

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
 Data File : VU049554.D
 Acq On : 30 Jun 2022 11:21
 Operator : SY/MD
 Sample : VU0630WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBL01

Quant Time: Jul 01 05:23:46 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)

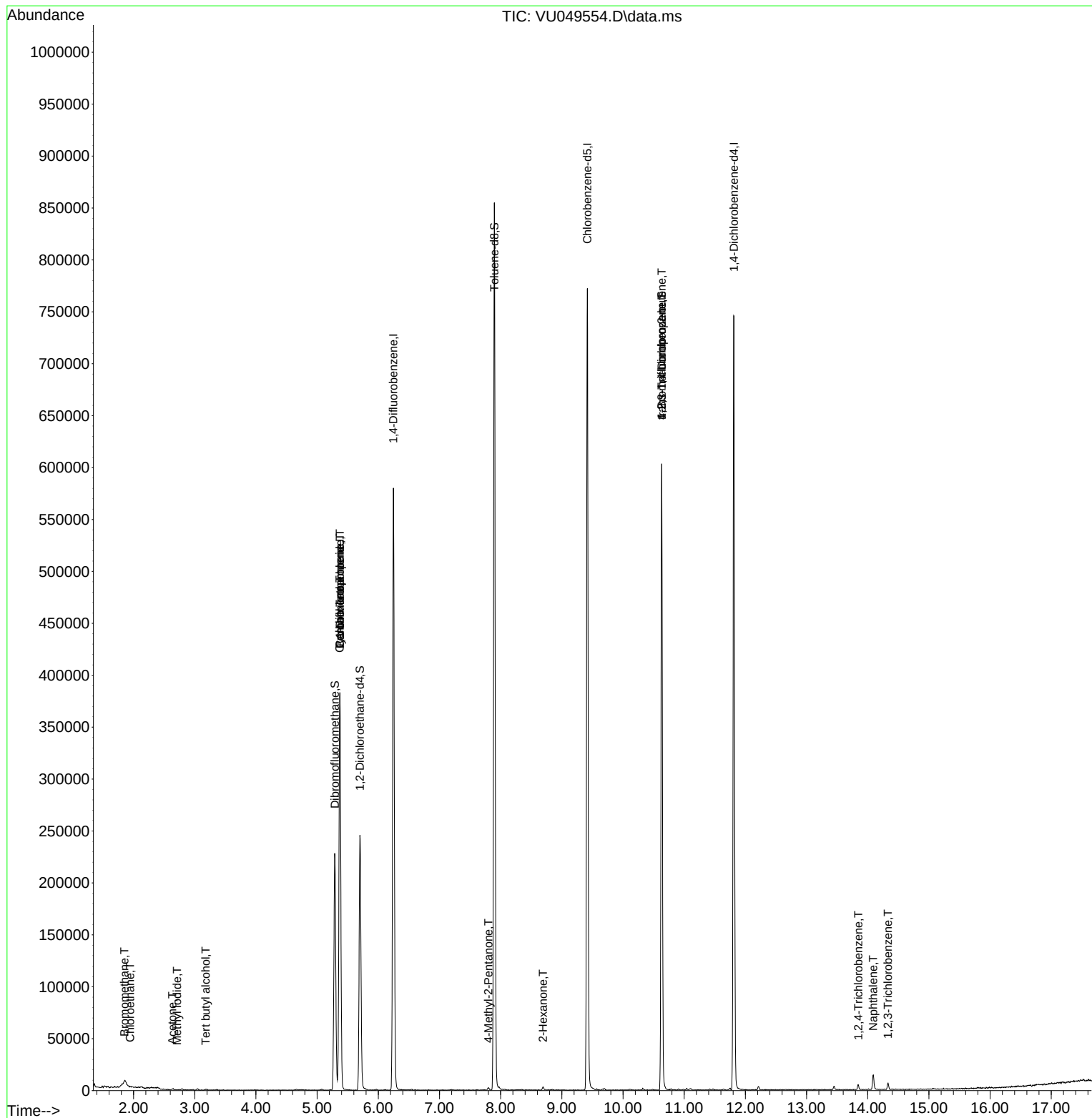
Internal Standards						
1) Pentafluorobenzene	5.372	168	266175	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	471262	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	426282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	198144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	184647	45.044	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.080%
35) Dibromofluoromethane	5.289	113	148558	45.058	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.120%
50) Toluene-d8	7.896	98	564848	48.032	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.060%
62) 4-Bromofluorobenzene	10.632	95	206721	45.889	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.780%
Target Compounds						
						Qvalue
3) Chloromethane	1.520	50	1608	Below Cal		99
5) Bromomethane	1.851	94	358	0.267 ug/l	#	75
6) Chloroethane	1.945	64	20	1.925 ug/l	#	44
10) Methyl Iodide	2.710	142	66	7.532 ug/l	#	43
11) Tert butyl alcohol	3.179	59	292	0.304 ug/l	#	37
16) Acetone	2.633	43	1332	0.644 ug/l	#	80
20) Methylene Chloride	3.041	84	637	Below Cal	#	94
31) Cyclohexane	5.369	56	5528	0.898 ug/l	#	1
36) 1,1-Dichloropropene	5.372	75	21866	4.574 ug/l	#	49
38) Carbon Tetrachloride	5.372	117	26607	5.307 ug/l	#	16
51) 4-Methyl-2-Pentanone	7.800	43	1903	0.297 ug/l		87
59) 2-Hexanone	8.694	43	2808	0.557 ug/l		90
76) 1,2,3-Trichloropropane	10.632	75	103033	15.339 ug/l	#	46
81) trans-1,4-Dichloro-2-b...	10.632	75	103033	56.646 ug/l	#	15
93) 1,2,4-Trichlorobenzene	13.844	180	1773	2.139 ug/l		98
95) Naphthalene	14.089	128	14071	2.612 ug/l		98
96) 1,2,3-Trichlorobenzene	14.330	180	2352	1.680 ug/l		95

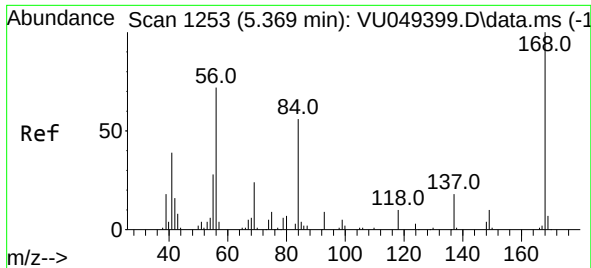
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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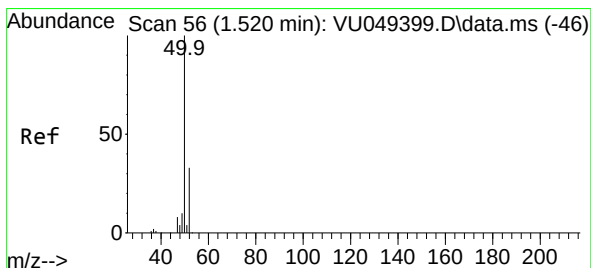
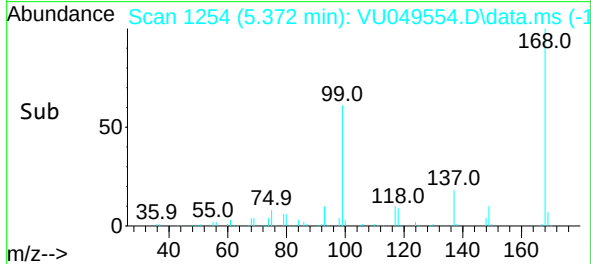
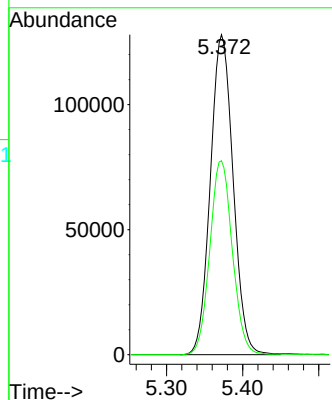
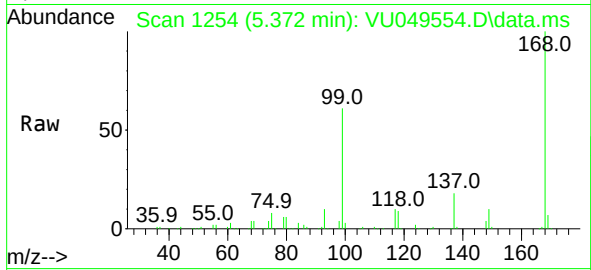




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049554.D
Acq: 30 Jun 2022 11:21

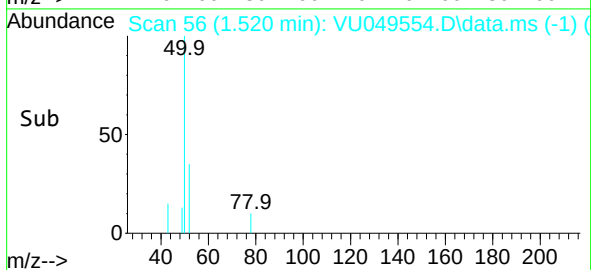
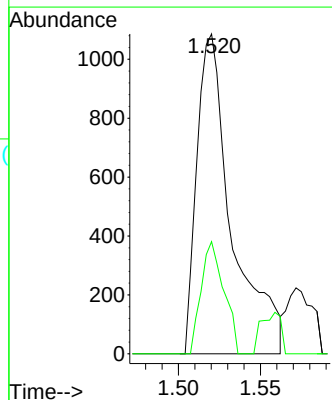
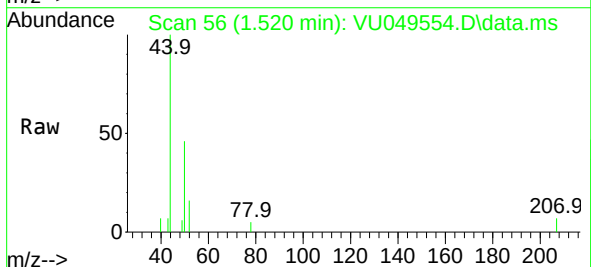
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBL01

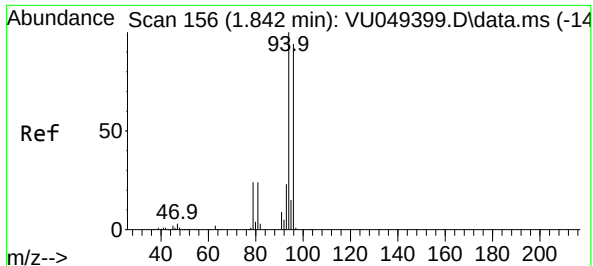
Tgt Ion:168 Resp: 266175
Ion Ratio Lower Upper
168 100
99 60.6 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049554.D
Acq: 30 Jun 2022 11:21

Tgt Ion: 50 Resp: 1608
Ion Ratio Lower Upper
50 100
52 35.1 27.4 41.2

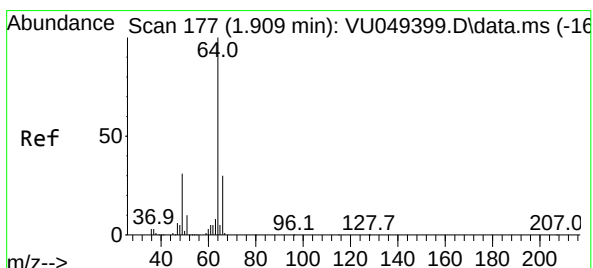
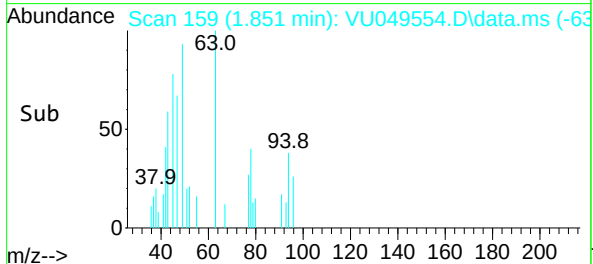
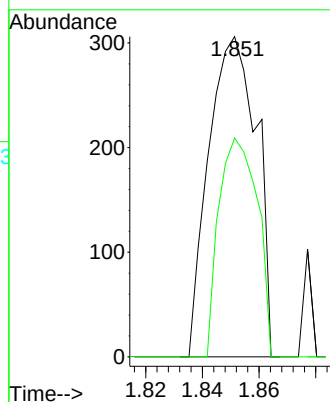
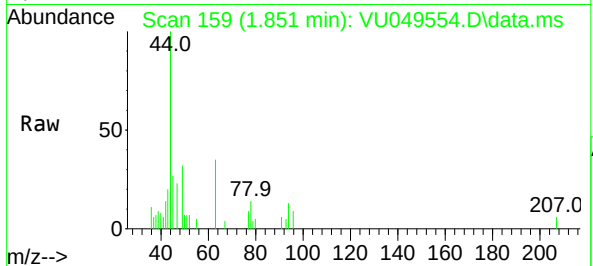




#5
Bromomethane
Concen: 0.267 ug/l
RT: 1.851 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU049554.D
Acq: 30 Jun 2022 11:21

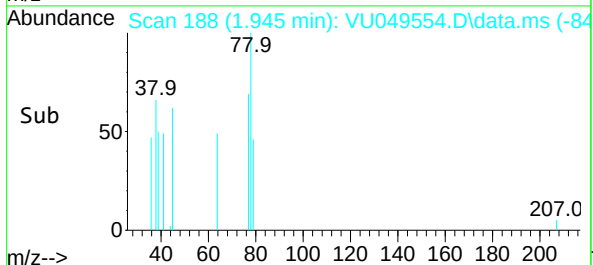
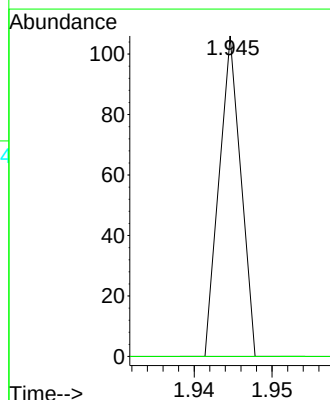
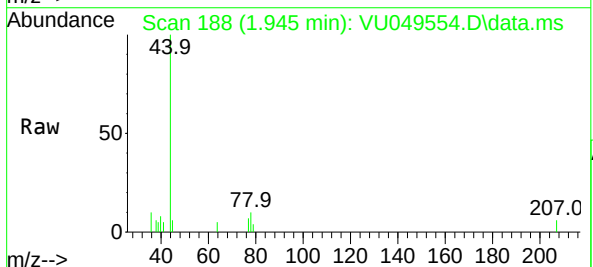
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBL01

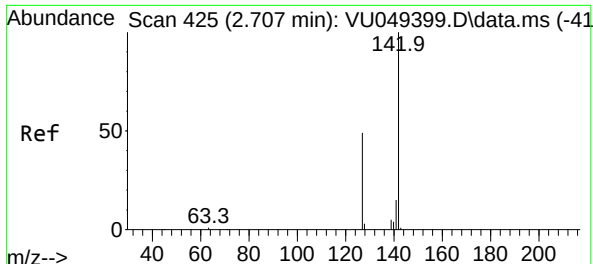
Tgt Ion: 94 Resp: 358
Ion Ratio Lower Upper
94 100
96 68.3 73.7 110.5#



#6
Chloroethane
Concen: 1.925 ug/l
RT: 1.945 min Scan# 188
Delta R.T. 0.036 min
Lab File: VU049554.D
Acq: 30 Jun 2022 11:21

Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

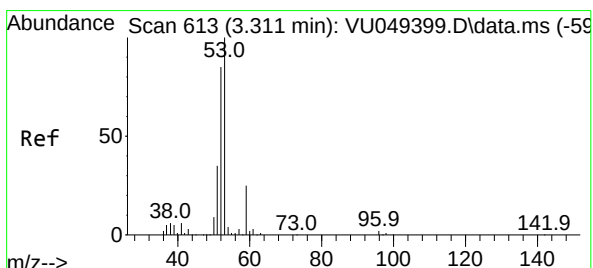
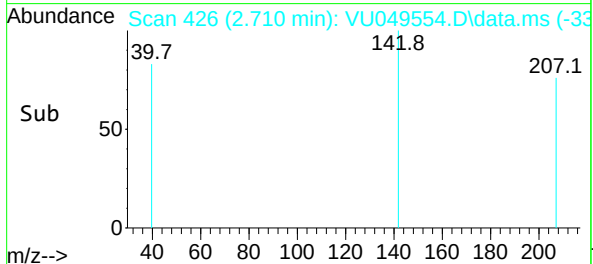
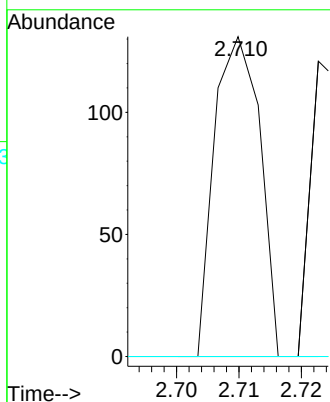
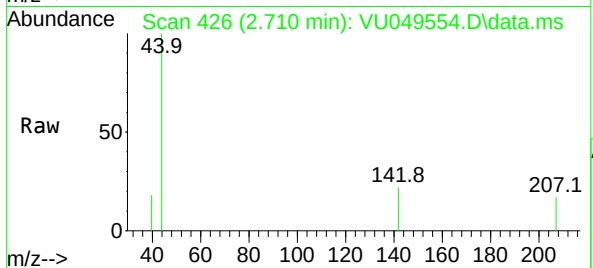




#10
Methyl Iodide
Concen: 7.532 ug/l
RT: 2.710 min Scan# 41
Delta R.T. 0.003 min
Lab File: VU049554.D
Acq: 30 Jun 2022 11:21

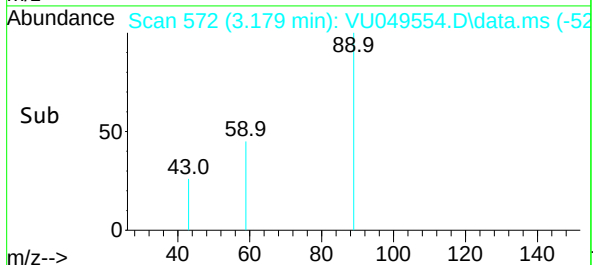
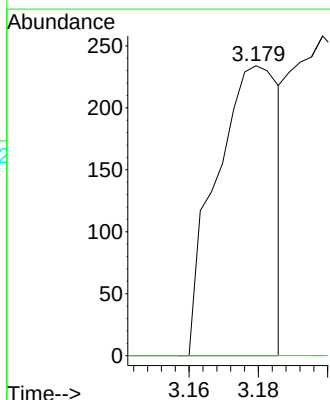
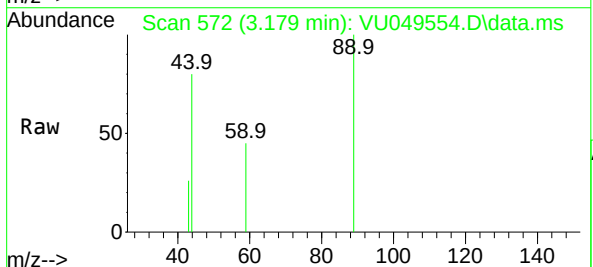
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBL01

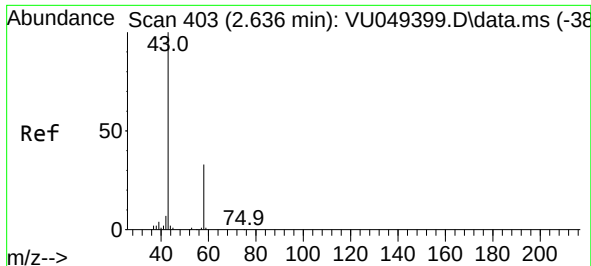
Tgt Ion:142 Resp: 66
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.304 ug/l
RT: 3.179 min Scan# 572
Delta R.T. -0.132 min
Lab File: VU049554.D
Acq: 30 Jun 2022 11:21

Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#





#16

Acetone

Concen: 0.644 ug/l

RT: 2.633 min Scan# 40

Delta R.T. -0.003 min

Lab File: VU049554.D

Acq: 30 Jun 2022 11:21

Instrument :

MSVOA_U

ClientSampleId :

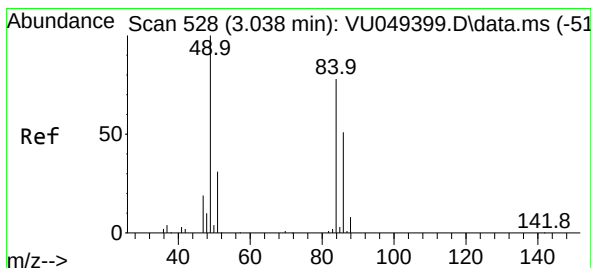
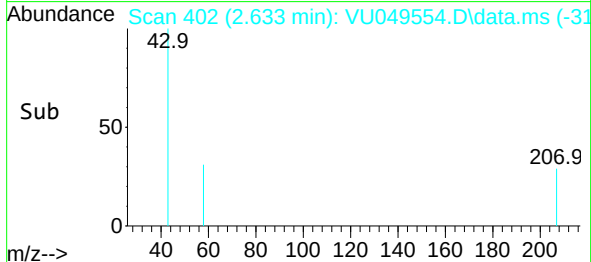
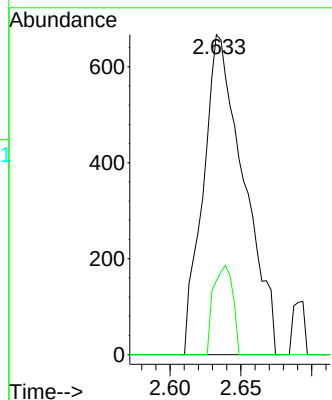
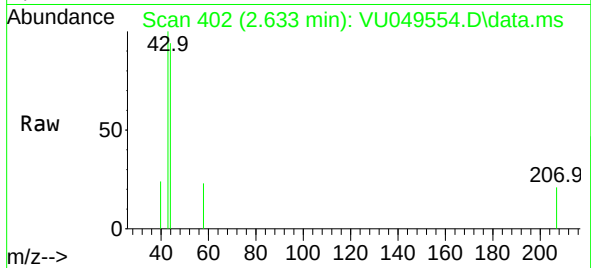
VU0630WBL01

Tgt Ion: 43 Resp: 1332

Ion Ratio Lower Upper

43 100

58 23.1 27.5 41.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 3.041 min Scan# 529

Delta R.T. 0.003 min

Lab File: VU049554.D

Acq: 30 Jun 2022 11:21

Tgt Ion: 84 Resp: 637

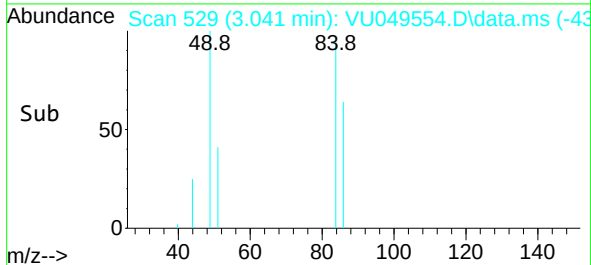
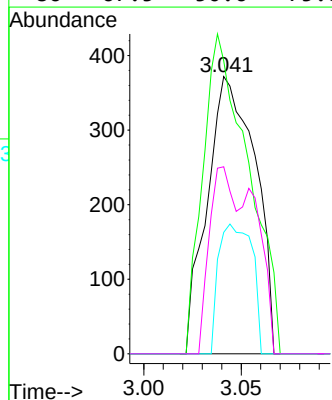
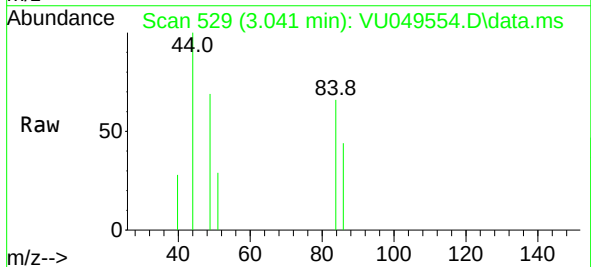
Ion Ratio Lower Upper

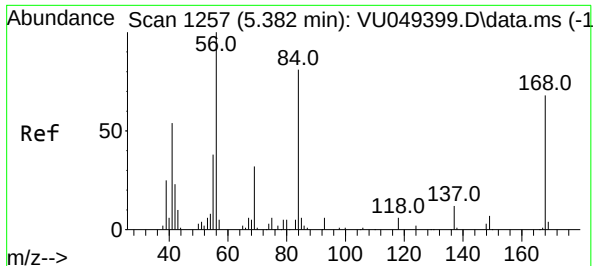
84 100

49 105.6 86.6 129.8

51 43.8 26.6 40.0#

86 67.5 50.6 75.8

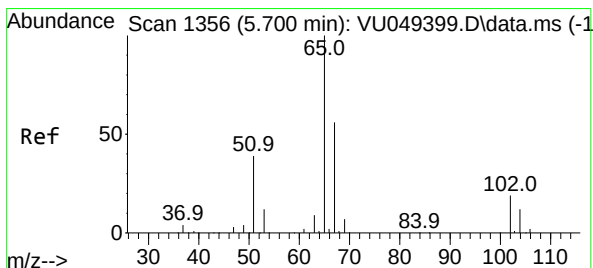
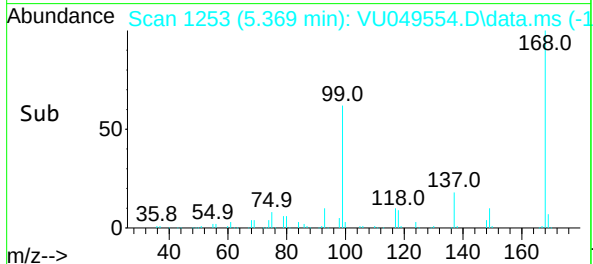
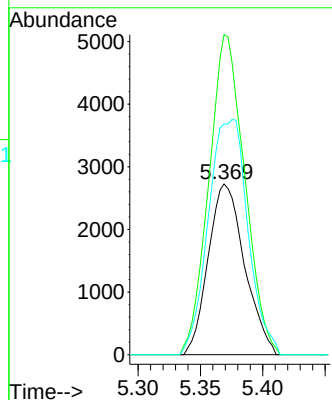
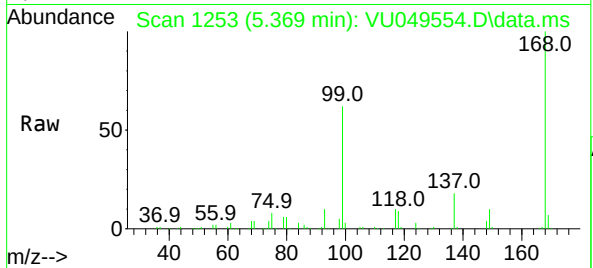




#31
Cyclohexane
Concen: 0.898 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.013 min
Lab File: VU049554.D
Acq: 30 Jun 2022 11:21

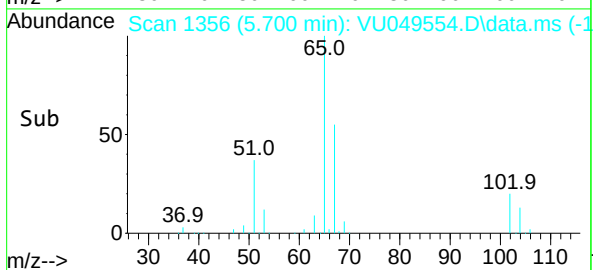
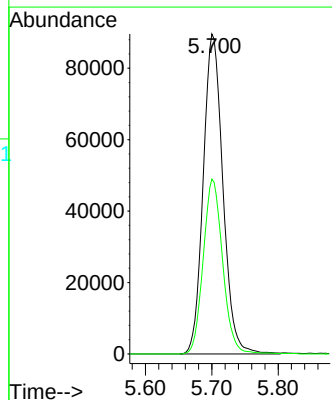
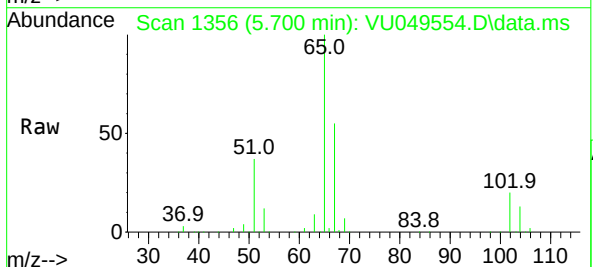
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBL01

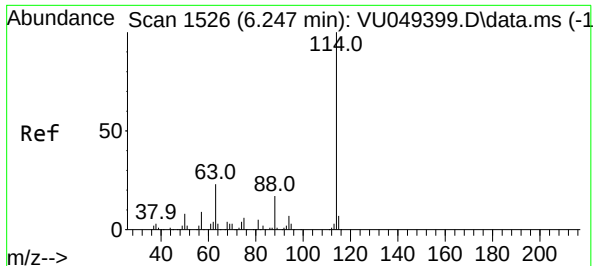
Tgt Ion: 56 Resp: 5528
Ion Ratio Lower Upper
56 100
69 187.4 27.8 41.8#
84 135.0 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 45.044 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU049554.D
Acq: 30 Jun 2022 11:21

Tgt Ion: 65 Resp: 184647
Ion Ratio Lower Upper
65 100
67 53.9 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: VU049554.D

Acq: 30 Jun 2022 11:21

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBL01

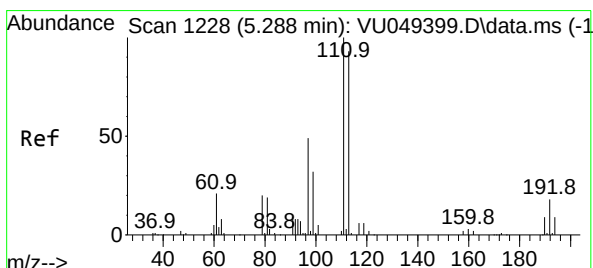
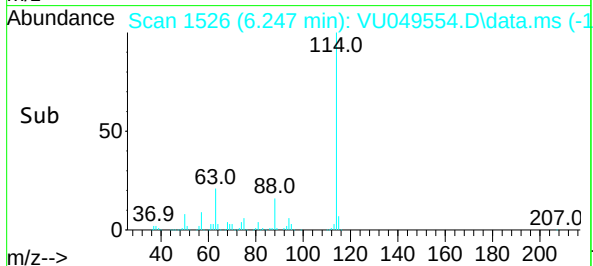
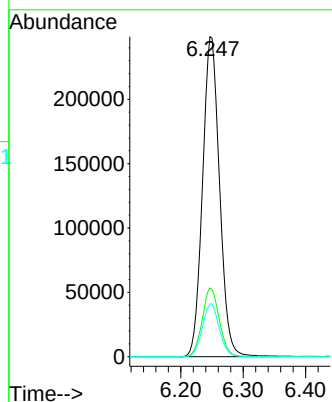
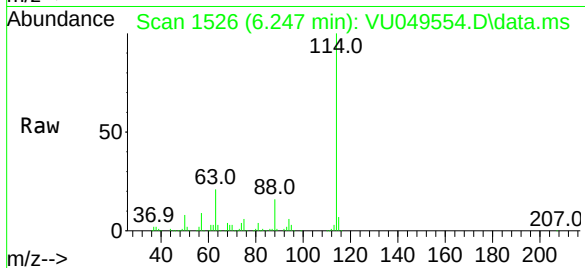
Tgt Ion:114 Resp: 471262

Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.8

88 16.5 0.0 29.2



#35

Dibromofluoromethane

Concen: 45.058 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049554.D

Acq: 30 Jun 2022 11:21

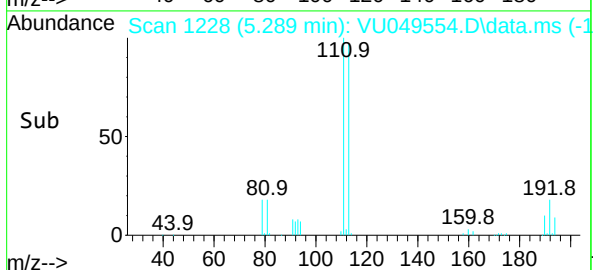
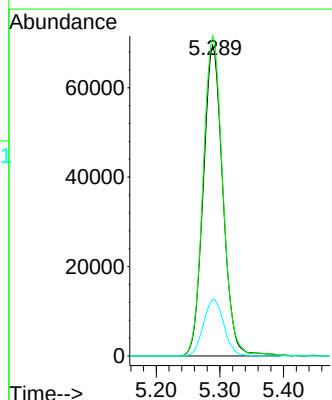
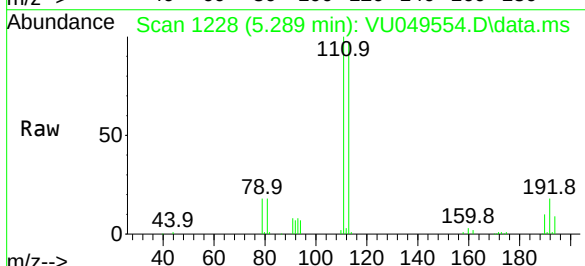
Tgt Ion:113 Resp: 148558

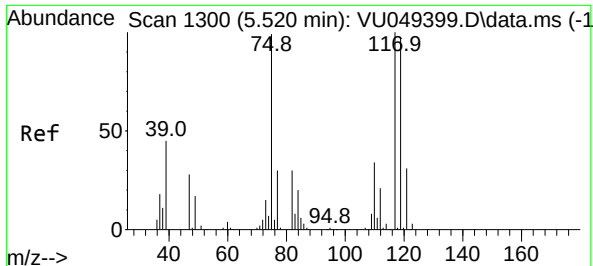
Ion Ratio Lower Upper

113 100

111 103.1 82.1 123.1

192 19.1 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.574 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049554.D

Acq: 30 Jun 2022 11:21

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBL01

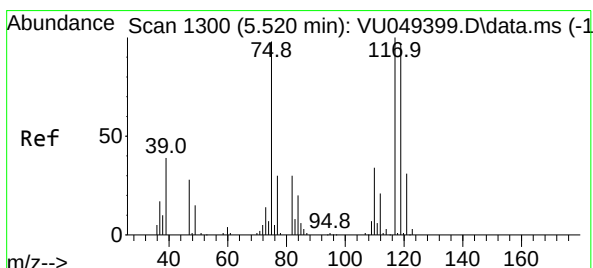
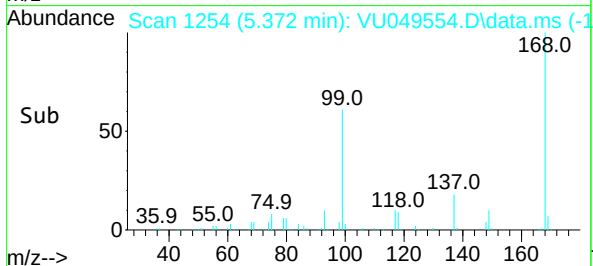
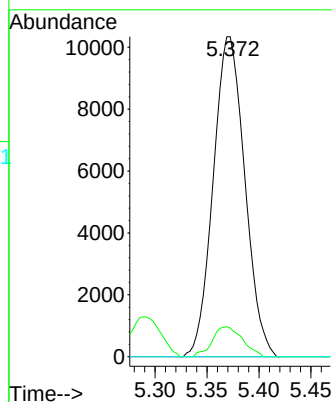
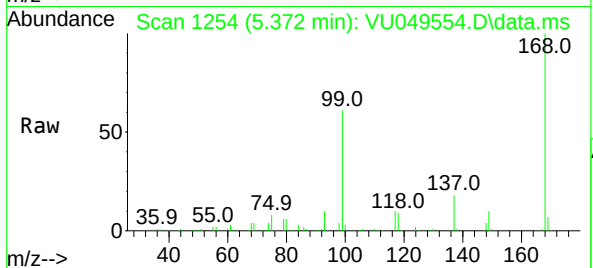
Tgt Ion: 75 Resp: 21866

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.307 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049554.D

Acq: 30 Jun 2022 11:21

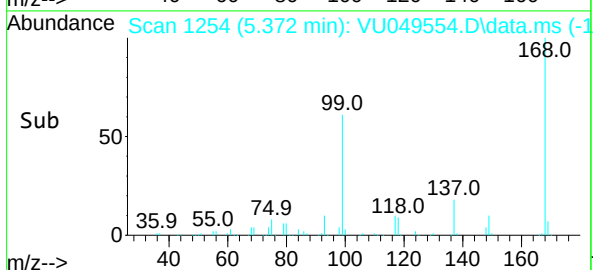
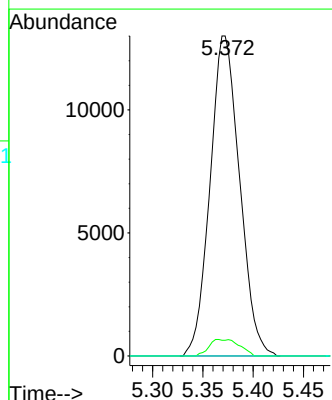
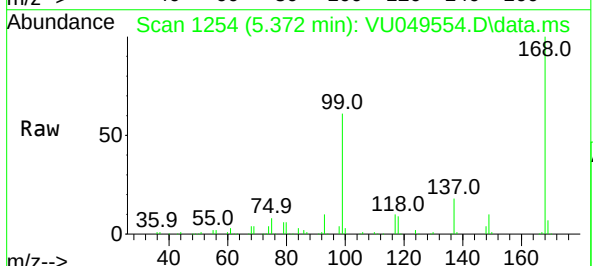
Tgt Ion: 117 Resp: 26607

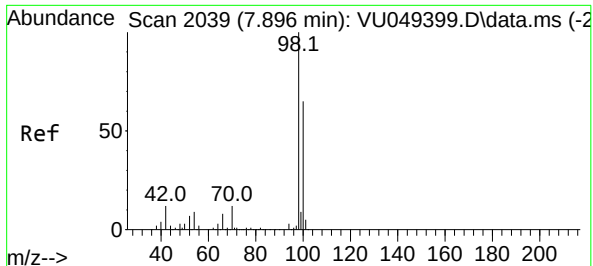
Ion Ratio Lower Upper

117 100

119 4.9 76.8 115.2#

121 0.0 24.7 37.1#

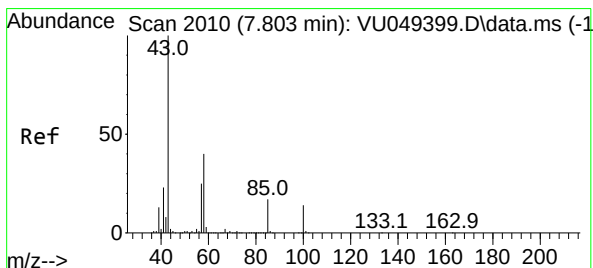
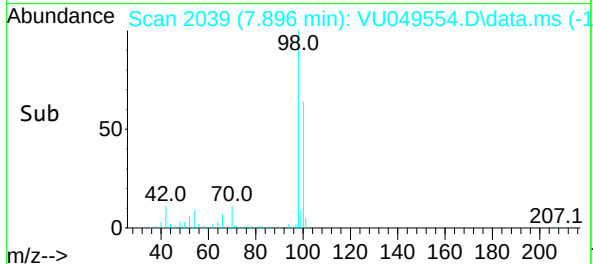
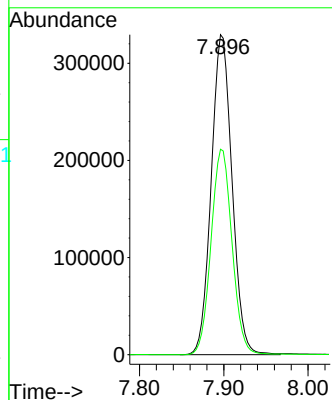
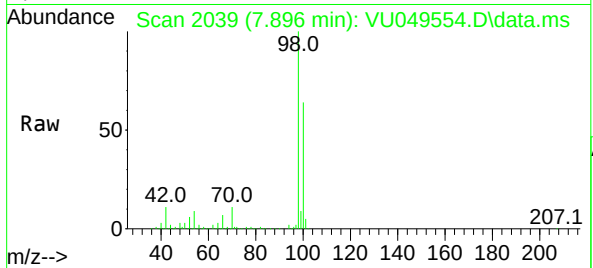




#50
Toluene-d8
Concen: 48.032 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049554.D
Acq: 30 Jun 2022 11:21

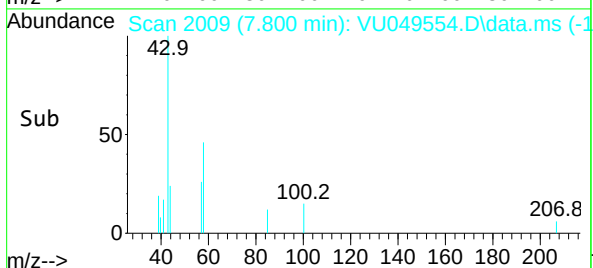
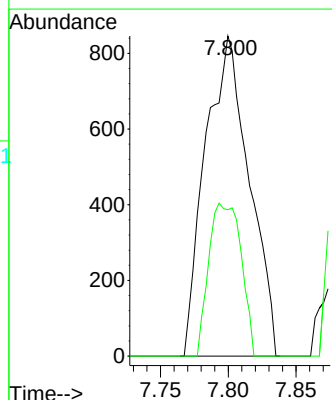
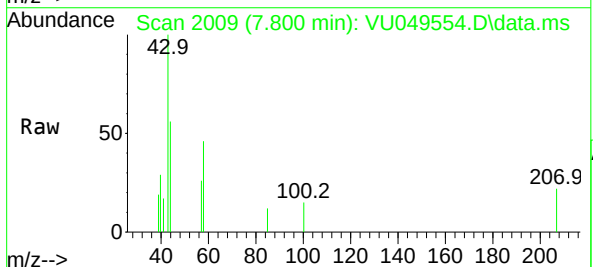
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBL01

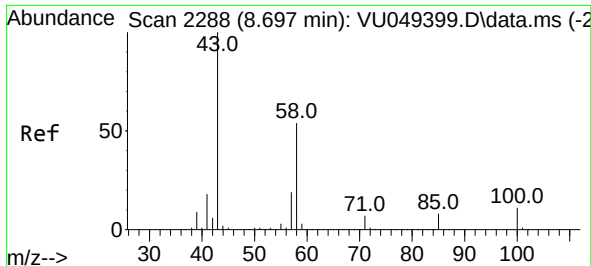
Tgt Ion: 98 Resp: 564848
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.297 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.003 min
Lab File: VU049554.D
Acq: 30 Jun 2022 11:21

Tgt Ion: 43 Resp: 1903
Ion Ratio Lower Upper
43 100
58 35.1 34.7 52.1





#59

2-Hexanone

Concen: 0.557 ug/l

RT: 8.694 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU049554.D

Acq: 30 Jun 2022 11:21

Instrument :

MSVOA_U

ClientSampleId :

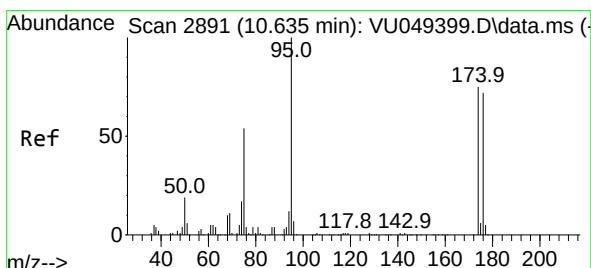
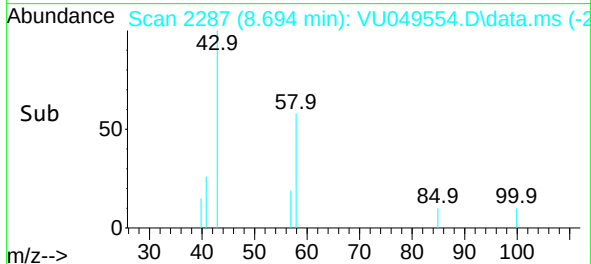
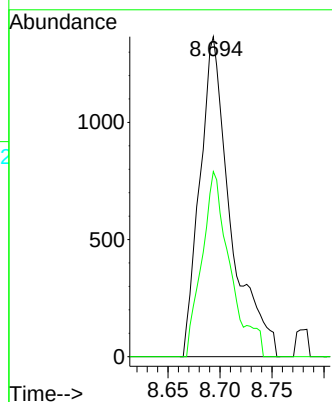
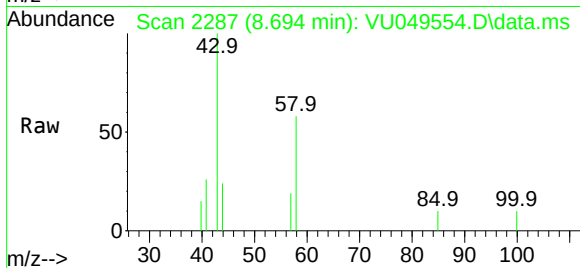
VU0630WBL01

Tgt Ion: 43 Resp: 2808

Ion Ratio Lower Upper

43 100

58 52.8 30.3 90.8



#62

4-Bromofluorobenzene

Concen: 45.889 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.003 min

Lab File: VU049554.D

Acq: 30 Jun 2022 11:21

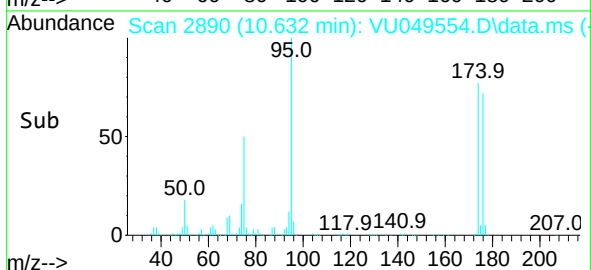
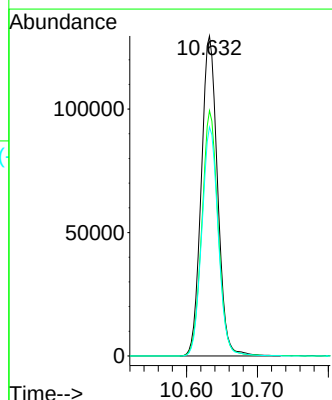
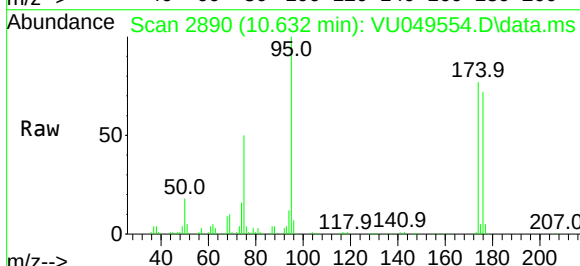
Tgt Ion: 95 Resp: 206721

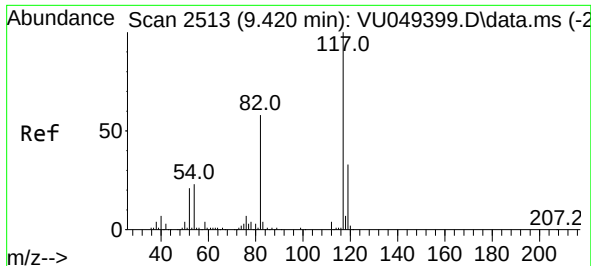
Ion Ratio Lower Upper

95 100

174 76.3 0.0 182.0

176 72.0 0.0 177.8

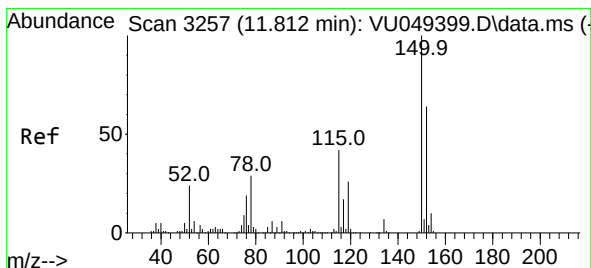
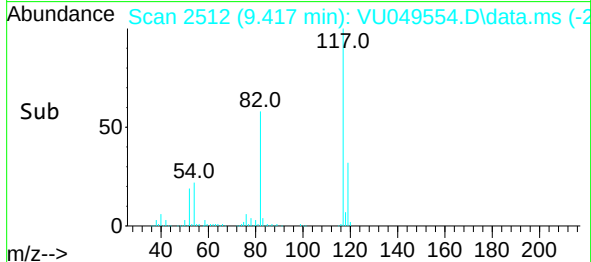
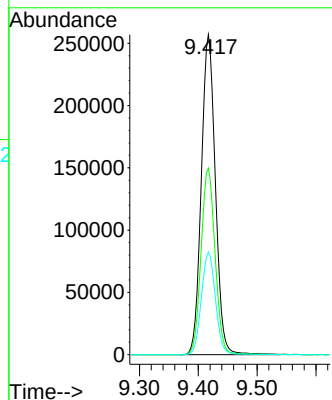
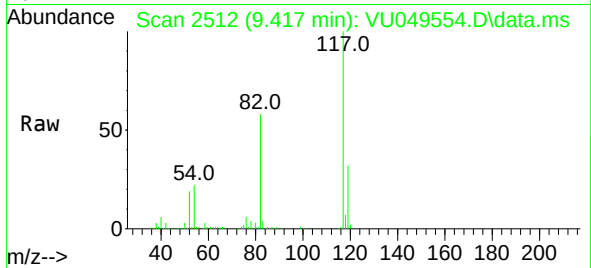




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049554.D
Acq: 30 Jun 2022 11:21

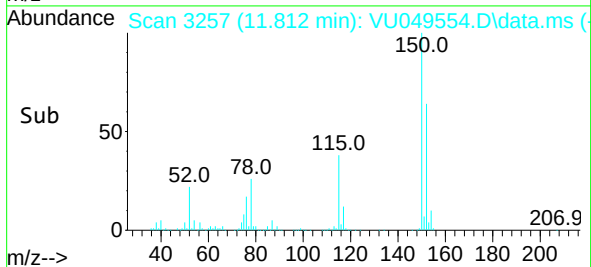
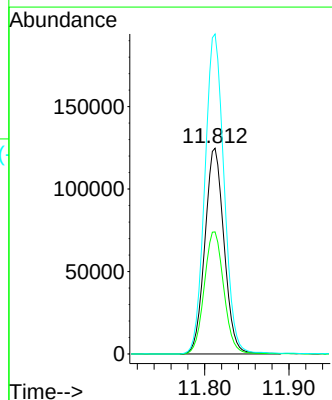
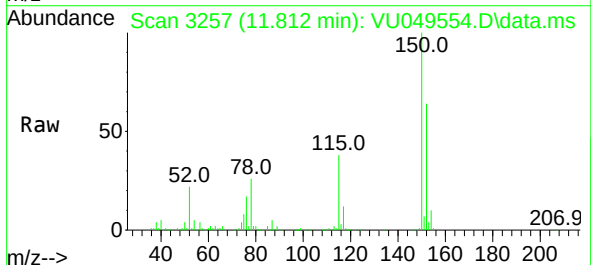
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBL01

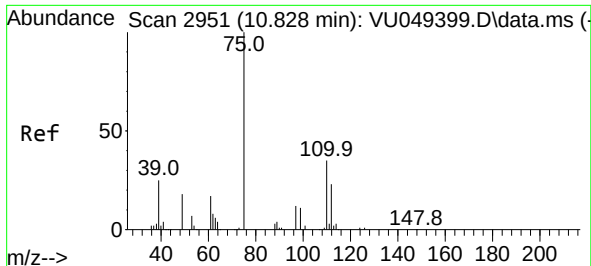
Tgt Ion:117 Resp: 426282
Ion Ratio Lower Upper
117 100
82 58.3 41.7 62.5
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049554.D
Acq: 30 Jun 2022 11:21

Tgt Ion:152 Resp: 198144
Ion Ratio Lower Upper
152 100
115 60.5 37.0 110.9
150 155.9 0.0 342.2

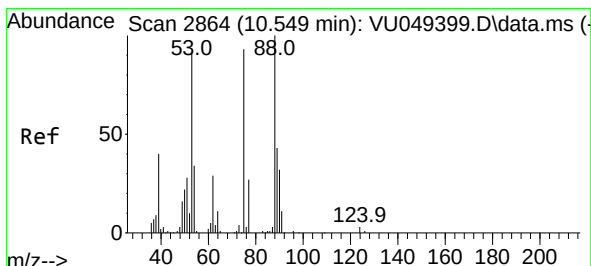
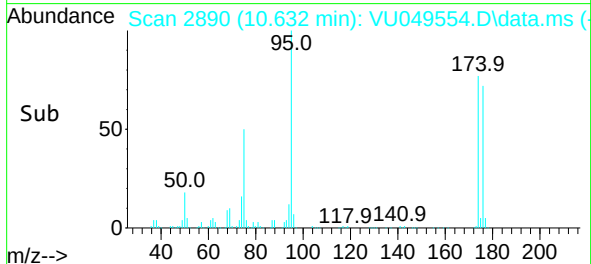
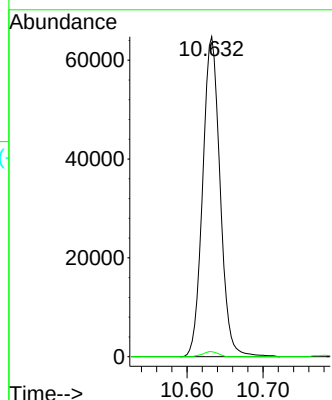
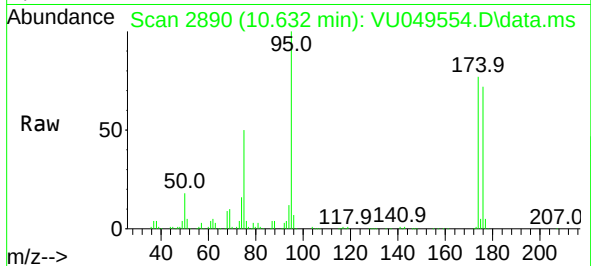




#76
1,2,3-Trichloropropane
Concen: 15.339 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049554.D
Acq: 30 Jun 2022 11:21

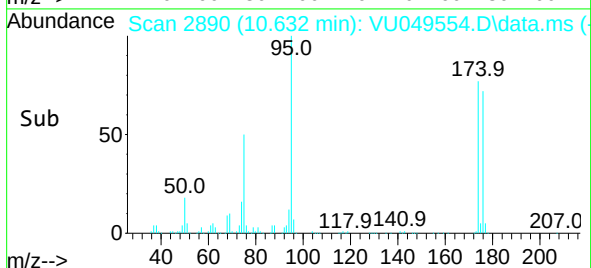
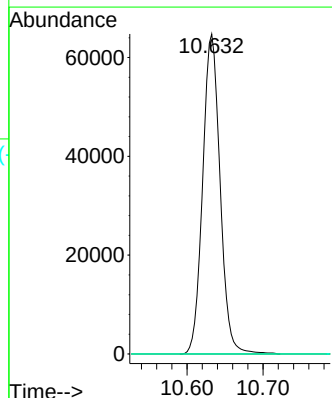
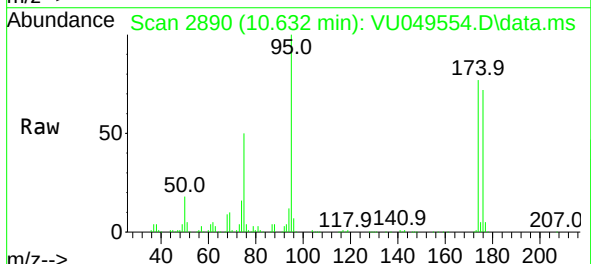
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBL01

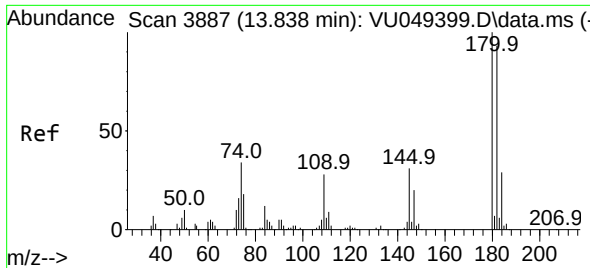
Tgt Ion: 75 Resp: 103033
Ion Ratio Lower Upper
75 100
77 1.4 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.646 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049554.D
Acq: 30 Jun 2022 11:21

Tgt Ion: 75 Resp: 103033
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#

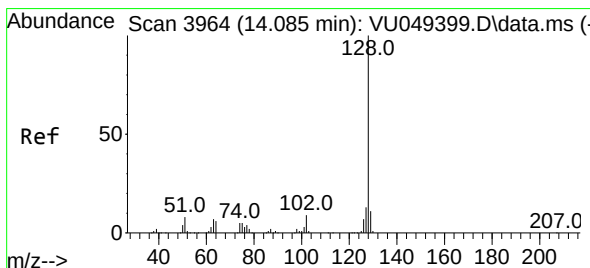
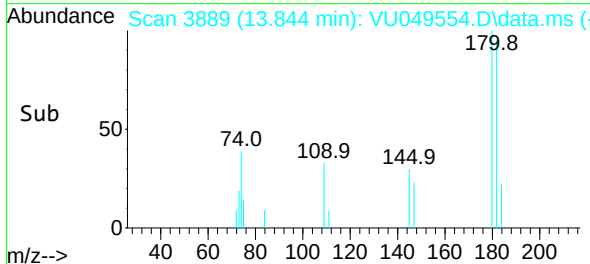
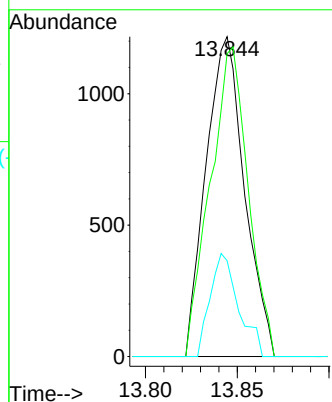
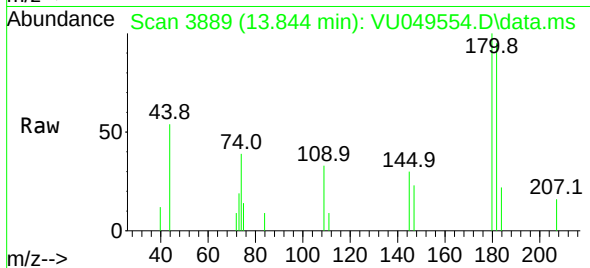




#93
1,2,4-Trichlorobenzene
Concen: 2.139 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.007 min
Lab File: VU049554.D
Acq: 30 Jun 2022 11:21

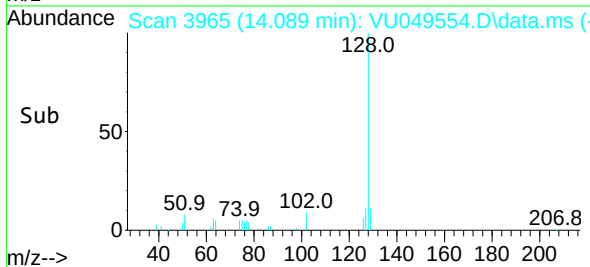
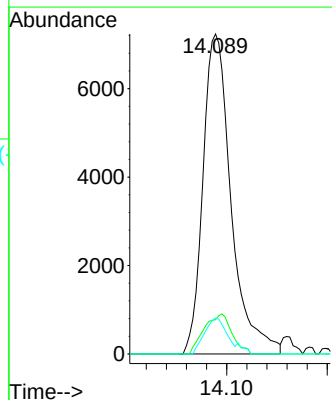
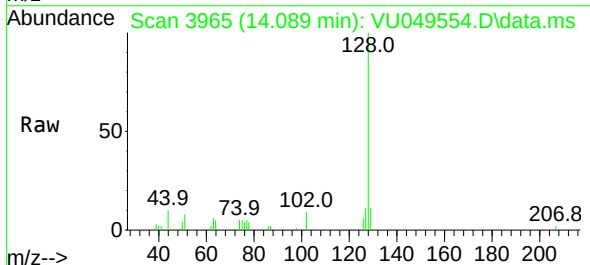
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBL01

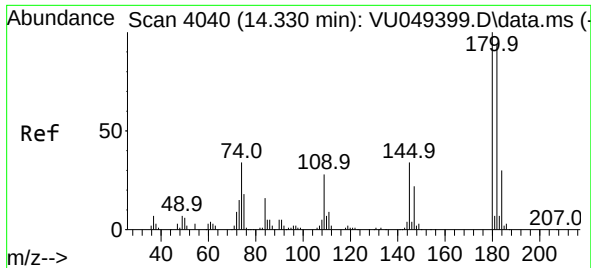
Tgt Ion:180 Resp: 1773
Ion Ratio Lower Upper
180 100
182 95.2 47.9 143.6
145 23.8 14.0 41.9



#95
Naphthalene
Concen: 2.612 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU049554.D
Acq: 30 Jun 2022 11:21

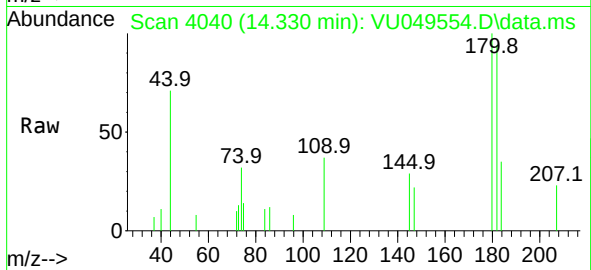
Tgt Ion:128 Resp: 14071
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 9.6 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.680 ug/l
 RT: 14.330 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: VU049554.D
 Acq: 30 Jun 2022 11:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBL01



Tgt Ion:	180	Resp:	2352
Ion Ratio	Lower	Upper	
180	100		
182	91.1	48.4	145.0
145	28.3	14.8	44.4

