

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044947.D
 Acq On : 28 Sep 2021 17:30
 Operator : SY/MD
 Sample : M3829-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE120D2-20210917

Quant Time: Sep 29 05:46:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

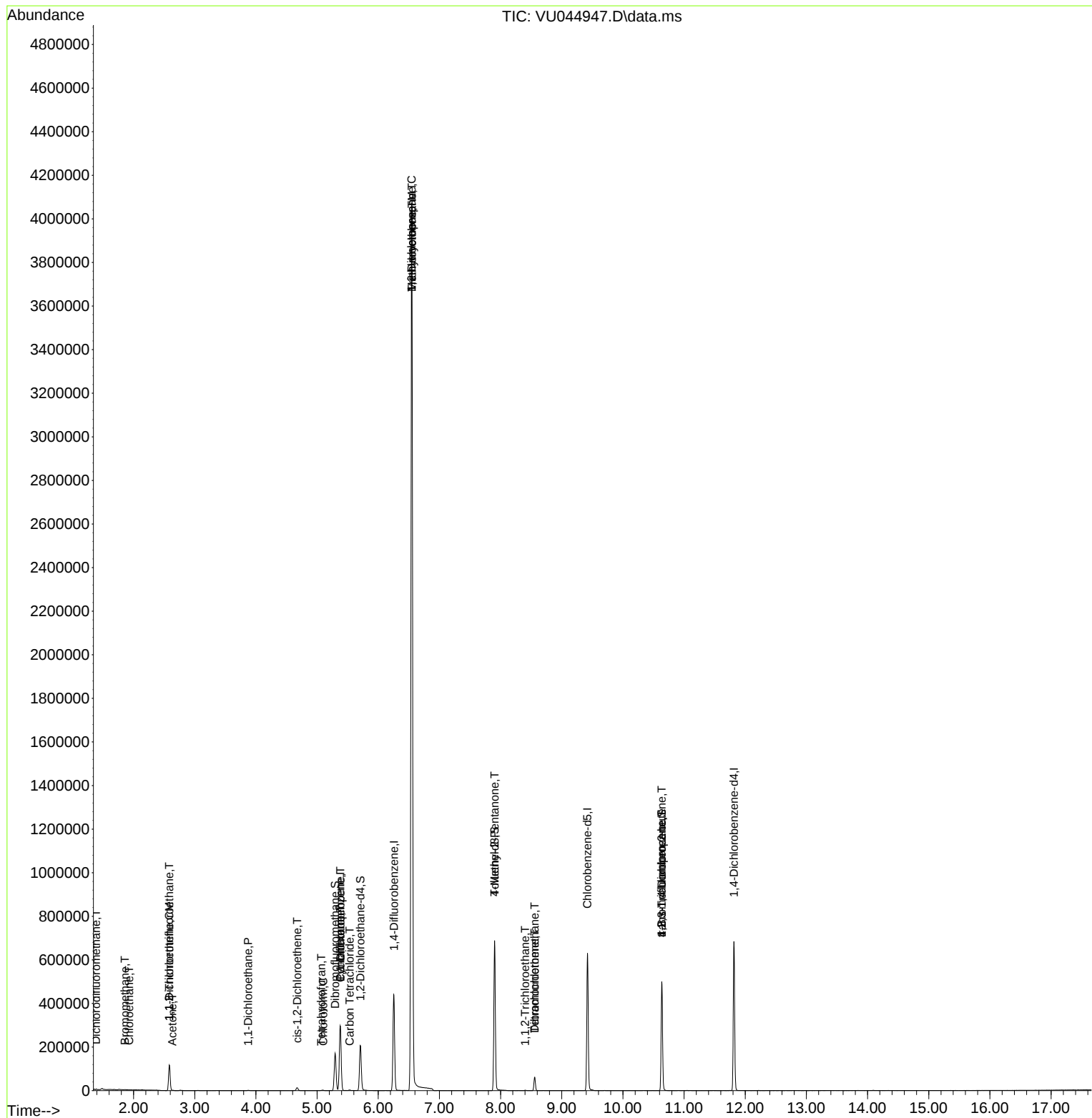
Internal Standards						
1) Pentafluorobenzene	5.378	168	196255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	345701	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	330990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	165522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	158064	48.383	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.760%		
35) Dibromofluoromethane	5.295	113	110249	50.554	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.100%		
50) Toluene-d8	7.902	98	441289	51.213	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.420%		
62) 4-Bromofluorobenzene	10.635	95	167839	47.180	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.360%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.388	85	703	0.289	ug/l	100
5) Bromomethane	1.858	94	276	0.224	ug/l #	71
6) Chloroethane	1.928	64	638	0.264	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.584	101	42267	17.905	ug/l	99
12) 1,1-Dichloroethene	2.584	96	4669	2.007	ug/l	98
16) Acetone	2.633	43	1949	1.005	ug/l	100
24) 1,1-Dichloroethane	3.874	63	2120	0.420	ug/l #	83
27) cis-1,2-Dichloroethene	4.674	96	7241	2.409	ug/l	86
29) Tetrahydrofuran	5.070	42	428	0.261	ug/l #	60
30) Chloroform	5.099	83	2136	0.420	ug/l	95
31) Cyclohexane	5.382	56	5139	1.036	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	18530	5.126	ug/l #	49
38) Carbon Tetrachloride	5.533	117	1625	0.519	ug/l	95
39) Methylcyclohexane	6.549	83	17218	3.880	ug/l #	1
44) Trichloroethene	6.549	130	1308401	515.389	ug/l	98
45) 1,2-Dichloropropane	6.546	63	4768	1.670	ug/l #	1
49) 1,4-Dioxane	6.973	88	630	Below Cal	#	74
51) 4-Methyl-2-Pentanone	7.902	43	1989	0.380	ug/l #	1
55) 1,1,2-Trichloroethane	8.401	97	712	0.254	ug/l #	88
60) Dibromochloromethane	8.558	129	12945	6.335	ug/l #	10
64) Tetrachloroethene	8.558	164	12822	5.935	ug/l	98
76) 1,2,3-Trichloropropane	10.635	75	90938	18.836	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	90938	52.272	ug/l #	9

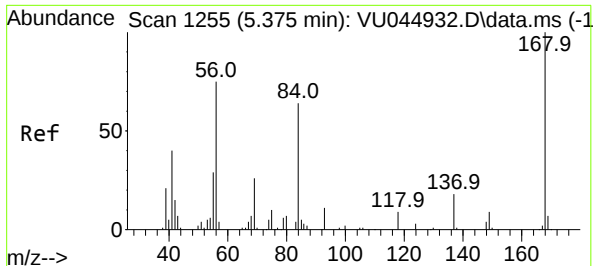
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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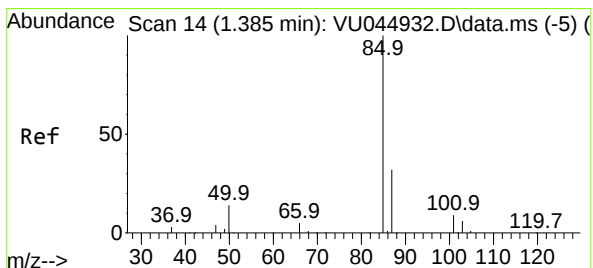
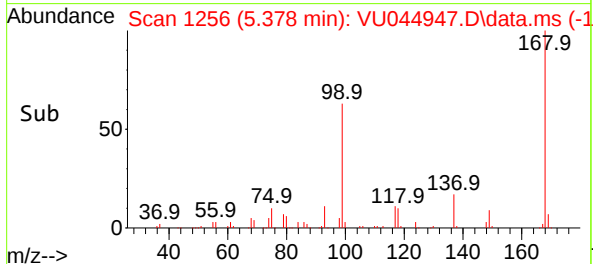
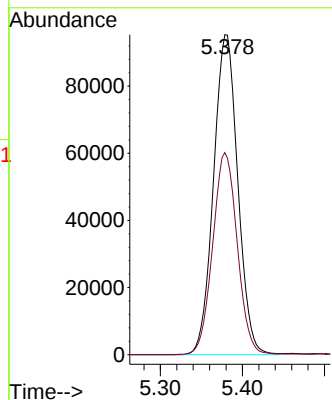
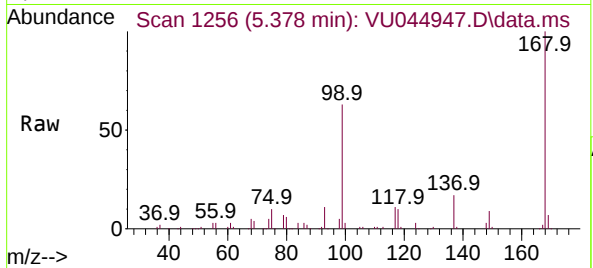




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU044947.D
Acq: 28 Sep 2021 17:30

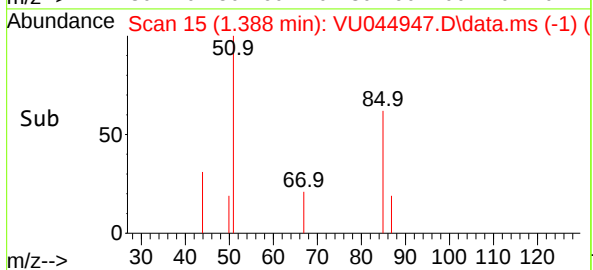
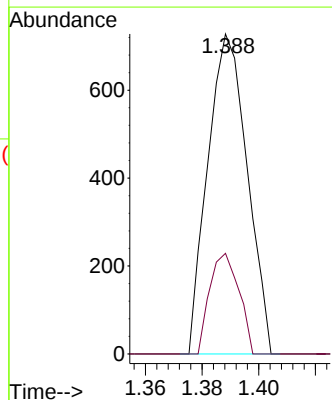
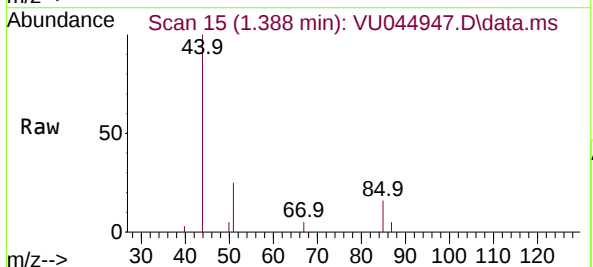
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20210917

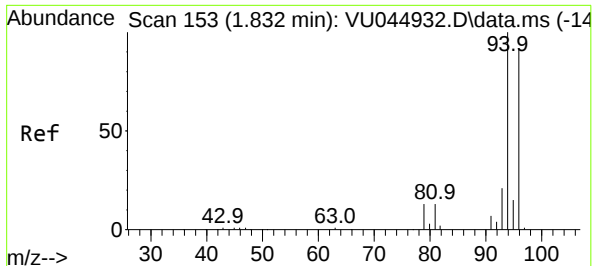
Tgt Ion:168 Resp: 196255
Ion Ratio Lower Upper
168 100
99 63.0 51.4 77.0



#2
Dichlorodifluoromethane
Concen: 0.289 ug/l
RT: 1.388 min Scan# 15
Delta R.T. 0.003 min
Lab File: VU044947.D
Acq: 28 Sep 2021 17:30

Tgt Ion: 85 Resp: 703
Ion Ratio Lower Upper
85 100
87 31.5 15.7 47.0

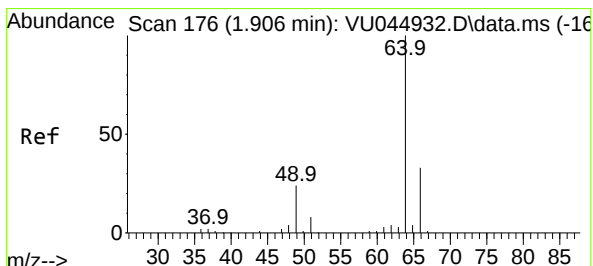
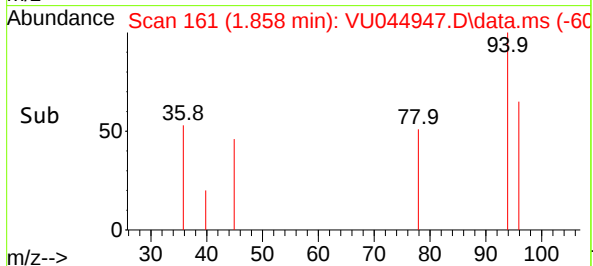
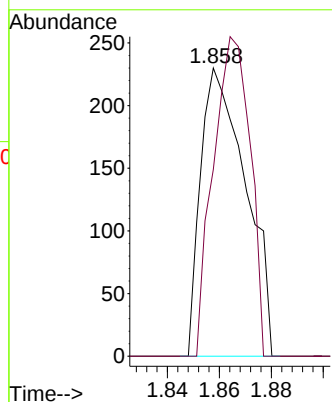
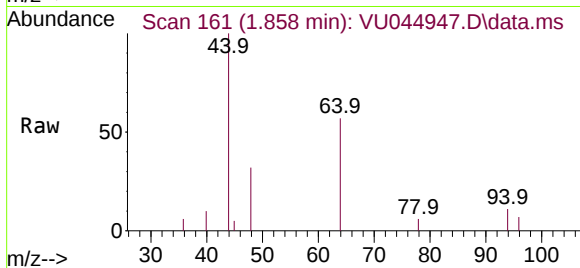




#5
Bromomethane
Concen: 0.224 ug/l
RT: 1.858 min Scan# 11
Delta R.T. 0.026 min
Lab File: VU044947.D
Acq: 28 Sep 2021 17:30

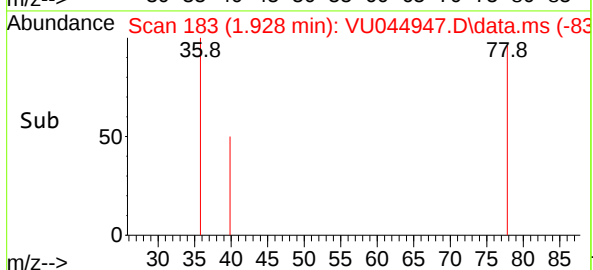
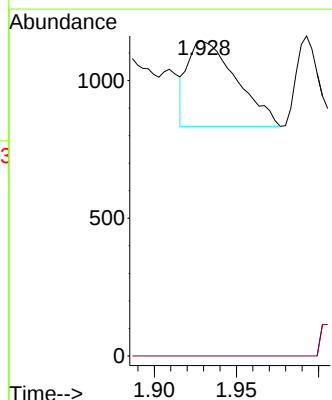
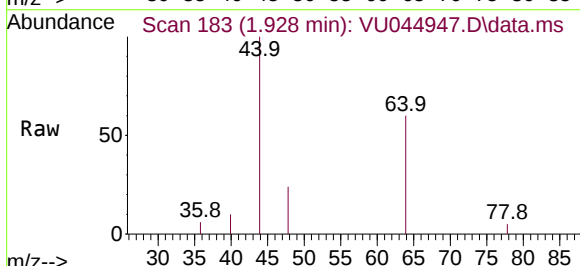
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20210917

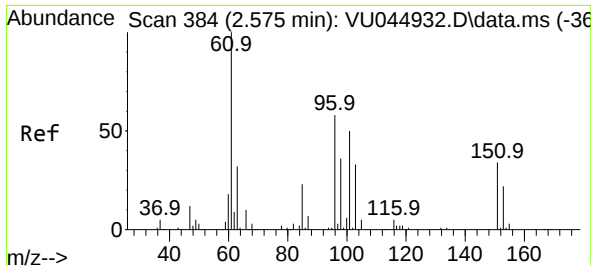
Tgt Ion: 94 Resp: 276
Ion Ratio Lower Upper
94 100
96 64.8 74.5 111.7#



#6
Chloroethane
Concen: 0.264 ug/l
RT: 1.928 min Scan# 183
Delta R.T. 0.022 min
Lab File: VU044947.D
Acq: 28 Sep 2021 17:30

Tgt Ion: 64 Resp: 638
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#

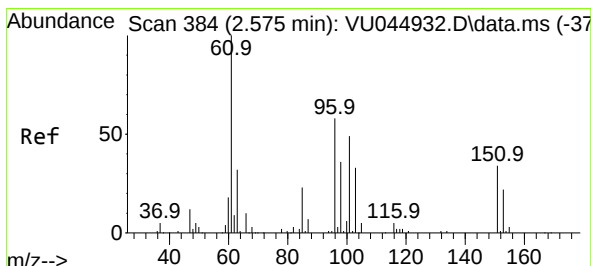
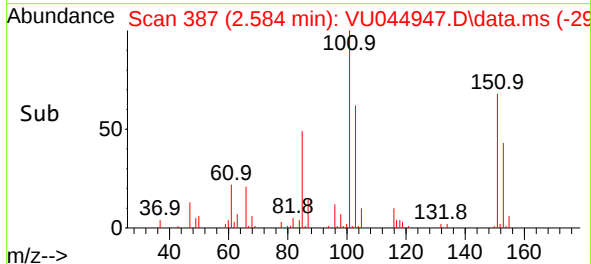
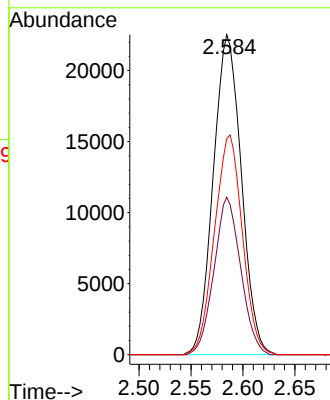
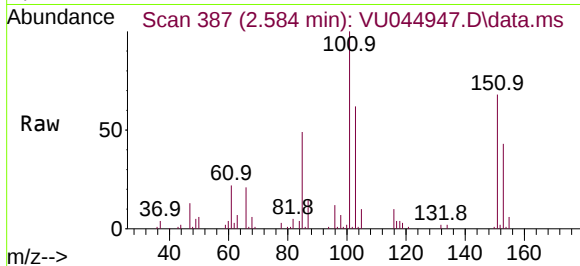




#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.905 ug/l
RT: 2.584 min Scan# 387
Delta R.T. 0.009 min
Lab File: VU044947.D
Acq: 28 Sep 2021 17:30

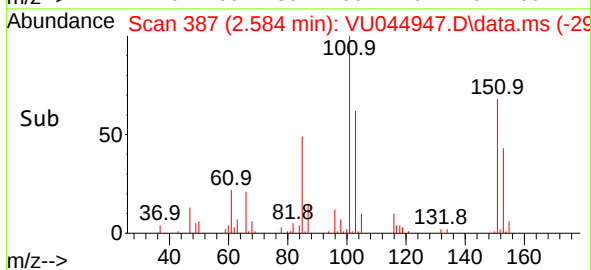
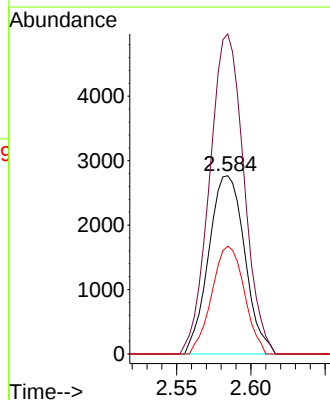
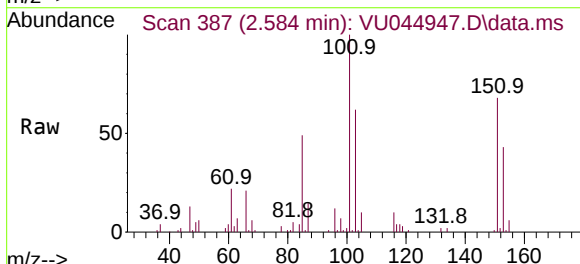
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20210917

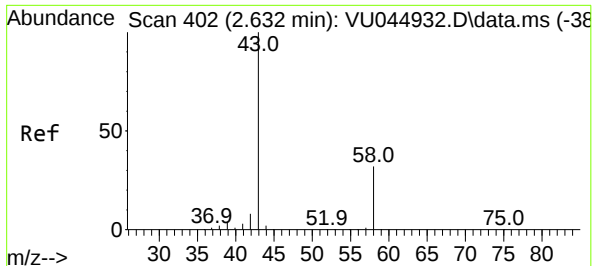
Tgt Ion:101 Resp: 42267
Ion Ratio Lower Upper
101 100
85 46.8 37.2 55.8
151 68.4 55.8 83.8



#12
1,1-Dichloroethene
Concen: 2.007 ug/l
RT: 2.584 min Scan# 387
Delta R.T. 0.009 min
Lab File: VU044947.D
Acq: 28 Sep 2021 17:30

Tgt Ion: 96 Resp: 4669
Ion Ratio Lower Upper
96 100
61 179.5 145.4 218.0
98 60.5 50.9 76.3





#16

Acetone

Concen: 1.005 ug/l

RT: 2.633 min Scan# 40

Delta R.T. 0.001 min

Lab File: VU044947.D

Acq: 28 Sep 2021 17:30

Instrument :

MSVOA_U

ClientSampleId :

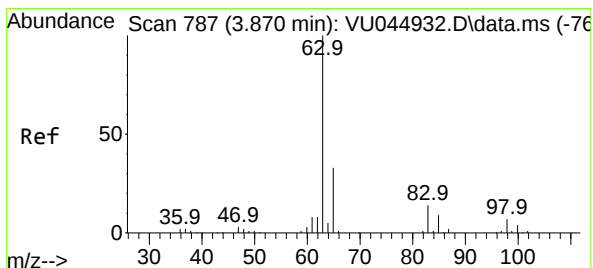
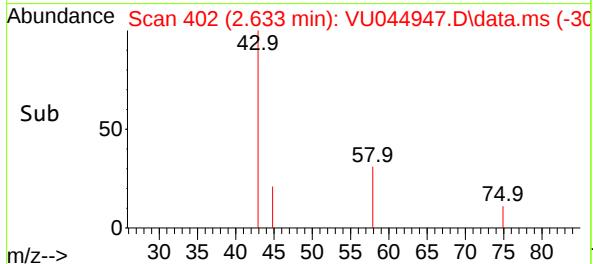
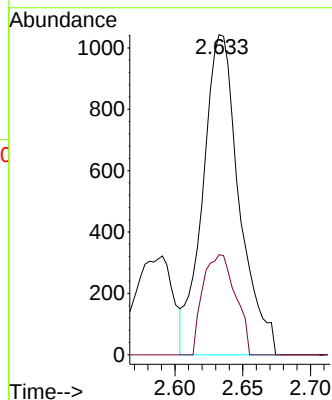
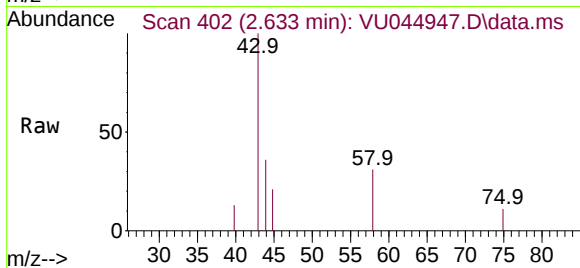
RE120D2-20210917

Tgt Ion: 43 Resp: 1949

Ion Ratio Lower Upper

43 100

58 31.3 25.2 37.8



#24

1,1-Dichloroethane

Concen: 0.420 ug/l

RT: 3.874 min Scan# 788

Delta R.T. 0.004 min

Lab File: VU044947.D

Acq: 28 Sep 2021 17:30

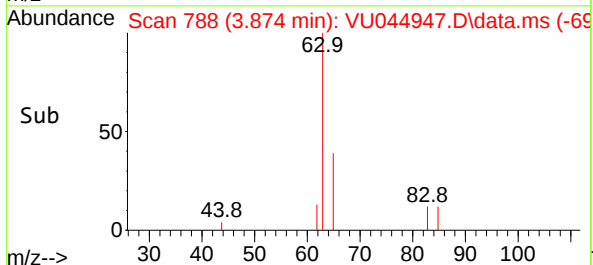
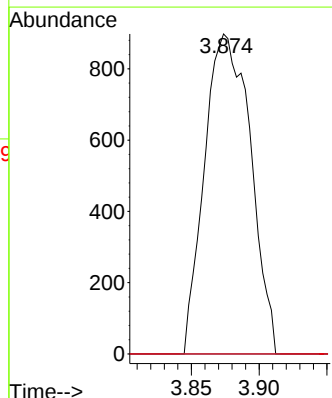
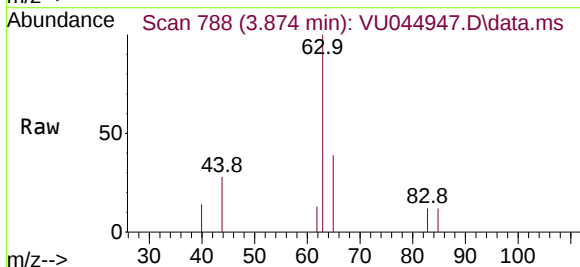
Tgt Ion: 63 Resp: 2120

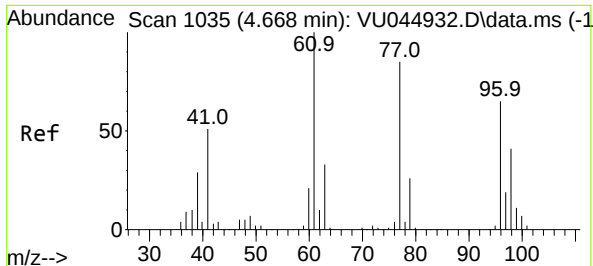
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

100 0.0 2.1 6.3#





#27

cis-1,2-Dichloroethene

Concen: 2.409 ug/l

RT: 4.674 min Scan# 1160

Delta R.T. 0.006 min

Lab File: VU044947.D

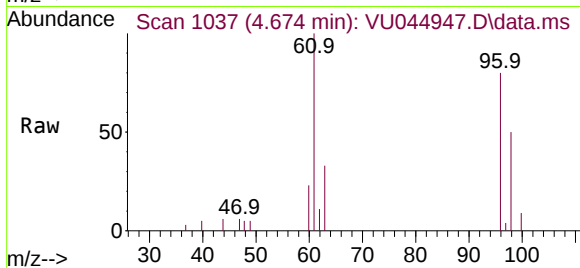
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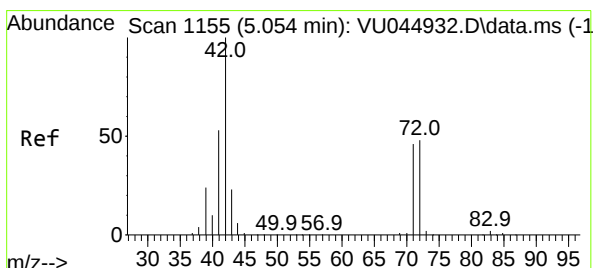
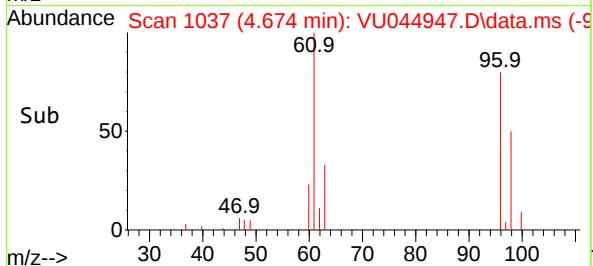
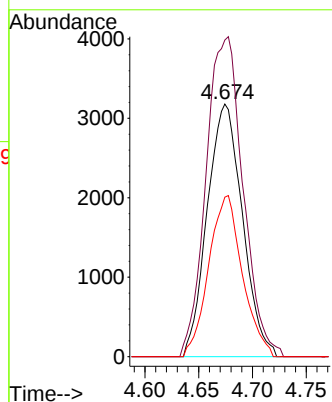
Tgt Ion: 96 Resp: 7241

Ion Ratio Lower Upper

96 100

61 132.9 0.0 313.4

98 60.9 0.0 127.0



#29

Tetrahydrofuran

Concen: 0.261 ug/l

RT: 5.070 min Scan# 1160

Delta R.T. 0.016 min

Lab File: VU044947.D

Acq: 28 Sep 2021 17:30

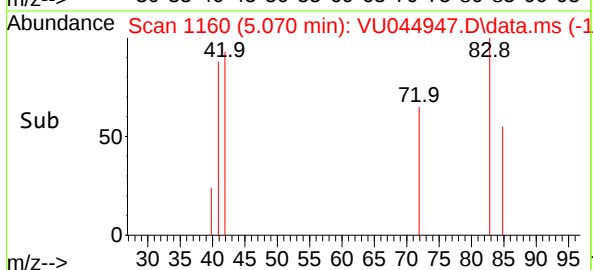
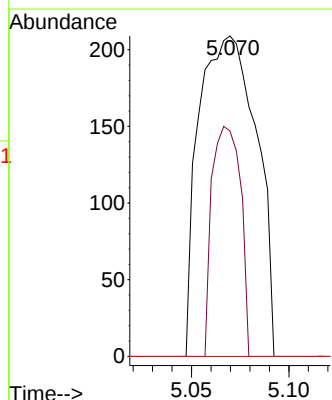
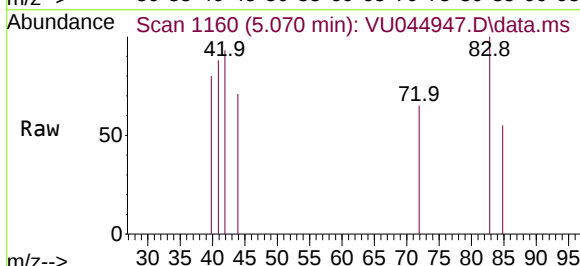
Tgt Ion: 42 Resp: 428

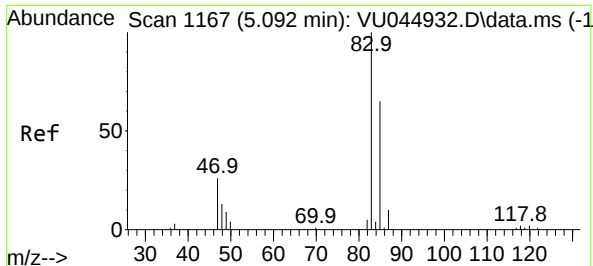
Ion Ratio Lower Upper

42 100

72 35.5 36.2 54.4#

71 0.0 34.1 51.1#





#30

Chloroform

Concen: 0.420 ug/l

RT: 5.099 min Scan# 1167

Delta R.T. 0.007 min

Lab File: VU044947.D

Acq: 28 Sep 2021 17:30

Instrument :

MSVOA_U

ClientSampleId :

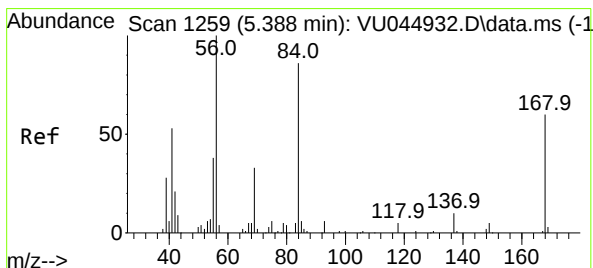
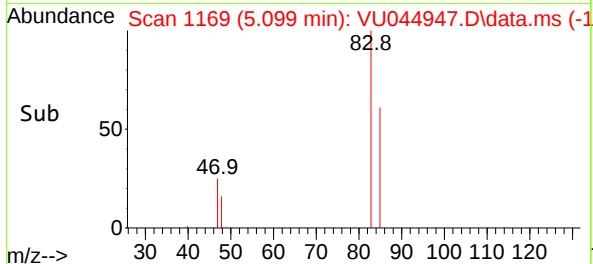
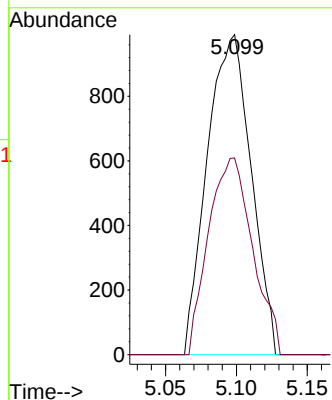
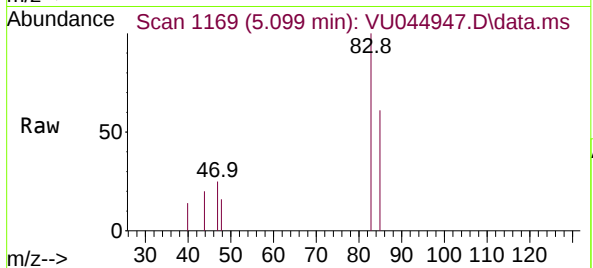
RE120D2-20210917

Tgt Ion: 83 Resp: 2136

Ion Ratio Lower Upper

83 100

85 61.5 52.1 78.1



#31

Cyclohexane

Concen: 1.036 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.006 min

Lab File: VU044947.D

Acq: 28 Sep 2021 17:30

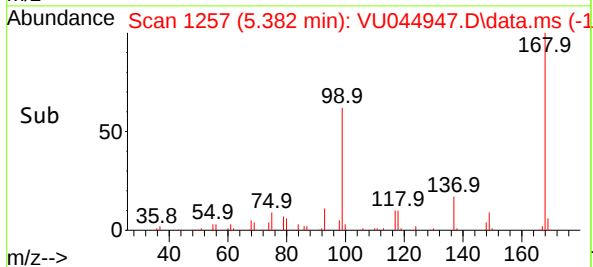
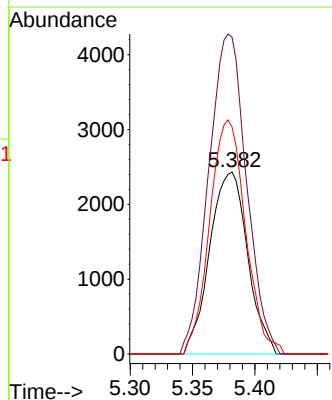
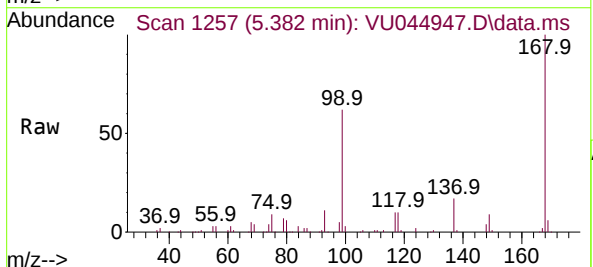
Tgt Ion: 56 Resp: 5139

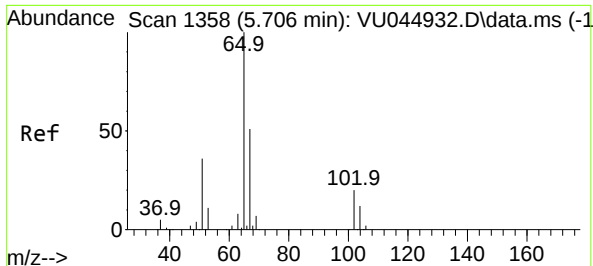
Ion Ratio Lower Upper

56 100

69 174.1 25.2 37.8#

84 124.7 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 48.383 ug/l

RT: 5.706 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU044947.D

Acq: 28 Sep 2021 17:30

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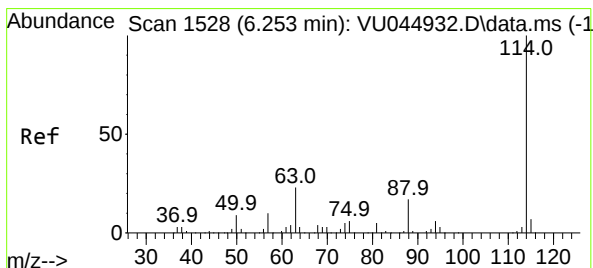
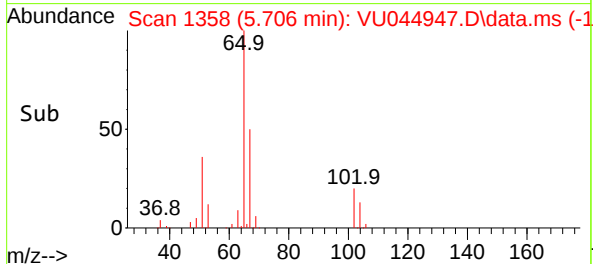
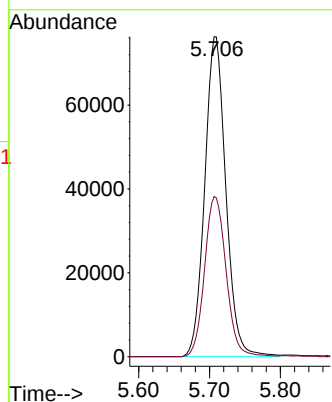
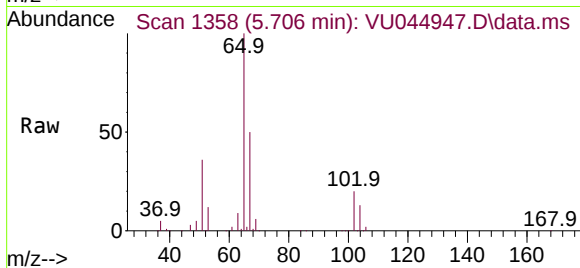
RE120D2-20210917

Tgt Ion: 65 Resp: 158064

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.003 min

Lab File: VU044947.D

Acq: 28 Sep 2021 17:30

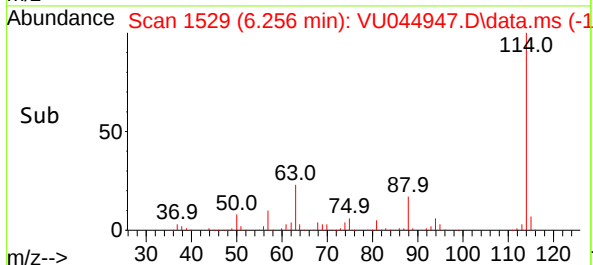
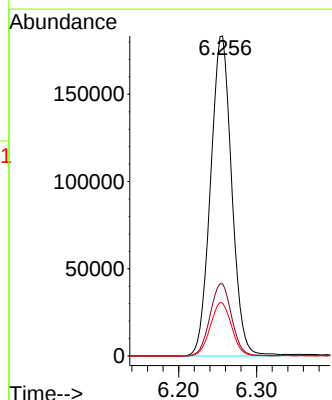
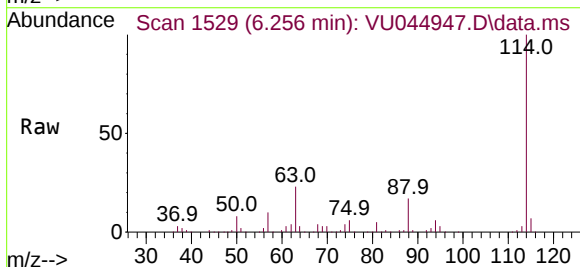
Tgt Ion: 114 Resp: 345701

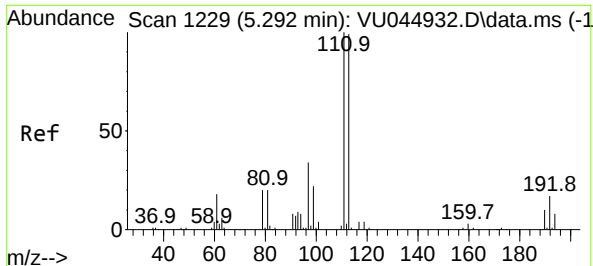
Ion Ratio Lower Upper

114 100

63 22.5 0.0 47.8

88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.554 ug/l

RT: 5.295 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU044947.D

Acq: 28 Sep 2021 17:30

Instrument :

MSVOA_U

ClientSampleId :

RE120D2-20210917

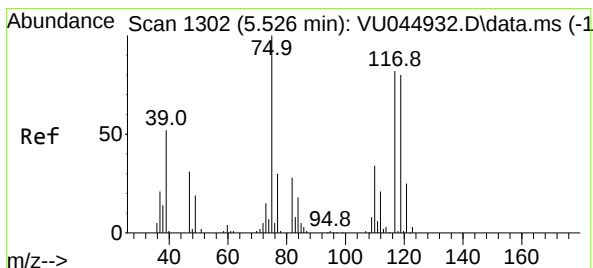
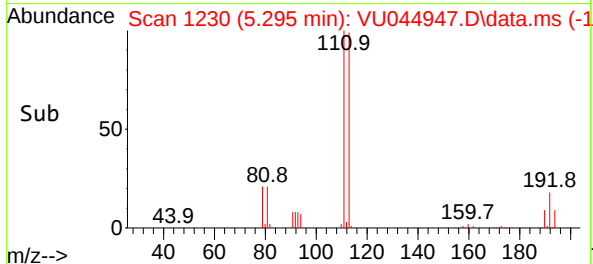
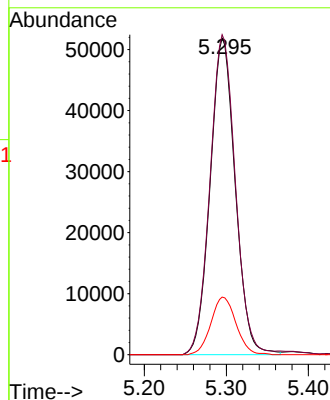
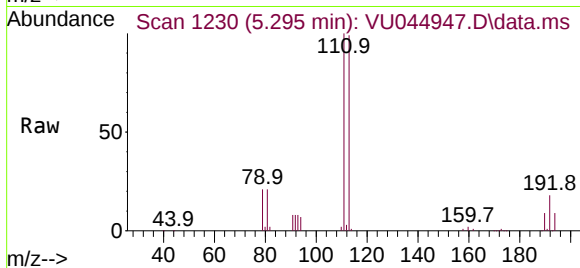
Tgt Ion:113 Resp: 110249

Ion Ratio Lower Upper

113 100

111 102.2 84.1 126.1

192 18.2 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.126 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.148 min

Lab File: VU044947.D

Acq: 28 Sep 2021 17:30

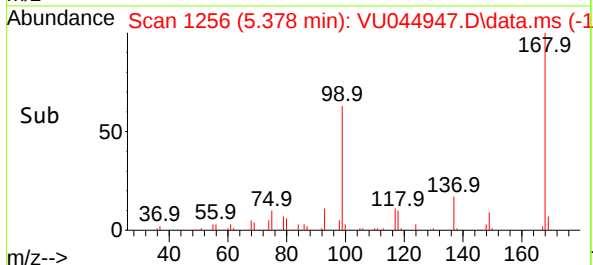
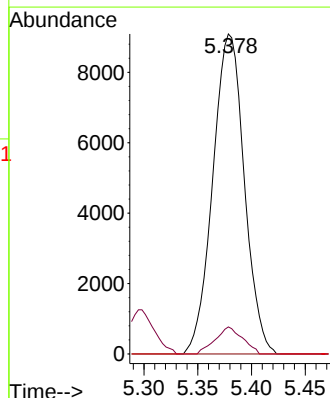
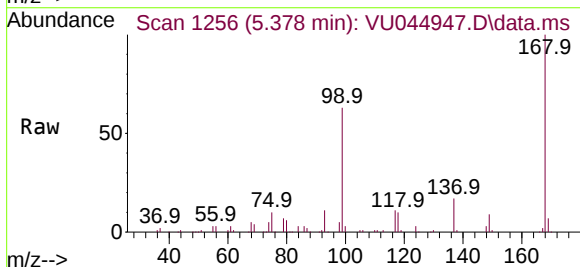
Tgt Ion: 75 Resp: 18530

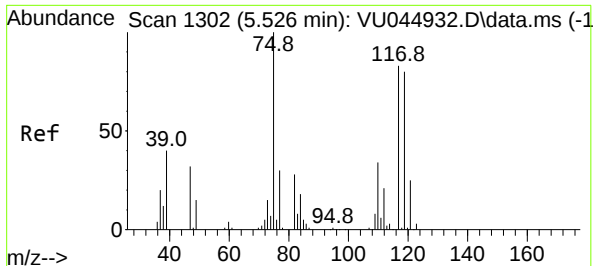
Ion Ratio Lower Upper

75 100

110 7.3 16.3 48.9#

77 0.0 25.0 37.4#

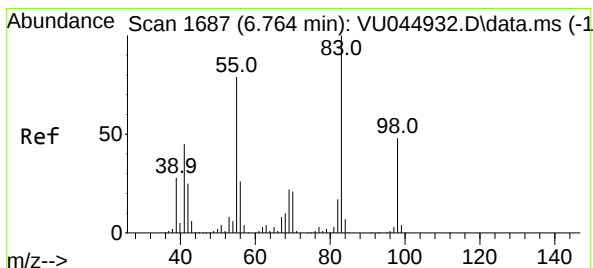
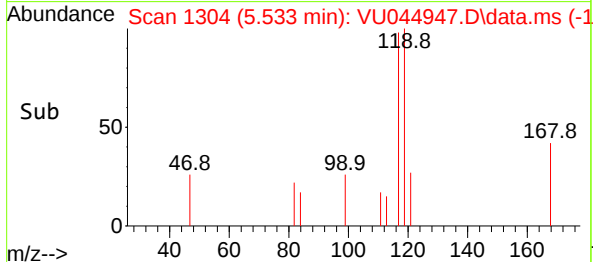
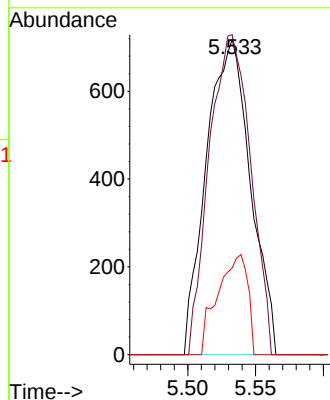
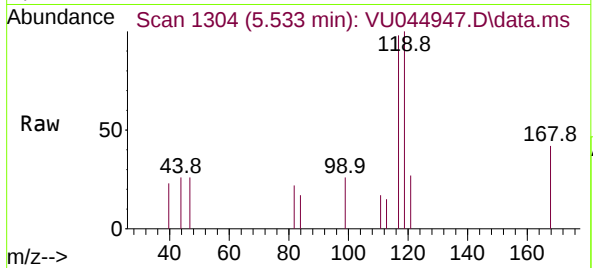




#38
Carbon Tetrachloride
Concen: 0.519 ug/l
RT: 5.533 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU044947.D
Acq: 28 Sep 2021 17:30

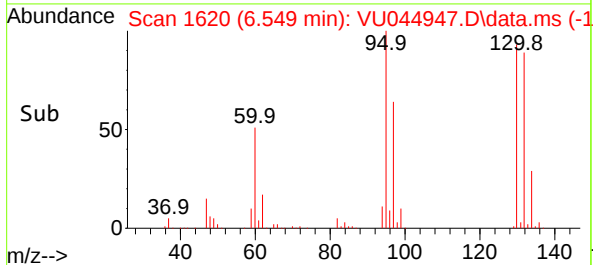
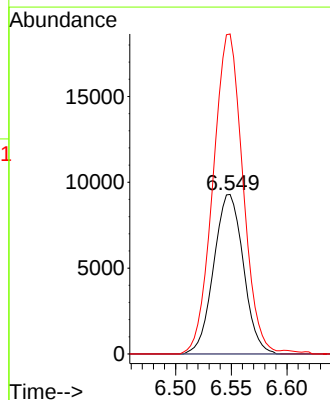
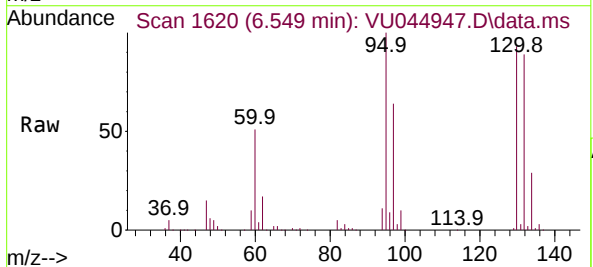
Instrument :
MSVOA_U
ClientSampleId :
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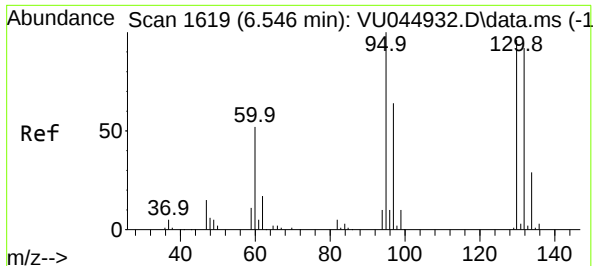
Tgt Ion:117 Resp: 1625
Ion Ratio Lower Upper
117 100
119 101.5 77.4 116.2
121 27.6 24.5 36.7



#39
Methylcyclohexane
Concen: 3.880 ug/l
RT: 6.549 min Scan# 1620
Delta R.T. -0.215 min
Lab File: VU044947.D
Acq: 28 Sep 2021 17:30

Tgt Ion: 83 Resp: 17218
Ion Ratio Lower Upper
83 100
55 0.0 66.2 99.4#
98 200.7 37.5 56.3#

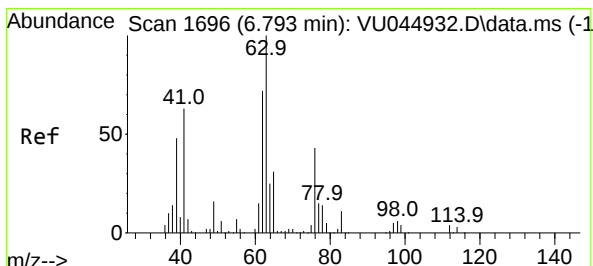
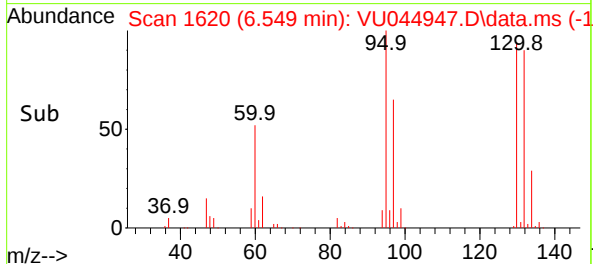
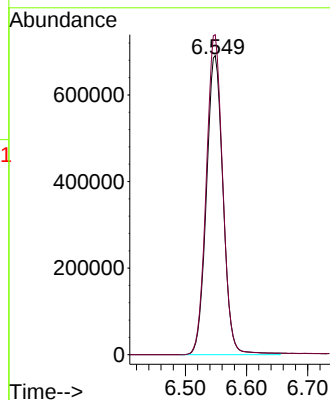
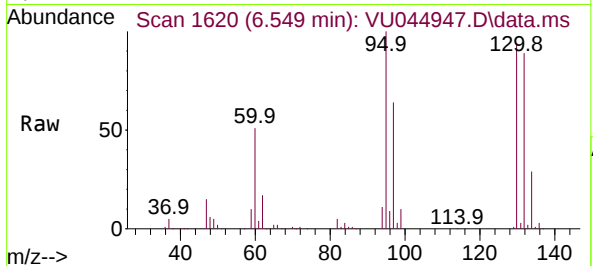




#44
Trichloroethene
Concen: 515.389 ug/l
RT: 6.549 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU044947.D
Acq: 28 Sep 2021 17:30

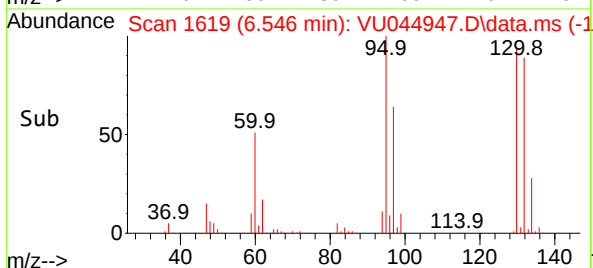
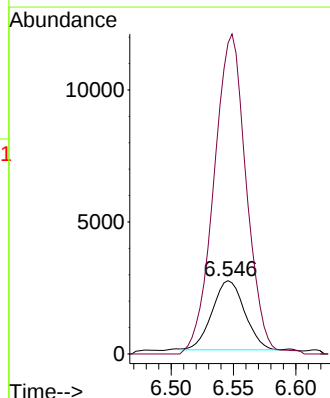
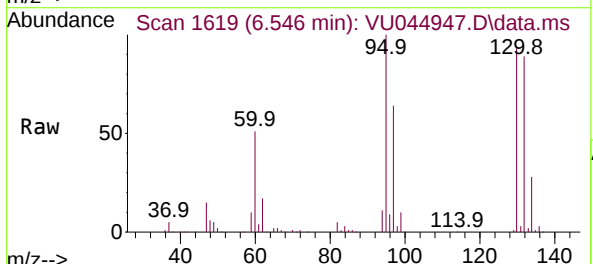
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20210917

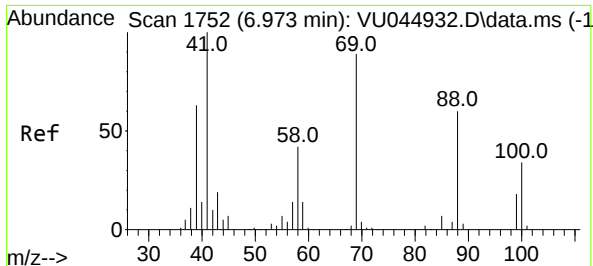
Tgt Ion:130 Resp: 1308401
Ion Ratio Lower Upper
130 100
95 107.0 0.0 209.0



#45
1,2-Dichloropropane
Concen: 1.670 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. -0.247 min
Lab File: VU044947.D
Acq: 28 Sep 2021 17:30

Tgt Ion: 63 Resp: 4768
Ion Ratio Lower Upper
63 100
65 449.3 23.9 35.9#





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.973 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU044947.D

Acq: 28 Sep 2021 17:30

Instrument :

MSVOA_U

ClientSampleId :

RE120D2-20210917

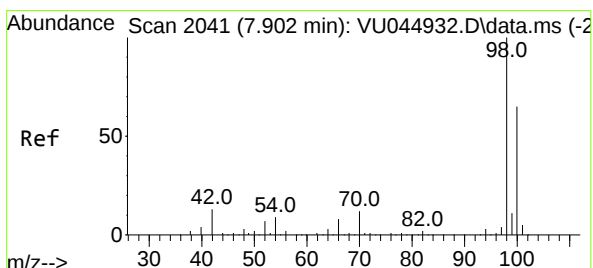
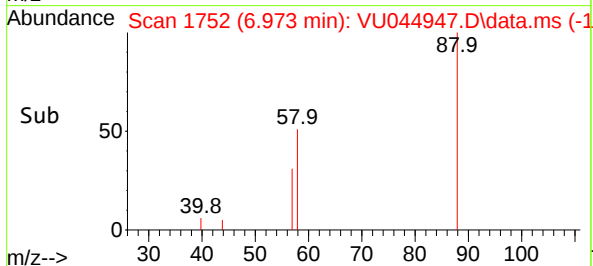
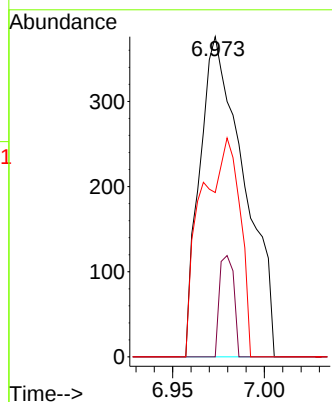
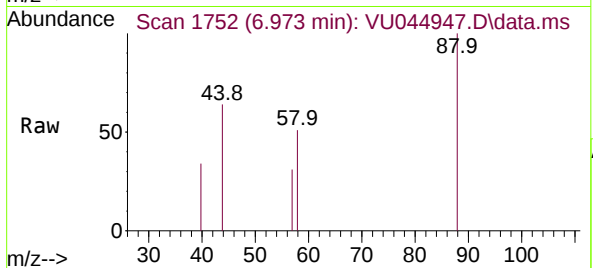
Tgt Ion: 88 Resp: 630

Ion Ratio Lower Upper

88 100

43 10.2 25.8 38.6#

58 59.5 61.3 91.9#



#50

Toluene-d8

Concen: 51.213 ug/l

RT: 7.902 min Scan# 2041

Delta R.T. 0.000 min

Lab File: VU044947.D

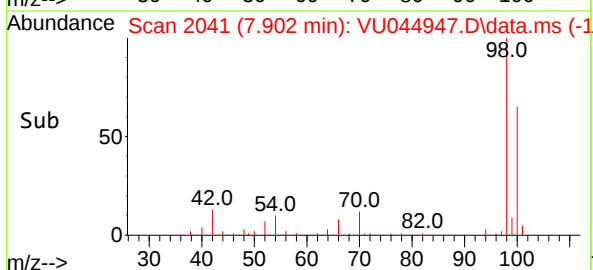
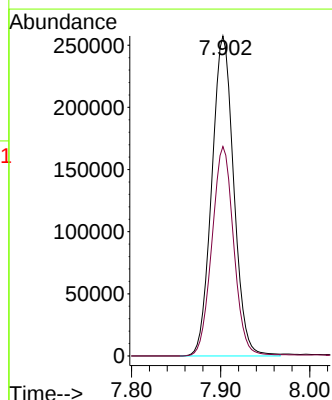
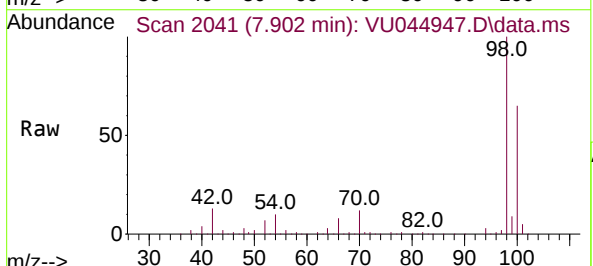
Acq: 28 Sep 2021 17:30

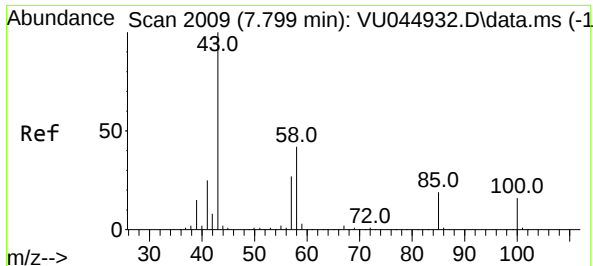
Tgt Ion: 98 Resp: 441289

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7

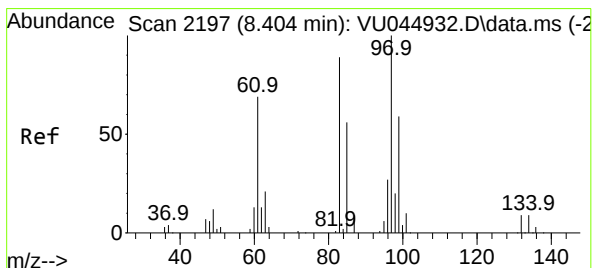
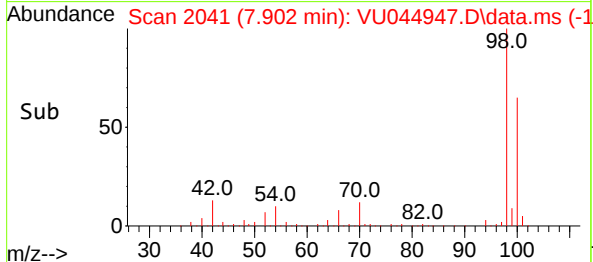
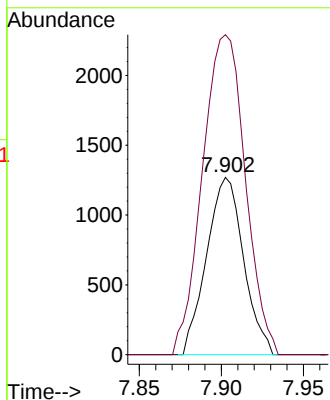
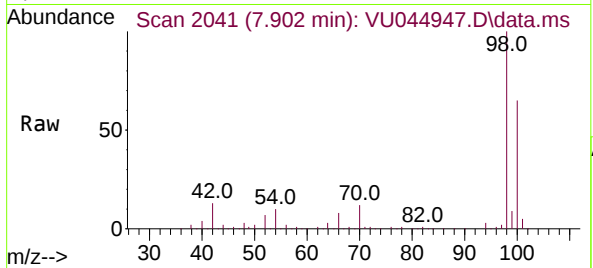




#51
4-Methyl-2-Pentanone
Concen: 0.380 ug/l
RT: 7.902 min Scan# 2009
Delta R.T. 0.103 min
Lab File: VU044947.D
Acq: 28 Sep 2021 17:30

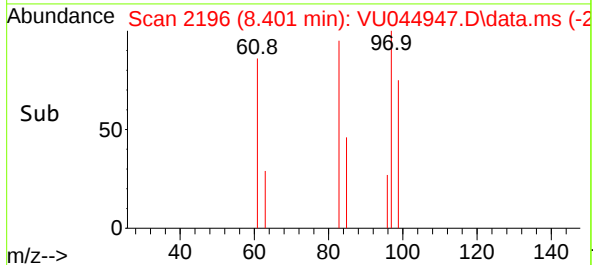
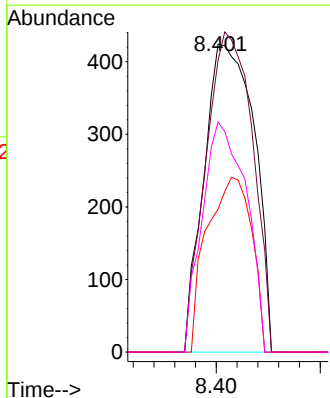
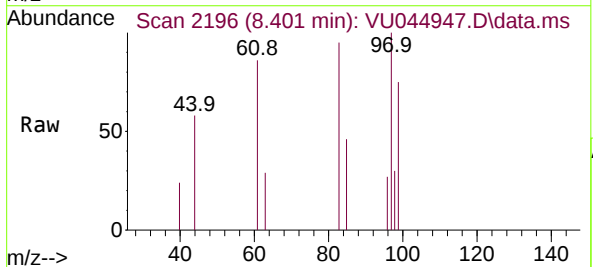
Instrument :
MSVOA_U
ClientSampleId :
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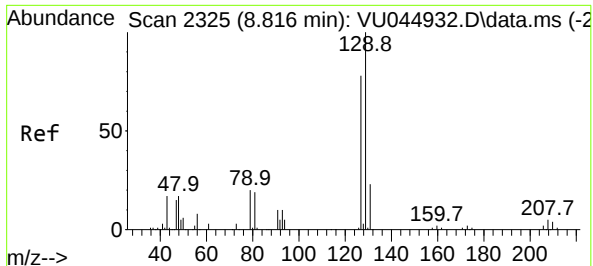
Tgt Ion: 43 Resp: 1989
Ion Ratio Lower Upper
43 100
58 209.1 32.4 48.6#



#55
1,1,2-Trichloroethane
Concen: 0.254 ug/l
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU044947.D
Acq: 28 Sep 2021 17:30

Tgt Ion: 97 Resp: 712
Ion Ratio Lower Upper
97 100
83 94.8 69.7 104.5
85 46.5 44.8 67.2
99 74.8 49.3 73.9#

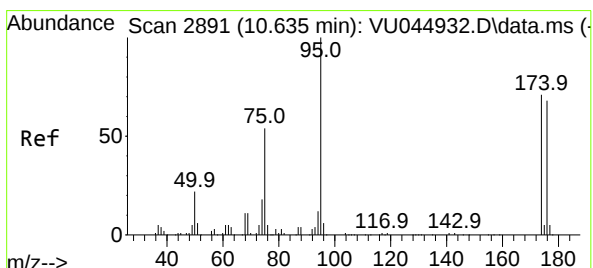
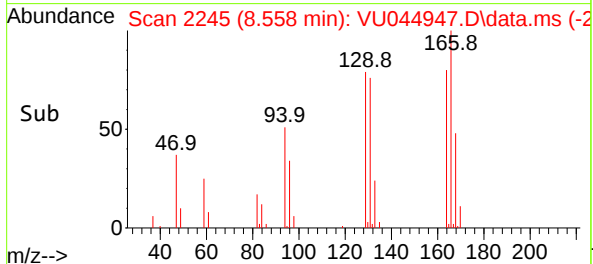
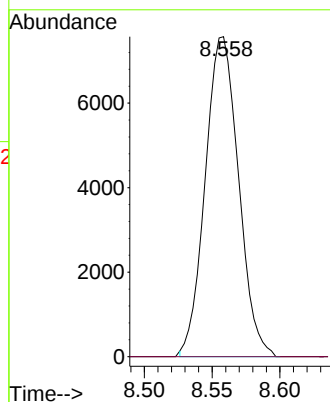
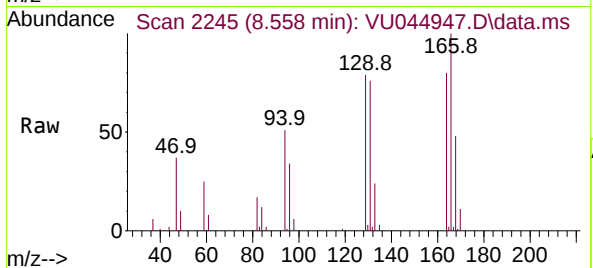




#60
Dibromochloromethane
Concen: 6.335 ug/l
RT: 8.558 min Scan# 211
Delta R.T. -0.258 min
Lab File: VU044947.D
Acq: 28 Sep 2021 17:30

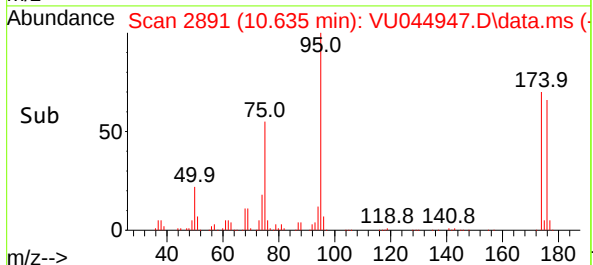
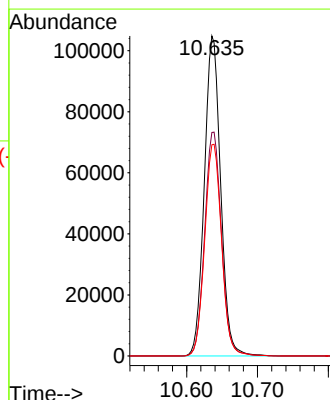
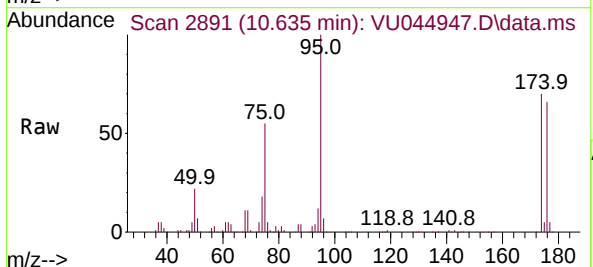
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20210917

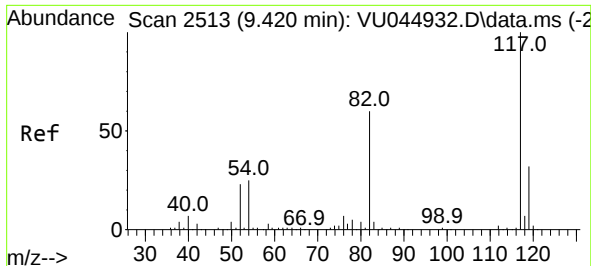
Tgt Ion:129 Resp: 12945
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 47.180 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU044947.D
Acq: 28 Sep 2021 17:30

Tgt Ion: 95 Resp: 167839
Ion Ratio Lower Upper
95 100
174 71.9 0.0 146.6
176 68.4 0.0 141.2

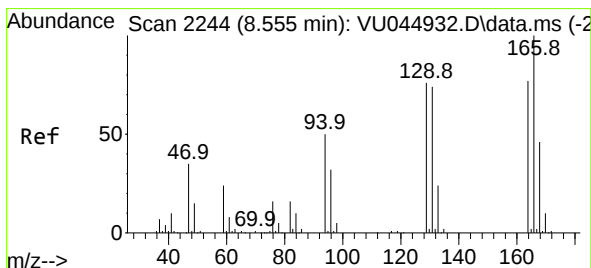
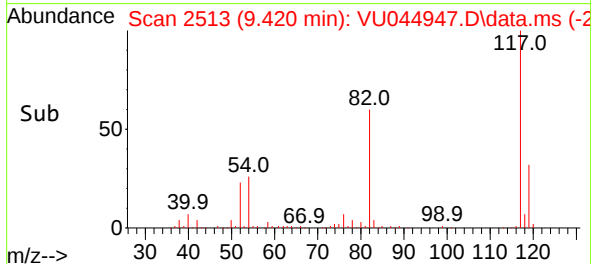
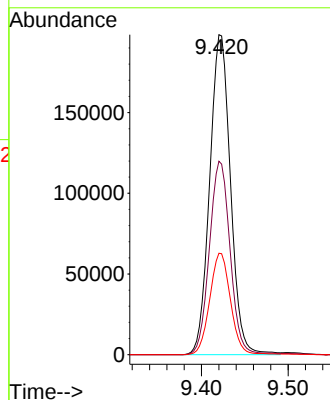
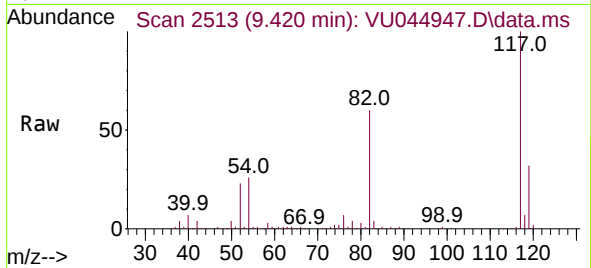




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU044947.D
Acq: 28 Sep 2021 17:30

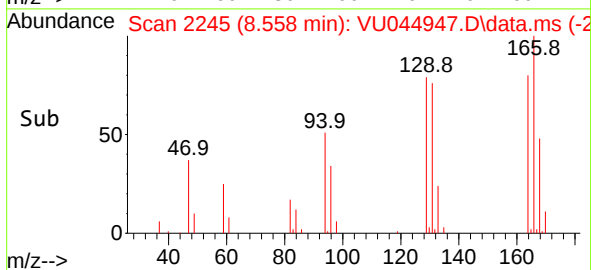
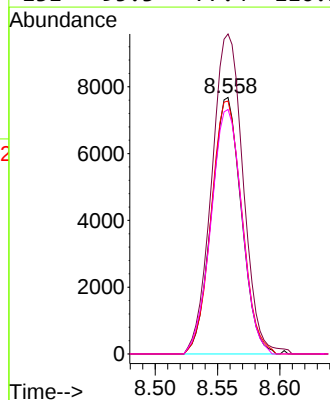
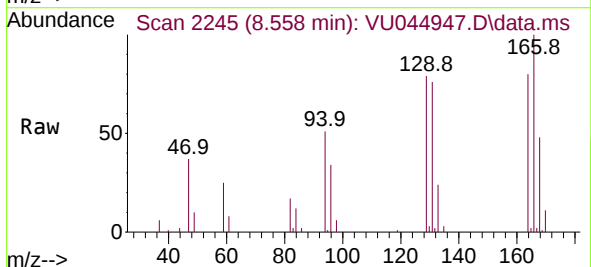
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20210917

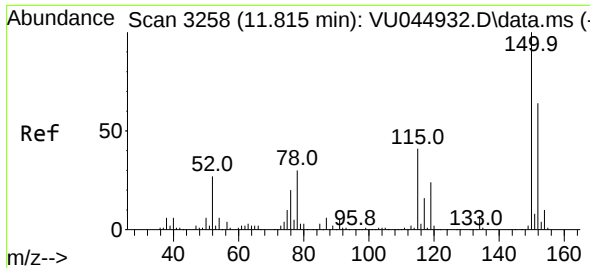
Tgt Ion:117 Resp: 330990
Ion Ratio Lower Upper
117 100
82 60.4 47.8 71.8
119 31.7 25.8 38.6



#64
Tetrachloroethene
Concen: 5.935 ug/l
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU044947.D
Acq: 28 Sep 2021 17:30

Tgt Ion:164 Resp: 12822
Ion Ratio Lower Upper
164 100
166 124.8 102.8 154.2
129 98.6 79.4 119.2
131 95.3 77.4 116.2

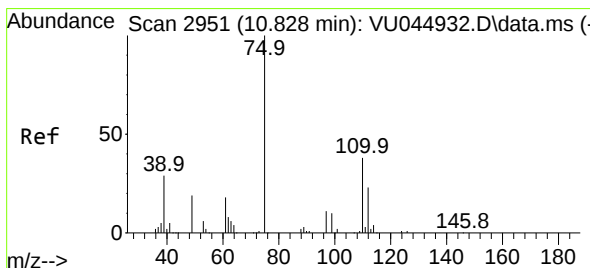
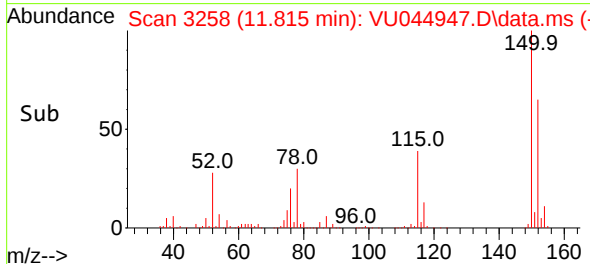
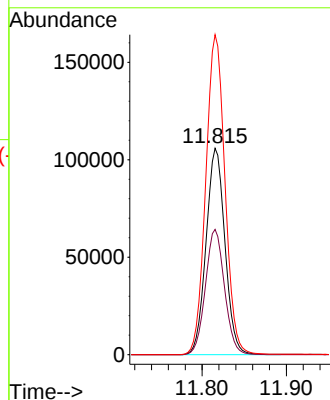
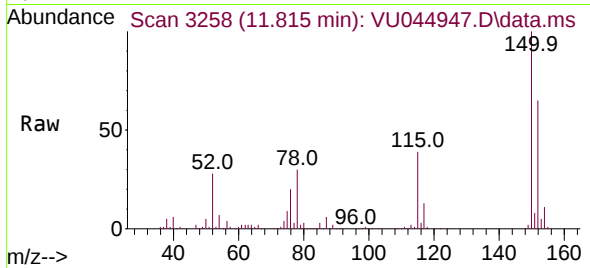




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU044947.D
Acq: 28 Sep 2021 17:30

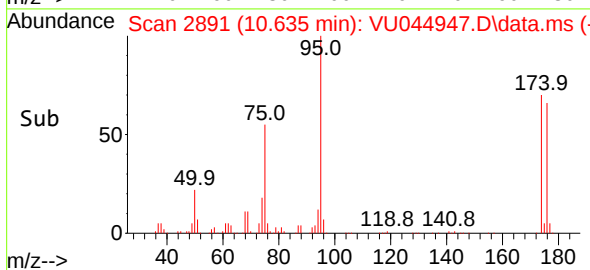
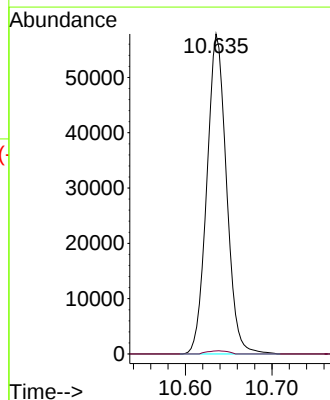
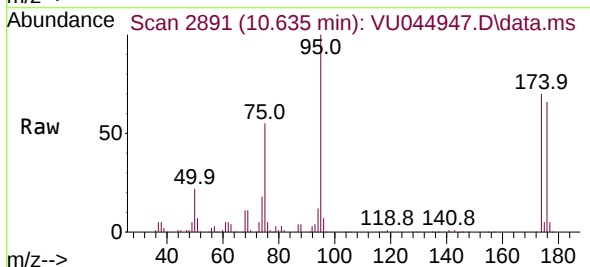
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20210917

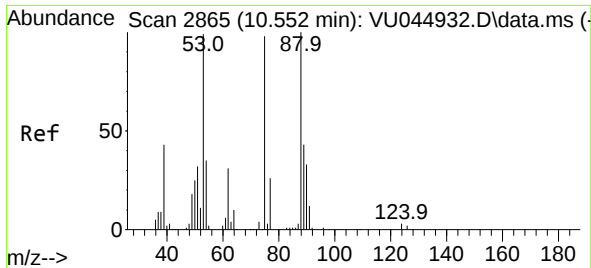
Tgt Ion:152 Resp: 165522
Ion Ratio Lower Upper
152 100
115 61.2 43.5 130.7
150 157.2 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 18.836 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044947.D
Acq: 28 Sep 2021 17:30

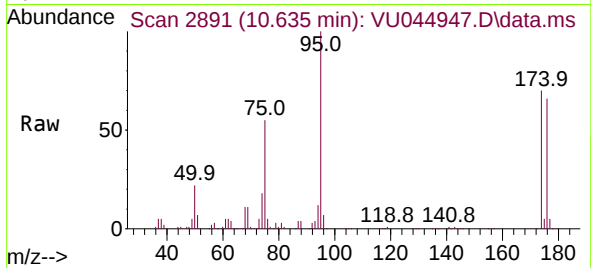
Tgt Ion: 75 Resp: 90938
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.272 ug/l
 RT: 10.635 min Scan# 21
 Delta R.T. 0.083 min
 Lab File: VU044947.D
 Acq: 28 Sep 2021 17:30

Instrument :
 MSVOA_U
 ClientSampleId :
 RE120D2-20210917



Tgt Ion: 75 Resp: 90938
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

