

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049536.D
 Acq On : 30 Jun 2022 01:34
 Operator : SY/MD
 Sample : N3535-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

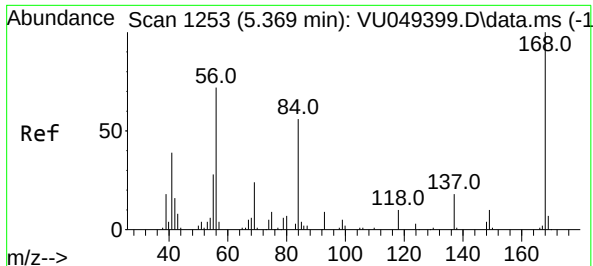
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 30 04:13:39 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	251322	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	443796	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	405516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	184055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	179371	46.343	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.680%
35) Dibromofluoromethane	5.288	113	141161	45.464	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.920%
50) Toluene-d8	7.896	98	535851	48.387	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.780%
62) 4-Bromofluorobenzene	10.632	95	190620	44.934	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.860%
Target Compounds						
						Qvalue
5) Bromomethane	1.848	94	398	0.315	ug/l	# 75
6) Chloroethane	1.880	64	44	1.938	ug/l	# 44
10) Methyl Iodide	2.726	142	148	7.559	ug/l	# 43
13) Acrolein	2.488	56	144	0.235	ug/l	98
16) Acetone	2.639	43	3177	1.628	ug/l	100
20) Methylene Chloride	3.035	84	97	Below Cal	#	48
31) Cyclohexane	5.375	56	5245	0.902	ug/l	# 1
36) 1,1-Dichloropropene	5.369	75	20399	4.531	ug/l	# 49
38) Carbon Tetrachloride	5.369	117	25087	5.313	ug/l	# 15
76) 1,2,3-Trichloropropane	10.632	75	96700	15.499	ug/l	# 45
81) trans-1,4-Dichloro-2-b...	10.632	75	96700	57.234	ug/l	# 15
93) 1,2,4-Trichlorobenzene	13.838	180	119	1.782	ug/l	# 55
95) Naphthalene	14.098	128	1618	1.844	ug/l	# 79
96) 1,2,3-Trichlorobenzene	14.340	180	332	1.254	ug/l	# 64

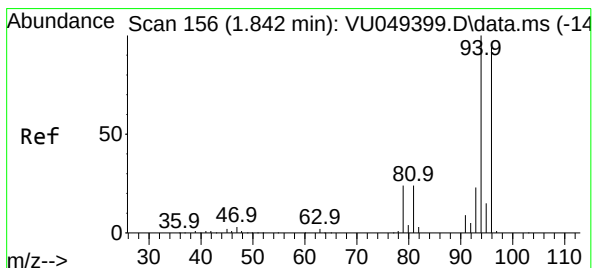
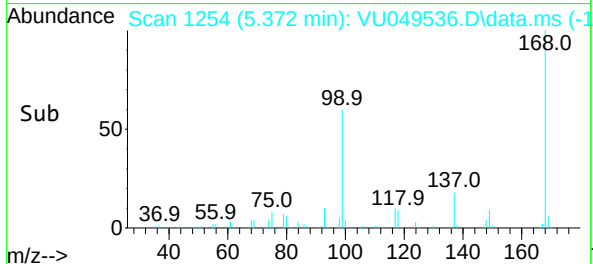
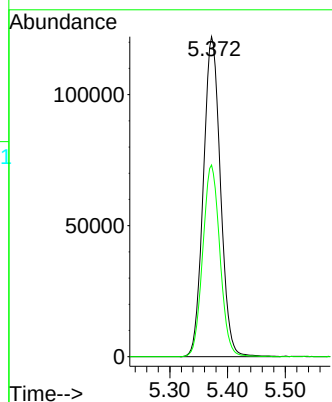
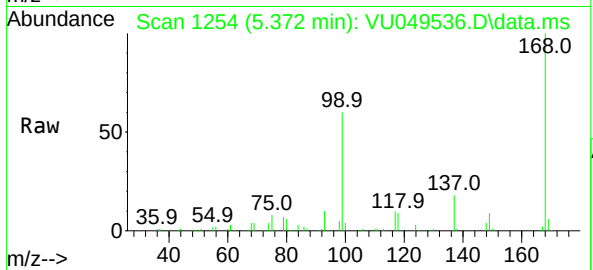
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049536.D
Acq: 30 Jun 2022 01:34

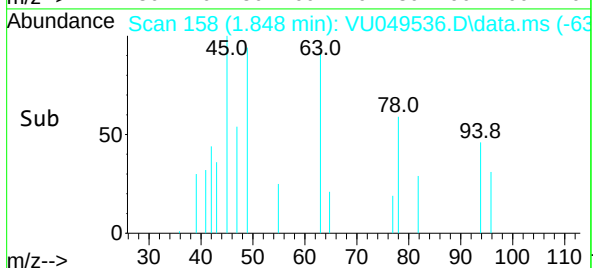
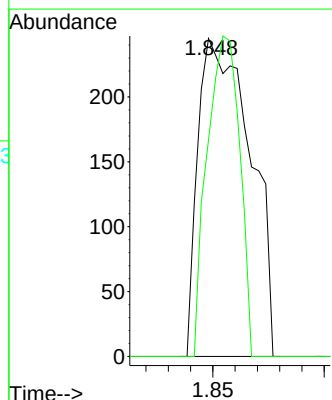
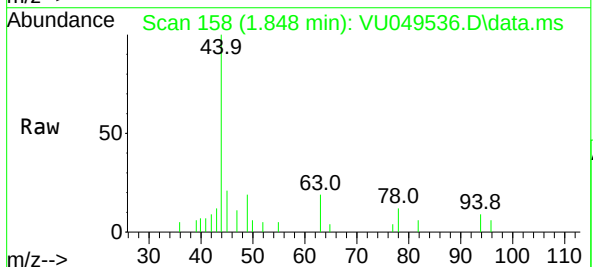
Instrument :
MSVOA_U
ClientSampleId :

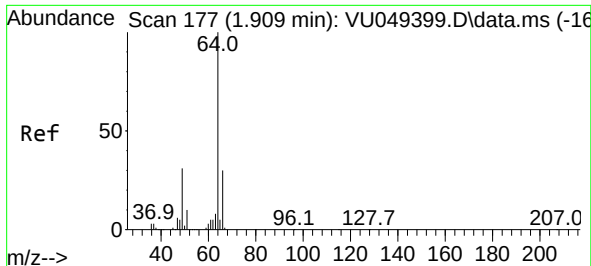
Tgt Ion:168 Resp: 251322
Ion Ratio Lower Upper
168 100
99 59.9 39.3 58.9#



#5
Bromomethane
Concen: 0.315 ug/l
RT: 1.848 min Scan# 158
Delta R.T. 0.006 min
Lab File: VU049536.D
Acq: 30 Jun 2022 01:34

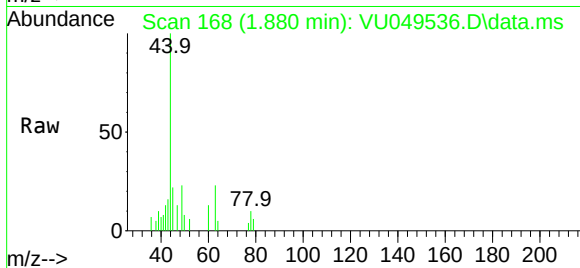
Tgt Ion: 94 Resp: 398
Ion Ratio Lower Upper
94 100
96 68.2 73.7 110.5#



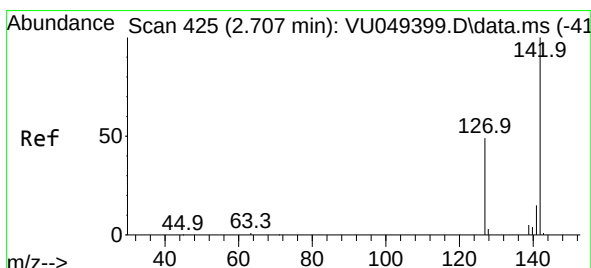
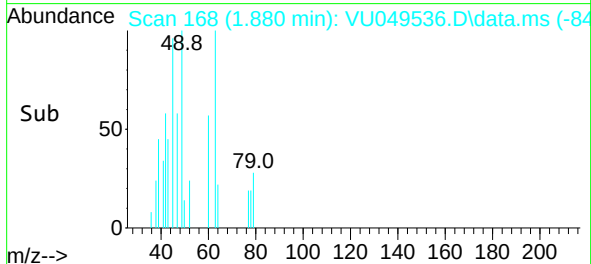
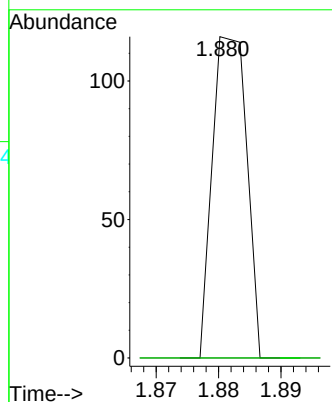


#6
Chloroethane
Concen: 1.938 ug/l
RT: 1.880 min Scan# 11
Delta R.T. -0.029 min
Lab File: VU049536.D
Acq: 30 Jun 2022 01:34

Instrument :
MSVOA_U
ClientSampleId :

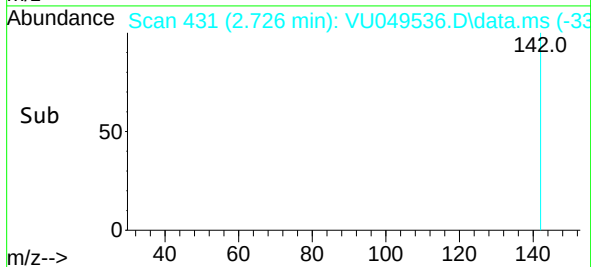
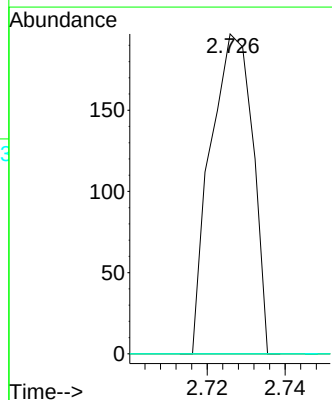
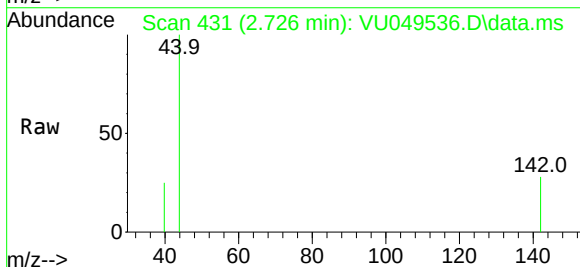


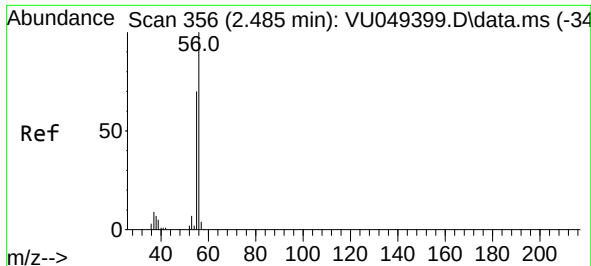
Tgt Ion: 64 Resp: 44
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#10
Methyl Iodide
Concen: 7.559 ug/l
RT: 2.726 min Scan# 431
Delta R.T. 0.019 min
Lab File: VU049536.D
Acq: 30 Jun 2022 01:34

Tgt Ion: 142 Resp: 148
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#





#13

Acrolein

Concen: 0.235 ug/l

RT: 2.488 min Scan# 356

Delta R.T. 0.003 min

Lab File: VU049536.D

Acq: 30 Jun 2022 01:34

Instrument :

MSVOA_U

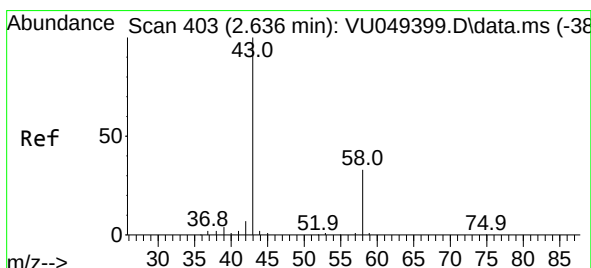
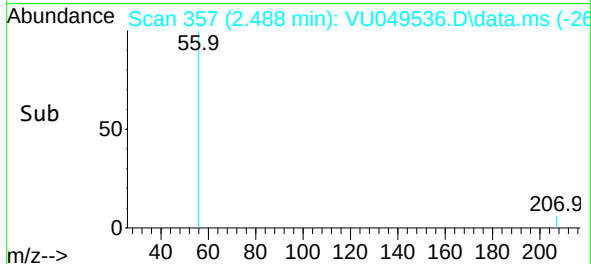
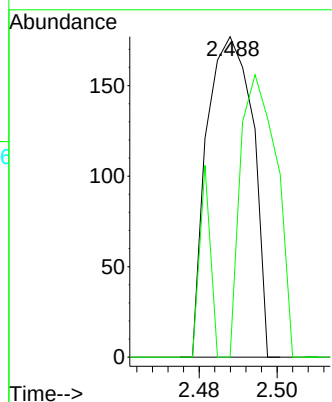
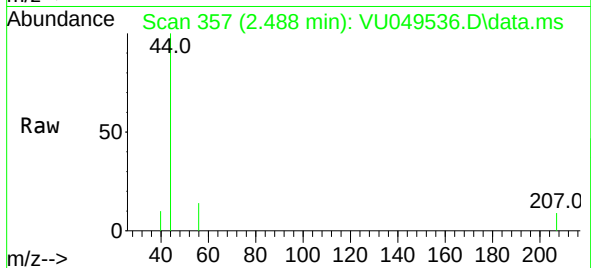
ClientSampleId :

Tgt Ion: 56 Resp: 144

Ion Ratio Lower Upper

56 100

55 69.4 56.6 85.0



#16

Acetone

Concen: 1.628 ug/l

RT: 2.639 min Scan# 404

Delta R.T. 0.003 min

Lab File: VU049536.D

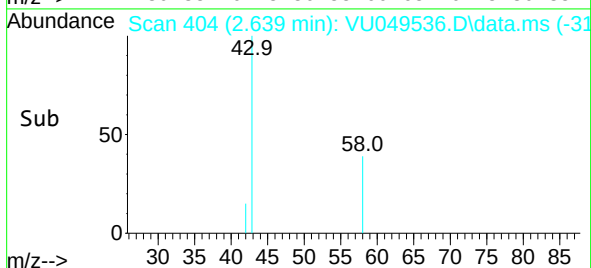
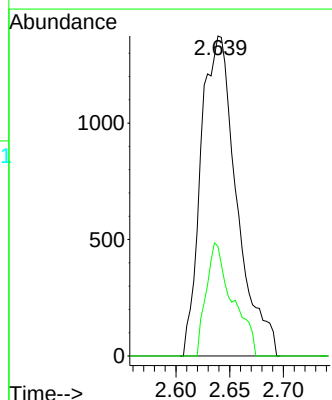
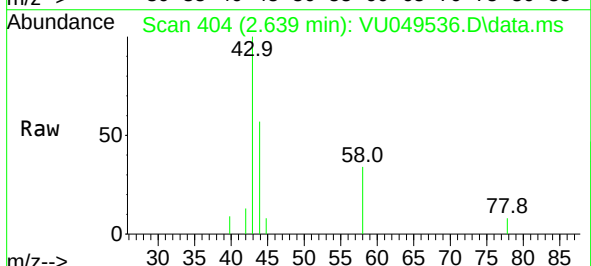
Acq: 30 Jun 2022 01:34

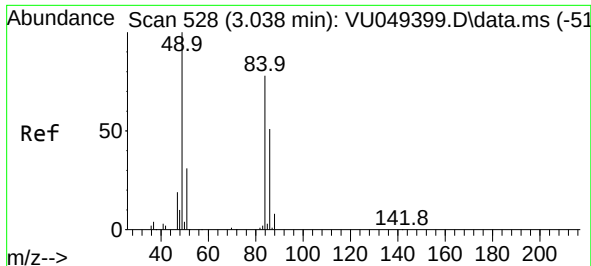
Tgt Ion: 43 Resp: 3177

Ion Ratio Lower Upper

43 100

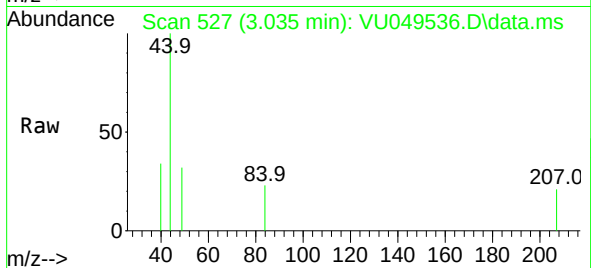
58 34.3 27.5 41.3



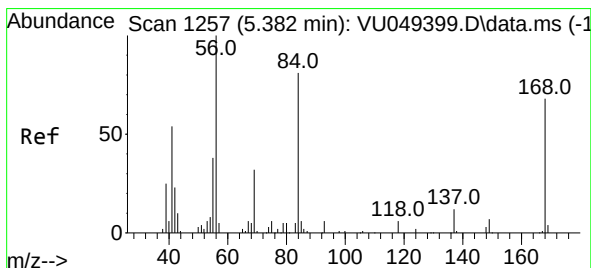
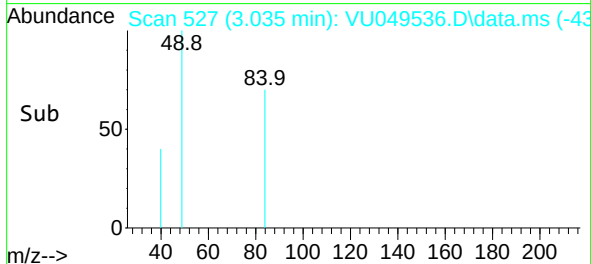
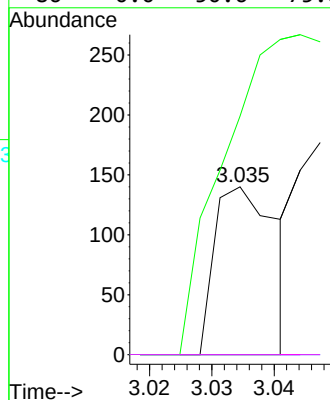


#20
Methylene Chloride
Concen: Below Cal
RT: 3.035 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU049536.D
Acq: 30 Jun 2022 01:34

Instrument :
MSVOA_U
ClientSampleId :

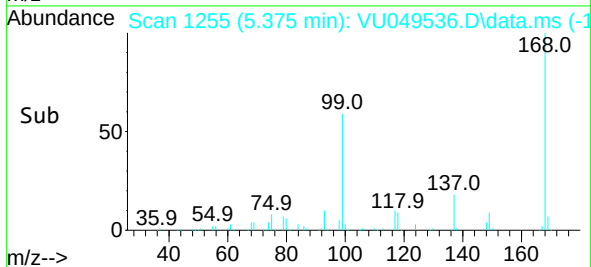
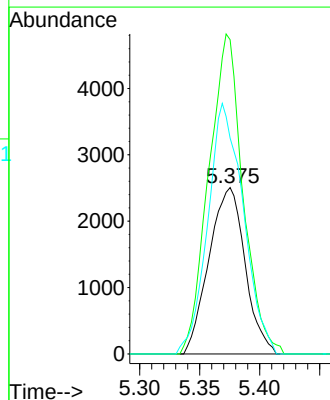
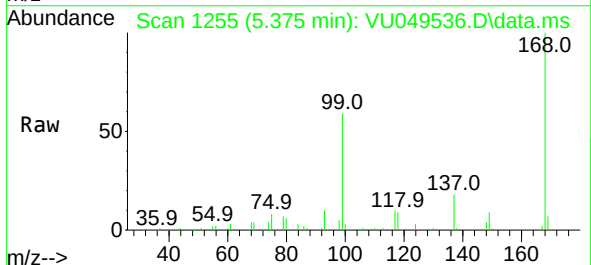


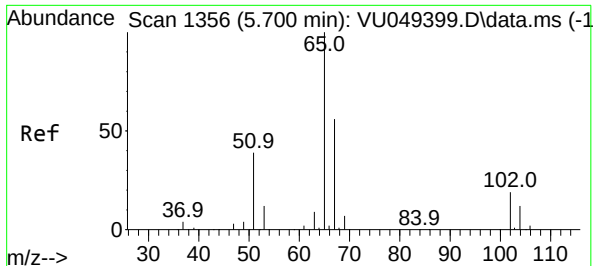
Tgt Ion: 84 Resp: 97
Ion Ratio Lower Upper
84 100
49 142.1 86.6 129.8#
51 0.0 26.6 40.0#
86 0.0 50.6 75.8#



#31
Cyclohexane
Concen: 0.902 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.006 min
Lab File: VU049536.D
Acq: 30 Jun 2022 01:34

Tgt Ion: 56 Resp: 5245
Ion Ratio Lower Upper
56 100
69 188.8 27.8 41.8#
84 129.7 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 46.343 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049536.D

Acq: 30 Jun 2022 01:34

Instrument :

MSVOA_U

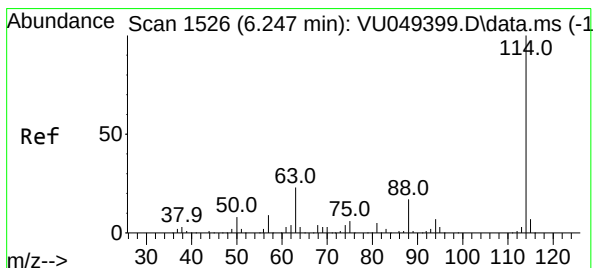
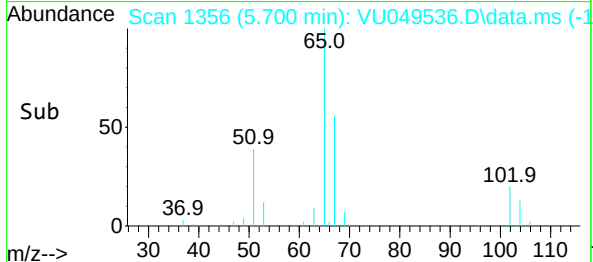
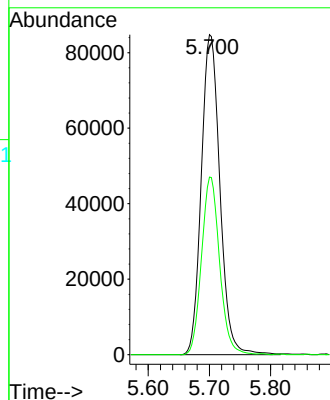
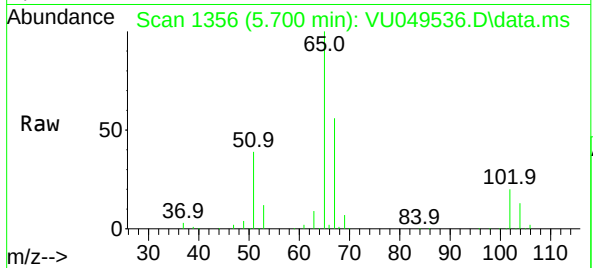
ClientSampleId :

Tgt Ion: 65 Resp: 179371

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. 0.000 min

Lab File: VU049536.D

Acq: 30 Jun 2022 01:34

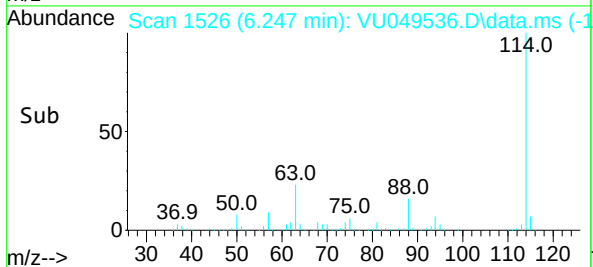
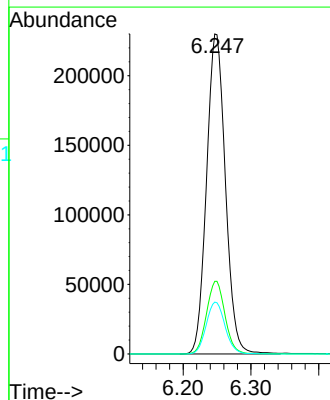
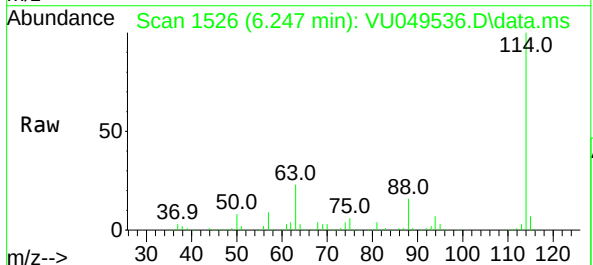
Tgt Ion: 114 Resp: 443796

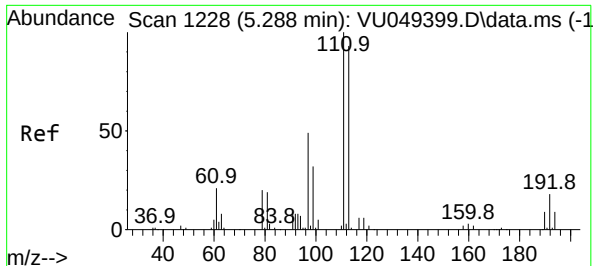
Ion Ratio Lower Upper

114 100

63 22.7 0.0 37.8

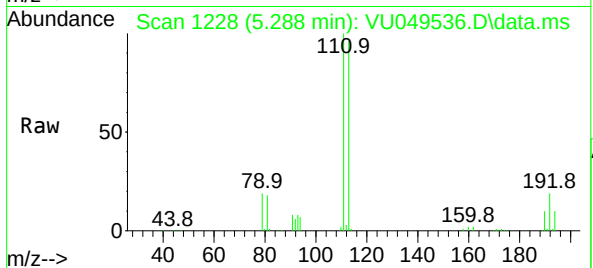
88 16.2 0.0 29.2



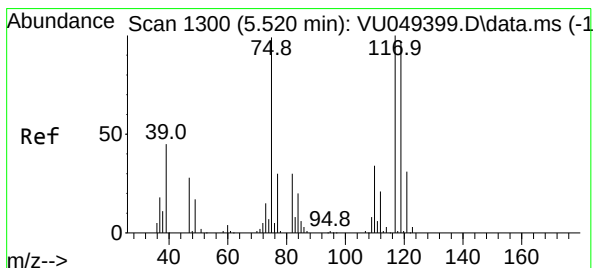
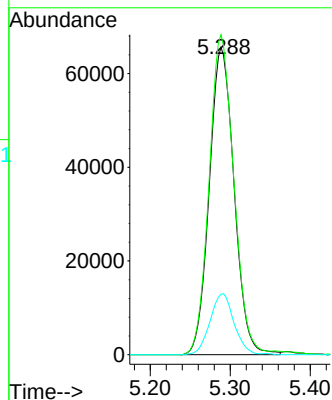
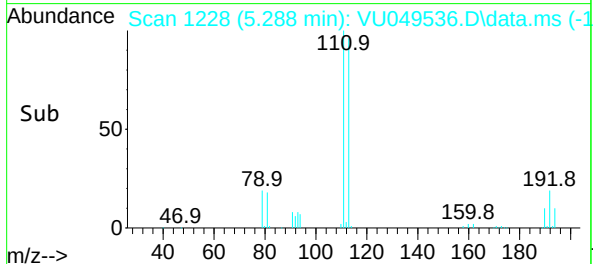


#35
Dibromofluoromethane
Concen: 45.464 ug/l
RT: 5.288 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049536.D
Acq: 30 Jun 2022 01:34

Instrument :
MSVOA_U
ClientSampleId :

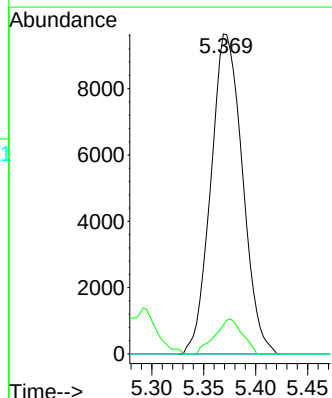
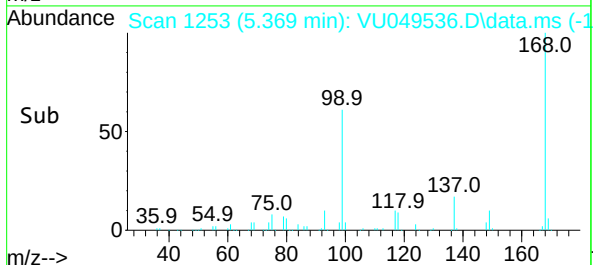
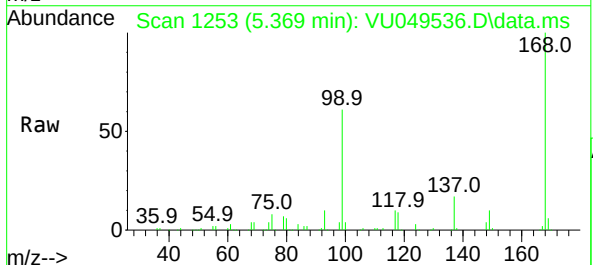


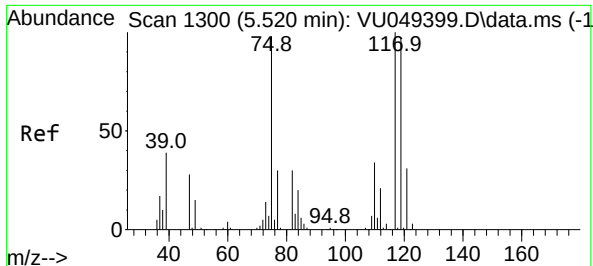
Tgt Ion:113 Resp: 141161
Ion Ratio Lower Upper
113 100
111 103.5 82.1 123.1
192 19.2 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.531 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.151 min
Lab File: VU049536.D
Acq: 30 Jun 2022 01:34

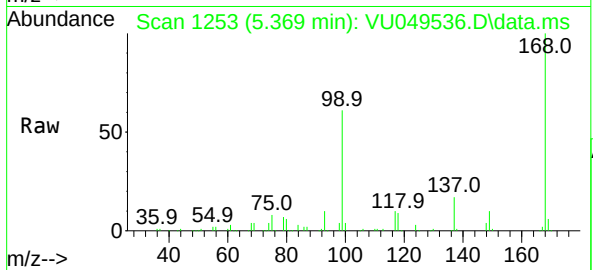
Tgt Ion: 75 Resp: 20399
Ion Ratio Lower Upper
75 100
110 9.4 18.4 55.2#
77 0.0 25.1 37.7#



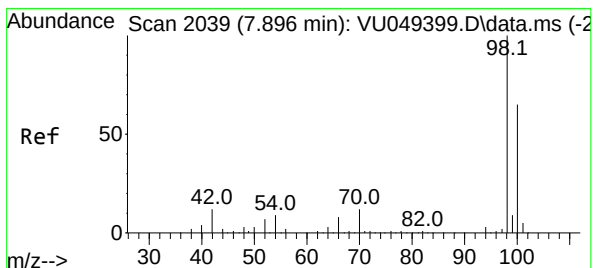
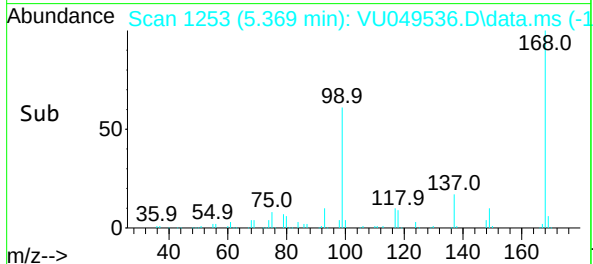
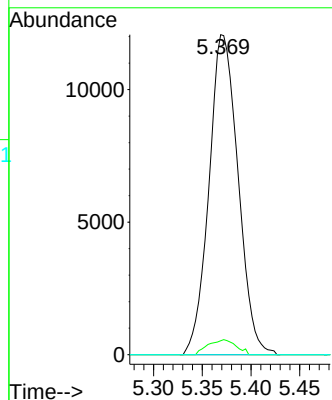


#38
Carbon Tetrachloride
Concen: 5.313 ug/l
RT: 5.369 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU049536.D
Acq: 30 Jun 2022 01:34

Instrument :
MSVOA_U
ClientSampleId :

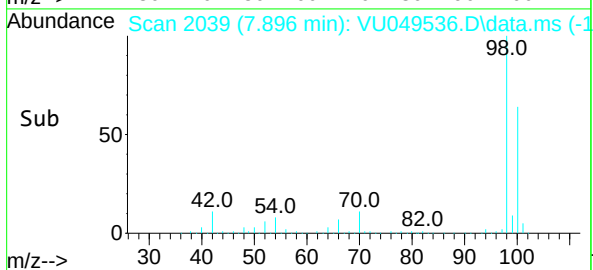
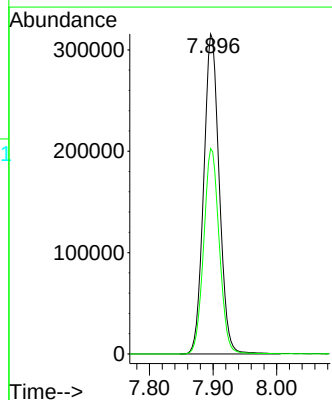
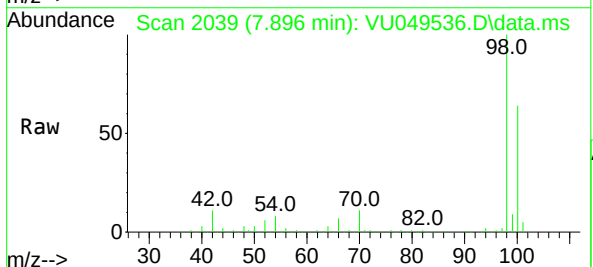


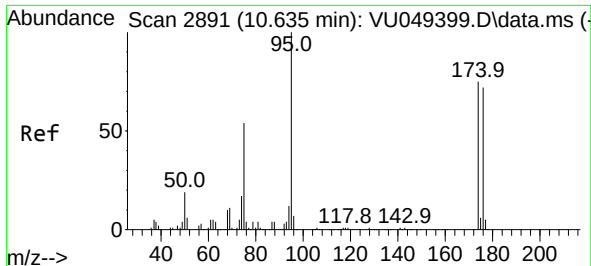
Tgt Ion:117 Resp: 25087
Ion Ratio Lower Upper
117 100
119 4.3 76.8 115.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.387 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049536.D
Acq: 30 Jun 2022 01:34

Tgt Ion: 98 Resp: 535851
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5

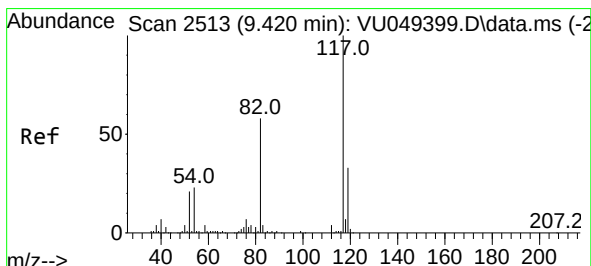
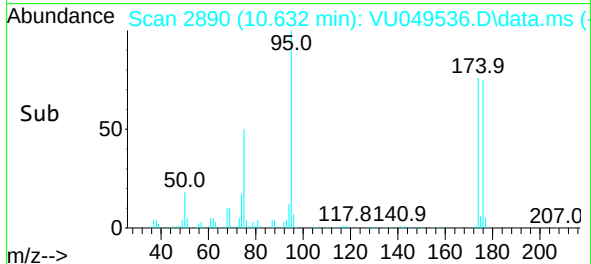
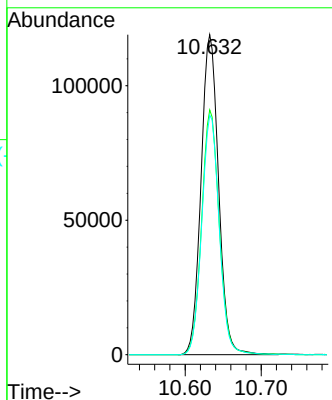
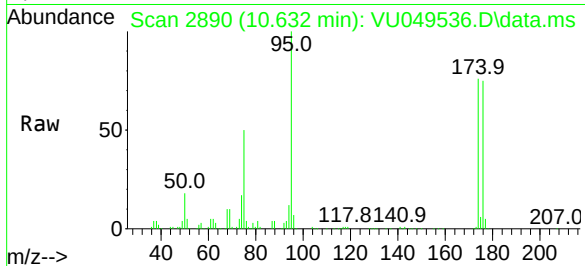




#62
4-Bromofluorobenzene
Concen: 44.934 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049536.D
Acq: 30 Jun 2022 01:34

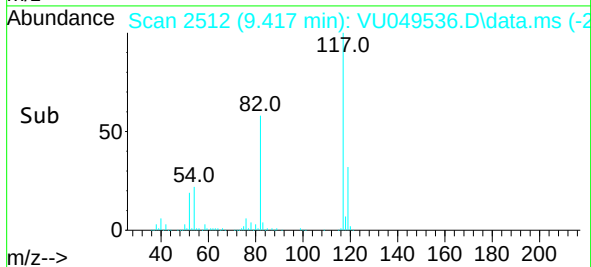
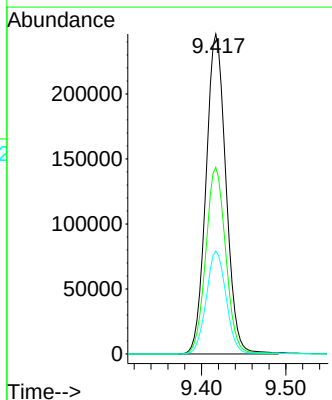
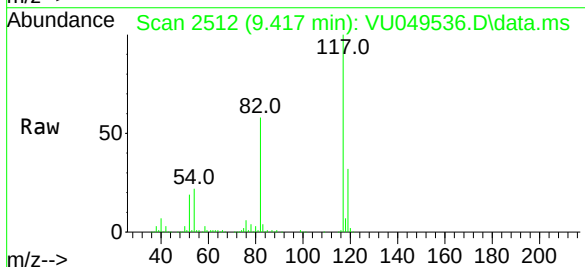
Instrument :
MSVOA_U
ClientSampleId :

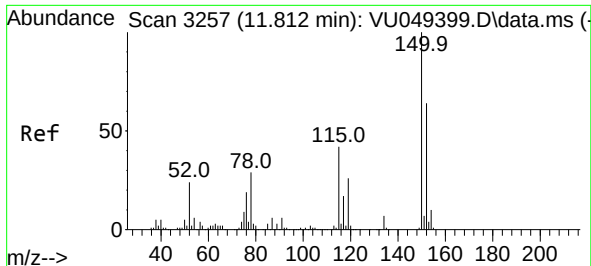
Tgt Ion: 95 Resp: 190620
Ion Ratio Lower Upper
95 100
174 76.7 0.0 182.0
176 74.7 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049536.D
Acq: 30 Jun 2022 01:34

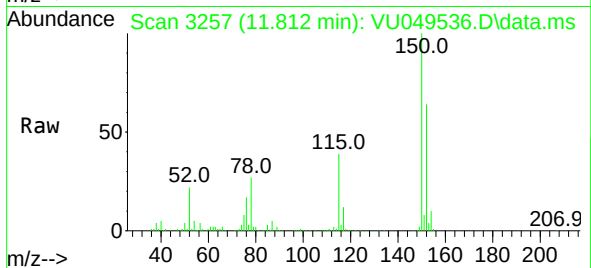
Tgt Ion: 117 Resp: 405516
Ion Ratio Lower Upper
117 100
82 58.3 41.7 62.5
119 32.2 25.7 38.5



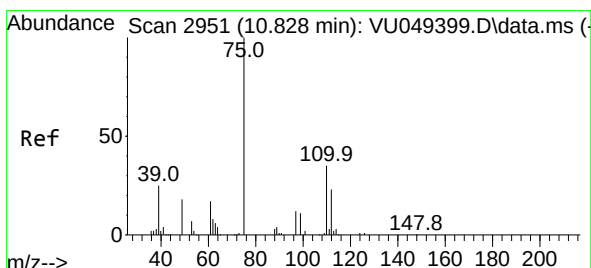
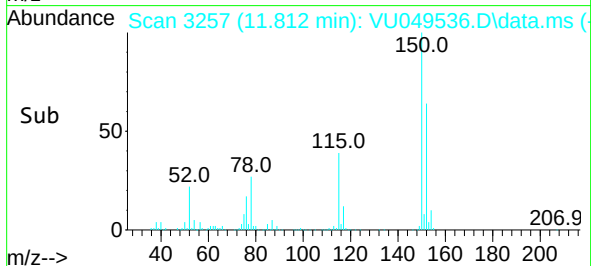
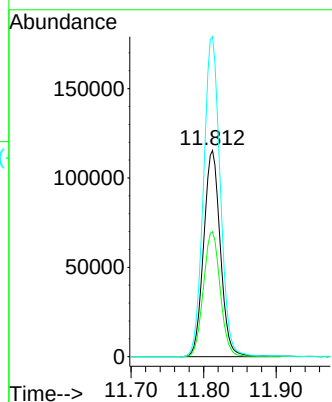


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049536.D
 Acq: 30 Jun 2022 01:34

Instrument :
 MSVOA_U
 ClientSampleId :

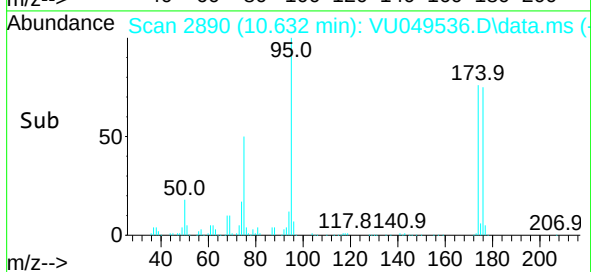
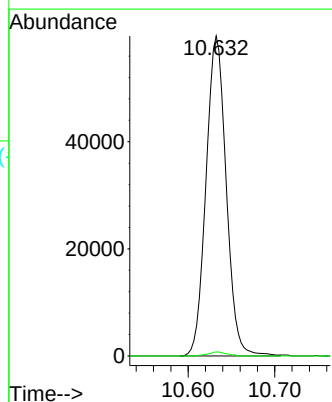
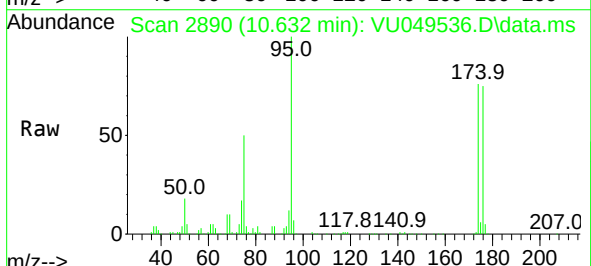


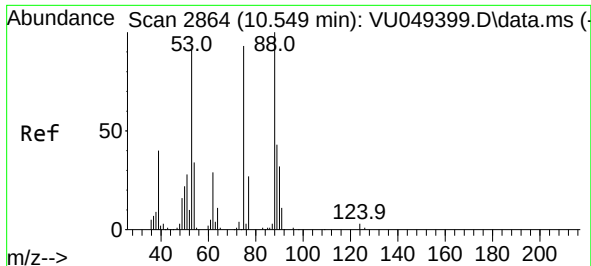
Tgt Ion:152 Resp: 184055
 Ion Ratio Lower Upper
 152 100
 115 61.2 37.0 110.9
 150 155.7 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.499 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049536.D
 Acq: 30 Jun 2022 01:34

Tgt Ion: 75 Resp: 96700
 Ion Ratio Lower Upper
 75 100
 77 1.2 15.8 47.3#

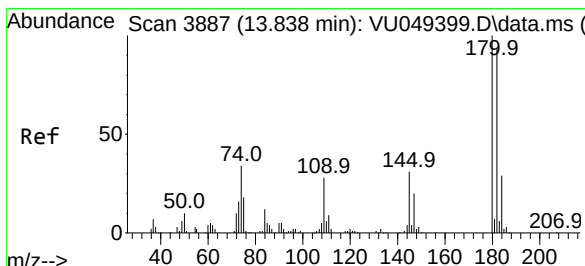
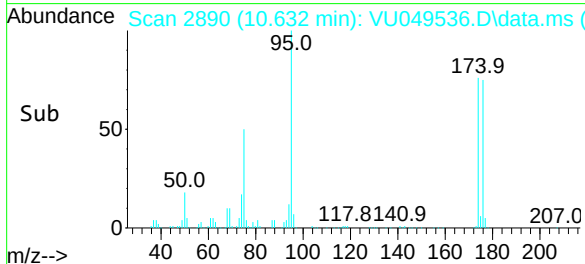
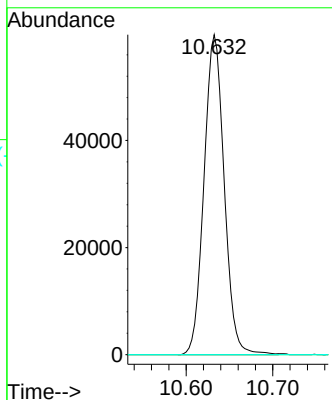
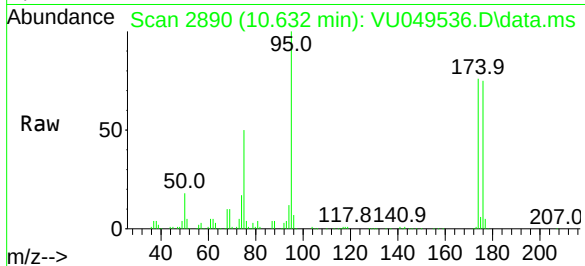




#81
trans-1,4-Dichloro-2-butene
Concen: 57.234 ug/l
RT: 10.632 min Scan# 2864
Delta R.T. 0.084 min
Lab File: VU049536.D
Acq: 30 Jun 2022 01:34

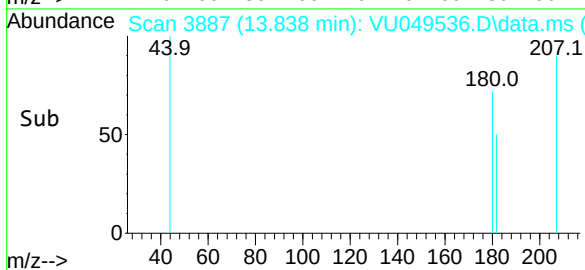
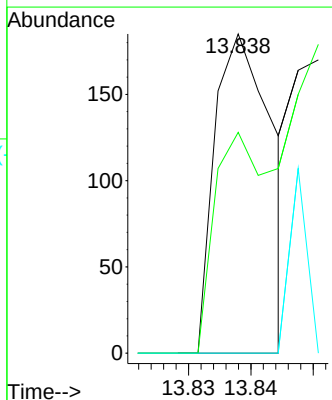
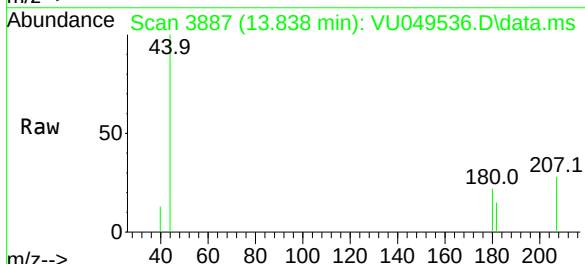
Instrument :
MSVOA_U
ClientSampleId :

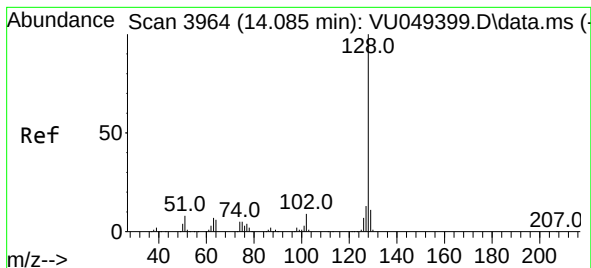
Tgt Ion: 75 Resp: 96700
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.782 ug/l
RT: 13.838 min Scan# 3887
Delta R.T. 0.000 min
Lab File: VU049536.D
Acq: 30 Jun 2022 01:34

Tgt Ion: 180 Resp: 119
Ion Ratio Lower Upper
180 100
182 54.6 47.9 143.6
145 0.0 14.0 41.9#





#95

Naphthalene

Concen: 1.844 ug/l

RT: 14.098 min Scan# 3968

Delta R.T. 0.013 min

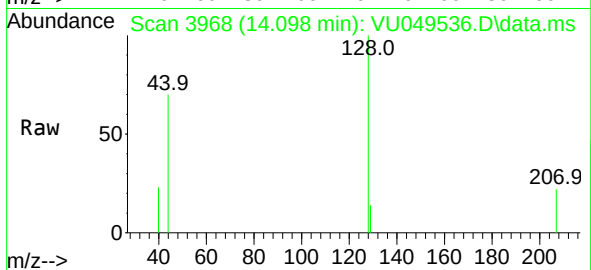
Lab File: VU049536.D

Acq: 30 Jun 2022 01:34

Instrument :

MSVOA_U

ClientSampleId :



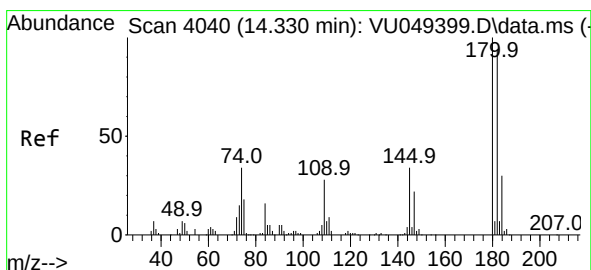
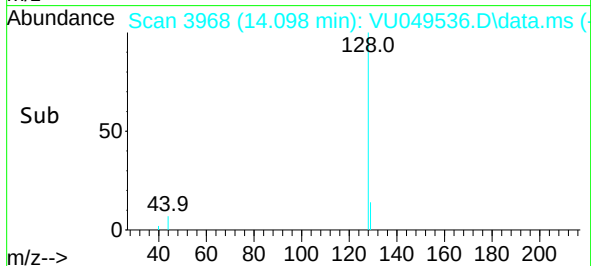
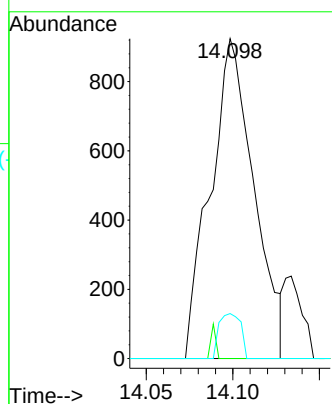
Tgt Ion:128 Resp: 1618

Ion Ratio Lower Upper

128 100

127 1.2 10.3 15.5#

129 7.0 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.254 ug/l

RT: 14.340 min Scan# 4043

Delta R.T. 0.010 min

Lab File: VU049536.D

Acq: 30 Jun 2022 01:34

Tgt Ion:180 Resp: 332

Ion Ratio Lower Upper

180 100

182 66.9 48.4 145.0

145 0.0 14.8 44.4#

