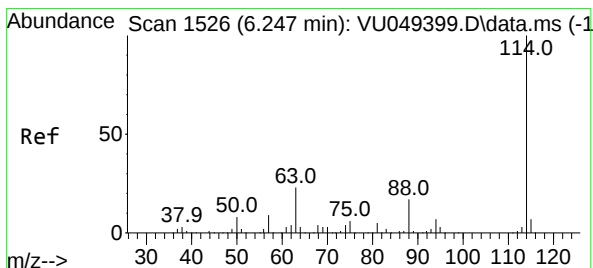
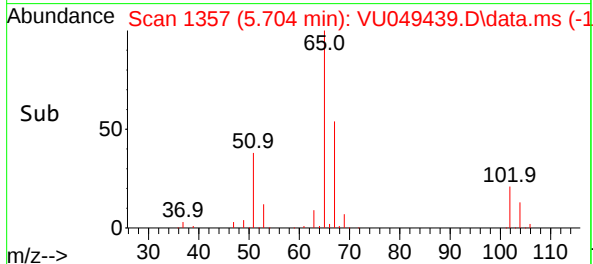
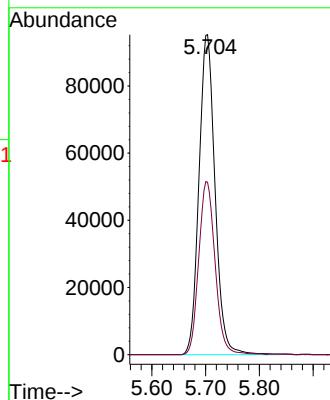
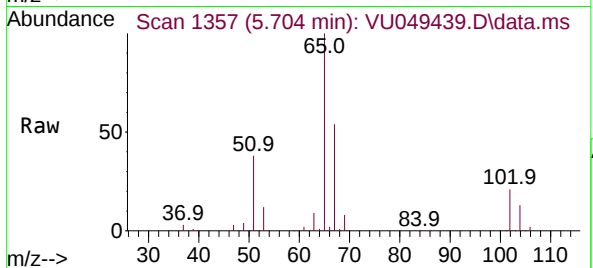
MW-37

Tgt Ion: 65 Resp: 197939

Ion Ratio Lower Upper

65 100

67 55.0 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. 0.004 min

Lab File: VU049439.D

Acq: 28 Jun 2022 06:12

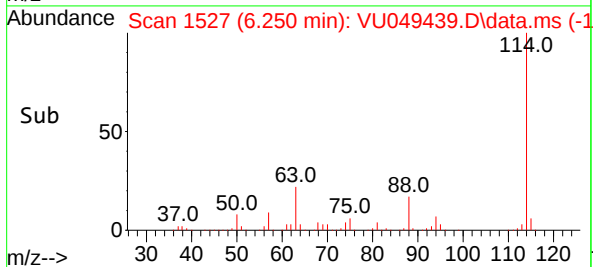
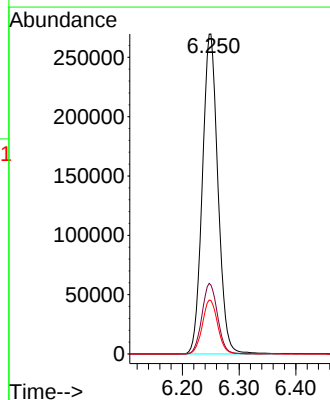
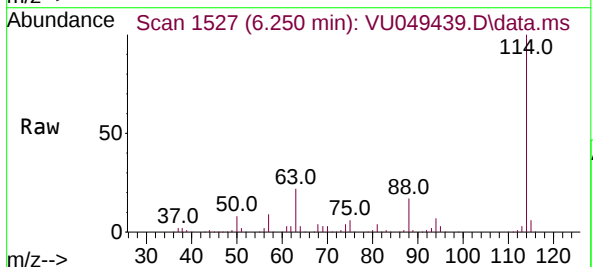
Tgt Ion: 114 Resp: 514210

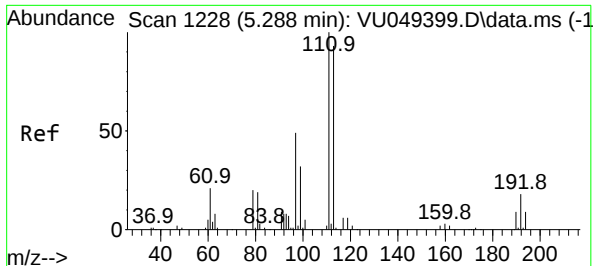
Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.8

88 16.7 0.0 29.2





#35

Dibromofluoromethane

Concen: 44.809 ug/l

RT: 5.289 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049439.D

Acq: 28 Jun 2022 06:12

Instrument :

MSVOA_U

ClientSampleId :

MW-37

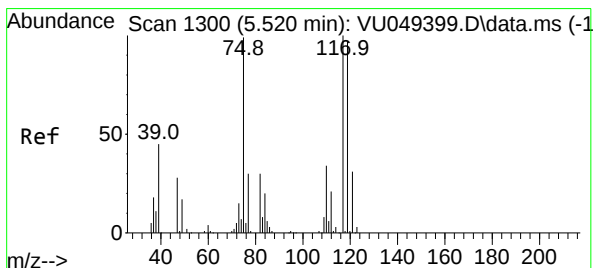
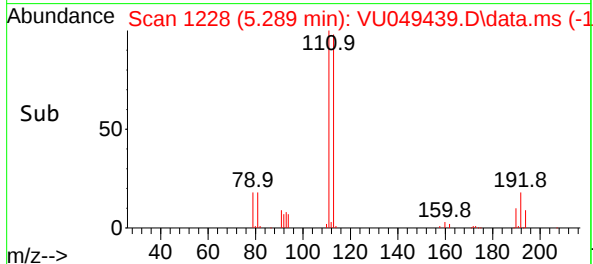
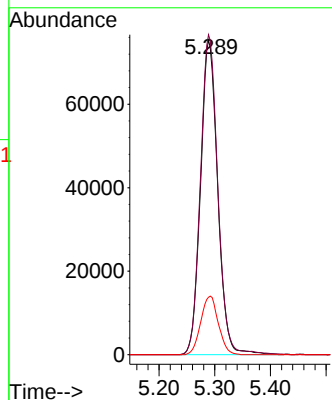
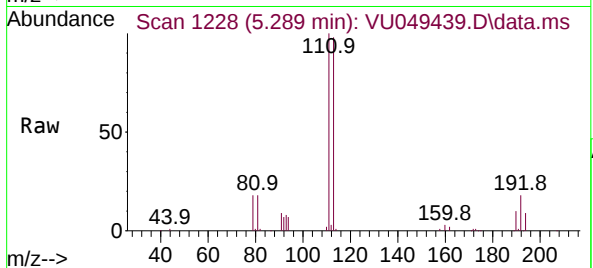
Tgt Ion:113 Resp: 161204

Ion Ratio Lower Upper

113 100

111 103.2 82.1 123.1

192 19.1 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.639 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049439.D

Acq: 28 Jun 2022 06:12

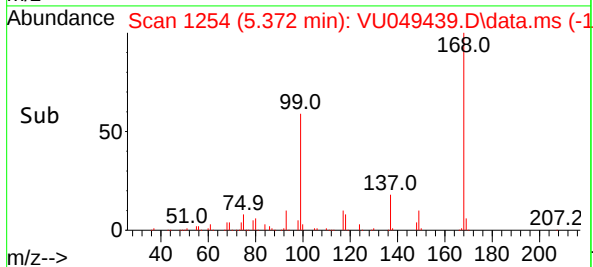
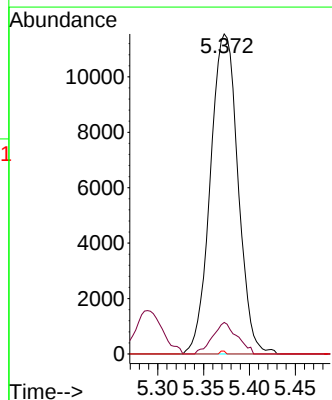
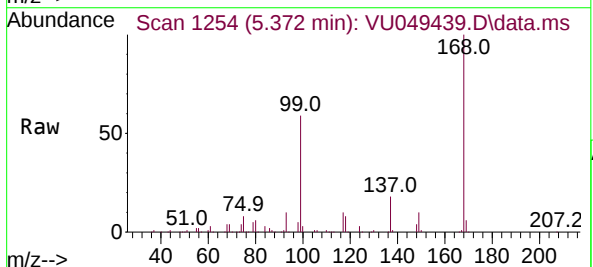
Tgt Ion: 75 Resp: 24197

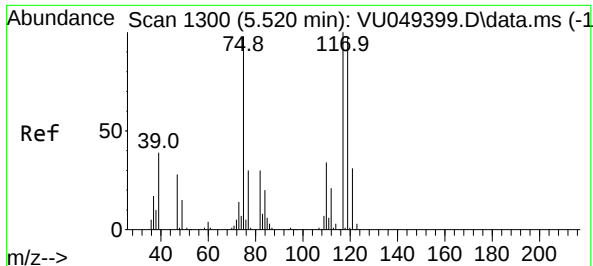
Ion Ratio Lower Upper

75 100

110 8.7 18.4 55.2#

77 0.2 25.1 37.7#

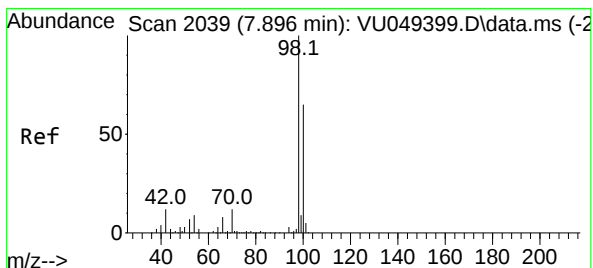
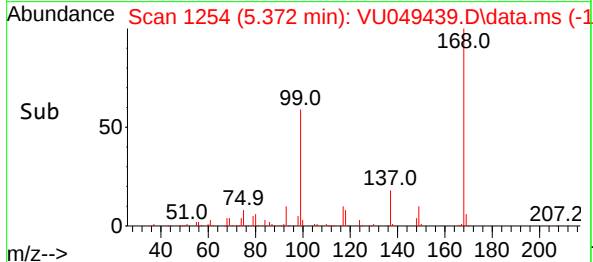
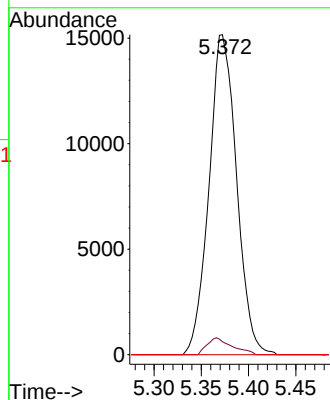
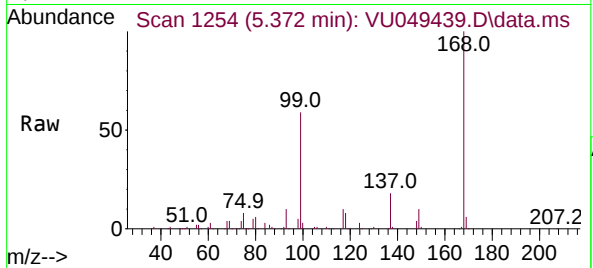




#38
Carbon Tetrachloride
Concen: 5.627 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU049439.D
Acq: 28 Jun 2022 06:12

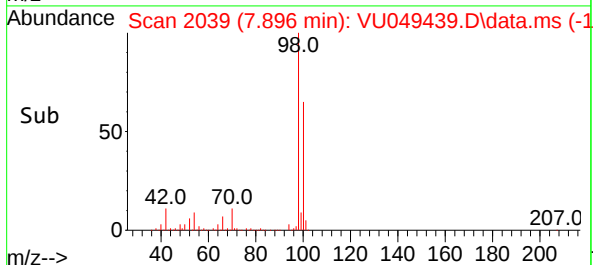
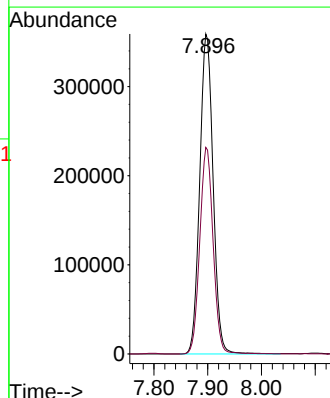
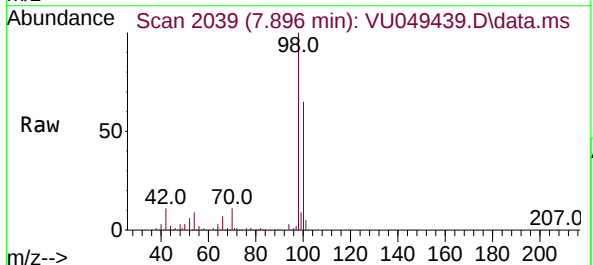
Instrument :
MSVOA_U
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MW-37

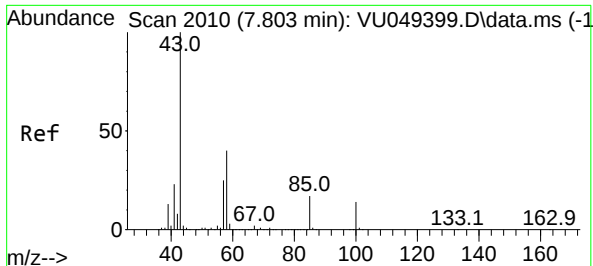
Tgt Ion:117 Resp: 30781
Ion Ratio Lower Upper
117 100
119 4.1 76.8 115.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.378 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049439.D
Acq: 28 Jun 2022 06:12

Tgt Ion: 98 Resp: 620761
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 1.329 ug/l

RT: 7.797 min Scan# 2010

Delta R.T. -0.006 min

Lab File: VU049439.D

Acq: 28 Jun 2022 06:12

Instrument :

MSVOA_U

ClientSampleId :

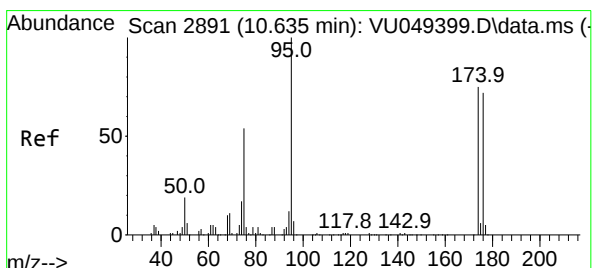
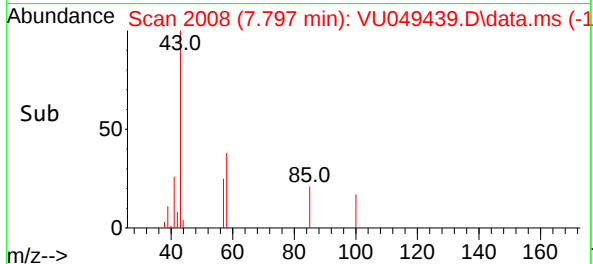
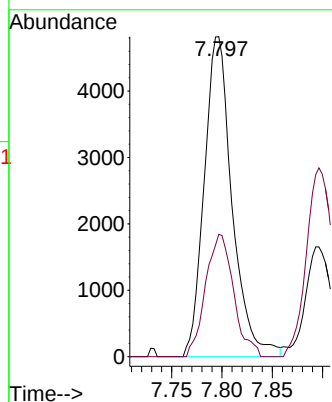
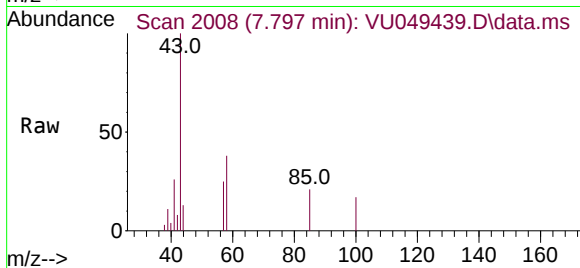
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Tgt Ion: 43 Resp: 9293

Ion Ratio Lower Upper

43 100

58 38.3 34.7 52.1



#62

4-Bromofluorobenzene

Concen: 46.629 ug/l

RT: 10.633 min Scan# 2890

Delta R.T. -0.003 min

Lab File: VU049439.D

Acq: 28 Jun 2022 06:12

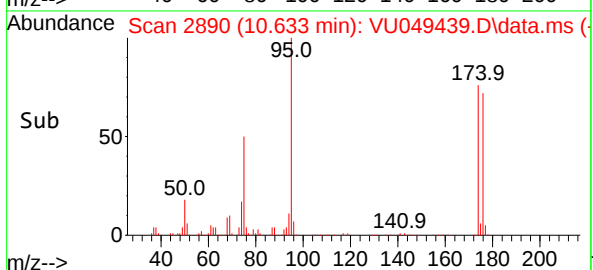
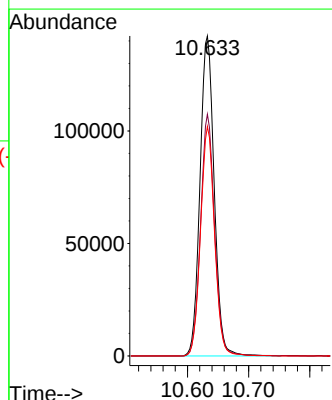
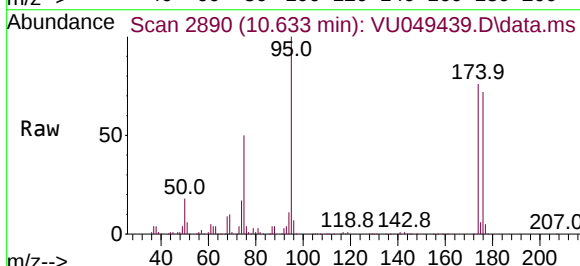
Tgt Ion: 95 Resp: 229195

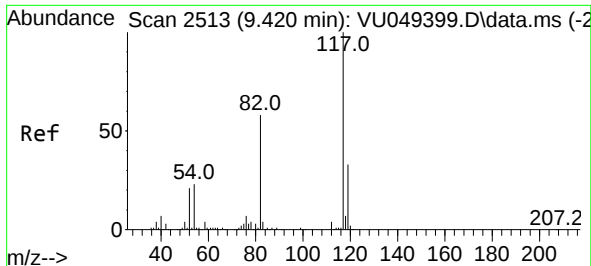
Ion Ratio Lower Upper

95 100

174 74.4 0.0 182.0

176 70.8 0.0 177.8

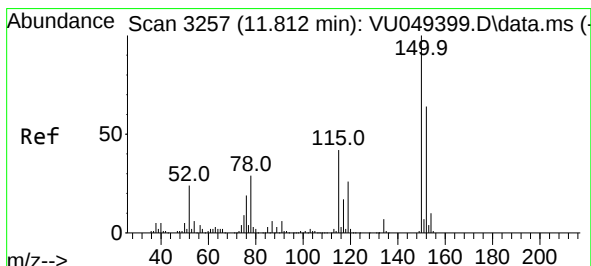
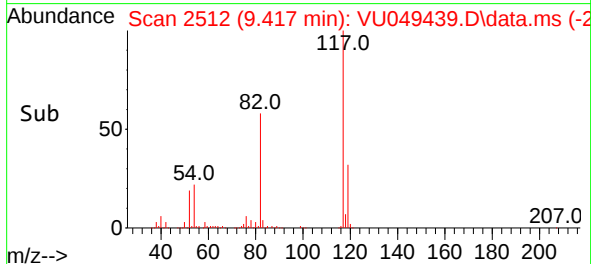
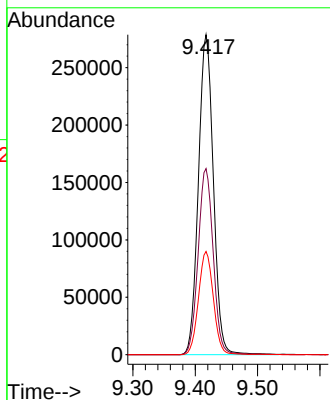
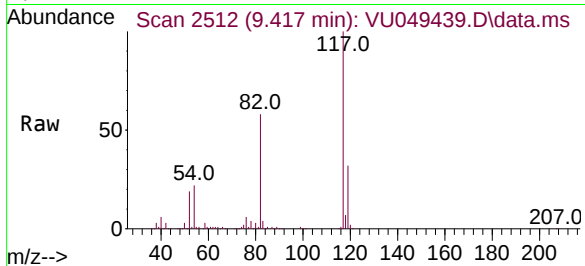




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049439.D
Acq: 28 Jun 2022 06:12

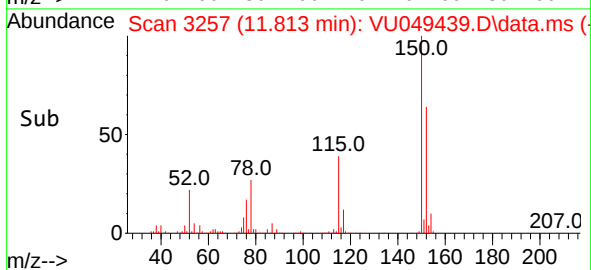
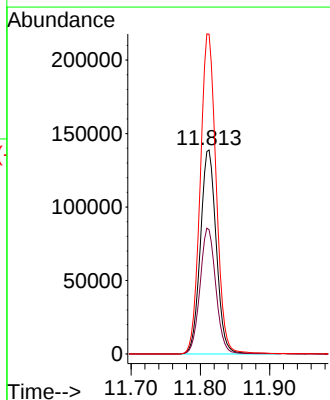
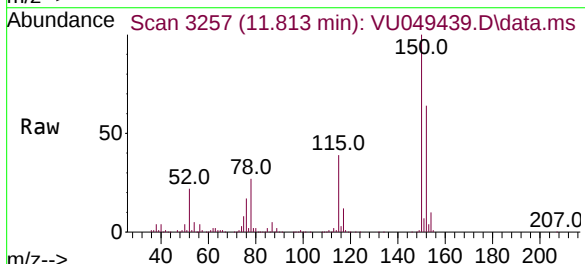
Instrument :
MSVOA_U
ClientSampleId :
MW-37

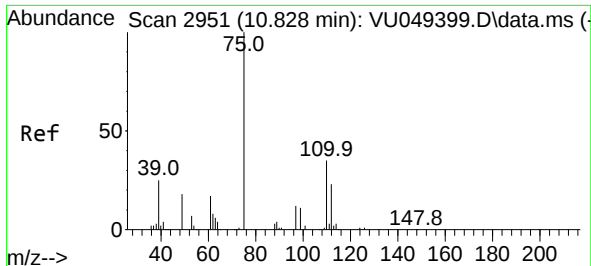
Tgt Ion:117 Resp: 466351
Ion Ratio Lower Upper
117 100
82 58.2 41.7 62.5
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.813 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049439.D
Acq: 28 Jun 2022 06:12

Tgt Ion:152 Resp: 221180
Ion Ratio Lower Upper
152 100
115 61.4 37.0 110.9
150 157.5 0.0 342.2

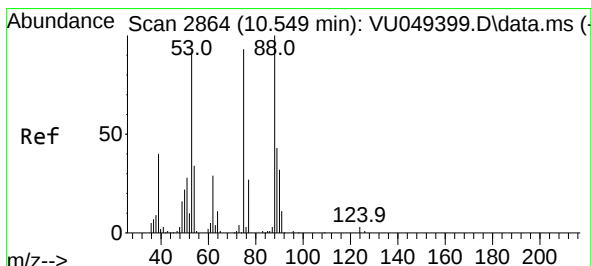
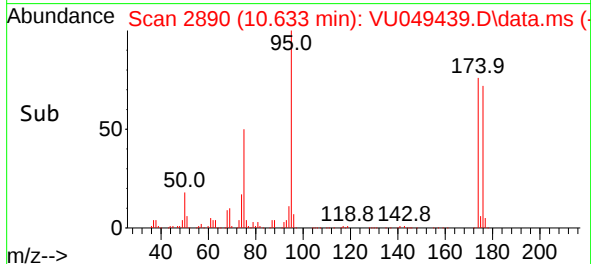
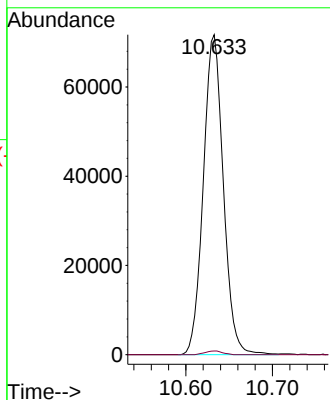
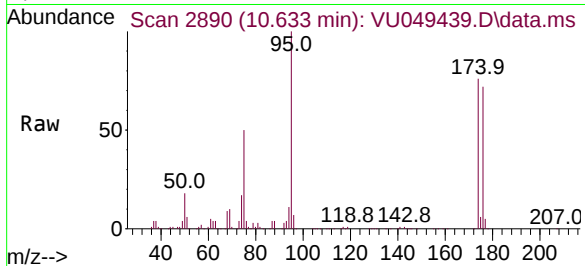




#76
1,2,3-Trichloropropane
Concen: 15.355 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049439.D
Acq: 28 Jun 2022 06:12

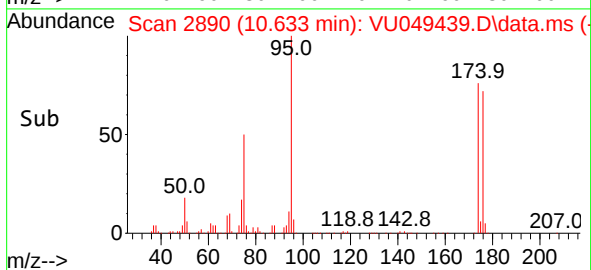
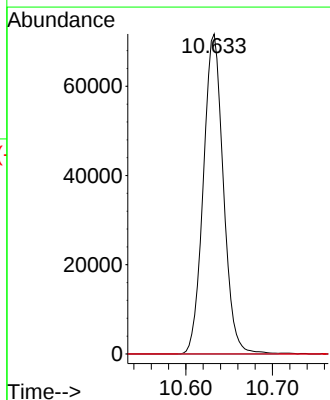
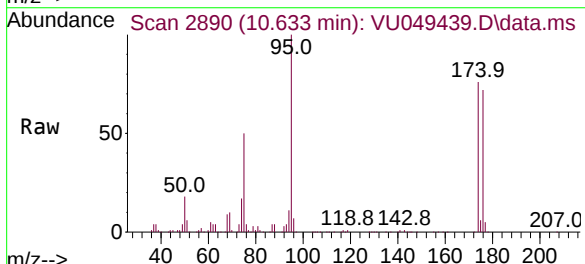
Instrument :
MSVOA_U
ClientSampleId :
MW-37

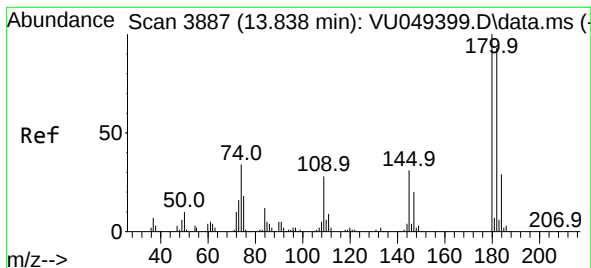
Tgt Ion: 75 Resp: 115125
Ion Ratio Lower Upper
75 100
77 1.0 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.702 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049439.D
Acq: 28 Jun 2022 06:12

Tgt Ion: 75 Resp: 115125
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: 1.762 ug/l

RT: 13.848 min Scan# 3887

Delta R.T. 0.010 min

Lab File: VU049439.D

Acq: 28 Jun 2022 06:12

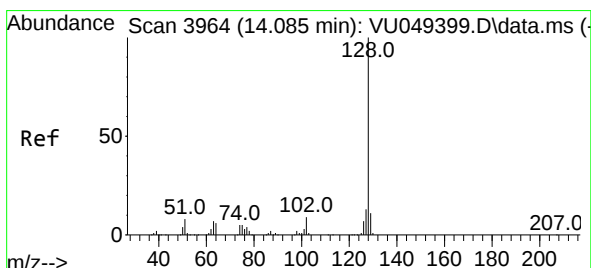
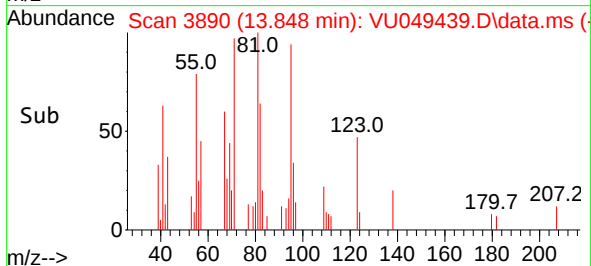
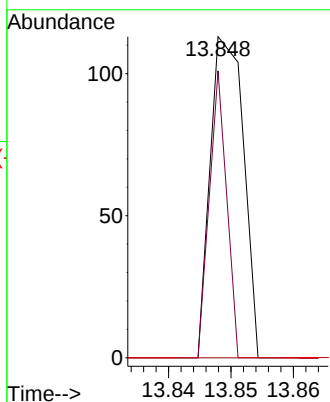
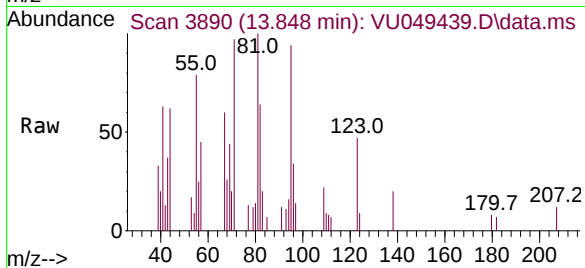
Instrument :

MSVOA_U

ClientSampleId :

MW-37

Tgt Ion:180	Resp:	42
Ion Ratio	Lower	Upper
180	100	
182	45.2	47.9 143.6#
145	0.0	14.0 41.9#



#95

Naphthalene

Concen: 1.780 ug/l

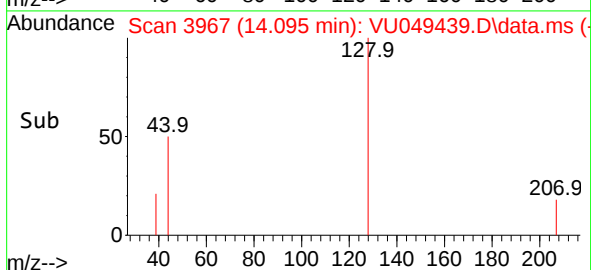
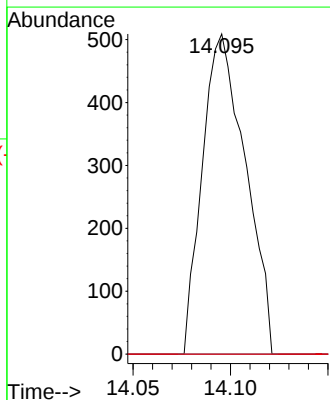
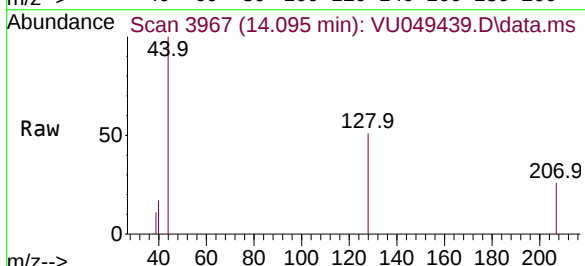
RT: 14.095 min Scan# 3967

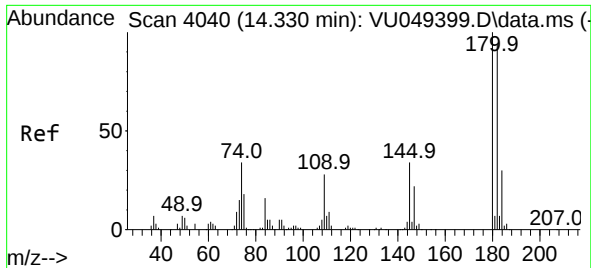
Delta R.T. 0.010 min

Lab File: VU049439.D

Acq: 28 Jun 2022 06:12

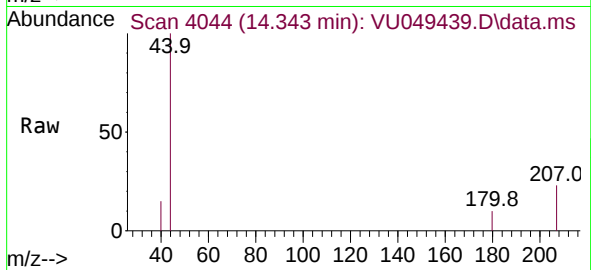
Tgt Ion:128	Resp:	784
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.3 15.5#
129	0.0	8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.181 ug/l
 RT: 14.343 min Scan# 4044
 Delta R.T. 0.013 min
 Lab File: VU049439.D
 Acq: 28 Jun 2022 06:12

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-37



Tgt Ion:180 Resp: 20
 Ion Ratio Lower Upper
 180 100
 182 105.0 48.4 145.0
 145 0.0 14.8 44.4#

