

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070522\
 Data File : VU049608.D
 Acq On : 05 Jul 2022 11:11
 Operator : SY/MD
 Sample : VU0705WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0705WBL01

Quant Time: Jul 06 07:46:23 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)

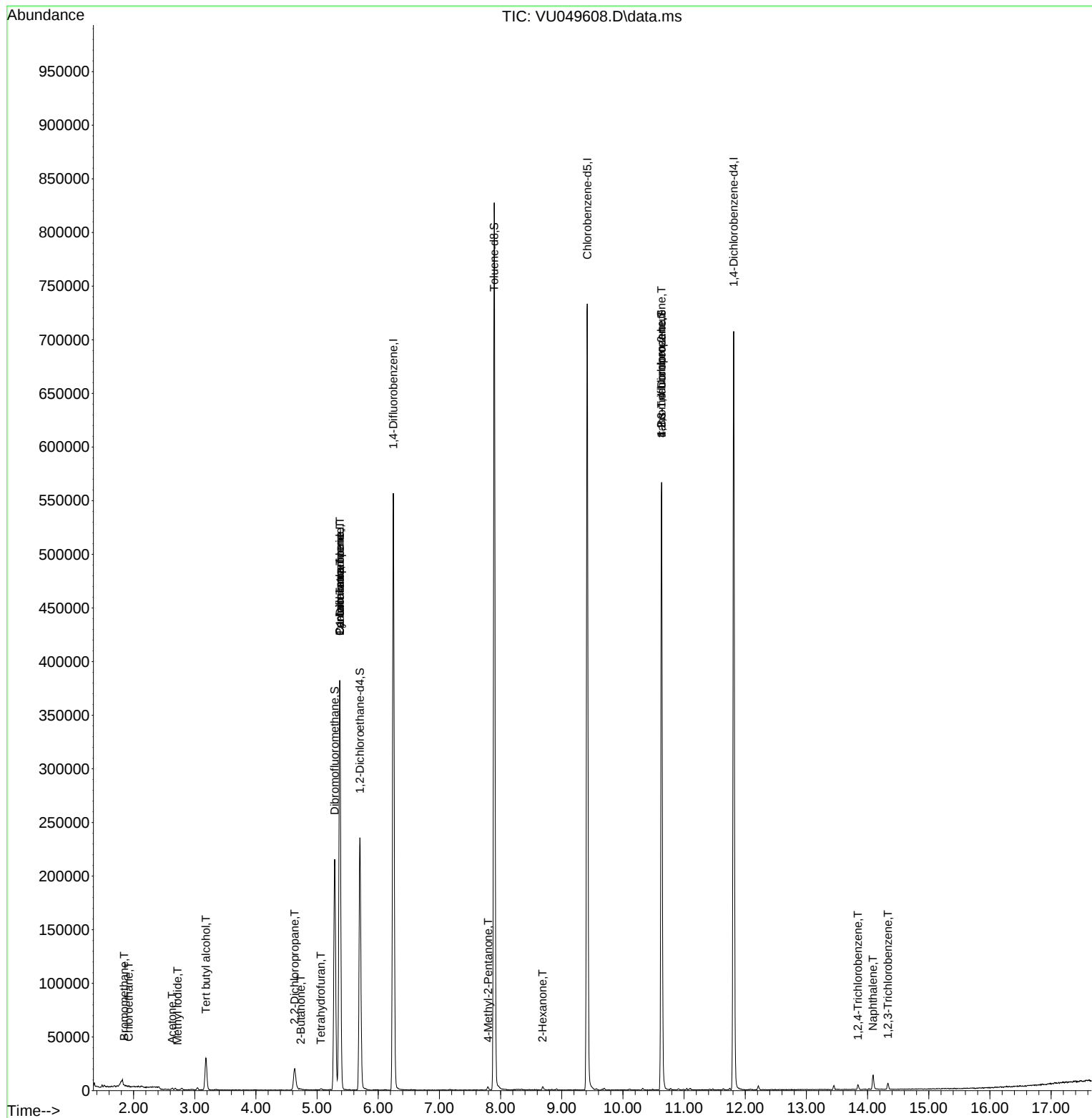
Internal Standards						
1) Pentafluorobenzene	5.372	168	263530	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	454703	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	409816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	186558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	174781	43.065	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.140%
35) Dibromofluoromethane	5.288	113	142717	44.862	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.720%
50) Toluene-d8	7.896	98	543186	47.872	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.740%
62) 4-Bromofluorobenzene	10.632	95	197472	45.432	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.860%
Target Compounds						
						Qvalue
3) Chloromethane	1.517	50	2034	Below Cal		98
5) Bromomethane	1.848	94	299	0.226	ug/l #	78
6) Chloroethane	1.919	64	188	2.007	ug/l #	44
10) Methyl Iodide	2.719	142	111	7.546	ug/l #	43
11) Tert butyl alcohol	3.182	59	17824	18.763	ug/l #	38
16) Acetone	2.629	43	1553	0.759	ug/l	94
20) Methylene Chloride	3.044	84	845	Below Cal		87
25) 2-Butanone	4.735	43	967	0.315	ug/l #	45
26) 2,2-Dichloropropane	4.633	77	1418	0.269	ug/l #	52
29) Tetrahydrofuran	5.063	42	841	0.400	ug/l #	61
31) Cyclohexane	5.372	56	5342	0.877	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	21087	4.571	ug/l #	49
38) Carbon Tetrachloride	5.372	117	27202	5.623	ug/l #	16
51) 4-Methyl-2-Pentanone	7.796	43	2130	0.345	ug/l #	81
59) 2-Hexanone	8.687	43	2627	0.540	ug/l	81
76) 1,2,3-Trichloropropane	10.632	75	98681	15.604	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	98681	57.623	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.841	180	1869	2.185	ug/l	95
95) Naphthalene	14.089	128	13414	2.622	ug/l	98
96) 1,2,3-Trichlorobenzene	14.333	180	2429	1.729	ug/l	89

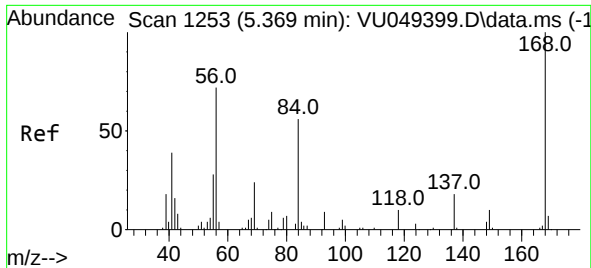
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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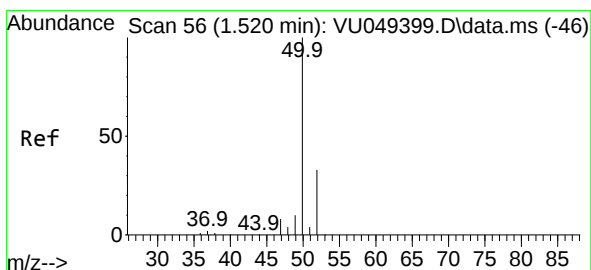
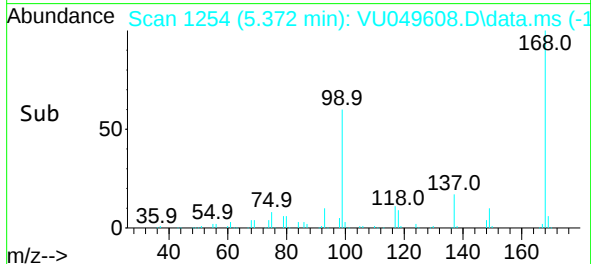
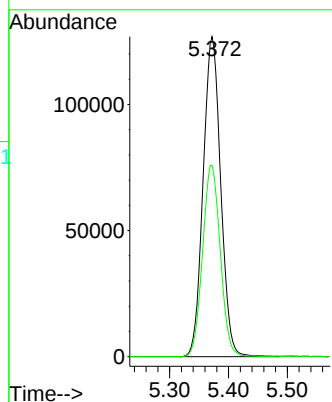
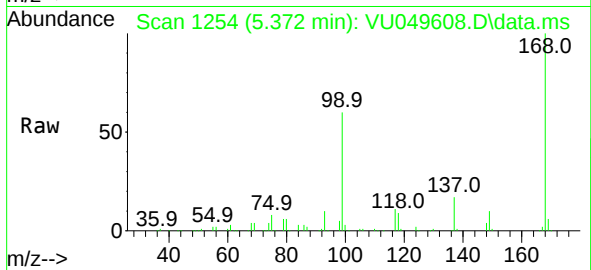




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049608.D
Acq: 05 Jul 2022 11:11

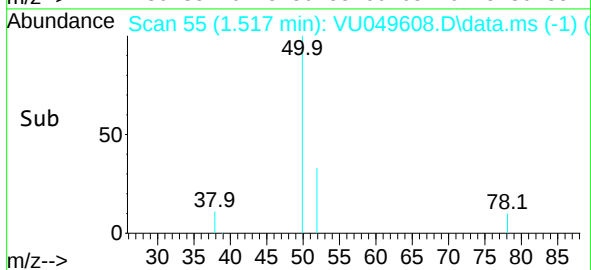
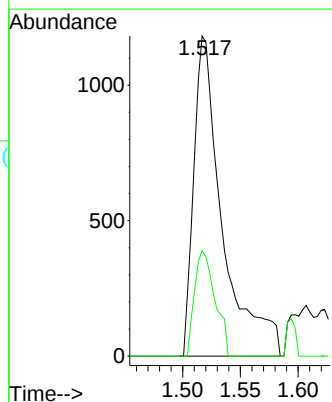
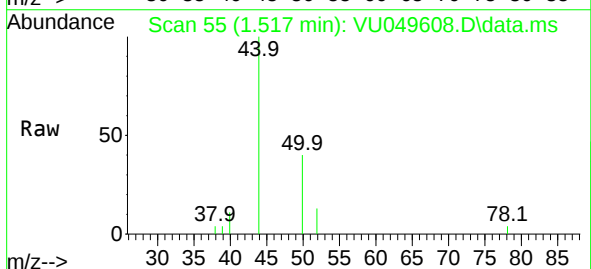
Instrument :
MSVOA_U
ClientSampleId :
VU0705WBL01

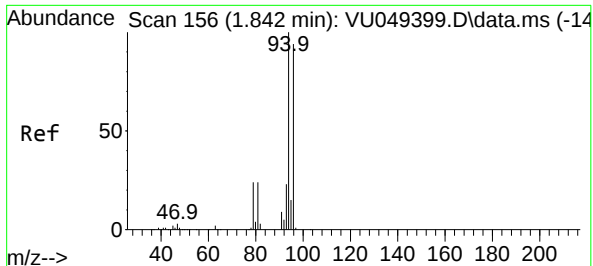
Tgt Ion:168 Resp: 263530
Ion Ratio Lower Upper
168 100
99 59.8 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU049608.D
Acq: 05 Jul 2022 11:11

Tgt Ion: 50 Resp: 2034
Ion Ratio Lower Upper
50 100
52 32.9 27.4 41.2

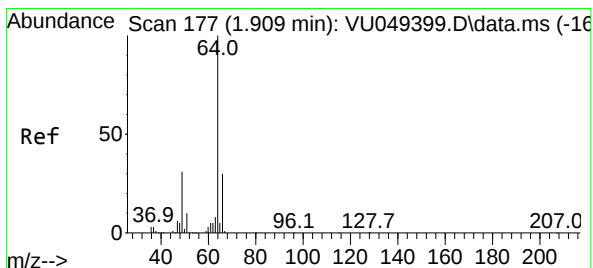
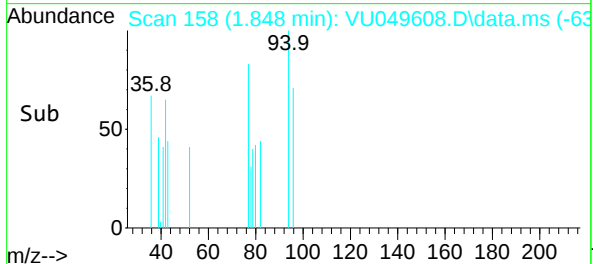
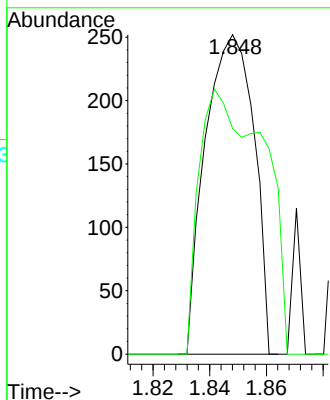
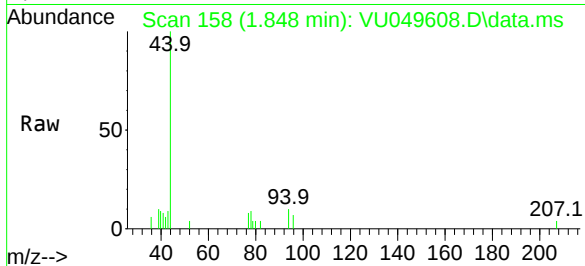




#5
Bromomethane
Concen: 0.226 ug/l
RT: 1.848 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU049608.D
Acq: 05 Jul 2022 11:11

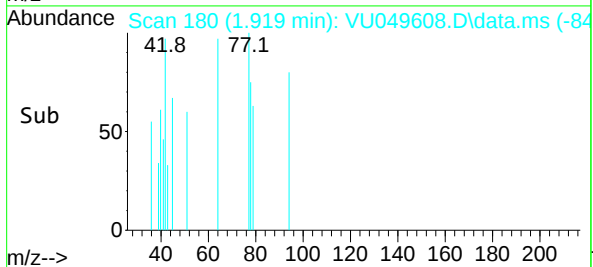
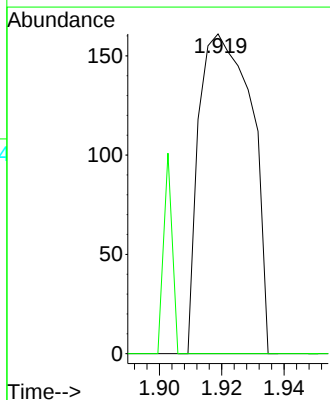
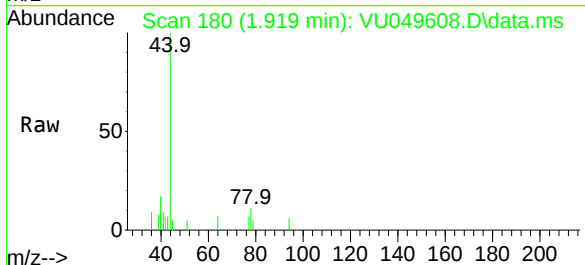
Instrument :
MSVOA_U
ClientSampleId :
VU0705WBL01

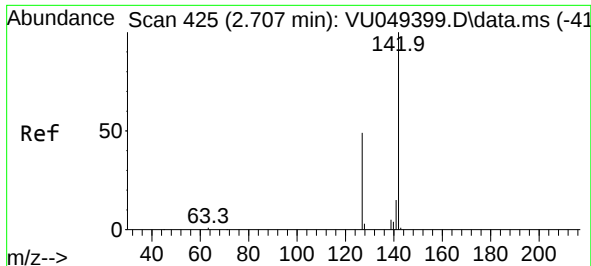
Tgt Ion: 94 Resp: 299
Ion Ratio Lower Upper
94 100
96 70.6 73.7 110.5#



#6
Chloroethane
Concen: 2.007 ug/l
RT: 1.919 min Scan# 180
Delta R.T. 0.010 min
Lab File: VU049608.D
Acq: 05 Jul 2022 11:11

Tgt Ion: 64 Resp: 188
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

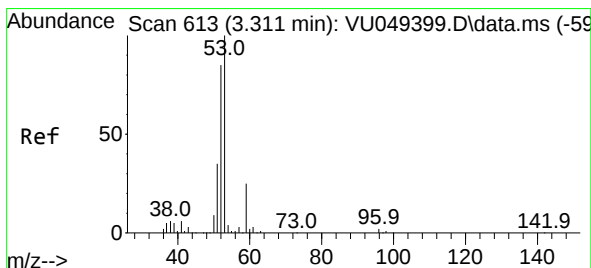
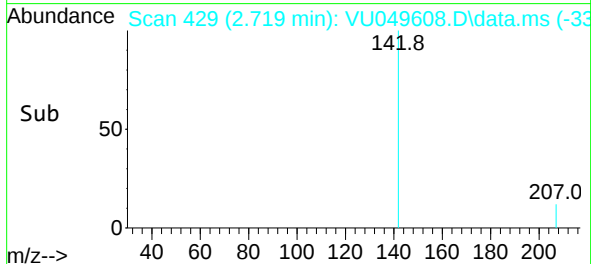
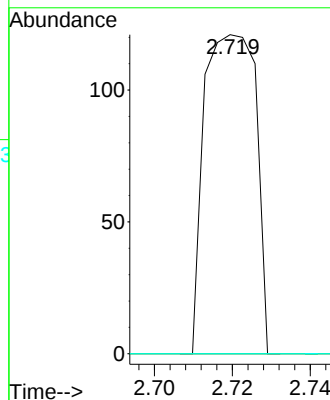
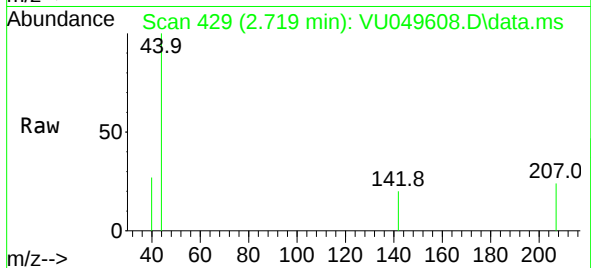




#10
Methyl Iodide
Concen: 7.546 ug/l
RT: 2.719 min Scan# 41
Delta R.T. 0.013 min
Lab File: VU049608.D
Acq: 05 Jul 2022 11:11

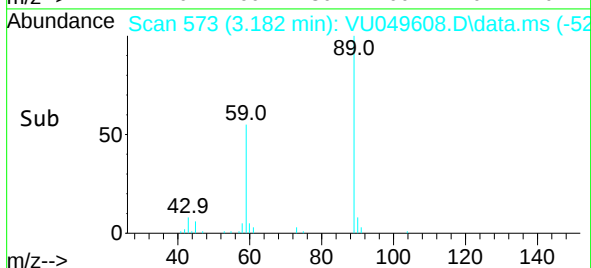
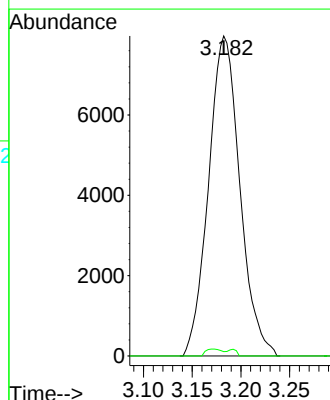
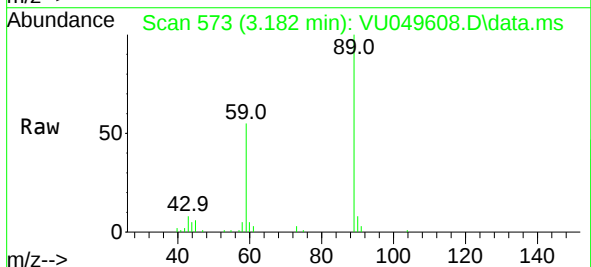
Instrument :
MSVOA_U
ClientSampleId :
VU0705WBL01

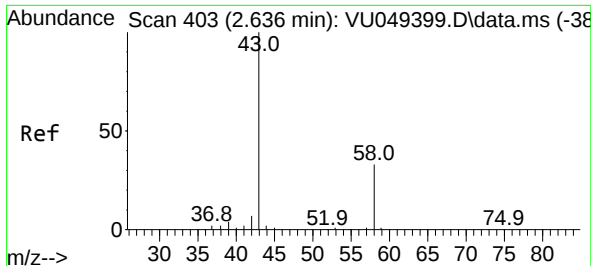
Tgt Ion:142 Resp: 111
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 18.763 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.129 min
Lab File: VU049608.D
Acq: 05 Jul 2022 11:11

Tgt Ion: 59 Resp: 17824
Ion Ratio Lower Upper
59 100
57 0.6 30.6 45.8#

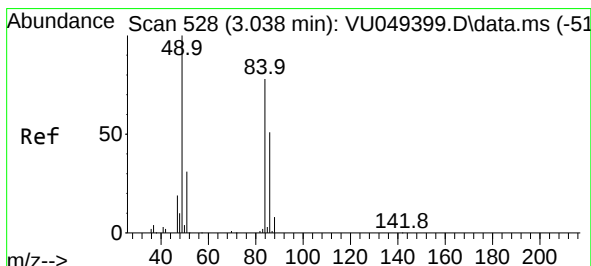
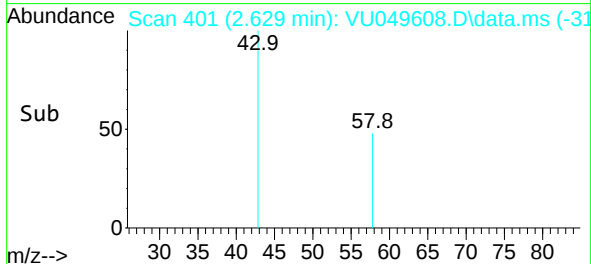
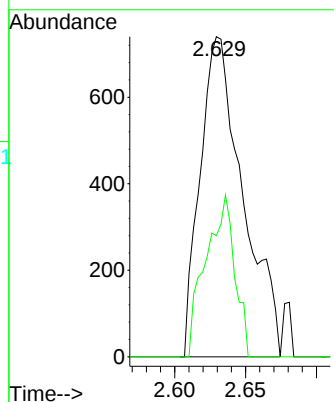
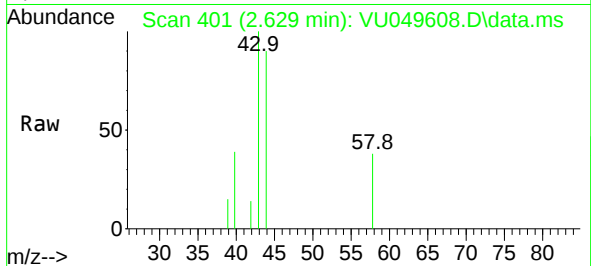




#16
Acetone
Concen: 0.759 ug/l
RT: 2.629 min Scan# 403
Delta R.T. -0.006 min
Lab File: VU049608.D
Acq: 05 Jul 2022 11:11

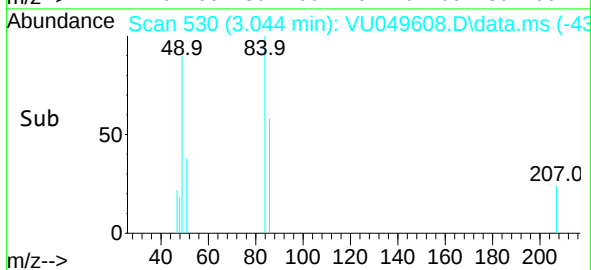
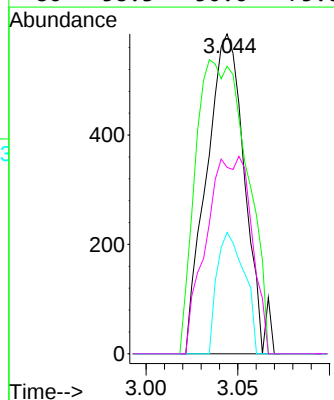
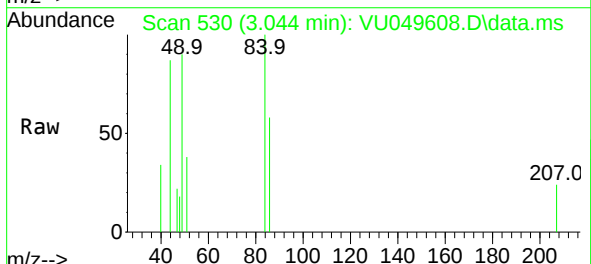
Instrument :
MSVOA_U
ClientSampleId :
VU0705WBL01

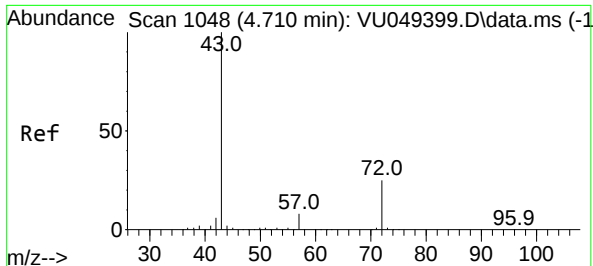
Tgt Ion: 43 Resp: 1553
Ion Ratio Lower Upper
43 100
58 37.8 27.5 41.3



#20
Methylene Chloride
Concen: Below Cal
RT: 3.044 min Scan# 530
Delta R.T. 0.006 min
Lab File: VU049608.D
Acq: 05 Jul 2022 11:11

Tgt Ion: 84 Resp: 845
Ion Ratio Lower Upper
84 100
49 89.9 86.6 129.8
51 37.9 26.6 40.0
86 58.3 50.6 75.8





#25

2-Butanone

Concen: 0.315 ug/l

RT: 4.735 min Scan# 1024

Delta R.T. 0.026 min

Lab File: VU049608.D

Acq: 05 Jul 2022 11:11

Instrument :

MSVOA_U

ClientSampleId :

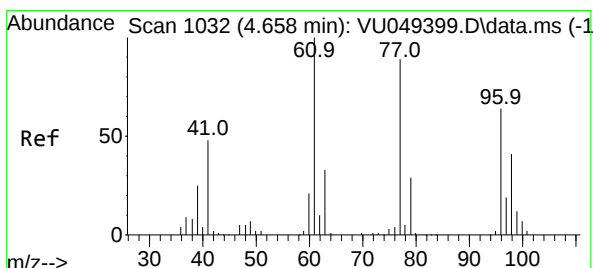
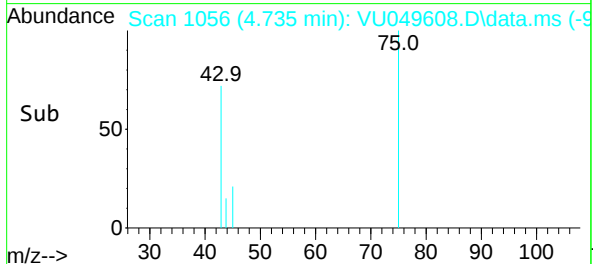
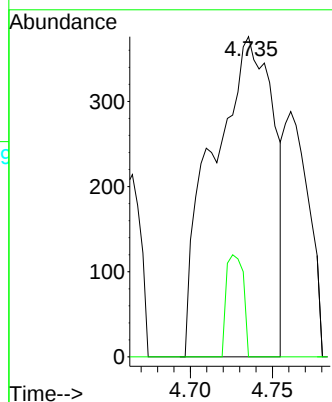
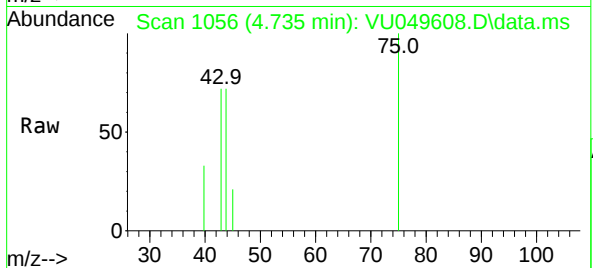
VU0705WBL01

Tgt Ion: 43 Resp: 967

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#26

2,2-Dichloropropane

Concen: 0.269 ug/l

RT: 4.633 min Scan# 1024

Delta R.T. -0.026 min

Lab File: VU049608.D

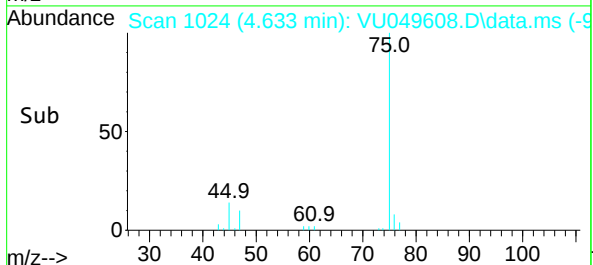
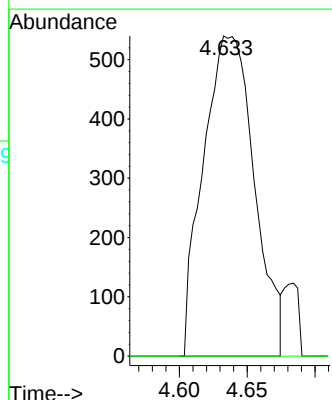
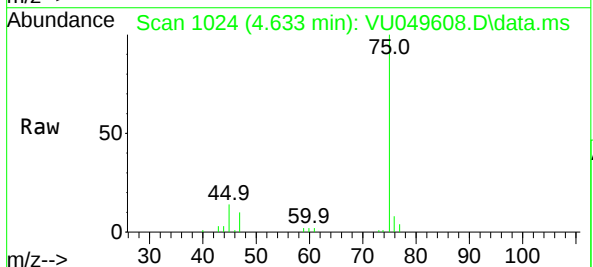
Acq: 05 Jul 2022 11:11

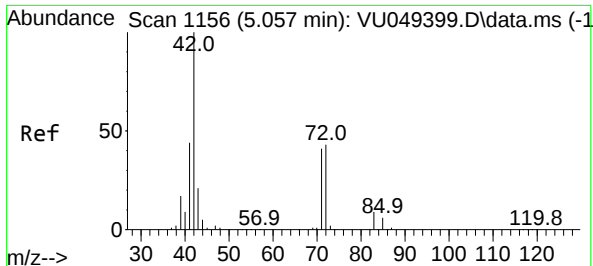
Tgt Ion: 77 Resp: 1418

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#

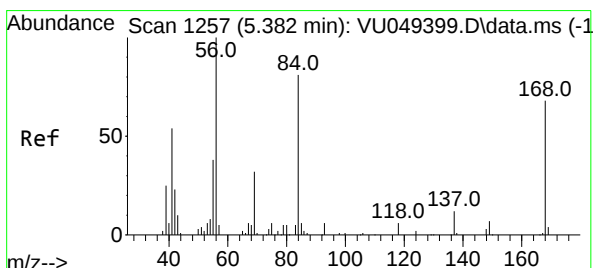
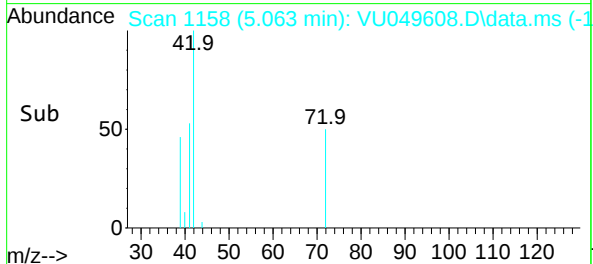
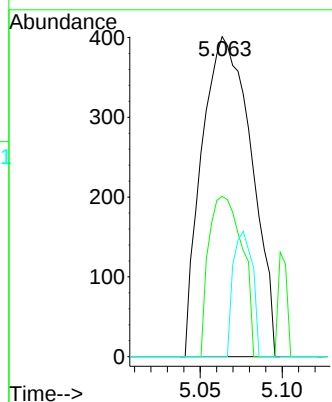
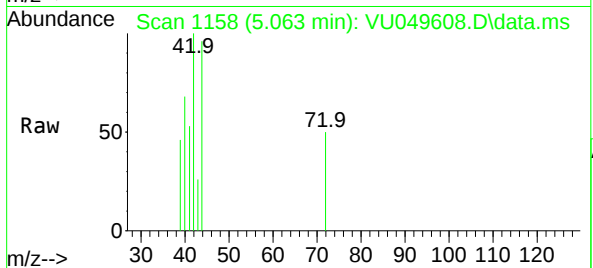




#29
Tetrahydrofuran
Concen: 0.400 ug/l
RT: 5.063 min Scan# 1156
Delta R.T. 0.006 min
Lab File: VU049608.D
Acq: 05 Jul 2022 11:11

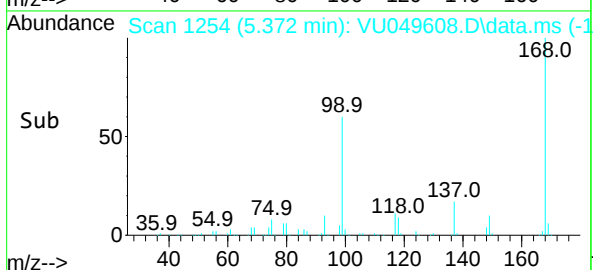
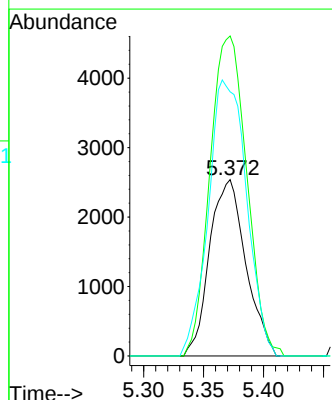
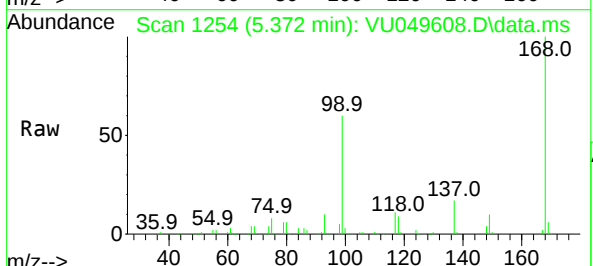
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VU0705WBL01

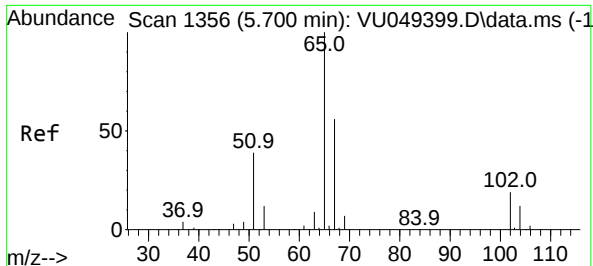
Tgt Ion:	42	Resp:	841
Ion	Ratio	Lower	Upper
42	100		
72	33.8	42.6	63.8#
71	15.2	40.3	60.5#



#31
Cyclohexane
Concen: 0.877 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.010 min
Lab File: VU049608.D
Acq: 05 Jul 2022 11:11

Tgt Ion:	56	Resp:	5342
Ion	Ratio	Lower	Upper
56	100		
69	181.4	27.8	41.8#
84	149.8	74.2	111.4#





#33

1,2-Dichloroethane-d4

Concen: 43.065 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049608.D

Acq: 05 Jul 2022 11:11

Instrument :

MSVOA_U

ClientSampleId :

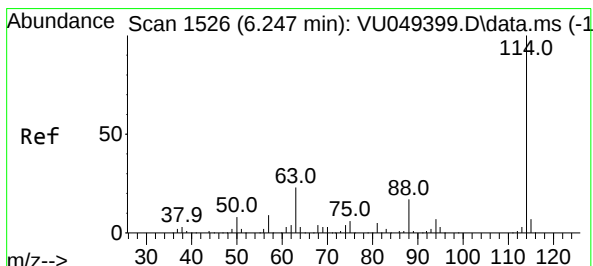
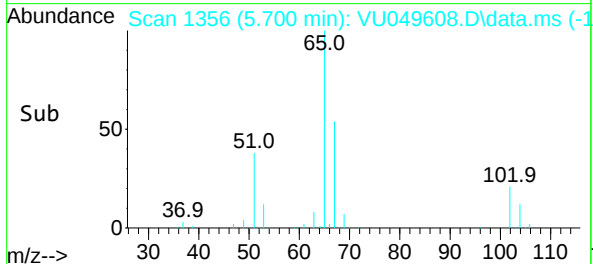
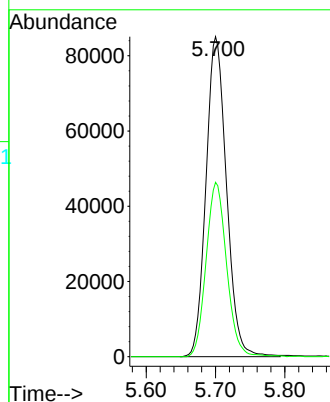
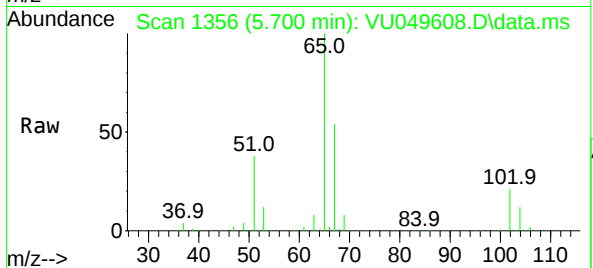
VU0705WBL01

Tgt Ion: 65 Resp: 174781

Ion Ratio Lower Upper

65 100

67 54.4 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: VU049608.D

Acq: 05 Jul 2022 11:11

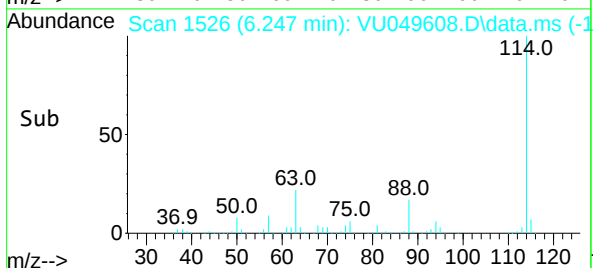
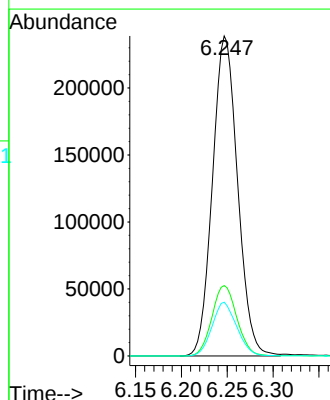
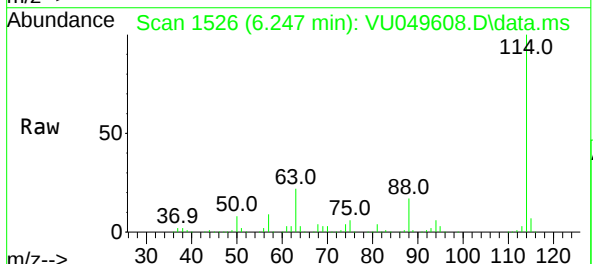
Tgt Ion: 114 Resp: 454703

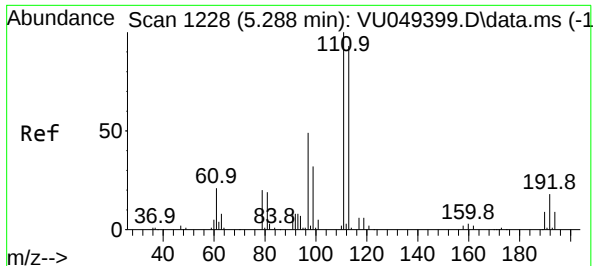
Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.8

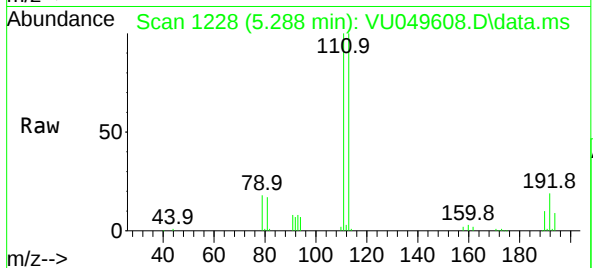
88 16.8 0.0 29.2



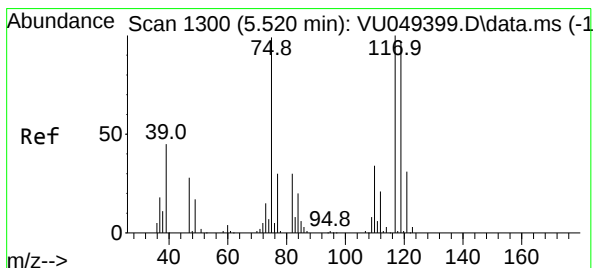
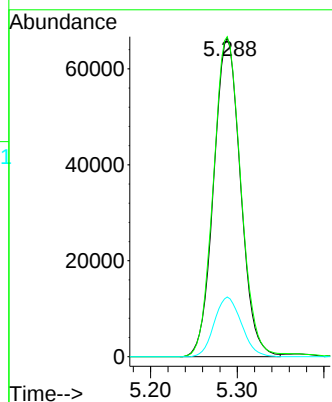
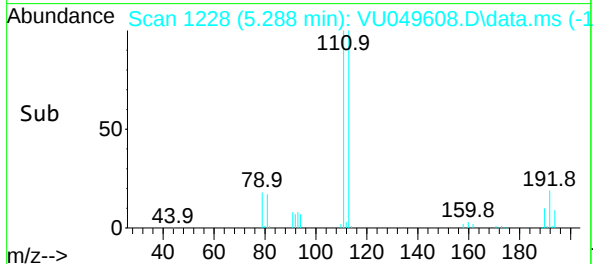


#35
Dibromofluoromethane
Concen: 44.862 ug/l
RT: 5.288 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049608.D
Acq: 05 Jul 2022 11:11

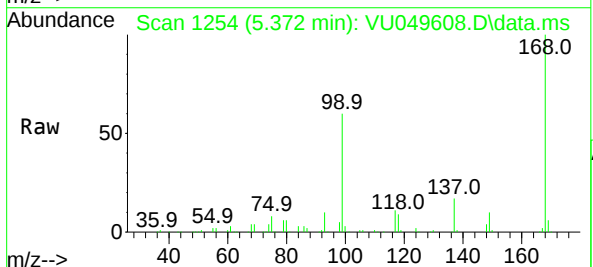
Instrument :
MSVOA_U
ClientSampleId :
VU0705WBL01



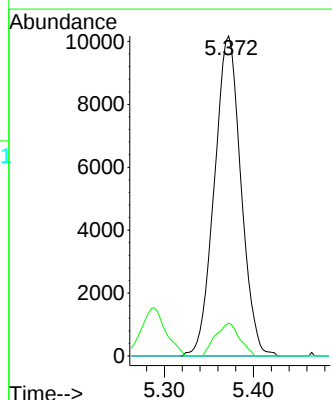
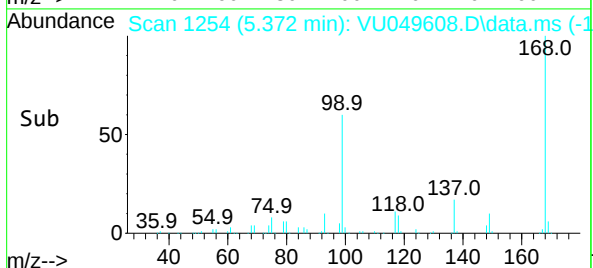
Tgt Ion:113 Resp: 142717
Ion Ratio Lower Upper
113 100
111 103.6 82.1 123.1
192 19.0 18.0 27.0

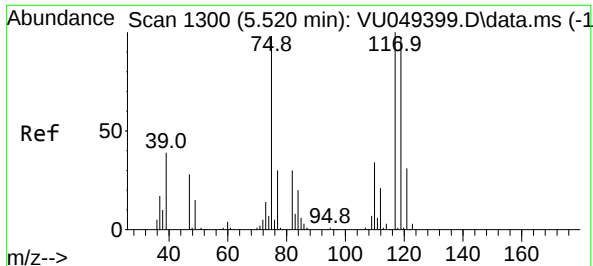


#36
1,1-Dichloropropene
Concen: 4.571 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049608.D
Acq: 05 Jul 2022 11:11



Tgt Ion: 75 Resp: 21087
Ion Ratio Lower Upper
75 100
110 9.3 18.4 55.2#
77 0.0 25.1 37.7#

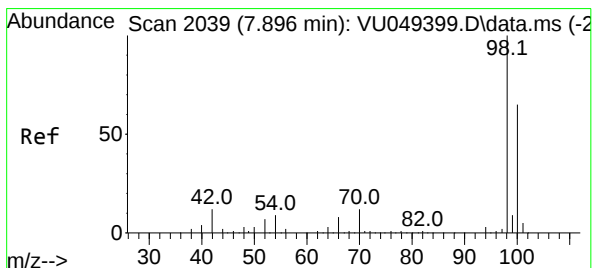
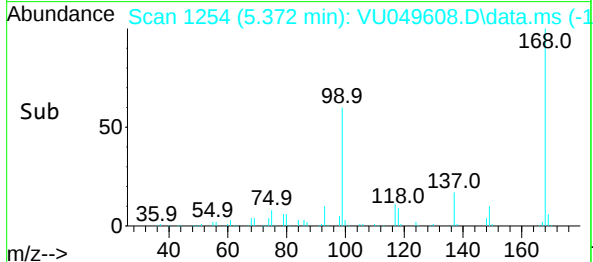
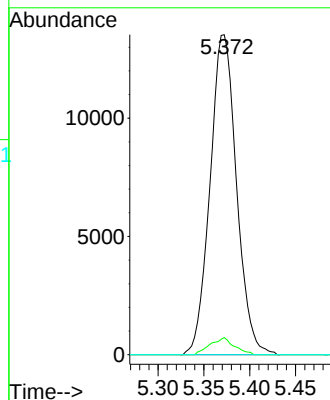
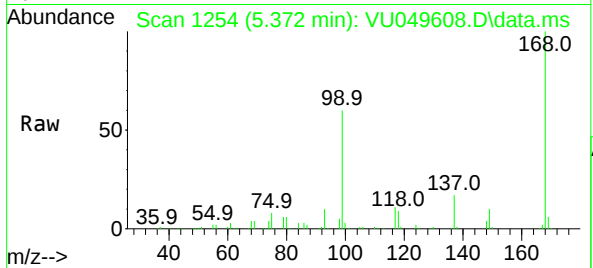




#38
Carbon Tetrachloride
Concen: 5.623 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.148 min
Lab File: VU049608.D
Acq: 05 Jul 2022 11:11

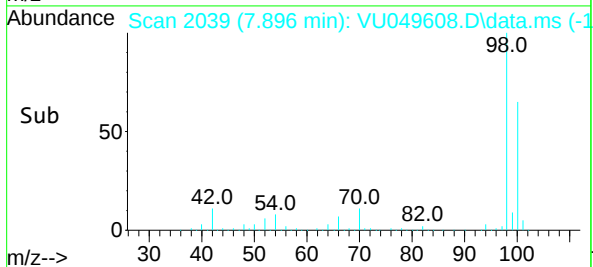
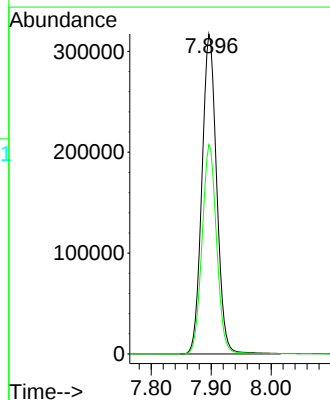
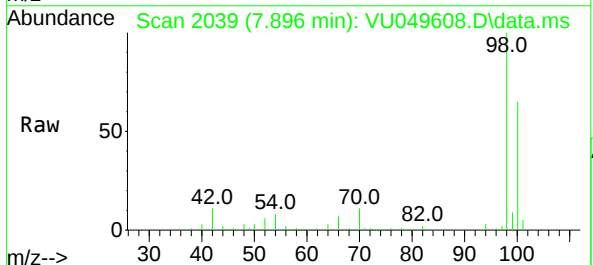
Instrument :
MSVOA_U
ClientSampleId :
VU0705WBL01

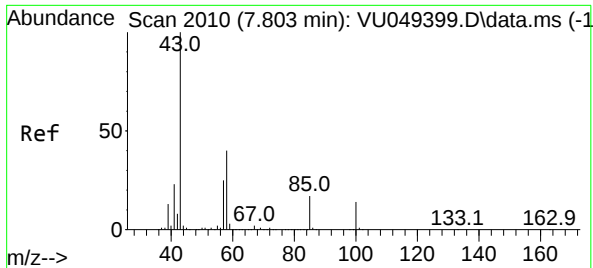
Tgt Ion:117 Resp: 27202
Ion Ratio Lower Upper
117 100
119 5.3 76.8 115.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 47.872 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049608.D
Acq: 05 Jul 2022 11:11

Tgt Ion: 98 Resp: 543186
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.345 ug/l

RT: 7.796 min Scan# 2010

Delta R.T. -0.006 min

Lab File: VU049608.D

Acq: 05 Jul 2022 11:11

Instrument :

MSVOA_U

ClientSampleId :

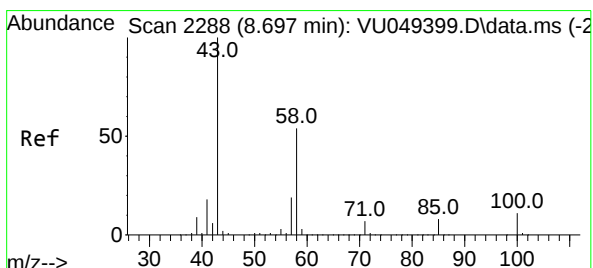
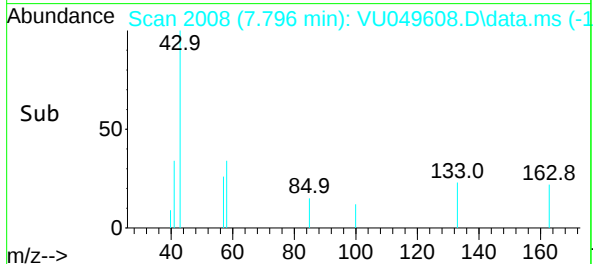
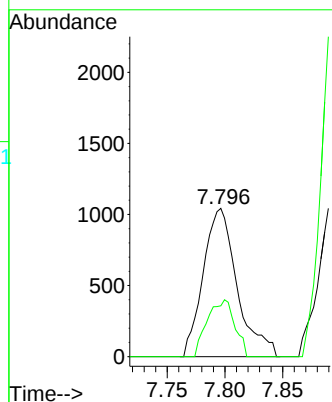
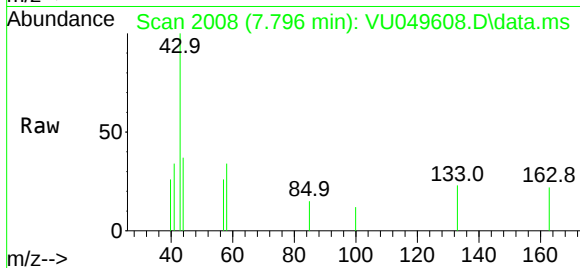
VU0705WBL01

Tgt Ion: 43 Resp: 2130

Ion Ratio Lower Upper

43 100

58 30.9 34.7 52.1#



#59

2-Hexanone

Concen: 0.540 ug/l

RT: 8.687 min Scan# 2285

Delta R.T. -0.010 min

Lab File: VU049608.D

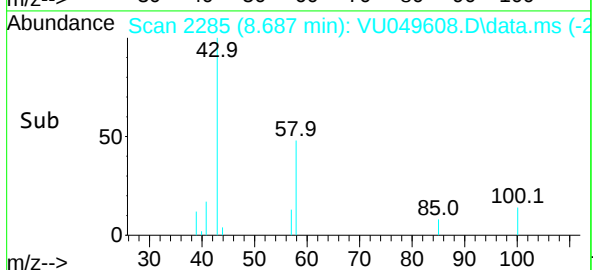
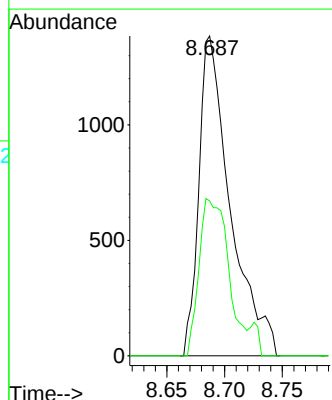
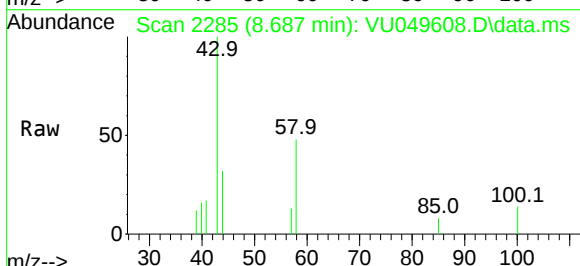
Acq: 05 Jul 2022 11:11

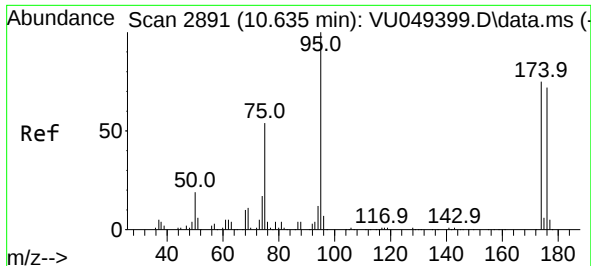
Tgt Ion: 43 Resp: 2627

Ion Ratio Lower Upper

43 100

58 45.9 30.3 90.8

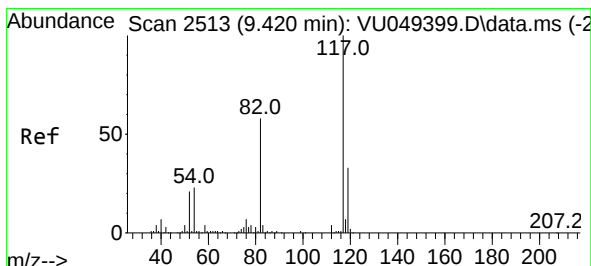
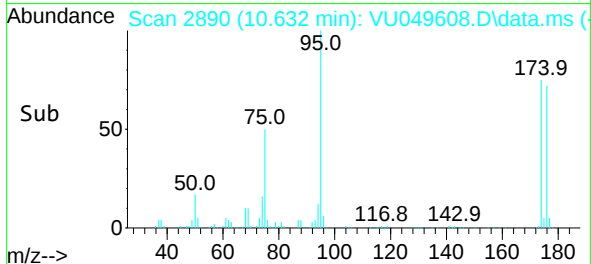
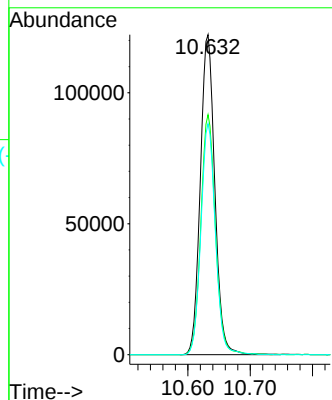
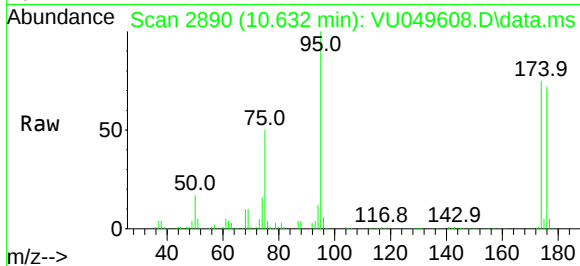




#62
 4-Bromofluorobenzene
 Concen: 45.432 ug/l
 RT: 10.632 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU049608.D
 Acq: 05 Jul 2022 11:11

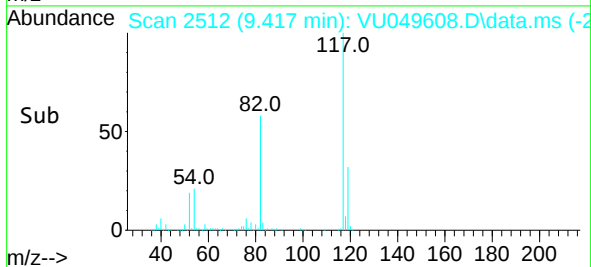
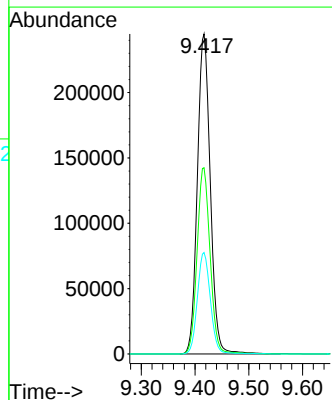
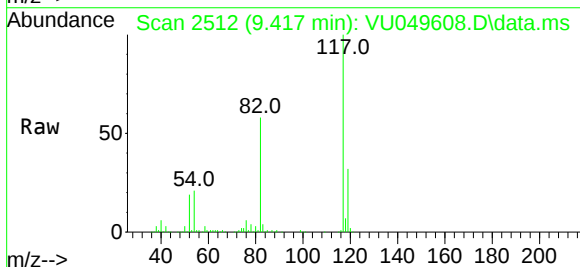
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0705WBL01

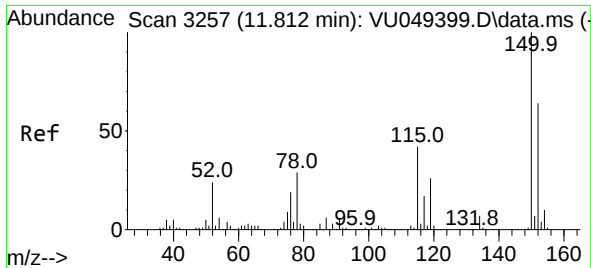
Tgt Ion: 95 Resp: 197472
 Ion Ratio Lower Upper
 95 100
 174 75.5 0.0 182.0
 176 72.0 0.0 177.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.417 min Scan# 2512
 Delta R.T. -0.003 min
 Lab File: VU049608.D
 Acq: 05 Jul 2022 11:11

Tgt Ion: 117 Resp: 409816
 Ion Ratio Lower Upper
 117 100
 82 58.2 41.7 62.5
 119 31.7 25.7 38.5

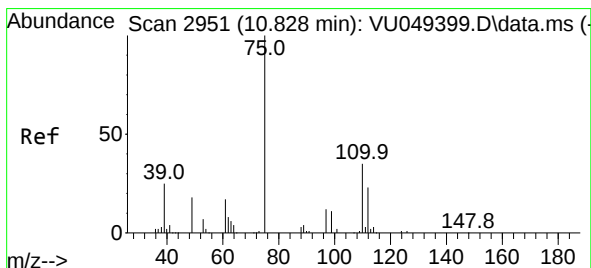
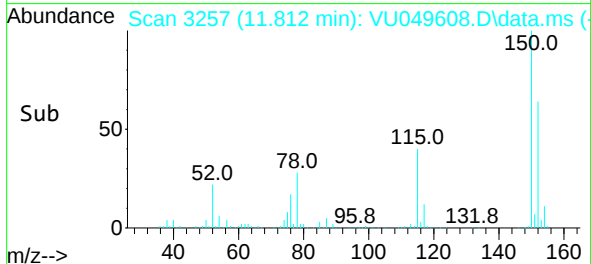
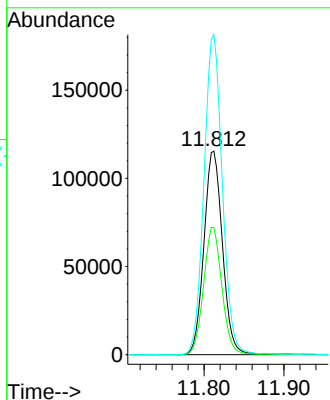
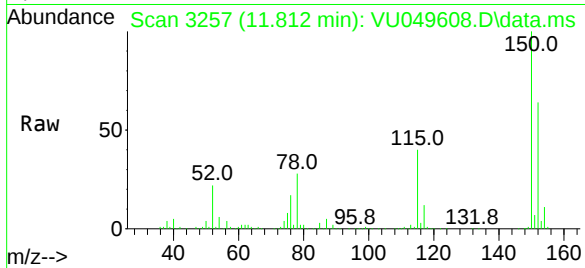




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049608.D
 Acq: 05 Jul 2022 11:11

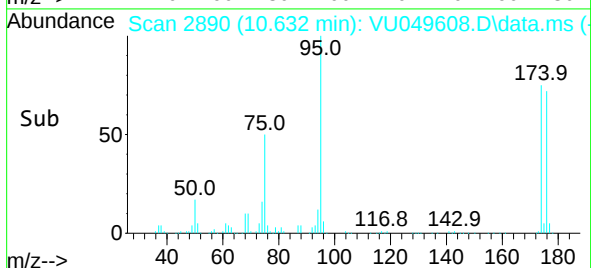
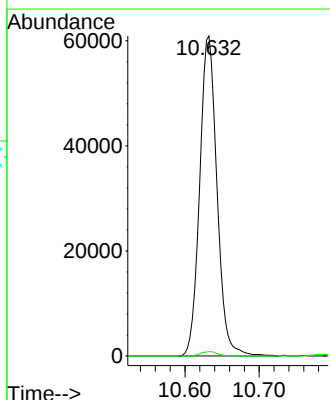
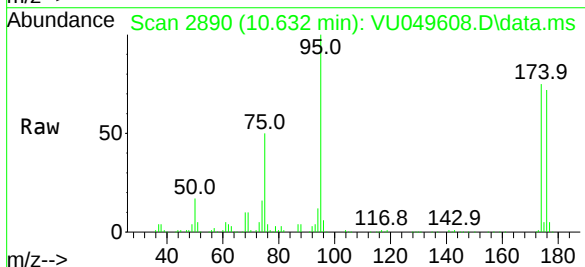
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0705WBL01

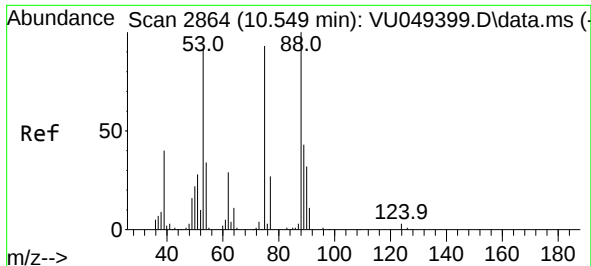
Tgt Ion:152 Resp: 186558
 Ion Ratio Lower Upper
 152 100
 115 61.8 37.0 110.9
 150 155.5 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.604 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049608.D
 Acq: 05 Jul 2022 11:11

Tgt Ion: 75 Resp: 98681
 Ion Ratio Lower Upper
 75 100
 77 1.3 15.8 47.3#

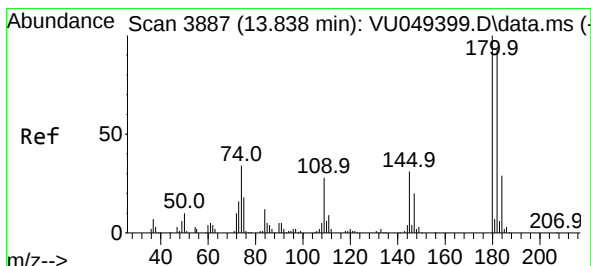
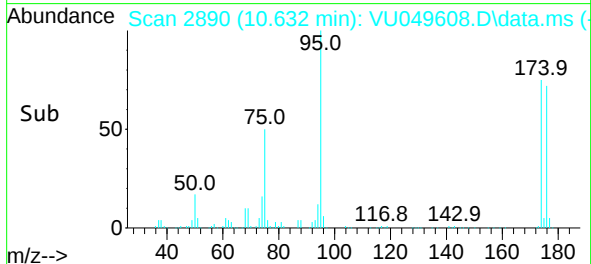
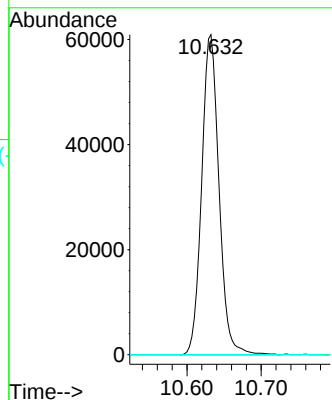
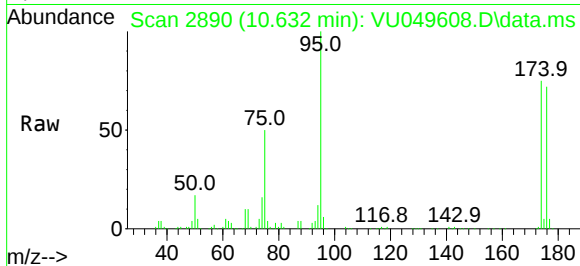




#81
trans-1,4-Dichloro-2-butene
Concen: 57.623 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049608.D
Acq: 05 Jul 2022 11:11

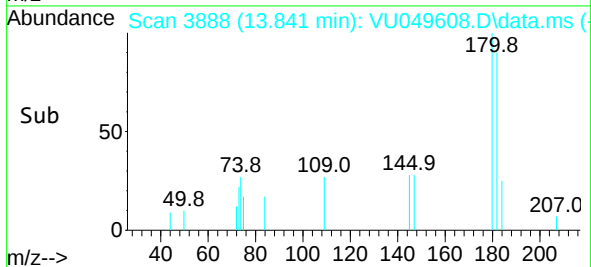
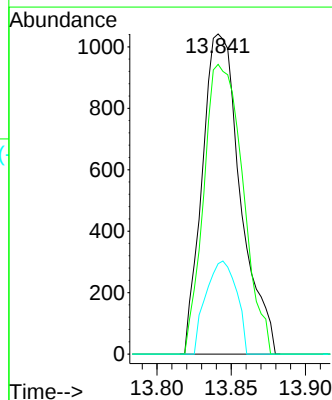
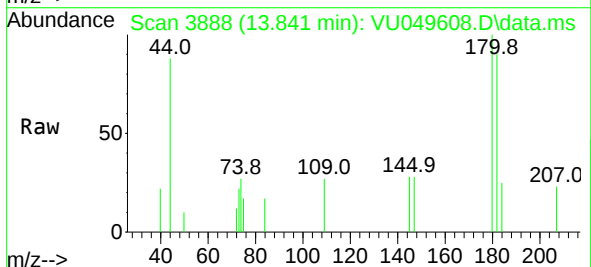
Instrument :
MSVOA_U
ClientSampleId :
VU0705WBL01

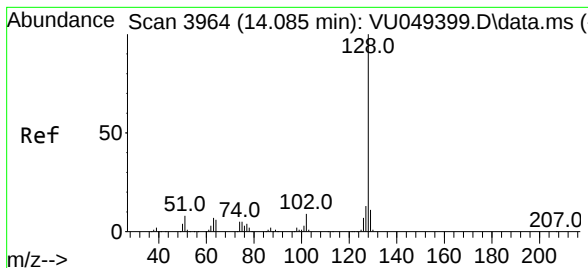
Tgt Ion: 75 Resp: 98681
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 2.185 ug/l
RT: 13.841 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU049608.D
Acq: 05 Jul 2022 11:11

Tgt Ion:180 Resp: 1869
Ion Ratio Lower Upper
180 100
182 92.2 47.9 143.6
145 23.2 14.0 41.9





#95

Naphthalene

Concen: 2.622 ug/l

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU049608.D

Acq: 05 Jul 2022 11:11

Instrument :

MSVOA_U

ClientSampleId :

VU0705WBL01

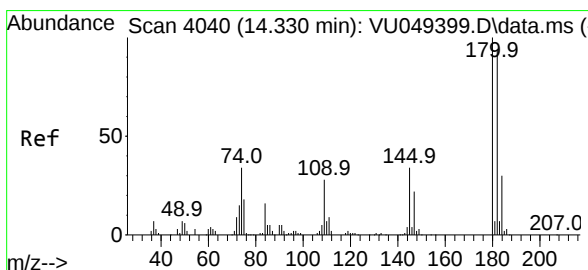
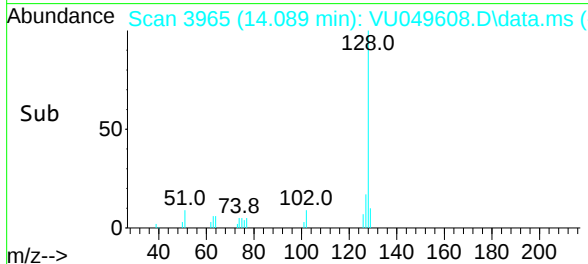
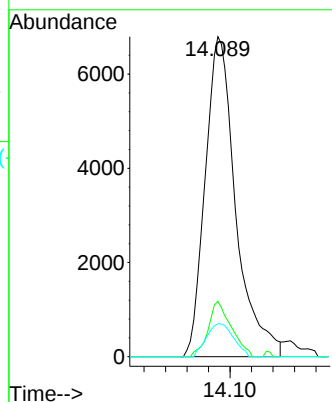
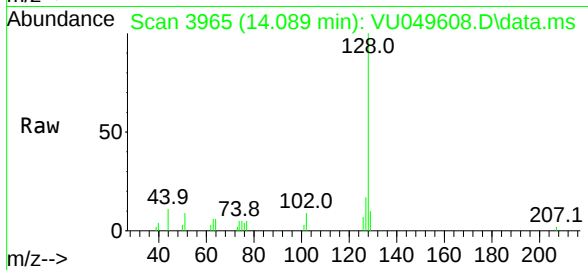
Tgt Ion:128 Resp: 13414

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 9.1 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.729 ug/l

RT: 14.333 min Scan# 4041

Delta R.T. 0.003 min

Lab File: VU049608.D

Acq: 05 Jul 2022 11:11

Tgt Ion:180 Resp: 2429

Ion Ratio Lower Upper

180 100

182 84.1 48.4 145.0

145 31.7 14.8 44.4

