

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111021\
 Data File : VU045688.D
 Acq On : 10 Nov 2021 15:22
 Operator : SY/MD
 Sample : M4497-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RO-COMP-1

Quant Time: Nov 10 16:37:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

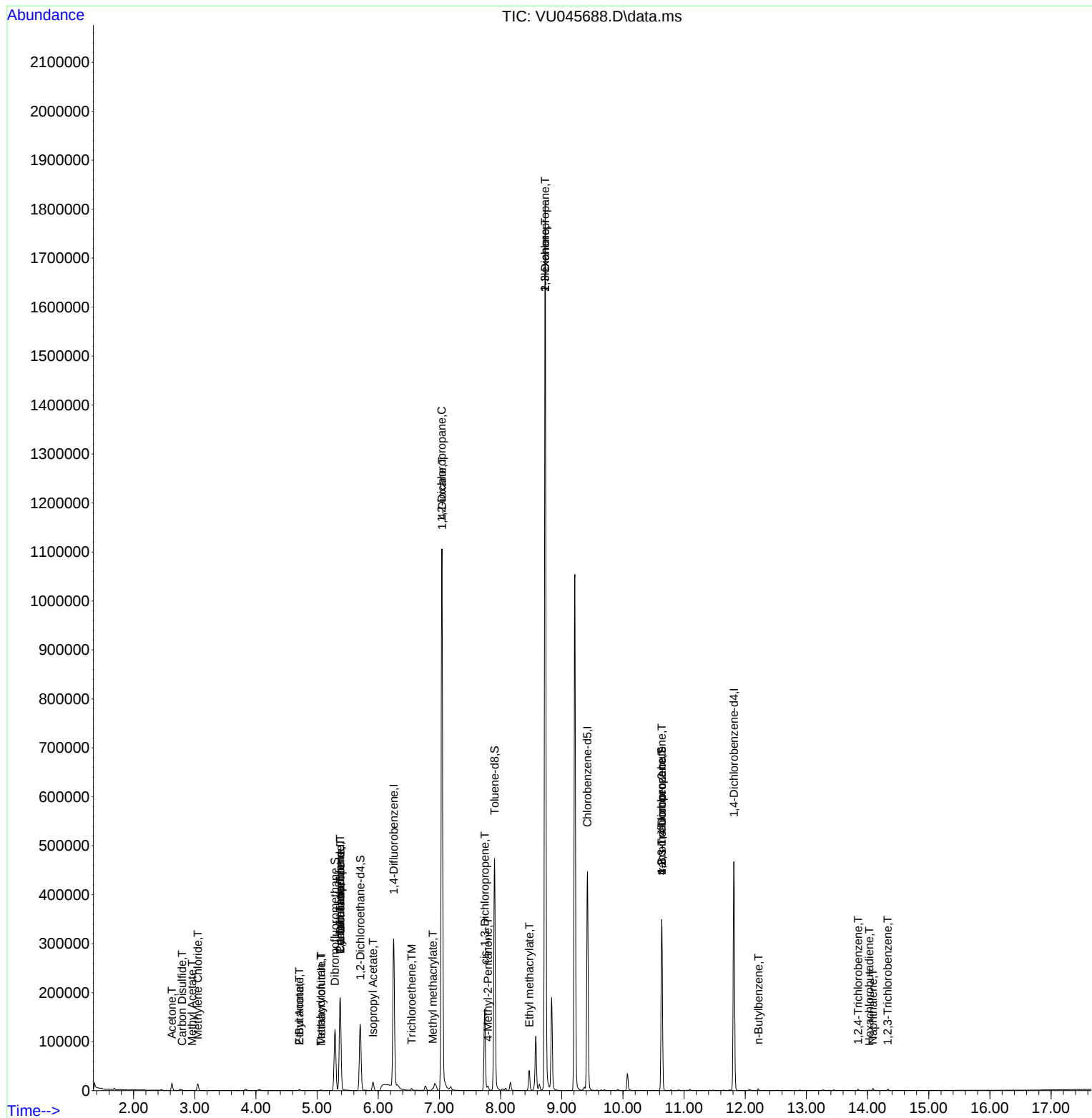
Internal Standards						
1) Pentafluorobenzene	5.378	168	124873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	235560	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	240629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	115277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	101564	54.309	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery	= 108.620%		
35) Dibromofluoromethane	5.292	113	78972	50.214	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 100.420%		
50) Toluene-d8	7.902	98	312944	53.512	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery	= 107.020%		
62) 4-Bromofluorobenzene	10.635	95	115473	49.241	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 98.480%		
Target Compounds						Qvalue
16) Acetone	2.626	43	16266	17.086	ug/l	100
17) Carbon Disulfide	2.793	76	997	0.259	ug/l #	75
18) Methyl Acetate	2.957	43	1107	0.341	ug/l #	66
20) Methylene Chloride	3.051	84	6554	3.962	ug/l	94
25) 2-Butanone	4.710	43	3230	2.446	ug/l	96
29) Tetrahydrofuran	5.063	42	775	0.960	ug/l	91
31) Cyclohexane	5.375	56	2983	1.093	ug/l #	4
36) 1,1-Dichloropropene	5.378	75	11118	4.840	ug/l #	47
37) Ethyl Acetate	4.710	43	3230	1.224	ug/l #	67
38) Carbon Tetrachloride	5.375	117	13707	5.919	ug/l #	16
41) Methacrylonitrile	5.070	41	472	0.339	ug/l #	35
43) Isopropyl Acetate	5.915	43	18648	4.621	ug/l	99
44) Trichloroethene	6.546	130	1222	0.751	ug/l	99
45) 1,2-Dichloropropane	7.037	63	1413	0.785	ug/l #	43
48) Methyl methacrylate	6.893	41	6404	3.448	ug/l #	13
49) 1,4-Dioxane	7.044	88	94	1.968	ug/l #	1
51) 4-Methyl-2-Pentanone	7.793	43	6055	2.274	ug/l #	81
54) cis-1,3-Dichloropropene	7.742	75	30704	10.633	ug/l #	59
56) Ethyl methacrylate	8.472	69	101	2.455	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	18516	5.958	ug/l #	42
59) 2-Hexanone	8.729	43	240038	108.037	ug/l #	49
76) 1,2,3-Trichloropropane	10.635	75	62708	17.938	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.635	75	62708	58.238	ug/l #	12
89) n-Butylbenzene	12.214	91	1701	0.254	ug/l	86
93) 1,2,4-Trichlorobenzene	13.844	180	1052	0.424	ug/l	95
94) Hexachlorobutadiene	14.028	225	272	0.254	ug/l #	51
95) Naphthalene	14.085	128	3629	1.410	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.330	180	939	0.381	ug/l	87

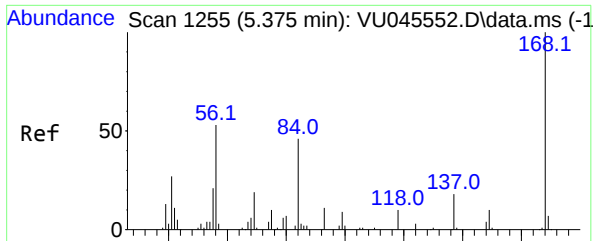
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

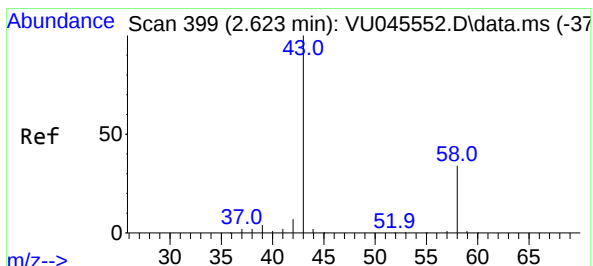
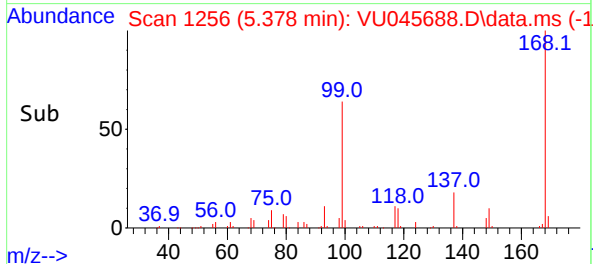
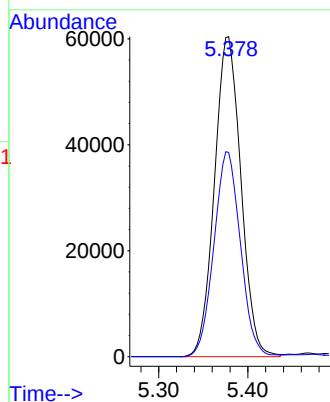
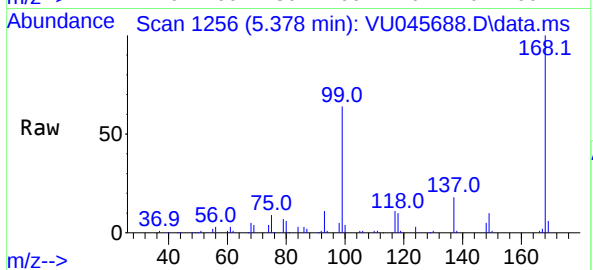




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

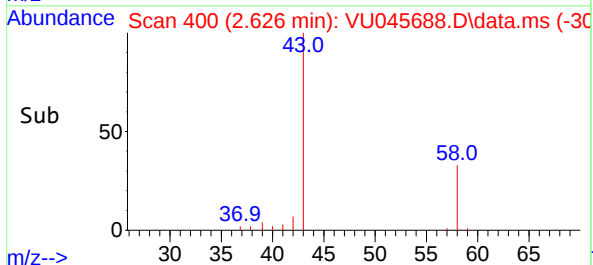
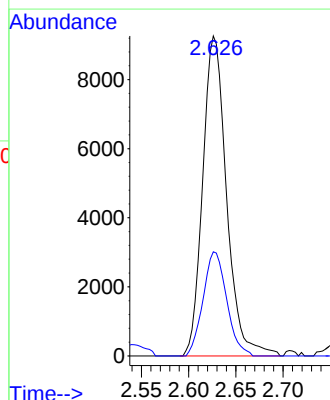
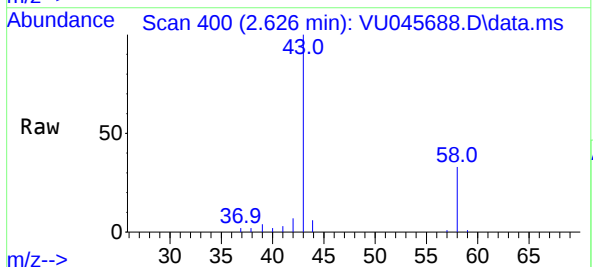
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

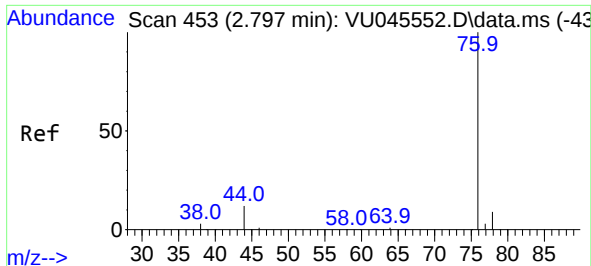
Tgt Ion:168 Resp: 124873
Ion Ratio Lower Upper
168 100
99 63.9 51.0 76.6



#16
Acetone
Concen: 17.086 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

Tgt Ion: 43 Resp: 16266
Ion Ratio Lower Upper
43 100
58 32.5 26.2 39.2

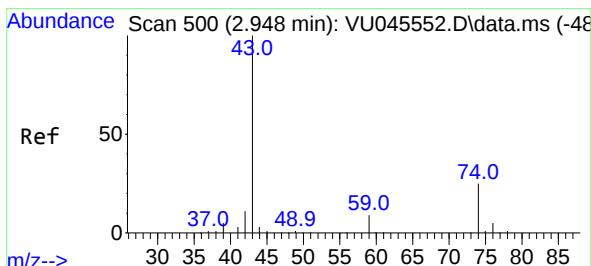
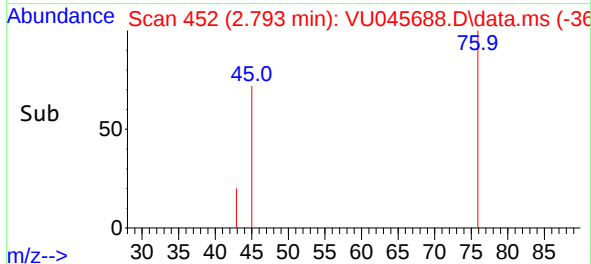
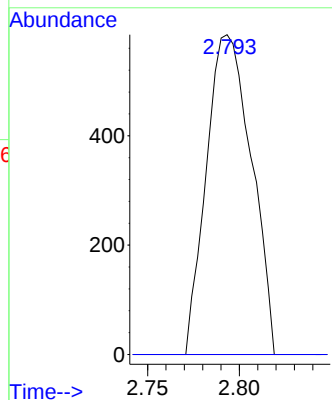
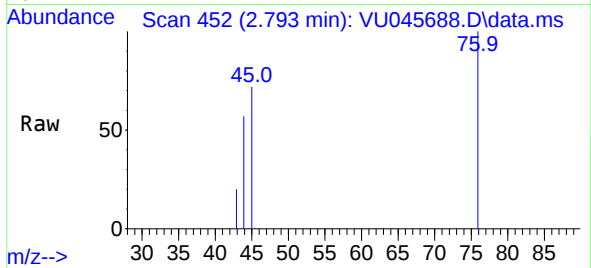




#17
Carbon Disulfide
Concen: 0.259 ug/l
RT: 2.793 min Scan# 411
Delta R.T. -0.003 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

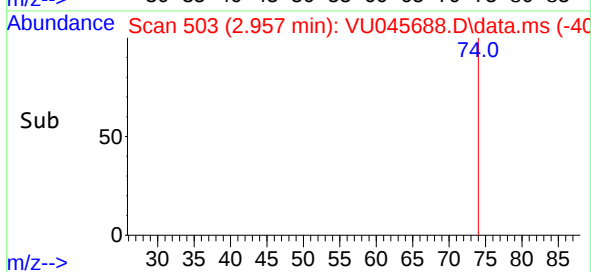
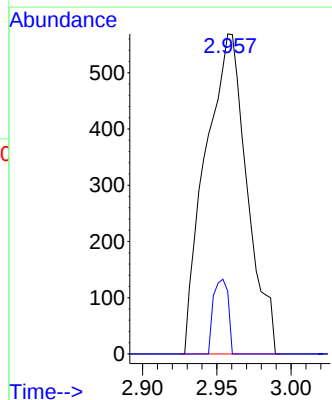
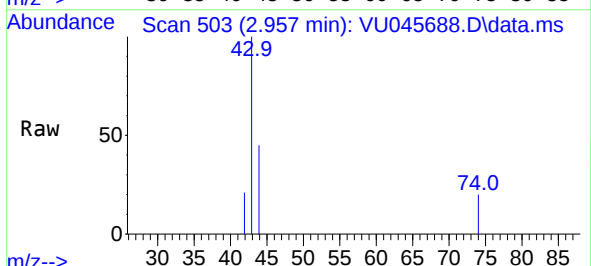
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

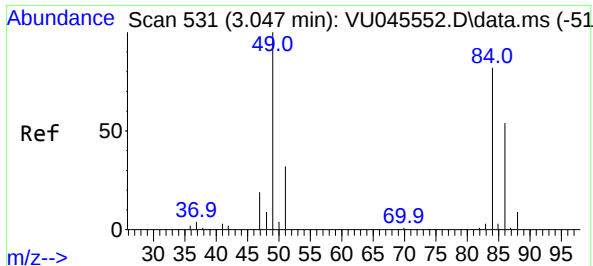
Tgt Ion: 76 Resp: 997
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: 0.341 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.010 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

Tgt Ion: 43 Resp: 1107
Ion Ratio Lower Upper
43 100
74 8.3 20.2 30.2#



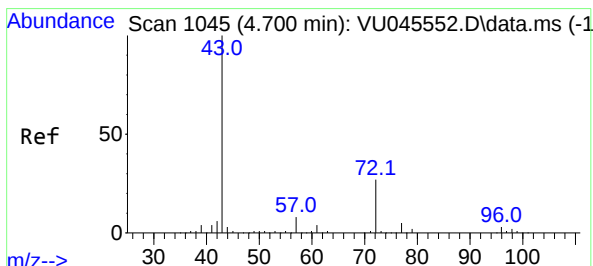
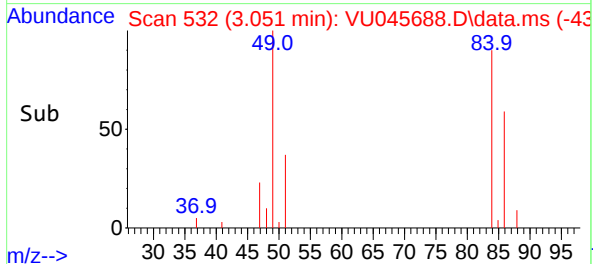
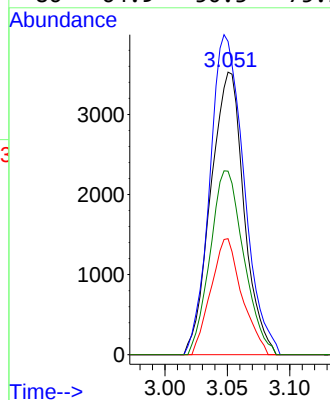
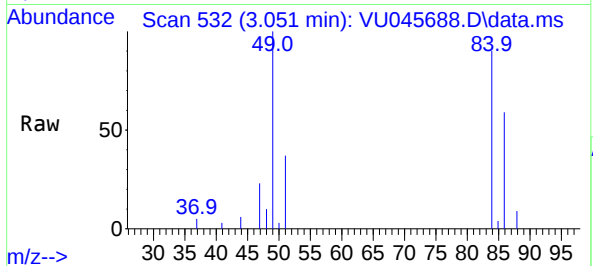


#20
Methylene Chloride
Concen: 3.962 ug/l
RT: 3.051 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

Tgt Ion: 84 Resp: 6554

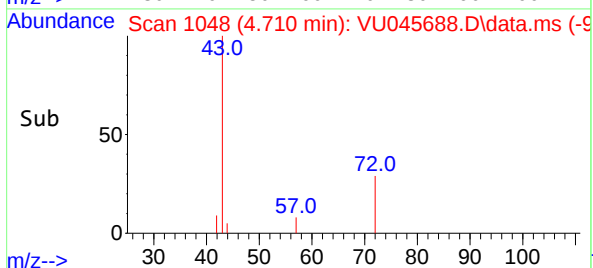
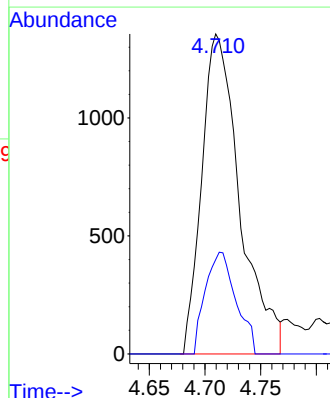
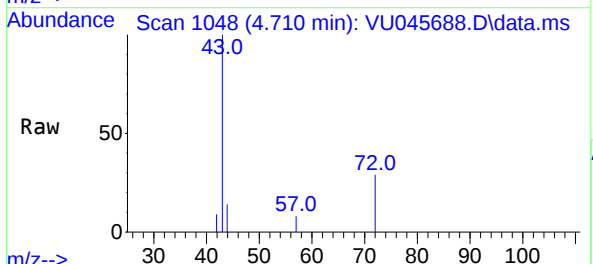
Ion	Ratio	Lower	Upper
84	100		
49	110.9	96.4	144.6
51	41.1	30.5	45.7
86	64.9	50.3	75.5

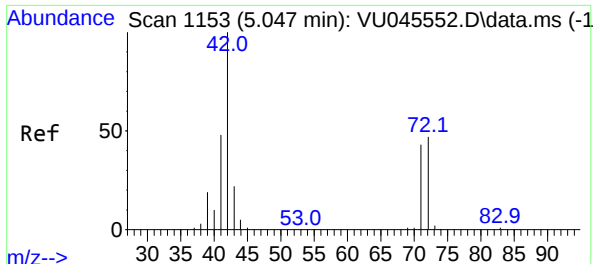


#25
2-Butanone
Concen: 2.446 ug/l
RT: 4.710 min Scan# 1048
Delta R.T. 0.010 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

Tgt Ion: 43 Resp: 3230

Ion	Ratio	Lower	Upper
43	100		
72	29.5	22.0	33.0

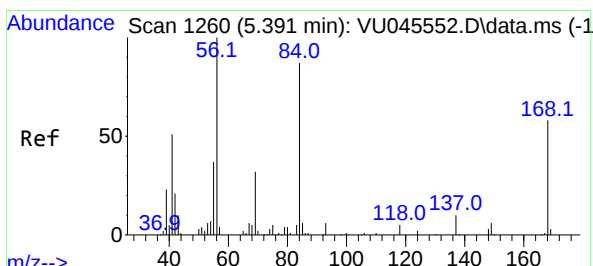
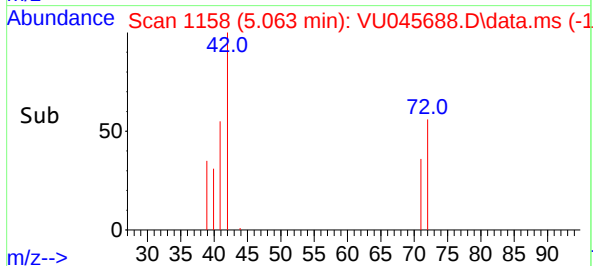
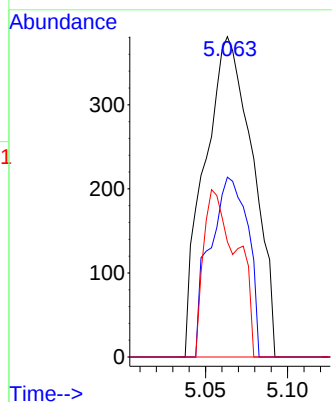
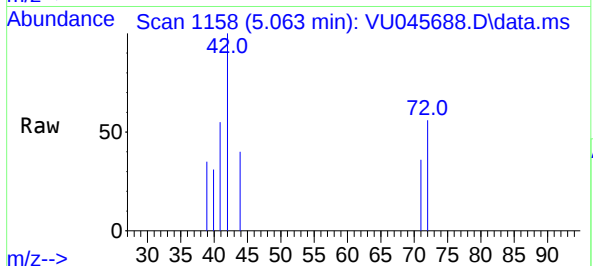




#29
Tetrahydrofuran
Concen: 0.960 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.016 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

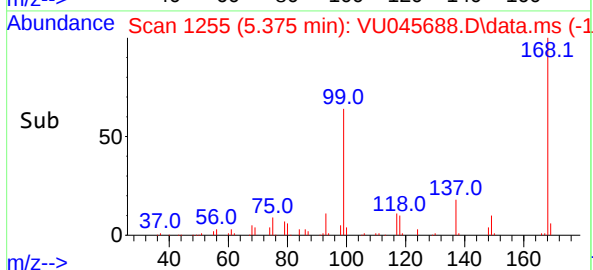
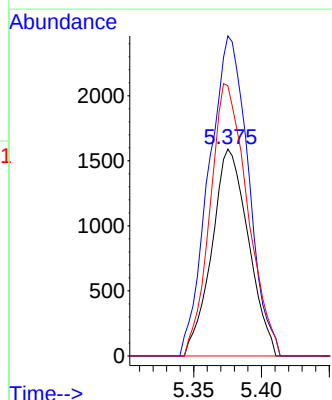
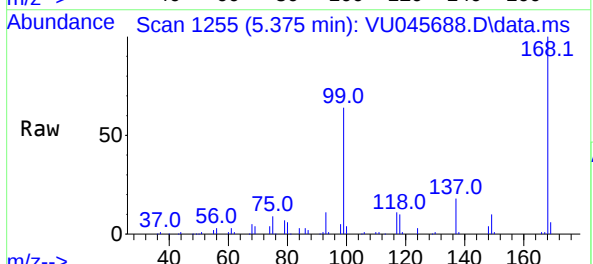
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

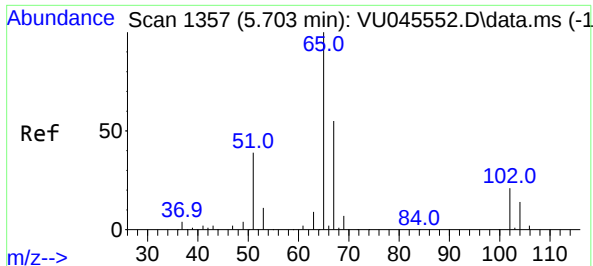
Tgt Ion:	42	Resp:	775
Ion	Ratio	Lower	Upper
42	100		
72	44.4	38.2	57.4
71	36.0	35.4	53.2



#31
Cyclohexane
Concen: 1.093 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

Tgt Ion:	56	Resp:	2983
Ion	Ratio	Lower	Upper
56	100		
69	154.7	26.4	39.6#
84	130.6	68.4	102.6#

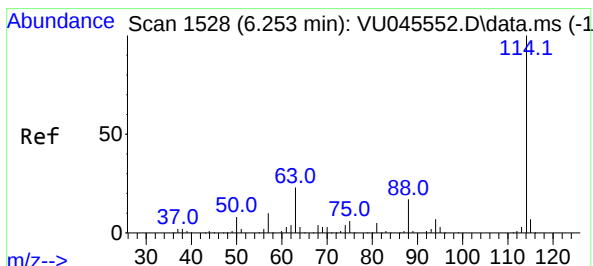
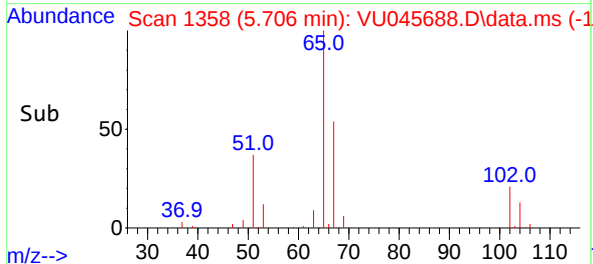
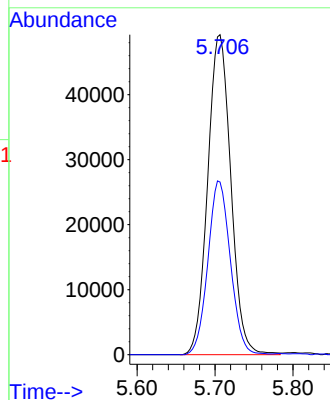
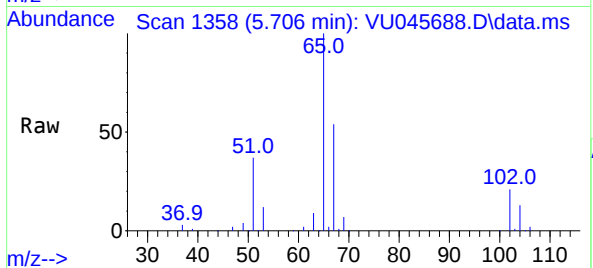




#33
1,2-Dichloroethane-d4
Concen: 54.309 ug/l
RT: 5.706 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

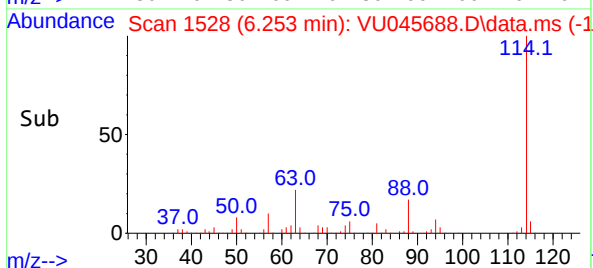
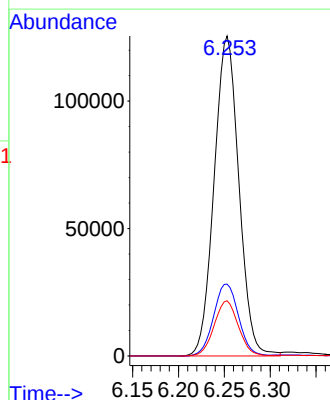
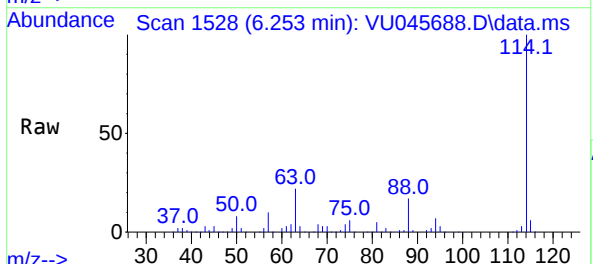
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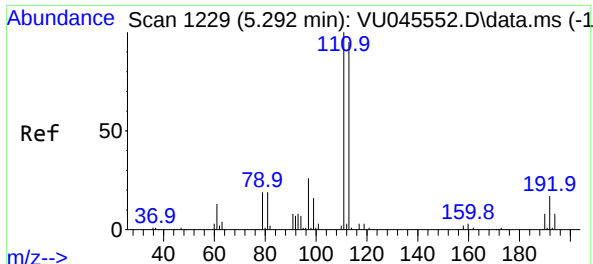
Tgt Ion: 65 Resp: 101564
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

Tgt Ion: 114 Resp: 235560
Ion Ratio Lower Upper
114 100
63 22.4 0.0 45.6
88 17.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.214 ug/l

RT: 5.292 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU045688.D

Acq: 10 Nov 2021 15:22

Instrument :

MSVOA_U

ClientSampleId :

RO-COMP-1

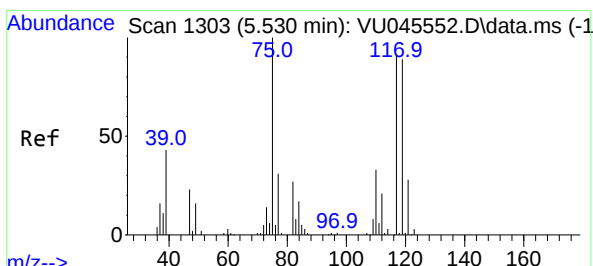
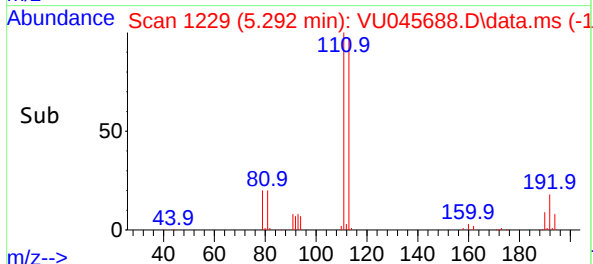
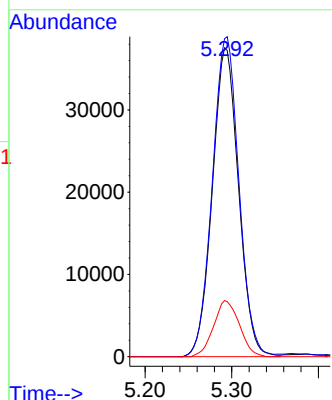
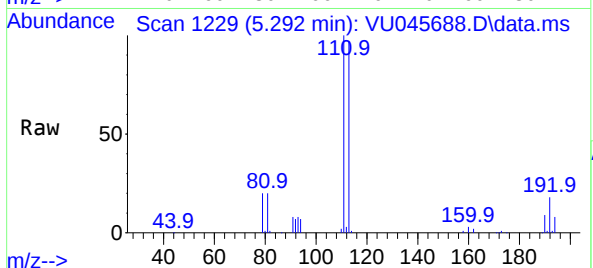
Tgt Ion:113 Resp: 78972

Ion Ratio Lower Upper

113 100

111 104.7 82.8 124.2

192 17.9 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.840 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU045688.D

Acq: 10 Nov 2021 15:22

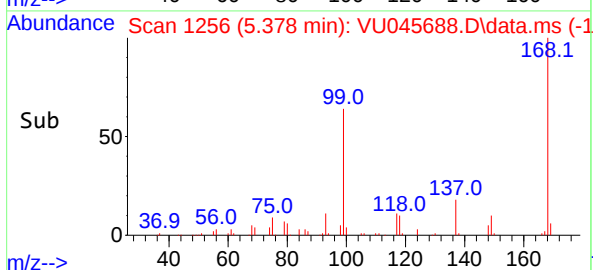
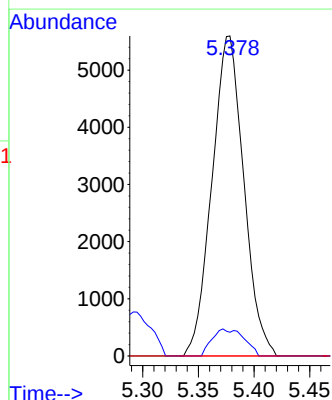
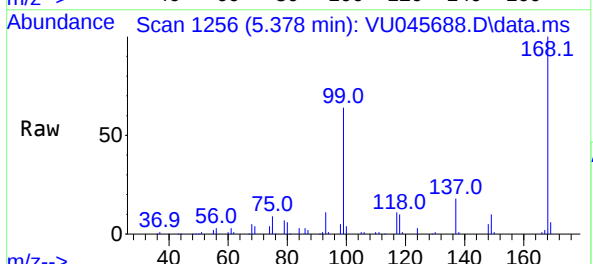
Tgt Ion: 75 Resp: 11118

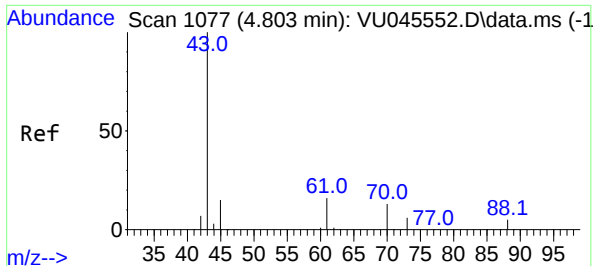
Ion Ratio Lower Upper

75 100

110 4.8 16.7 50.0#

77 0.0 25.0 37.4#

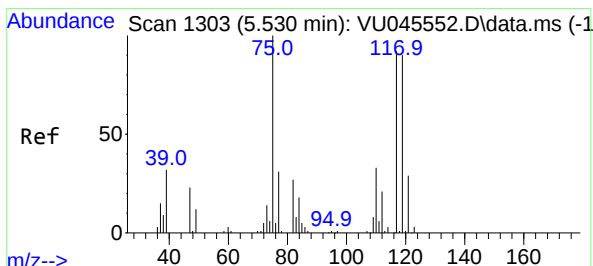
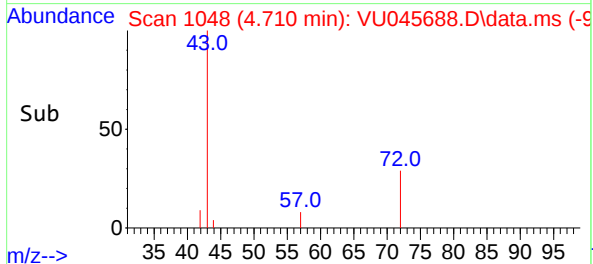
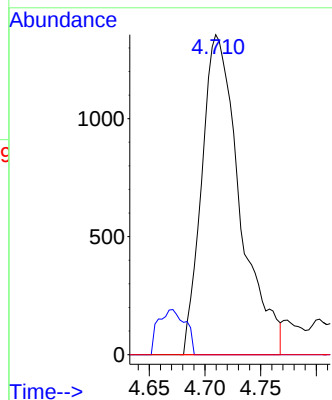
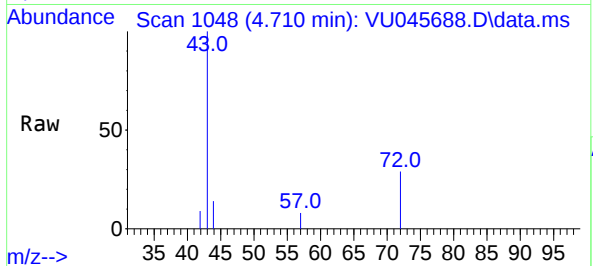




#37
Ethyl Acetate
Concen: 1.224 ug/l
RT: 4.710 min Scan# 1048
Delta R.T. -0.093 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

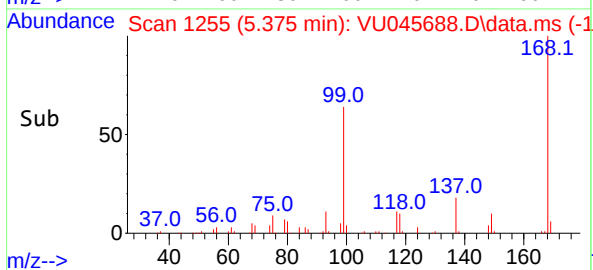
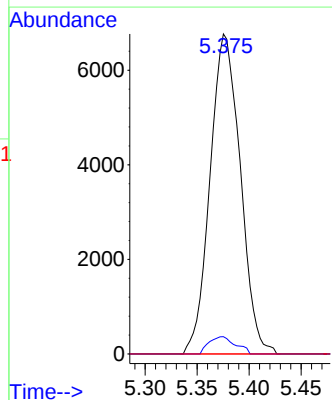
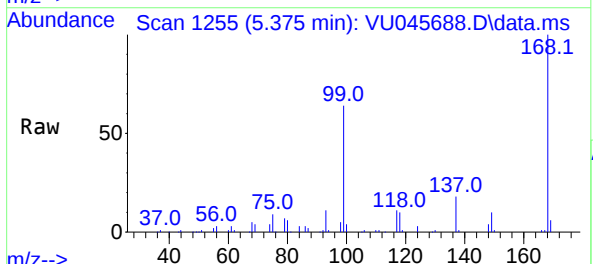
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

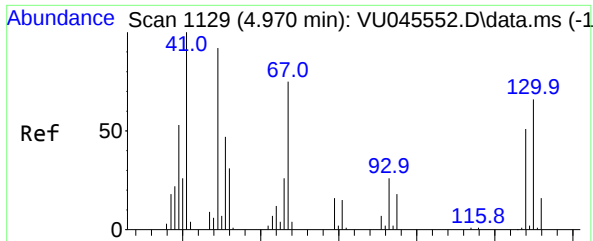
Tgt Ion: 43 Resp: 3230
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 5.919 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

Tgt Ion: 117 Resp: 13707
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.0#
121 0.0 24.8 37.2#



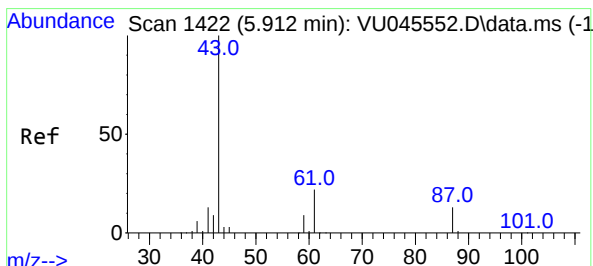
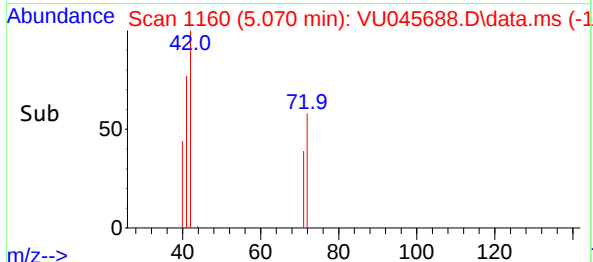
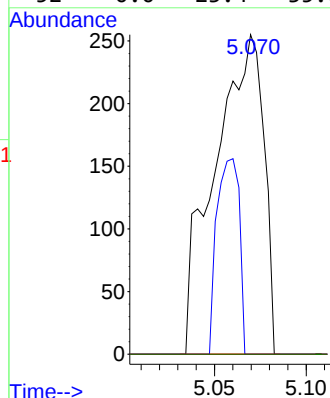
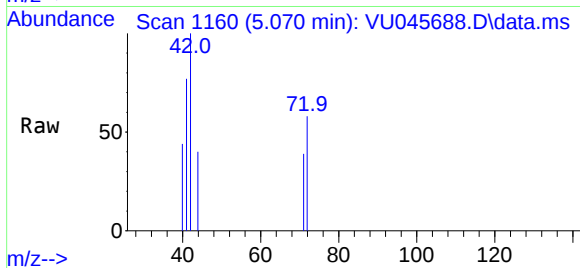


#41
Methacrylonitrile
Concen: 0.339 ug/l
RT: 5.070 min Scan# 1129
Delta R.T. 0.100 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

Tgt Ion: 41 Resp: 472

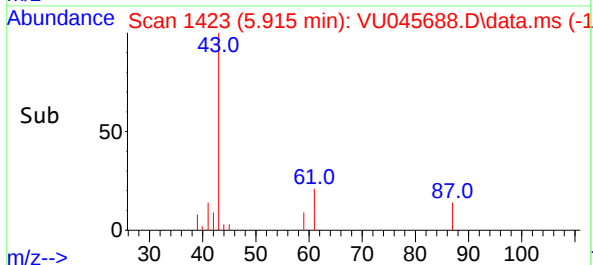
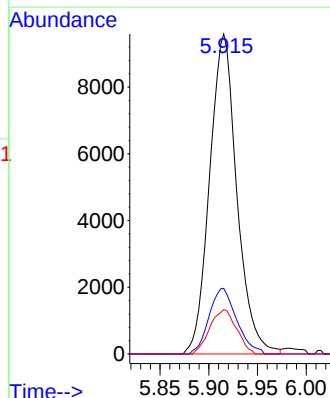
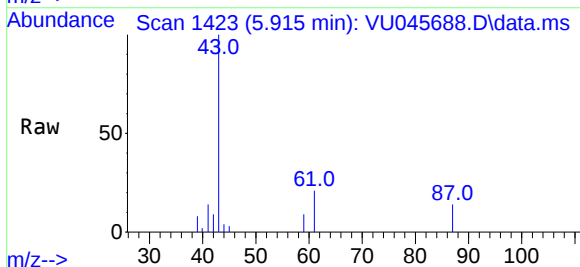
Ion	Ratio	Lower	Upper
41	100		
39	28.0	43.4	65.0#
67	0.0	61.0	91.4#
52	0.0	23.4	35.0#

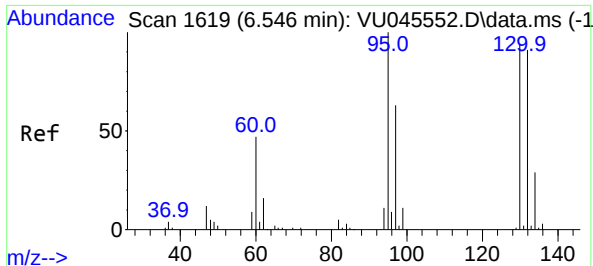


#43
Isopropyl Acetate
Concen: 4.621 ug/l
RT: 5.915 min Scan# 1423
Delta R.T. 0.003 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

Tgt Ion: 43 Resp: 18648

Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.9	25.3
87	13.6	11.0	16.4

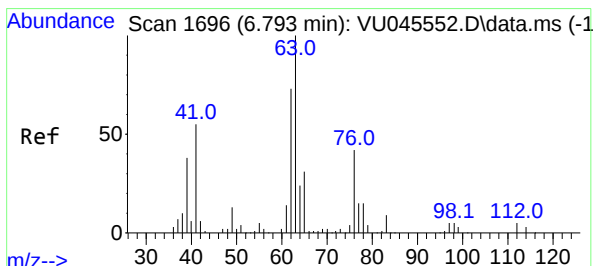
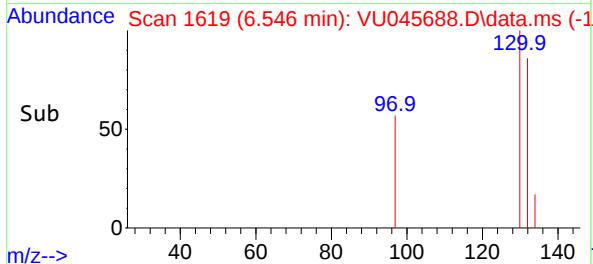
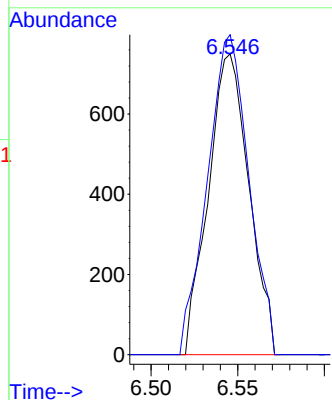
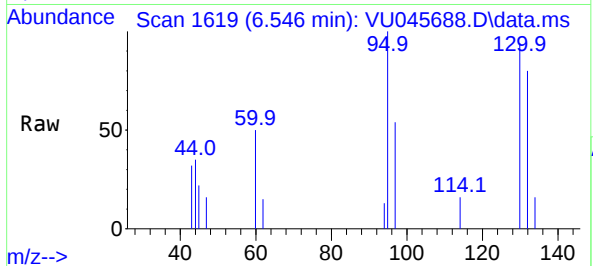




#44
Trichloroethene
Concen: 0.751 ug/l
RT: 6.546 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

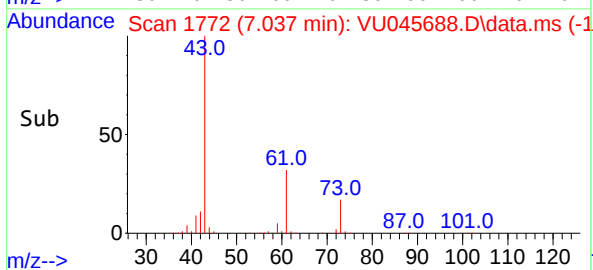
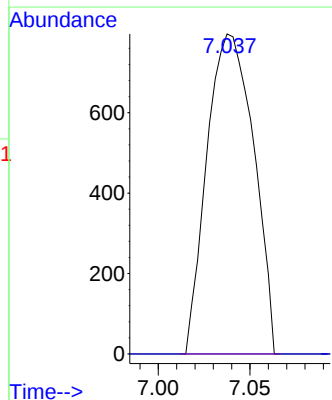
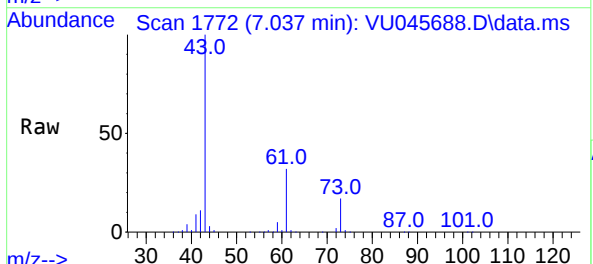
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

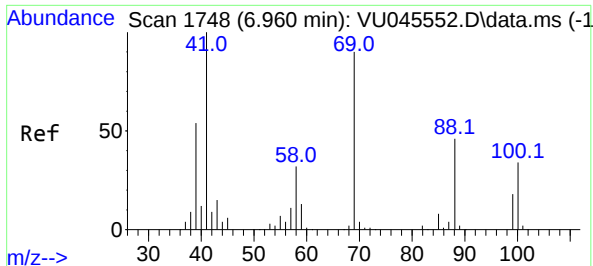
Tgt Ion:130 Resp: 1222
Ion Ratio Lower Upper
130 100
95 106.4 0.0 211.4



#45
1,2-Dichloropropane
Concen: 0.785 ug/l
RT: 7.037 min Scan# 1772
Delta R.T. 0.244 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

Tgt Ion: 63 Resp: 1413
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#





#48

Methyl methacrylate

Concen: 3.448 ug/l

RT: 6.893 min Scan# 1

Delta R.T. -0.068 min

Lab File: VU045688.D

Acq: 10 Nov 2021 15:22

Instrument :

MSVOA_U

ClientSampleId :

RO-COMP-1

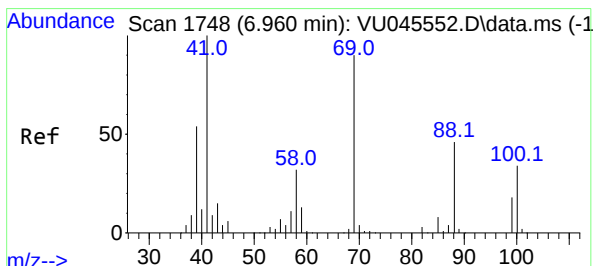
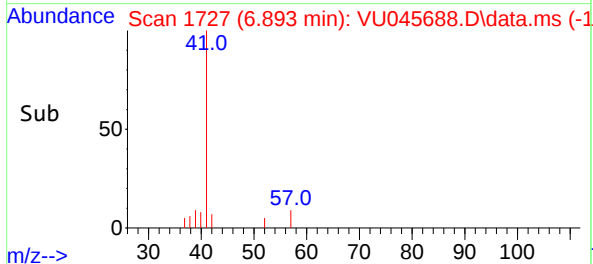
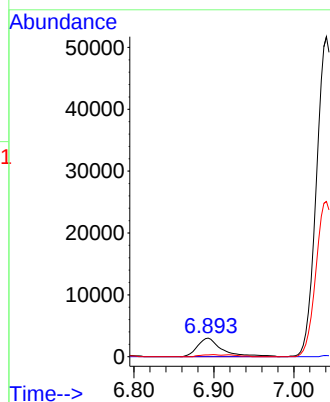
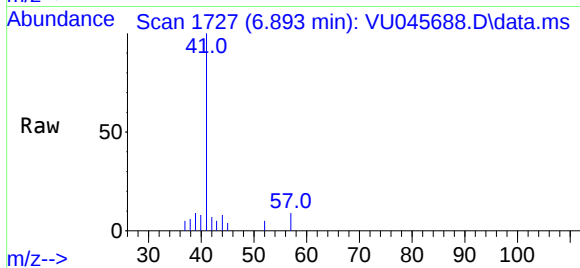
Tgt Ion: 41 Resp: 6404

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#



#49

1,4-Dioxane

Concen: 1.968 ug/l

RT: 7.044 min Scan# 1774

Delta R.T. 0.084 min

Lab File: VU045688.D

Acq: 10 Nov 2021 15:22

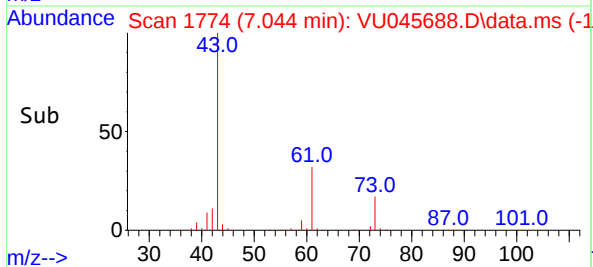
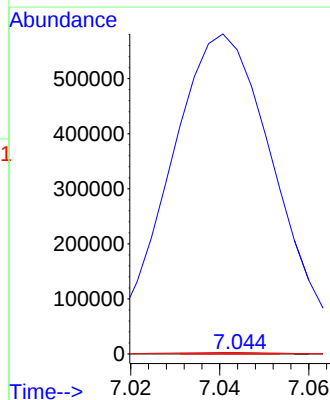
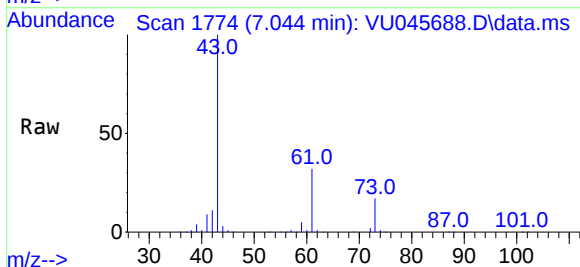
Tgt Ion: 88 Resp: 94

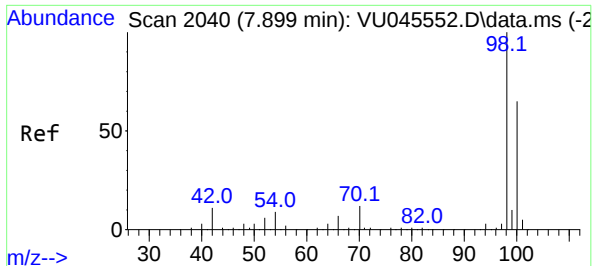
Ion Ratio Lower Upper

88 100

43 1077104.3 0.0 0.0#

58 5045.7 58.7 88.1#





#50

Toluene-d8

Concen: 53.512 ug/l

RT: 7.902 min Scan# 2040

Delta R.T. 0.003 min

Lab File: VU045688.D

Acq: 10 Nov 2021 15:22

Instrument :

MSVOA_U

ClientSampleId :

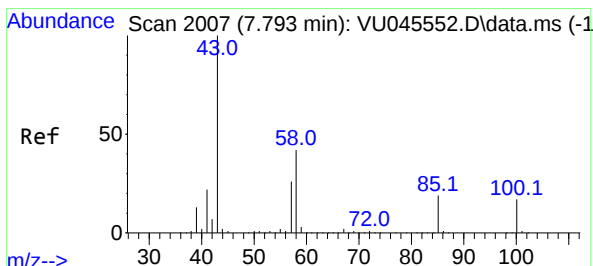
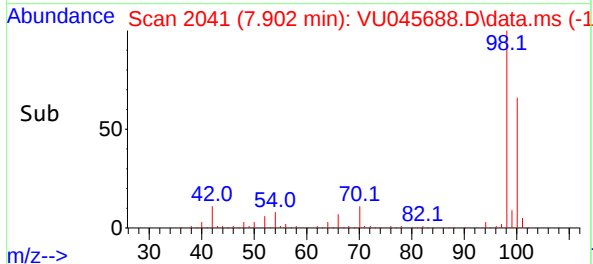
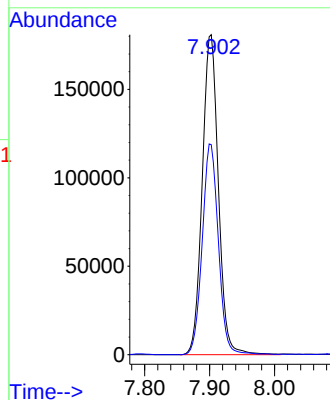
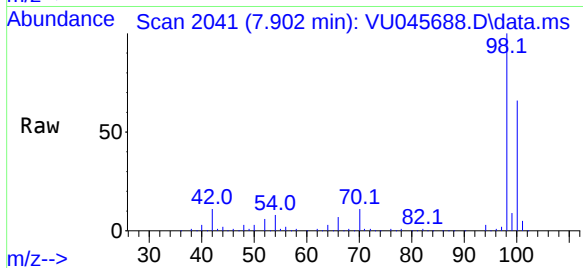
RO-COMP-1

Tgt Ion: 98 Resp: 312944

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 2.274 ug/l

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU045688.D

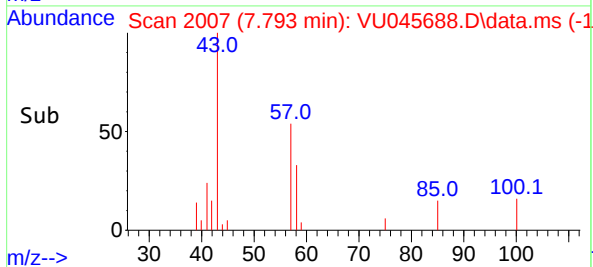
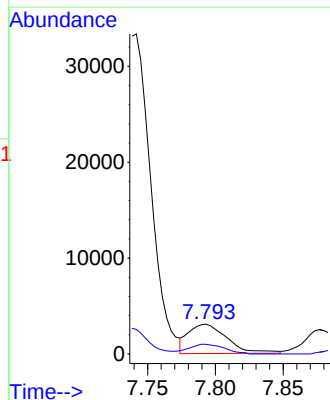
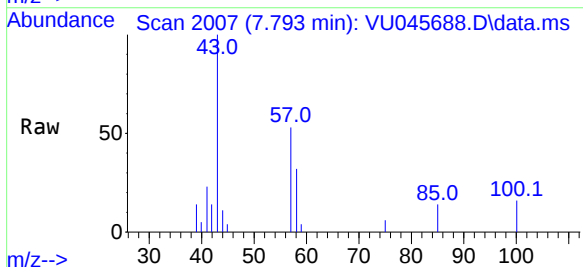
Acq: 10 Nov 2021 15:22

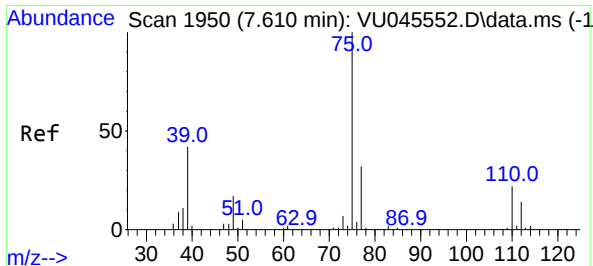
Tgt Ion: 43 Resp: 6055

Ion Ratio Lower Upper

43 100

58 30.3 33.8 50.8#

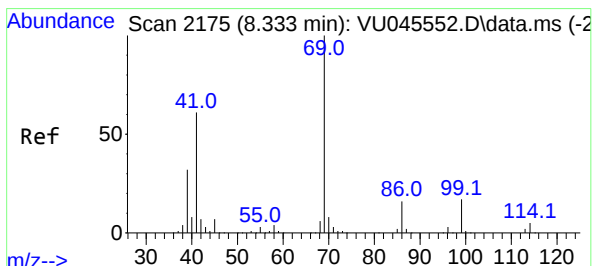
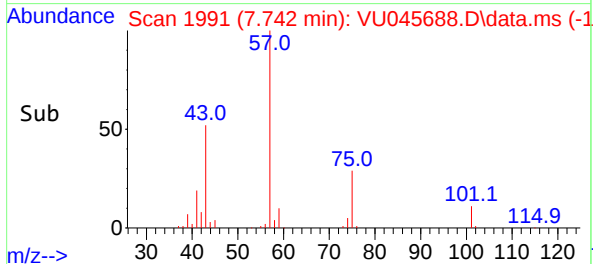
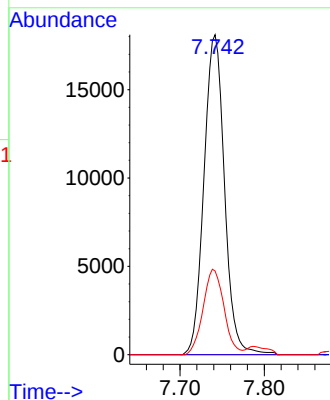
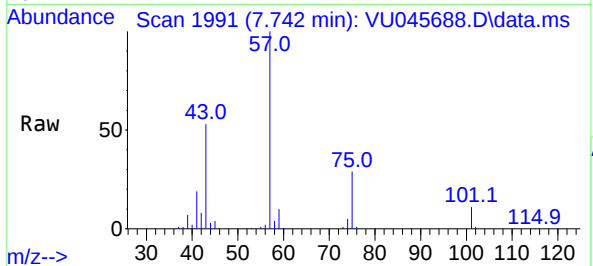




#54
cis-1,3-Dichloropropene
Concen: 10.633 ug/l
RT: 7.742 min Scan# 1950
Delta R.T. 0.132 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

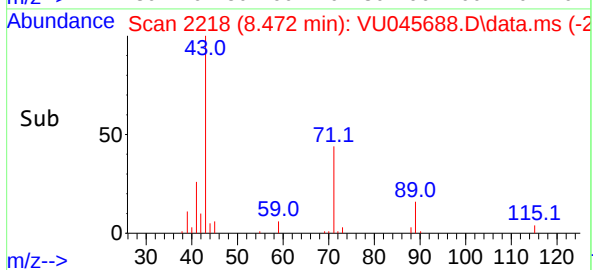
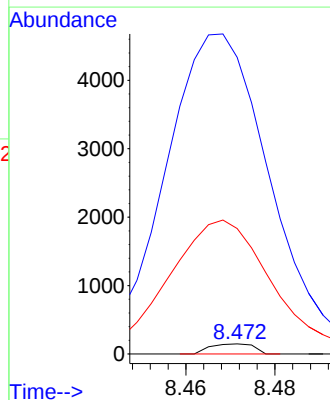
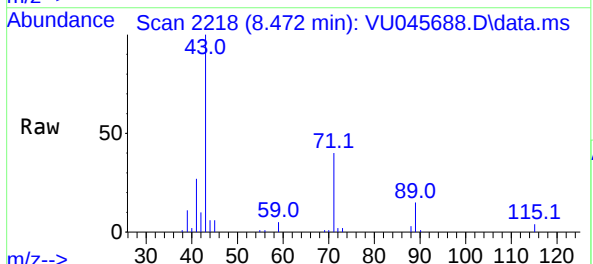
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

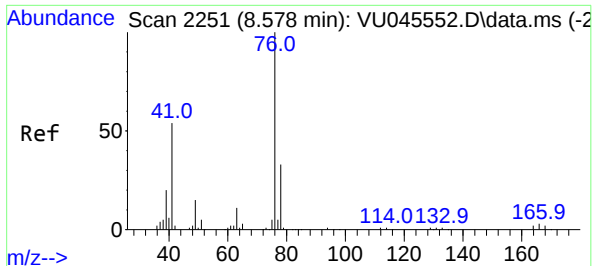
Tgt Ion: 75 Resp: 30704
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 26.1 37.1 55.7#



#56
Ethyl methacrylate
Concen: 2.455 ug/l
RT: 8.472 min Scan# 2218
Delta R.T. 0.139 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

Tgt Ion: 69 Resp: 101
Ion Ratio Lower Upper
69 100
41 7809.9 51.0 76.4#
39 3205.0 26.6 39.8#

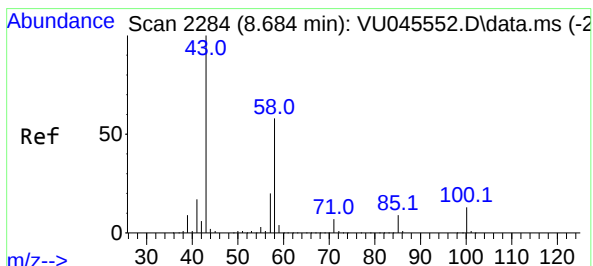
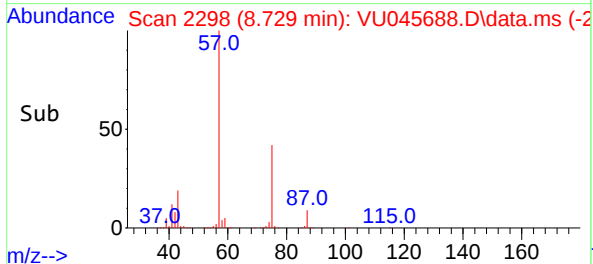
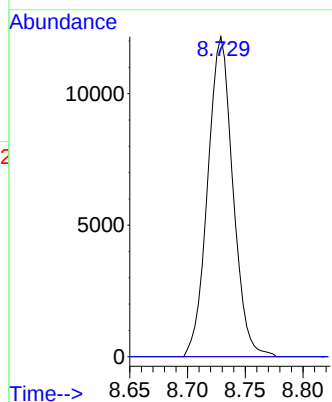
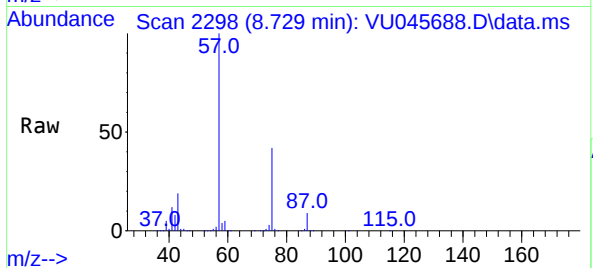




#57
1,3-Dichloropropane
Concen: 5.958 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

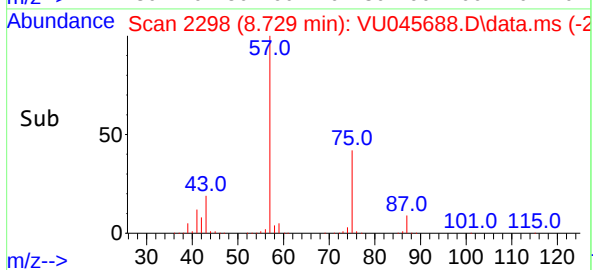
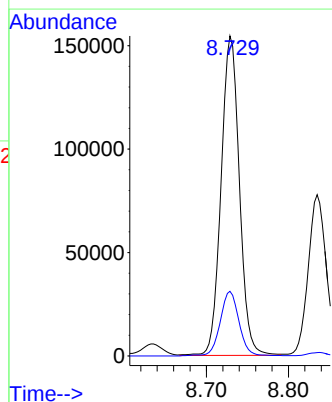
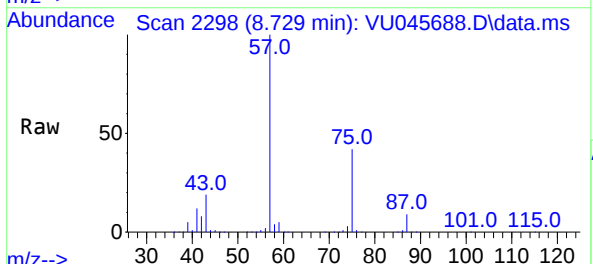
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

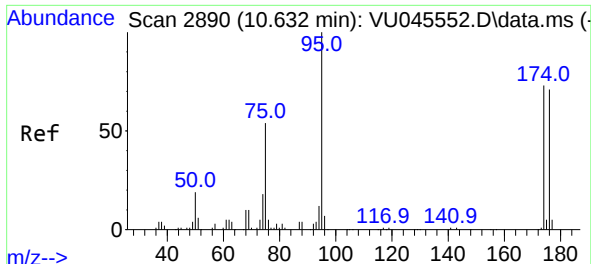
Tgt Ion: 76 Resp: 18516
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 108.037 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.045 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

Tgt Ion: 43 Resp: 240038
Ion Ratio Lower Upper
43 100
58 20.9 29.5 88.6#

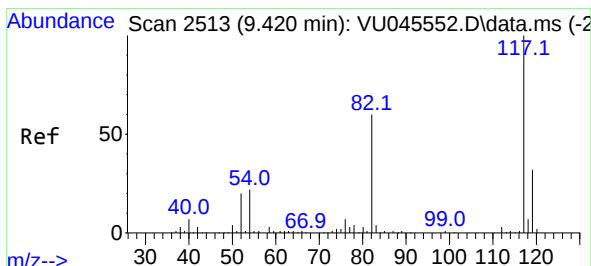
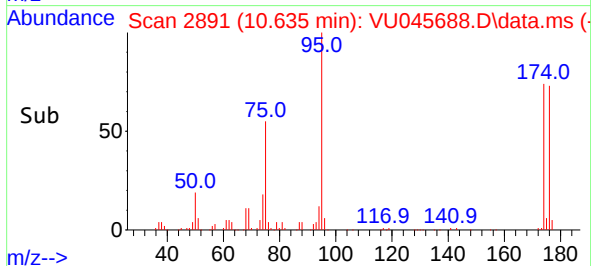
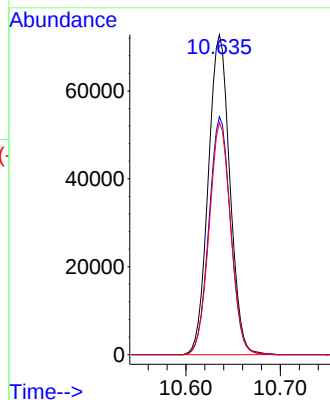
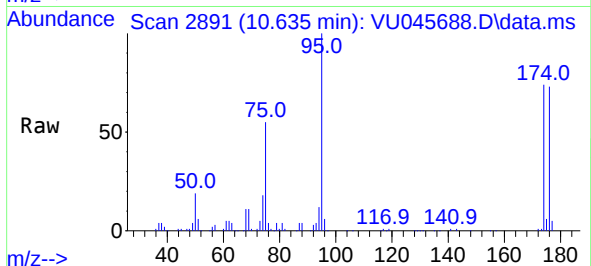




#62
4-Bromofluorobenzene
Concen: 49.241 ug/l
RT: 10.635 min Scan# 2890
Delta R.T. 0.003 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

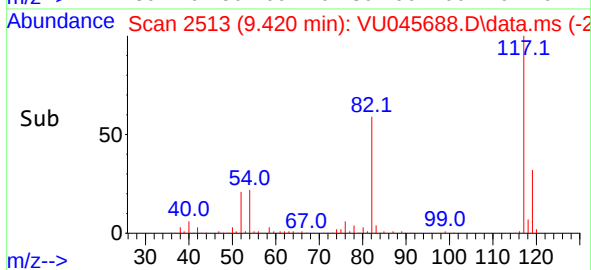
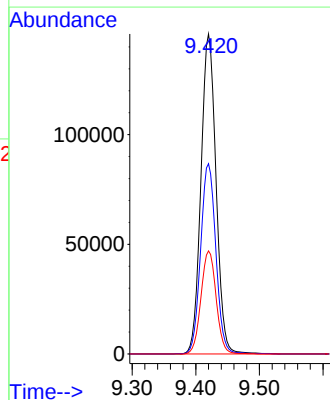
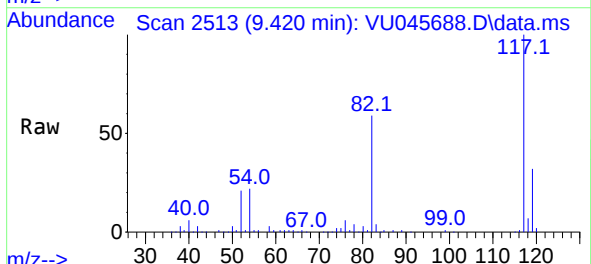
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

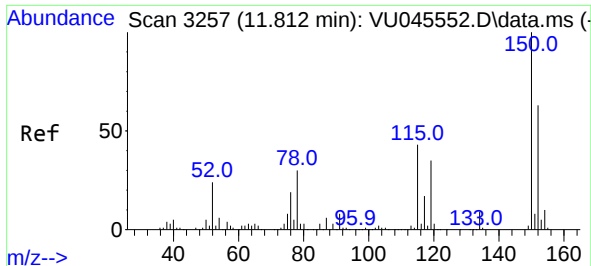
Tgt Ion: 95 Resp: 115473
Ion Ratio Lower Upper
95 100
174 74.5 0.0 141.8
176 72.5 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

Tgt Ion: 117 Resp: 240629
Ion Ratio Lower Upper
117 100
82 59.4 47.8 71.8
119 32.2 25.8 38.8

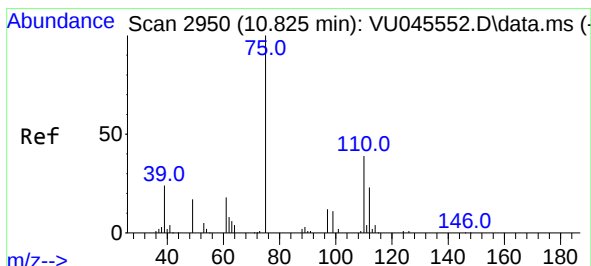
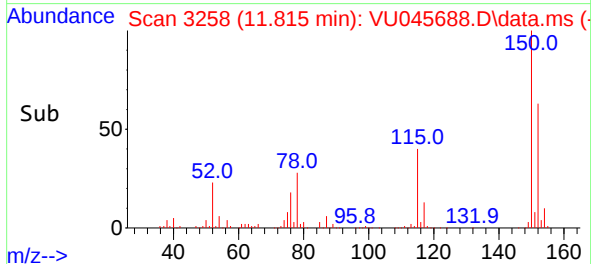
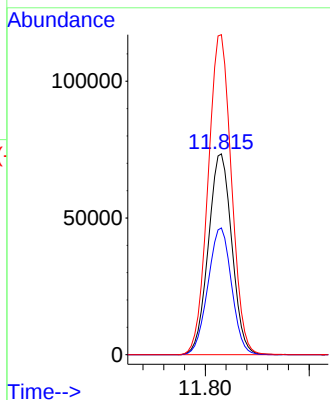
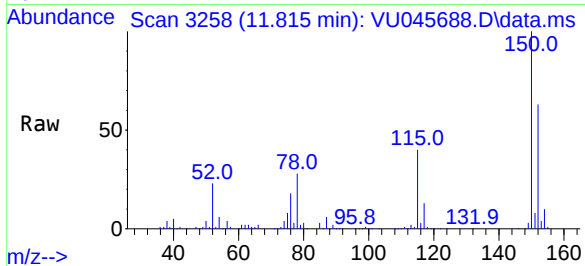




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

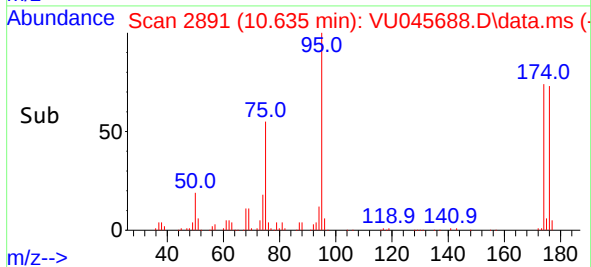
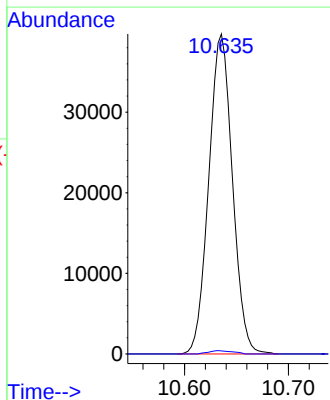
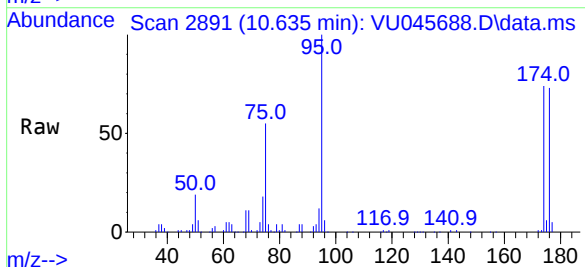
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

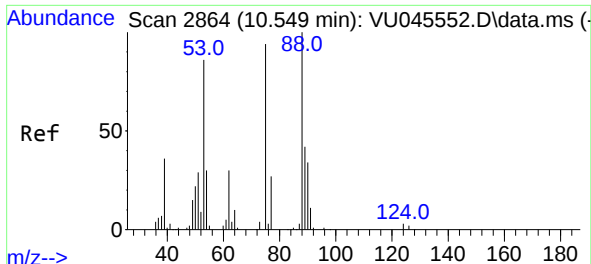
Tgt Ion:152 Resp: 115277
Ion Ratio Lower Upper
152 100
115 63.4 42.7 128.1
150 158.5 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 17.938 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.190 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

Tgt Ion: 75 Resp: 62708
Ion Ratio Lower Upper
75 100
77 1.1 17.1 51.3#

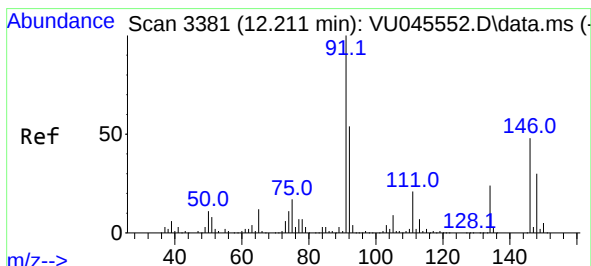
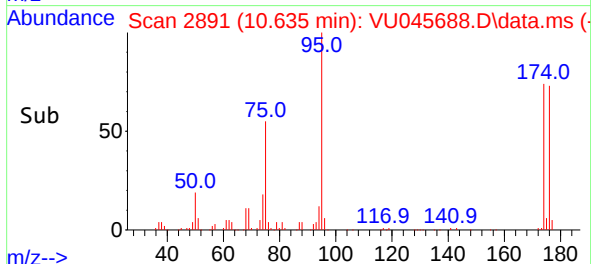
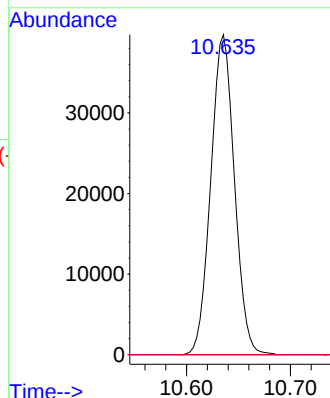
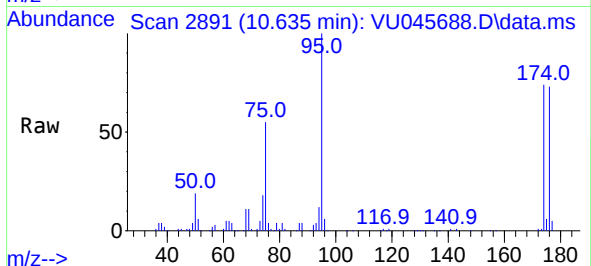




#81
trans-1,4-Dichloro-2-butene
Concen: 58.238 ug/l
RT: 10.635 min Scan# 21
Delta R.T. 0.086 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

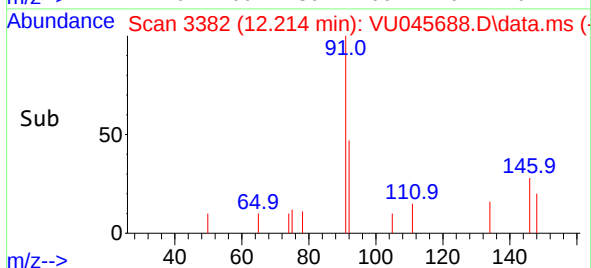
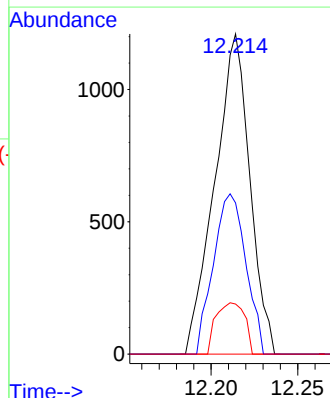
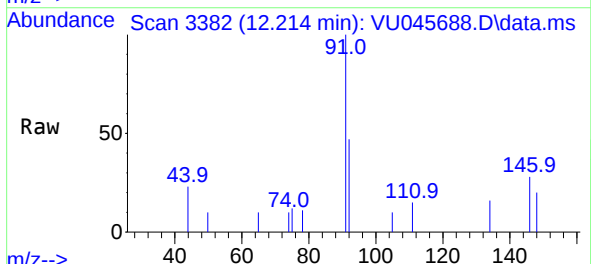
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

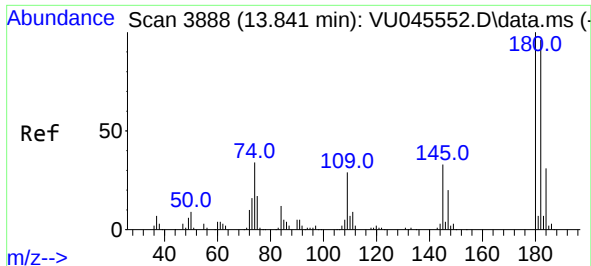
Tgt Ion: 75 Resp: 62708
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#89
n-Butylbenzene
Concen: 0.254 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

Tgt Ion: 91 Resp: 1701
Ion Ratio Lower Upper
91 100
92 46.3 27.1 81.2
134 13.1 11.8 35.4

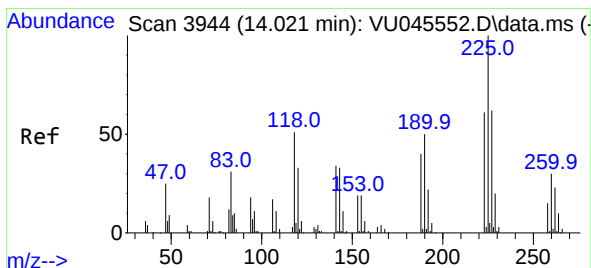
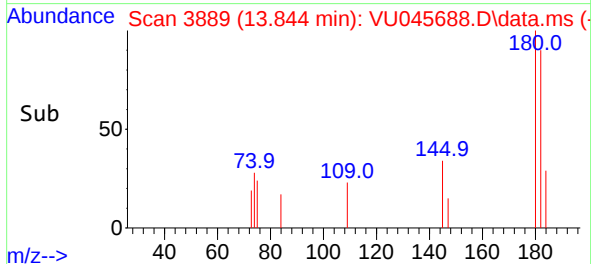
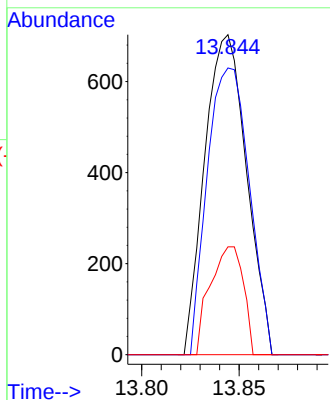
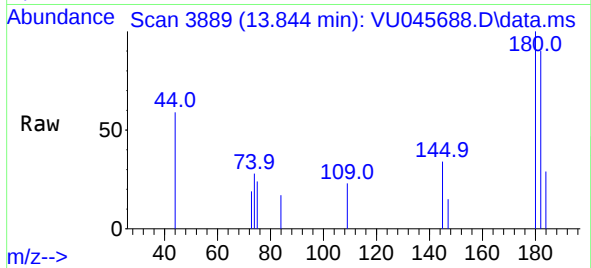




#93
1,2,4-Trichlorobenzene
Concen: 0.424 ug/l
RT: 13.844 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

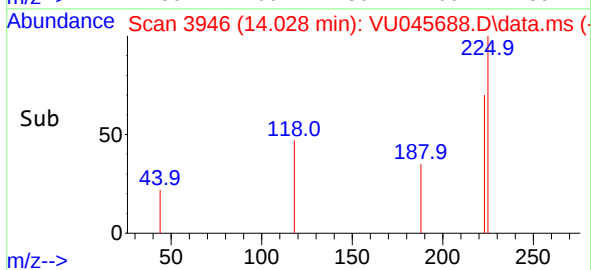
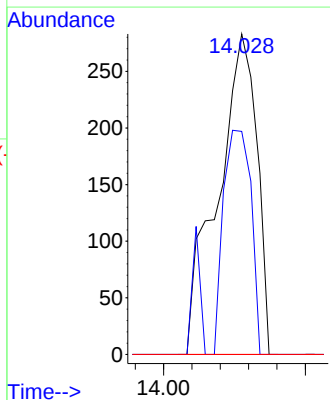
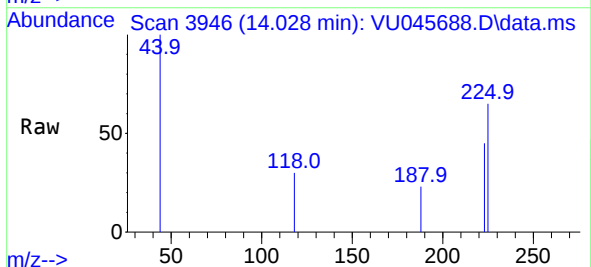
Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

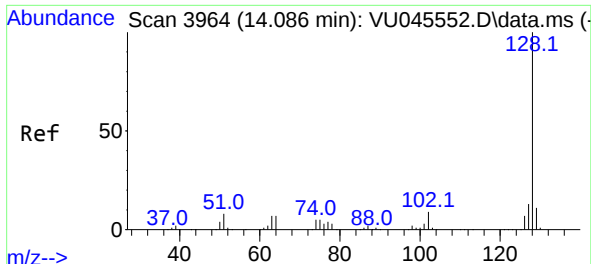
Tgt Ion:180 Resp: 1052
Ion Ratio Lower Upper
180 100
182 89.8 47.0 141.2
145 26.5 15.6 46.7



#94
Hexachlorobutadiene
Concen: 0.254 ug/l
RT: 14.028 min Scan# 3946
Delta R.T. 0.006 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

Tgt Ion:225 Resp: 272
Ion Ratio Lower Upper
225 100
223 49.3 32.0 96.2
227 0.0 31.1 93.5#

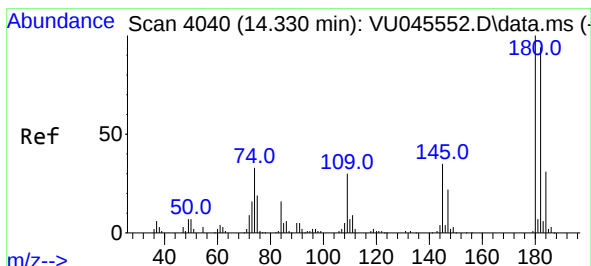
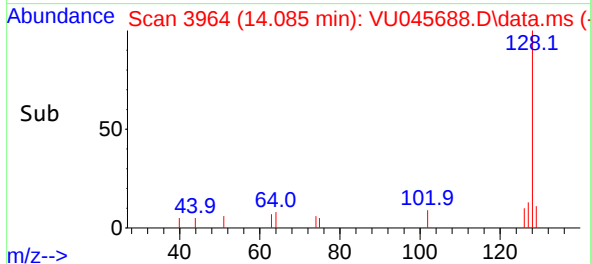
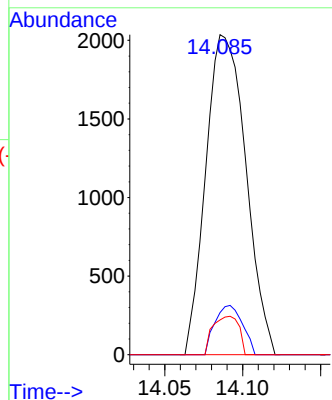
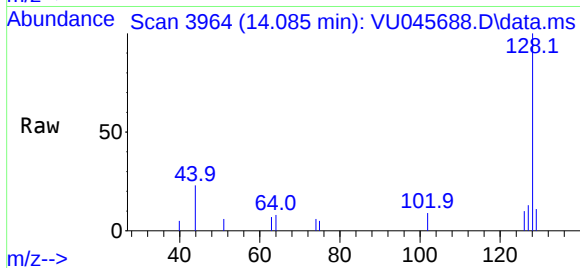




#95
Naphthalene
Concen: 1.410 ug/l
RT: 14.085 min Scan# 3964
Delta R.T. -0.001 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

Instrument :
MSVOA_U
ClientSampleId :
RO-COMP-1

Tgt Ion:128 Resp: 3629
Ion Ratio Lower Upper
128 100
127 10.7 10.6 15.8
129 7.8 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.381 ug/l
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU045688.D
Acq: 10 Nov 2021 15:22

Tgt Ion:180 Resp: 939
Ion Ratio Lower Upper
180 100
182 112.2 47.7 143.1
145 34.1 16.7 50.0

