

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110821\
 Data File : VU045616.D
 Acq On : 08 Nov 2021 15:32
 Operator : SY/MD
 Sample : M4571-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 09 09:57:58 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)

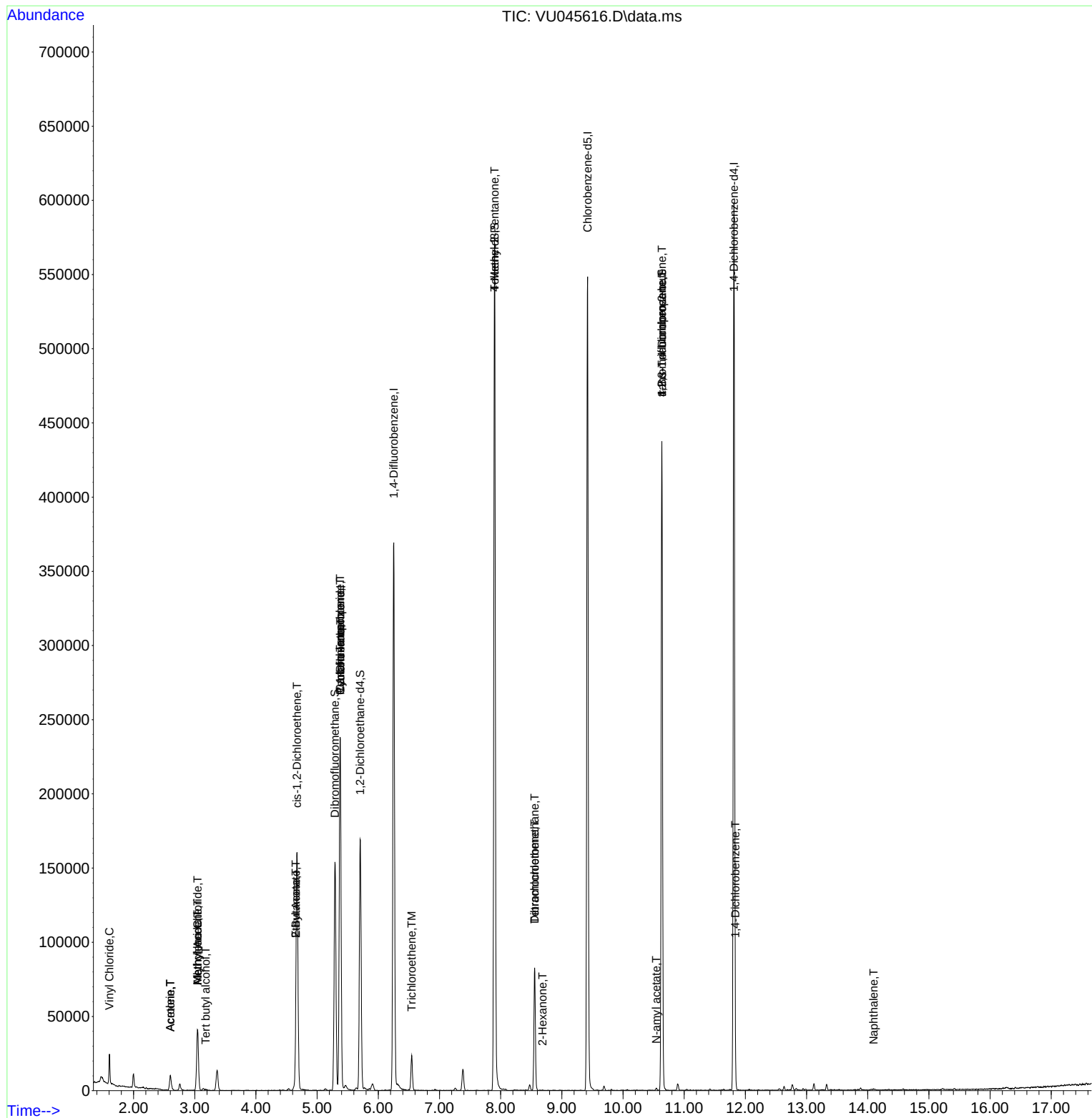
Internal Standards						
1) Pentafluorobenzene	5.378	168	158203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	294508	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	297227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	148042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	125600	53.012	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.020%	
35) Dibromofluoromethane	5.292	113	99442	50.574	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.140%	
50) Toluene-d8	7.899	98	386363	52.843	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.680%	
62) 4-Bromofluorobenzene	10.635	95	148970	50.810	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.620%	
Target Compounds						Qvalue
4) Vinyl Chloride	1.607	62	11171	4.886	ug/l	99
11) Tert butyl alcohol	3.179	59	570	1.215	ug/l #	72
13) Acrolein	2.597	56	1345	19.792	ug/l #	74
14) Allyl chloride	3.044	41	11180	3.597	ug/l #	62
16) Acetone	2.604	43	4974	4.124	ug/l #	52
18) Methyl Acetate	3.044	43	28318	6.894	ug/l #	50
20) Methylene Chloride	3.044	84	657	0.314	ug/l #	12
25) 2-Butanone	4.652	43	1273	0.761	ug/l #	85
27) cis-1,2-Dichloroethene	4.671	96	82904	38.981	ug/l	89
31) Cyclohexane	5.378	56	4389	1.270	ug/l #	8
36) 1,1-Dichloropropene	5.375	75	13896	4.839	ug/l #	50
37) Ethyl Acetate	4.652	43	1273	0.386	ug/l #	1
38) Carbon Tetrachloride	5.375	117	16874	5.828	ug/l #	15
44) Trichloroethene	6.546	130	7822	3.844	ug/l	85
51) 4-Methyl-2-Pentanone	7.899	43	1599	0.480	ug/l #	1
59) 2-Hexanone	8.684	43	168	7.591	ug/l #	21
60) Dibromochloromethane	8.555	129	17612	7.840	ug/l #	11
64) Tetrachloroethene	8.555	164	18025	10.566	ug/l	97
74) N-amyl acetate	10.542	43	1145	0.262	ug/l #	40
76) 1,2,3-Trichloropropane	10.635	75	76389	17.015	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.635	75	76389	55.397	ug/l #	12
88) 1,4-Dichlorobenzene	11.835	146	1623	0.339	ug/l #	59
95) Naphthalene	14.095	128	932	1.105	ug/l #	69

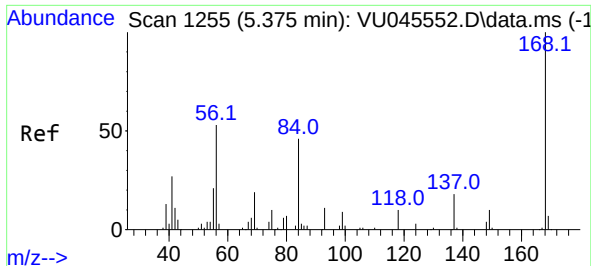
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

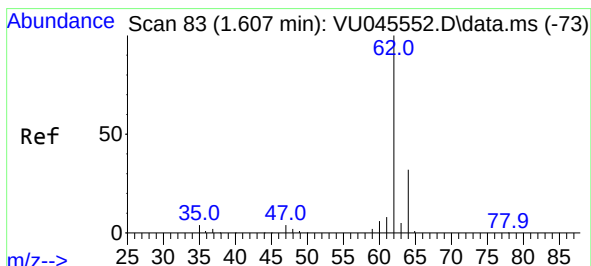
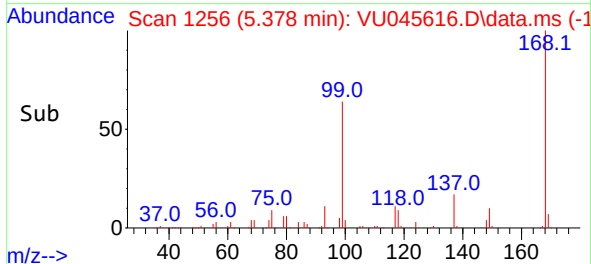
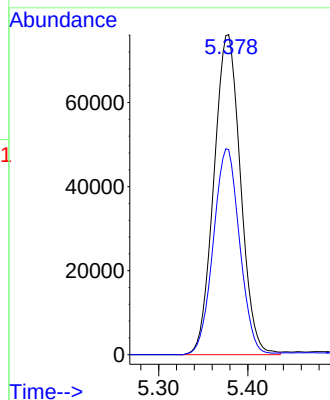
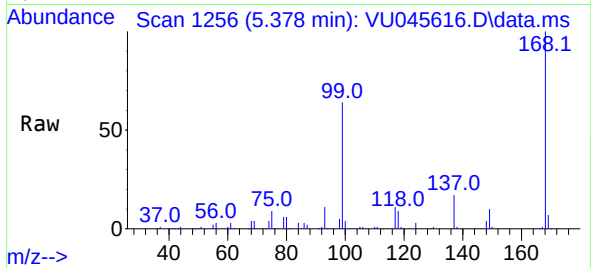




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

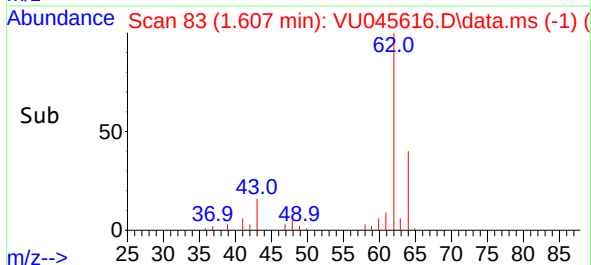
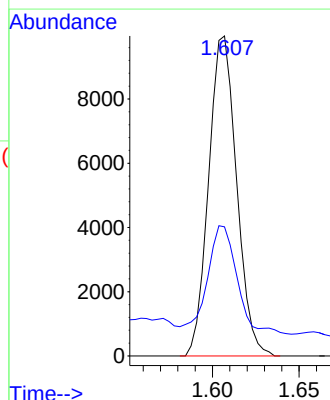
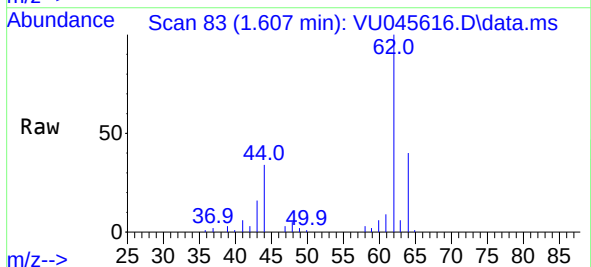
Instrument :
MSVOA_U
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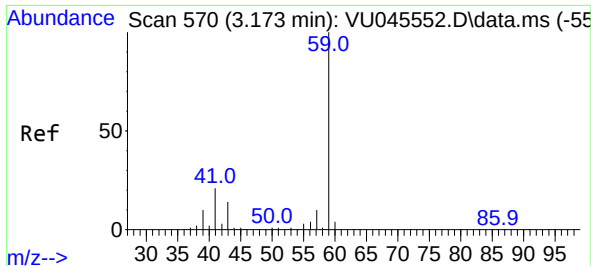
Tgt Ion:168 Resp: 158203
Ion Ratio Lower Upper
168 100
99 64.0 51.0 76.6



#4
Vinyl Chloride
Concen: 4.886 ug/l
RT: 1.607 min Scan# 83
Delta R.T. -0.000 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

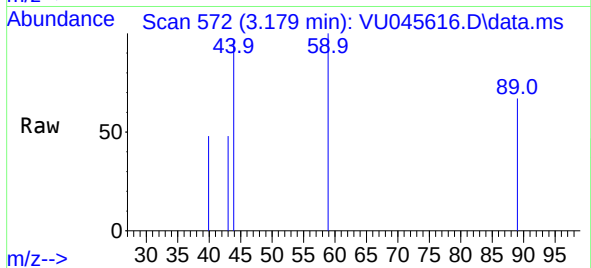
Tgt Ion: 62 Resp: 11171
Ion Ratio Lower Upper
62 100
64 33.0 25.8 38.6



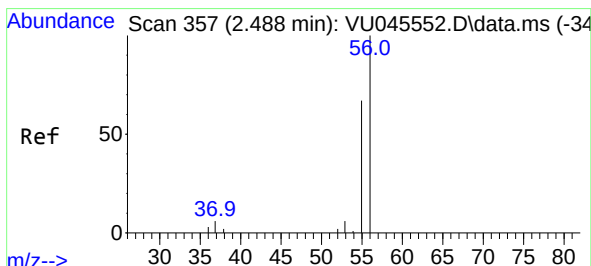
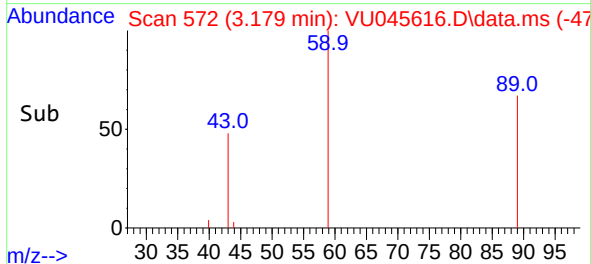
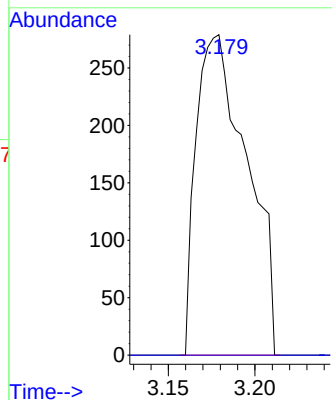


#11
Tert butyl alcohol
Concen: 1.215 ug/l
RT: 3.179 min Scan# 51
Delta R.T. 0.006 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

Instrument :
MSVOA_U
ClientSampleId :

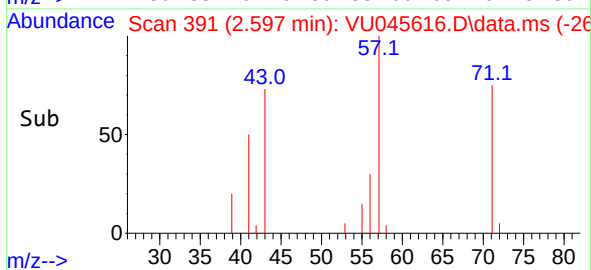
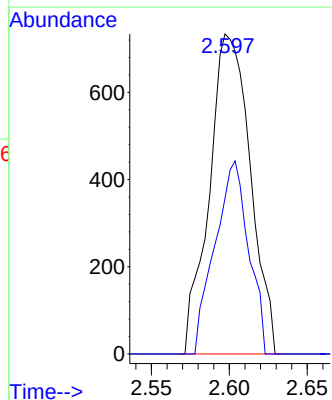
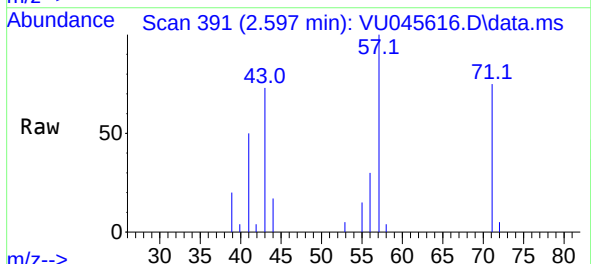


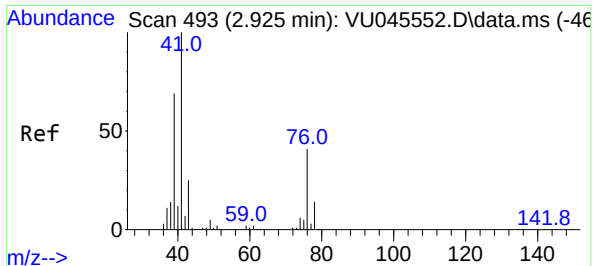
Tgt Ion: 59 Resp: 570
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 19.792 ug/l
RT: 2.597 min Scan# 391
Delta R.T. 0.109 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

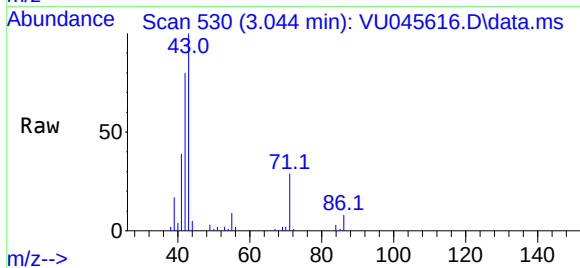
Tgt Ion: 56 Resp: 1345
Ion Ratio Lower Upper
56 100
55 49.4 56.3 84.5#



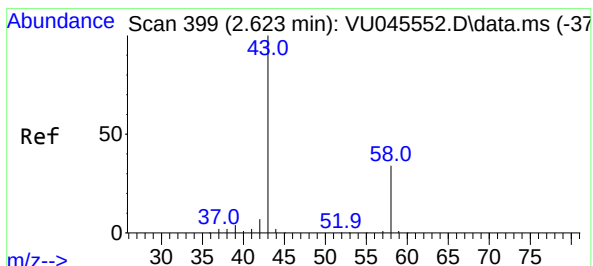
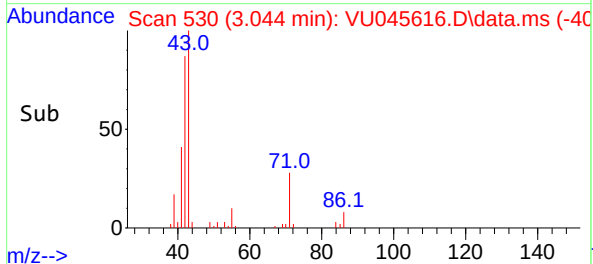
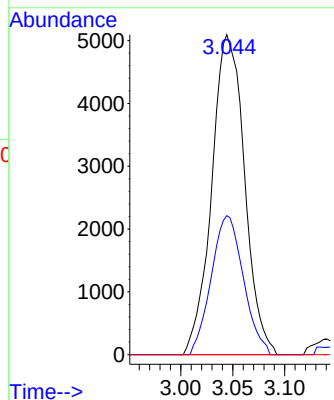


#14
Allyl chloride
Concen: 3.597 ug/l
RT: 3.044 min Scan# 51
Delta R.T. 0.119 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

Instrument :
MSVOA_U
ClientSampleId :

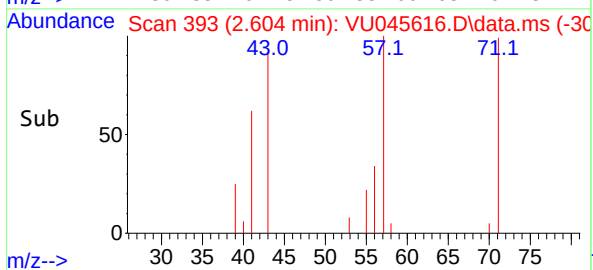
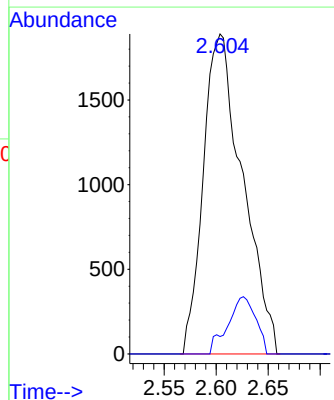
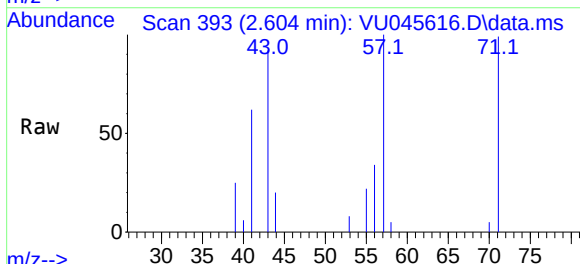


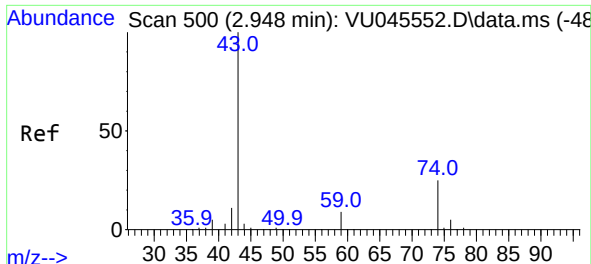
Tgt Ion: 41 Resp: 11180
Ion Ratio Lower Upper
41 100
39 42.6 49.7 74.5#
76 0.0 27.7 41.5#



#16
Acetone
Concen: 4.124 ug/l
RT: 2.604 min Scan# 393
Delta R.T. -0.019 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

Tgt Ion: 43 Resp: 4974
Ion Ratio Lower Upper
43 100
58 5.4 26.2 39.2#

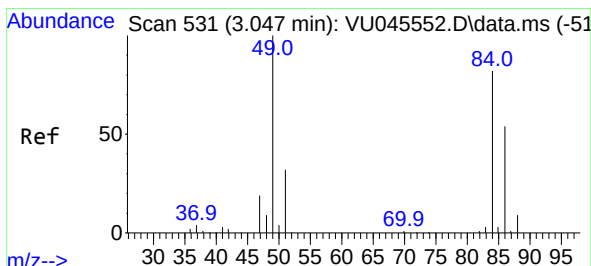
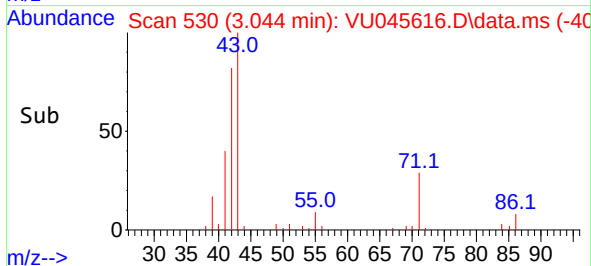
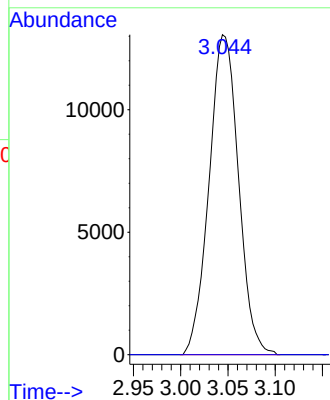
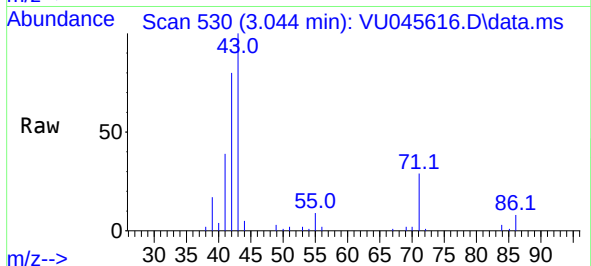




#18
Methyl Acetate
Concen: 6.894 ug/l
RT: 3.044 min Scan# 51
Delta R.T. 0.096 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

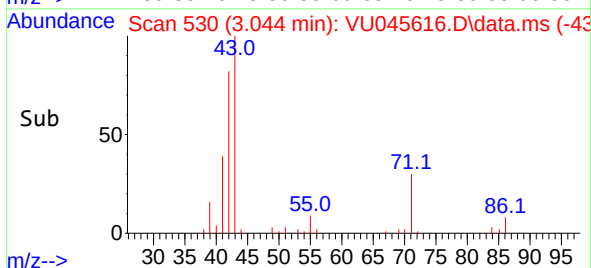
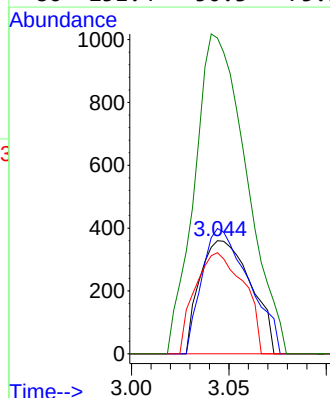
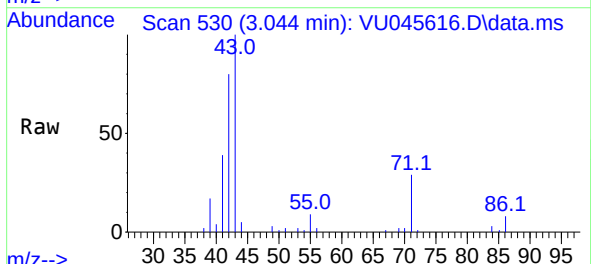
Instrument :
MSVOA_U
ClientSampleId :

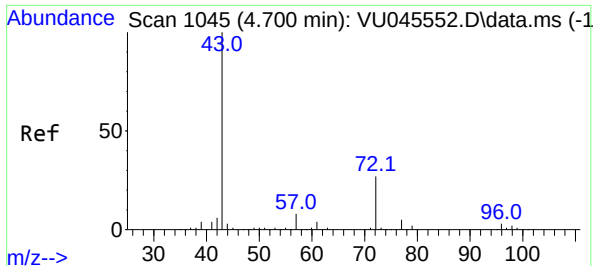
Tgt Ion: 43 Resp: 28318
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 0.314 ug/l
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

Tgt Ion: 84 Resp: 657
Ion Ratio Lower Upper
84 100
49 110.8 96.4 144.6
51 89.4 30.5 45.7#
86 251.4 50.3 75.5#

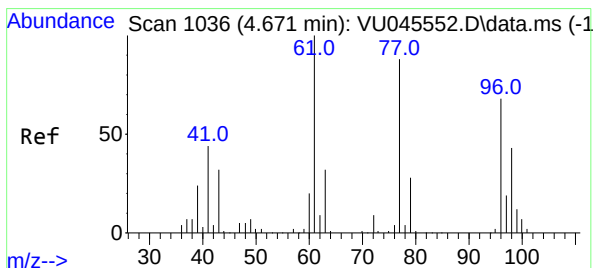
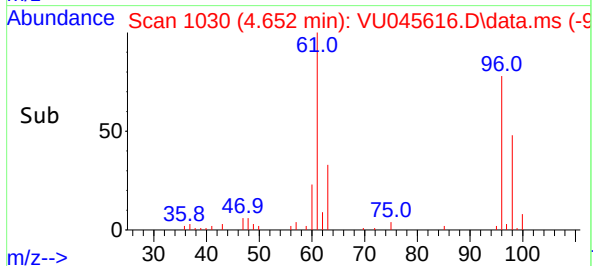
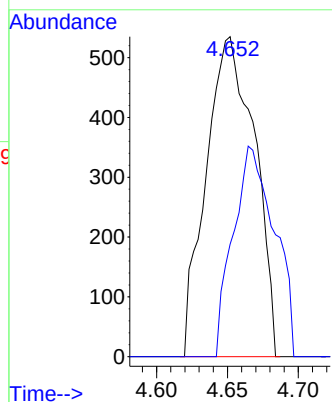
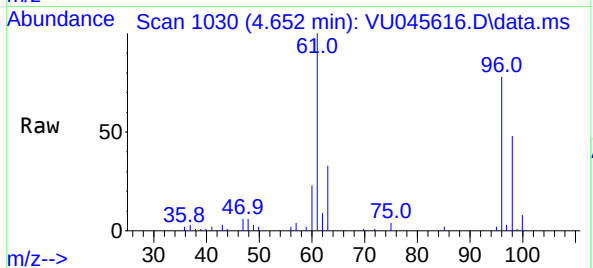




#25
2-Butanone
Concen: 0.761 ug/l
RT: 4.652 min Scan# 1030
Delta R.T. -0.048 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

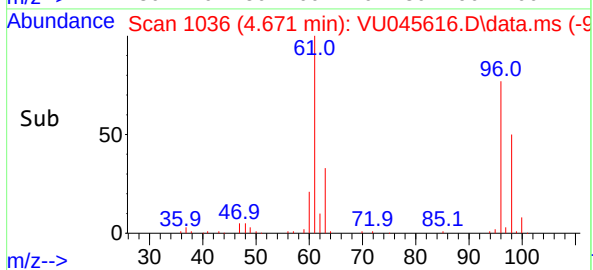
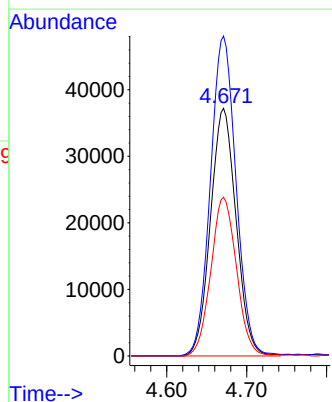
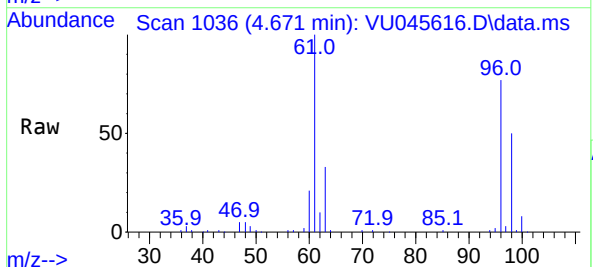
Instrument :
MSVOA_U
ClientSampleId :

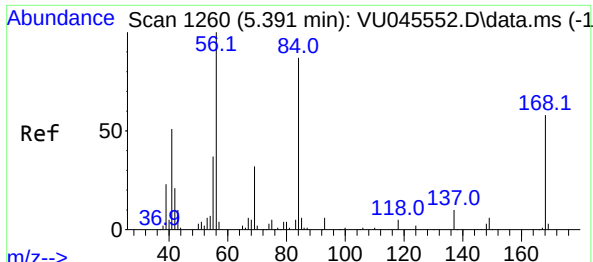
Tgt Ion: 43 Resp: 1273
Ion Ratio Lower Upper
43 100
72 35.1 22.0 33.0#



#27
cis-1,2-Dichloroethene
Concen: 38.981 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

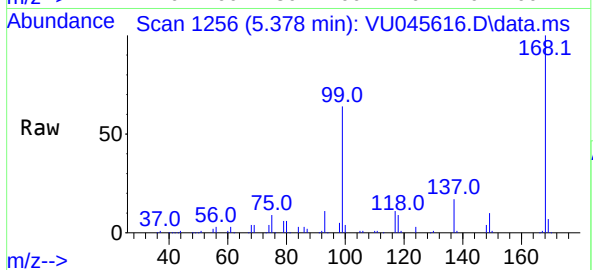
Tgt Ion: 96 Resp: 82904
Ion Ratio Lower Upper
96 100
61 129.1 0.0 299.2
98 63.9 0.0 127.6



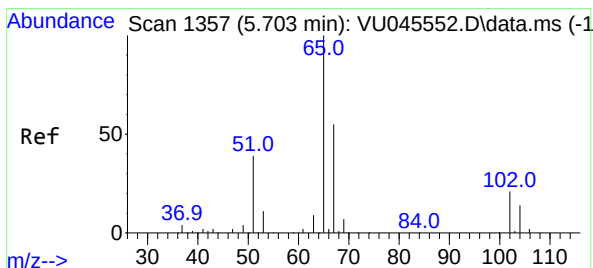
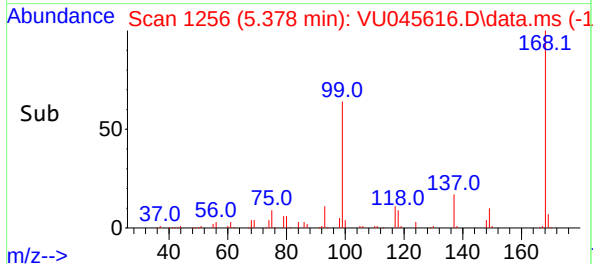
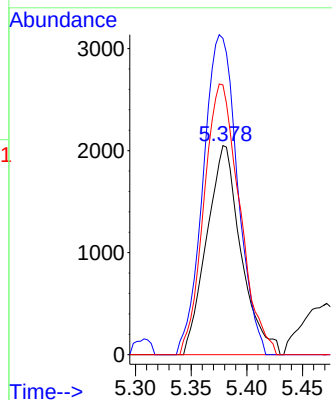


#31
Cyclohexane
Concen: 1.270 ug/l
RT: 5.378 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

Instrument :
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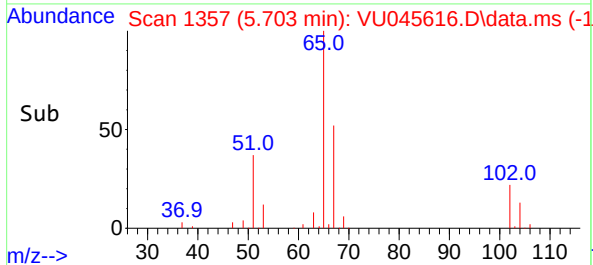
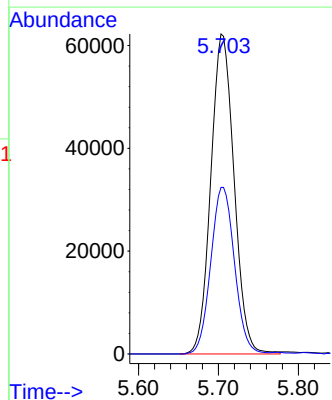
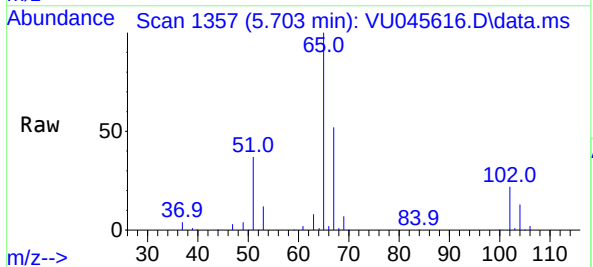


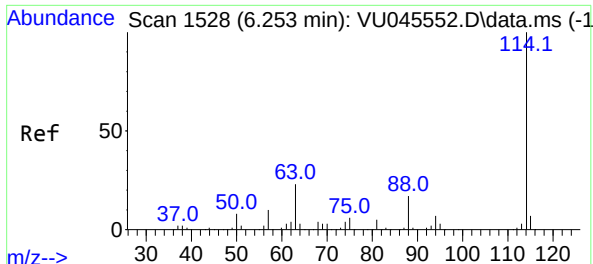
Tgt Ion: 56 Resp: 4389
Ion Ratio Lower Upper
56 100
69 151.2 26.4 39.6#
84 128.9 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 53.012 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.000 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

Tgt Ion: 65 Resp: 125600
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU045616.D

Acq: 08 Nov 2021 15:32

Instrument :

MSVOA_U

ClientSampleId :

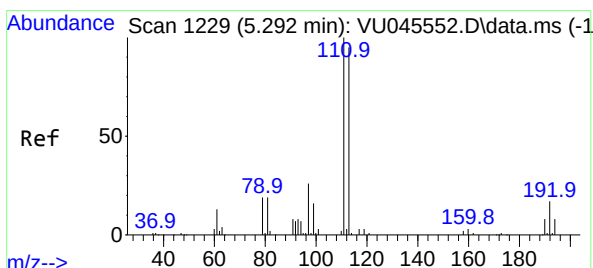
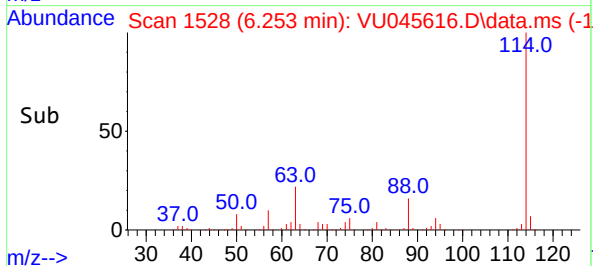
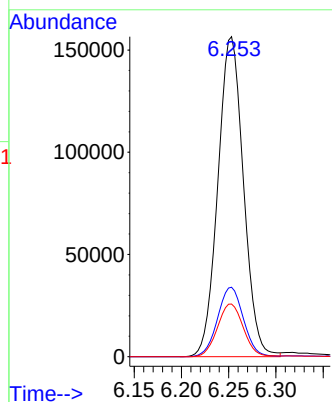
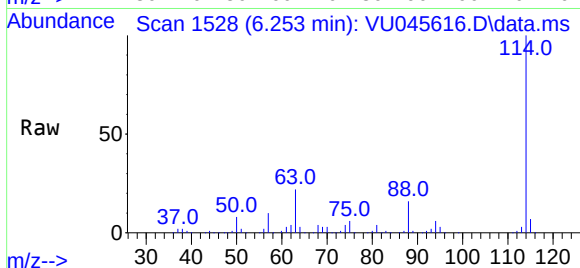
Tgt Ion:114 Resp: 294508

Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.6

88 16.5 0.0 33.8



#35

Dibromofluoromethane

Concen: 50.574 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045616.D

Acq: 08 Nov 2021 15:32

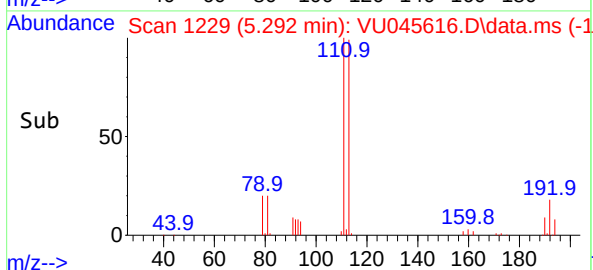
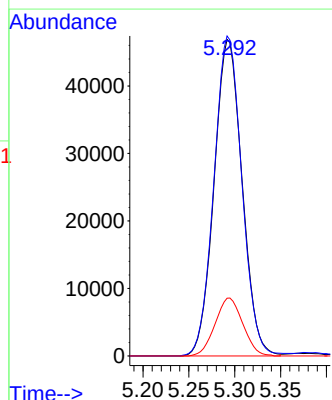
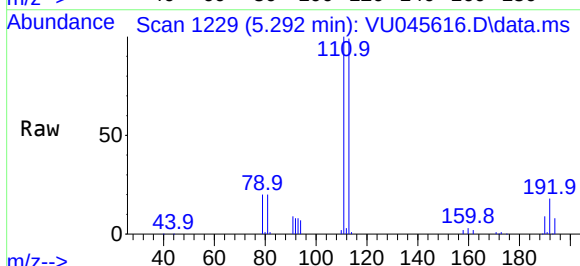
Tgt Ion:113 Resp: 99442

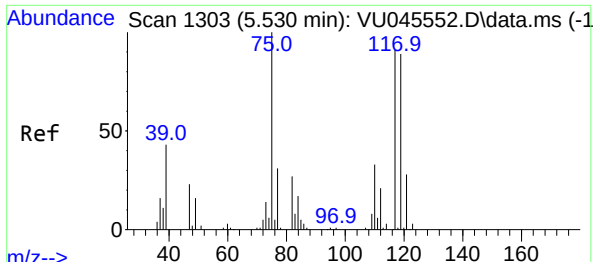
Ion Ratio Lower Upper

113 100

111 101.2 82.8 124.2

192 18.2 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.839 ug/l

RT: 5.375 min Scan# 1

Delta R.T. -0.154 min

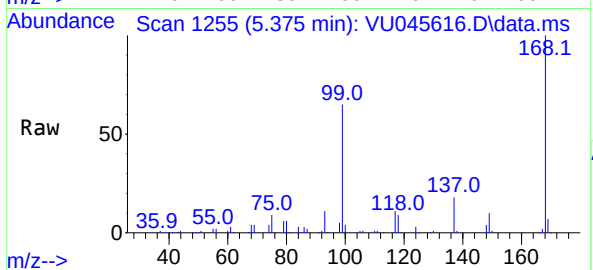
Lab File: VU045616.D

Acq: 08 Nov 2021 15:32

Instrument :

MSVOA_U

ClientSampleId :



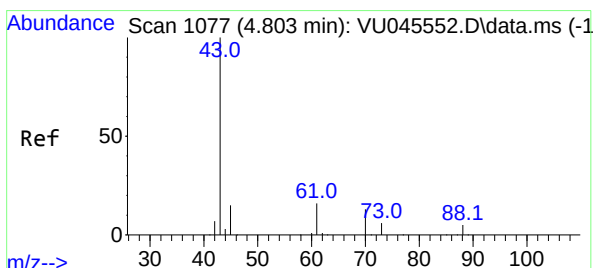
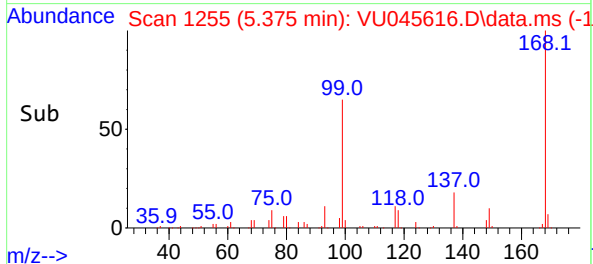
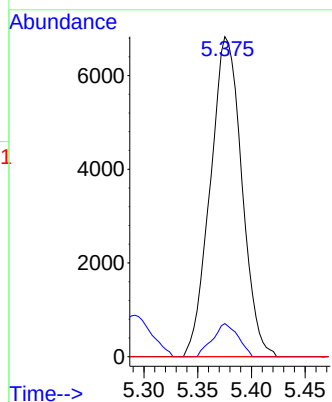
Tgt Ion: 75 Resp: 13896

Ion Ratio Lower Upper

75 100

110 8.3 16.7 50.0#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.386 ug/l

RT: 4.652 min Scan# 1030

Delta R.T. -0.151 min

Lab File: VU045616.D

Acq: 08 Nov 2021 15:32

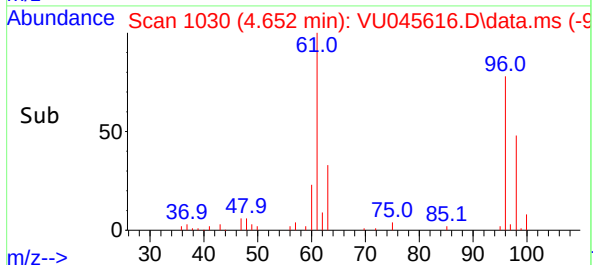
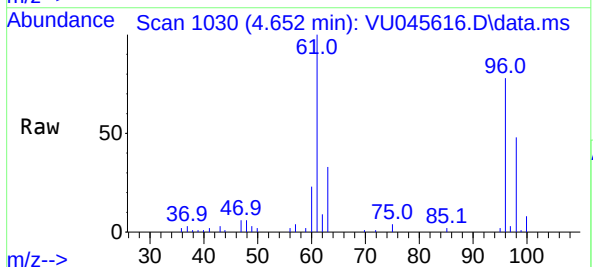
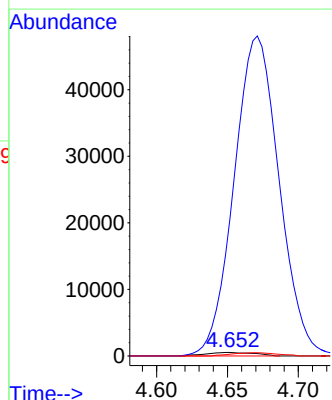
Tgt Ion: 43 Resp: 1273

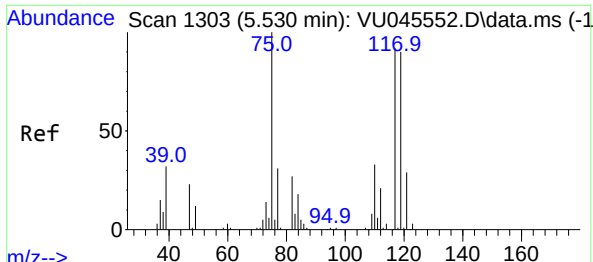
Ion Ratio Lower Upper

43 100

61 8406.0 11.6 17.4#

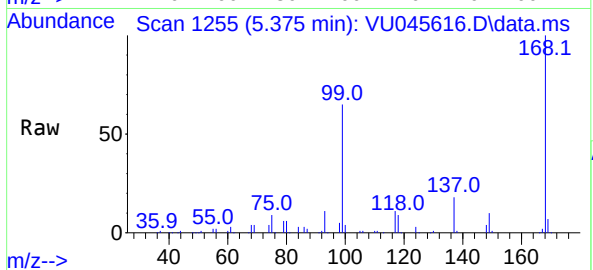
70 83.3 9.1 13.7#



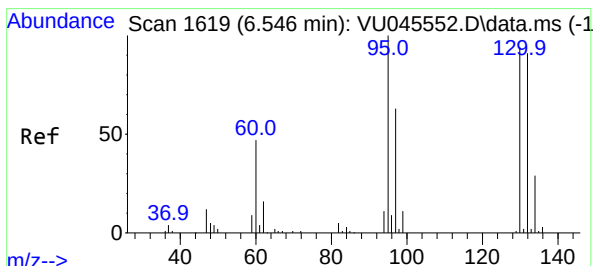
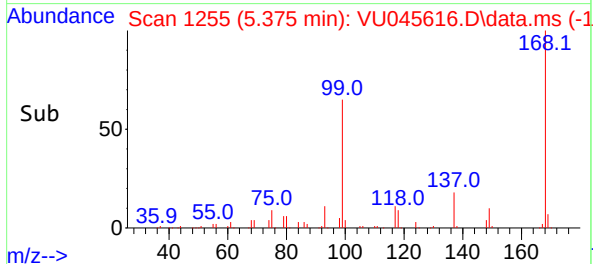
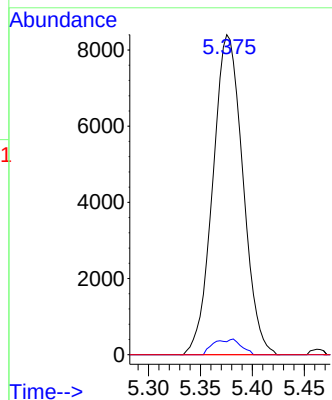


#38
Carbon Tetrachloride
Concen: 5.828 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

Instrument :
MSVOA_U
ClientSampleId :

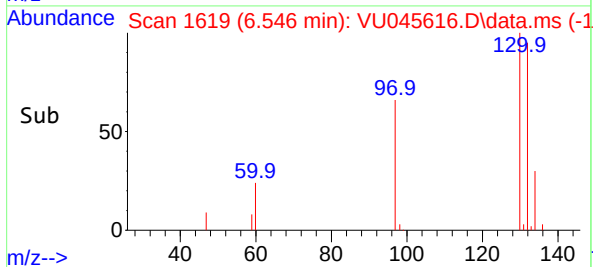
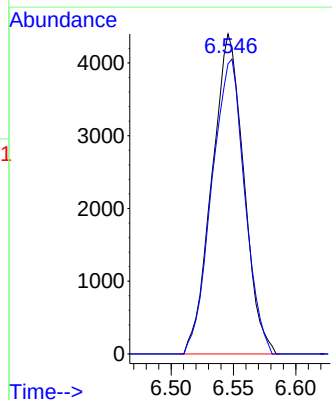
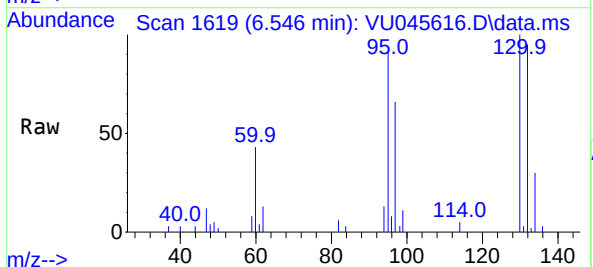


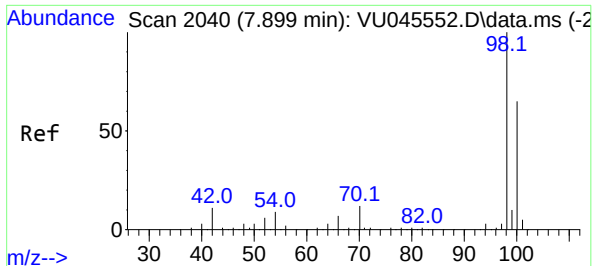
Tgt Ion:117 Resp: 16874
Ion Ratio Lower Upper
117 100
119 4.0 77.4 116.0#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 3.844 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

Tgt Ion:130 Resp: 7822
Ion Ratio Lower Upper
130 100
95 90.7 0.0 211.4

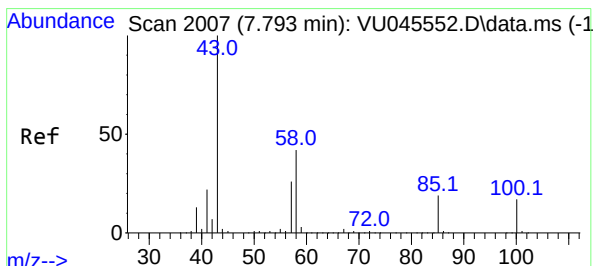
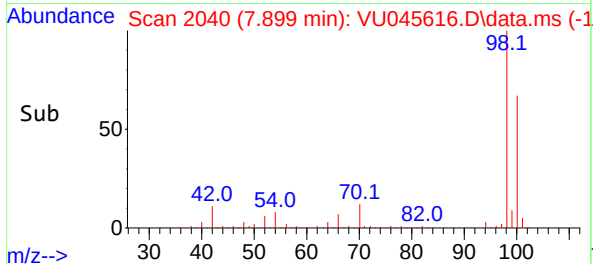
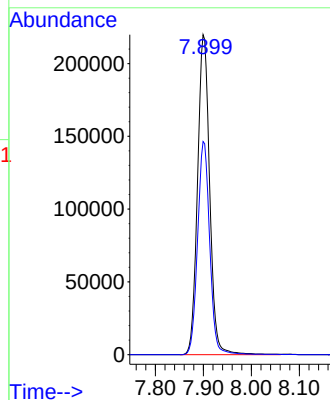
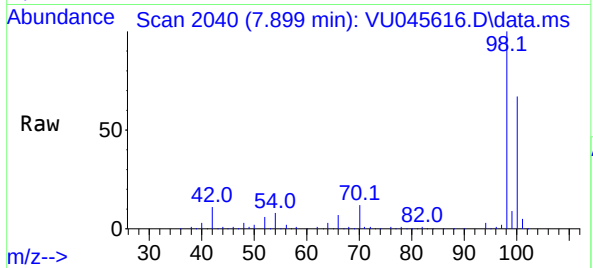




#50
Toluene-d8
Concen: 52.843 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

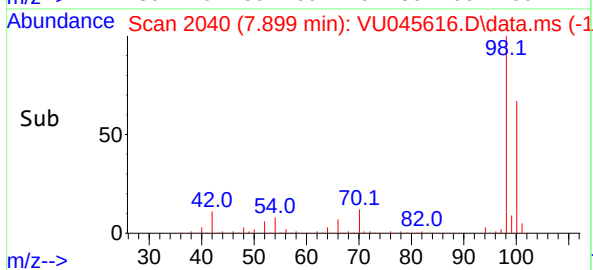
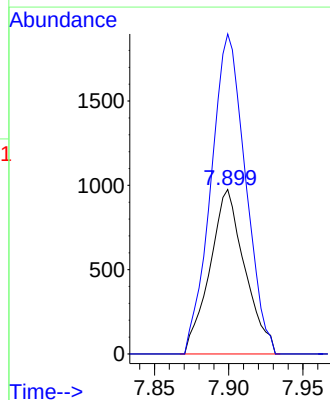
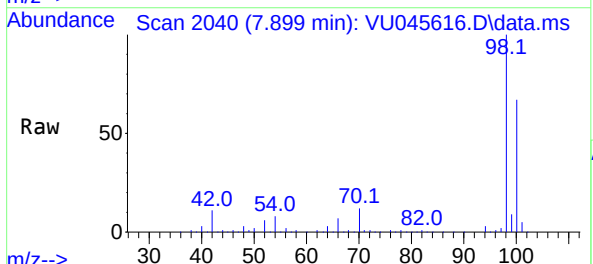
Instrument :
MSVOA_U
ClientSampleId :

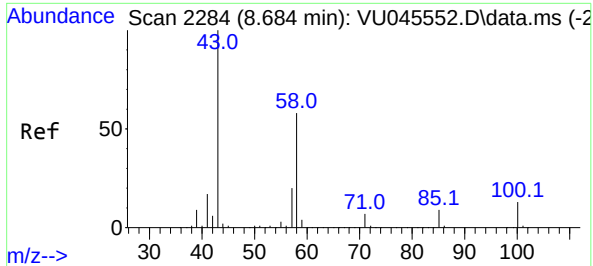
Tgt Ion: 98 Resp: 386363
Ion Ratio Lower Upper
98 100
100 66.2 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.480 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.106 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

Tgt Ion: 43 Resp: 1599
Ion Ratio Lower Upper
43 100
58 192.1 33.8 50.8#

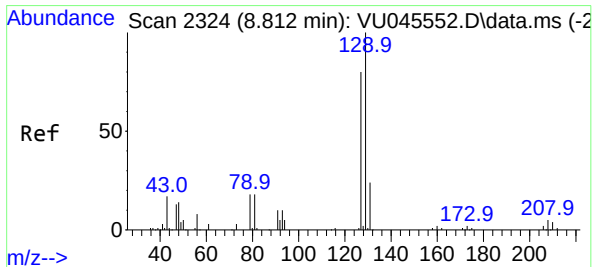
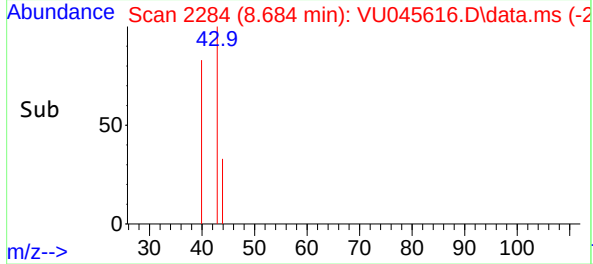
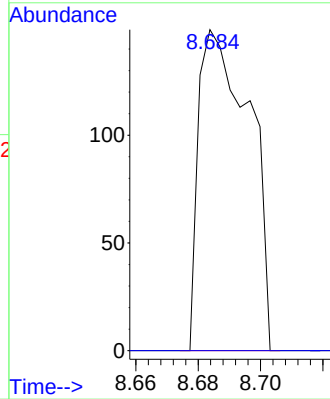
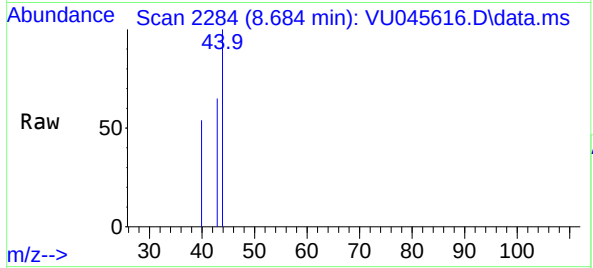




#59
2-Hexanone
Concen: 7.591 ug/l
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

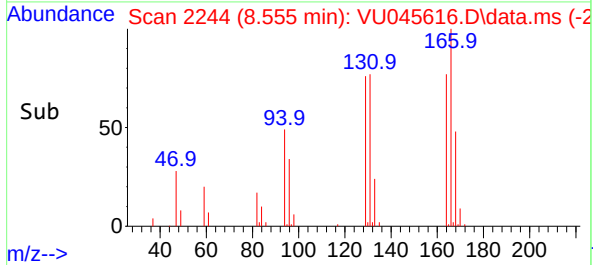
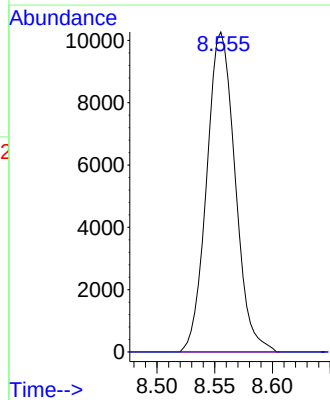
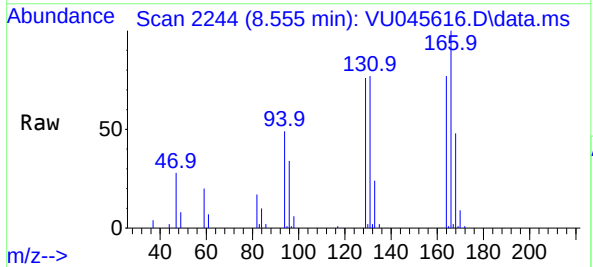
Instrument :
MSVOA_U
ClientSampleId :

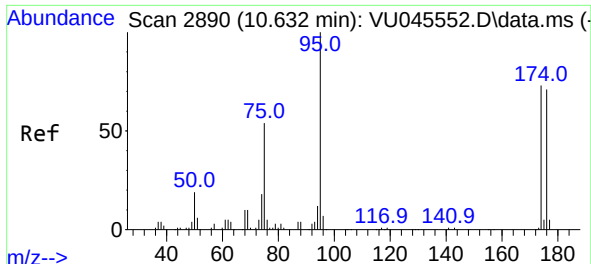
Tgt Ion: 43 Resp: 168
Ion Ratio Lower Upper
43 100
58 0.0 29.5 88.6#



#60
Dibromochloromethane
Concen: 7.840 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

Tgt Ion: 129 Resp: 17612
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

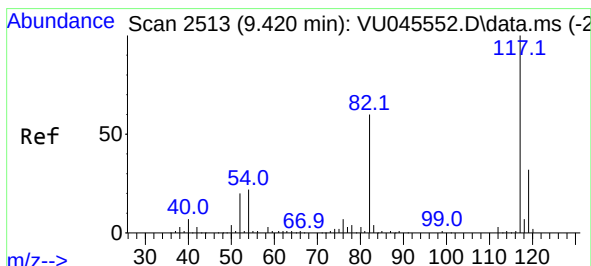
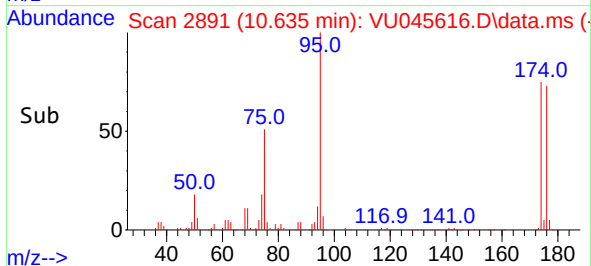
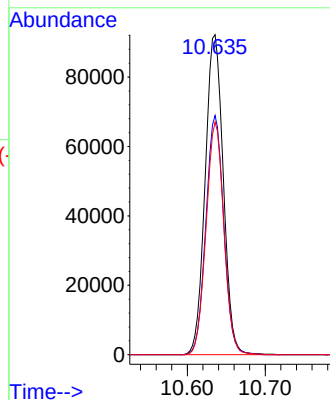
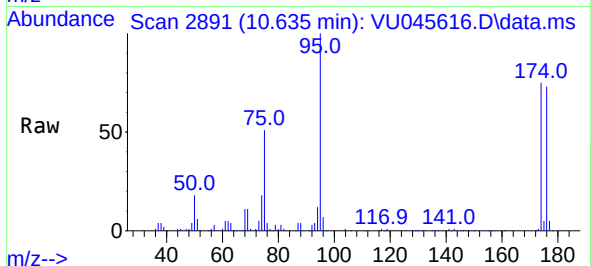




#62
4-Bromofluorobenzene
Concen: 50.810 ug/l
RT: 10.635 min Scan# 2890
Delta R.T. 0.003 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

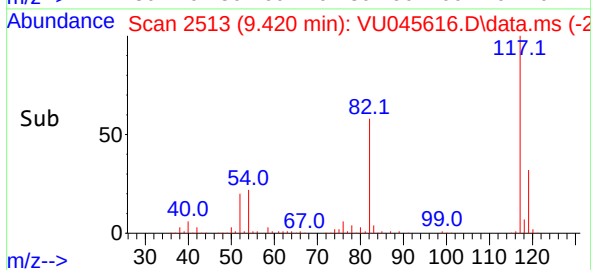
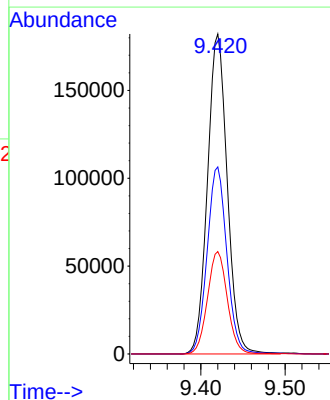
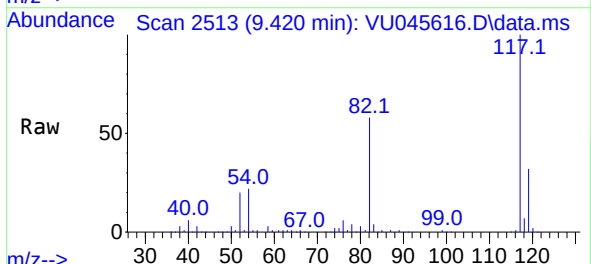
Instrument :
MSVOA_U
ClientSampleId :

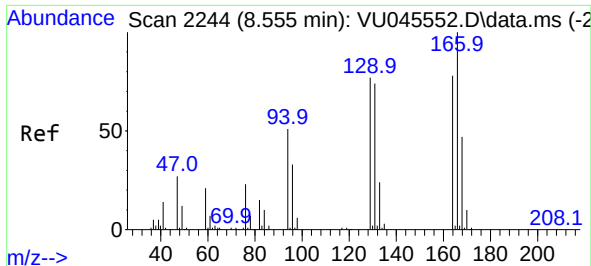
Tgt Ion: 95 Resp: 148970
Ion Ratio Lower Upper
95 100
174 73.9 0.0 141.8
176 71.1 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

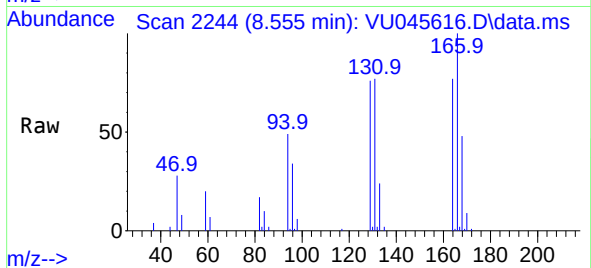
Tgt Ion: 117 Resp: 297227
Ion Ratio Lower Upper
117 100
82 58.4 47.8 71.8
119 32.0 25.8 38.8



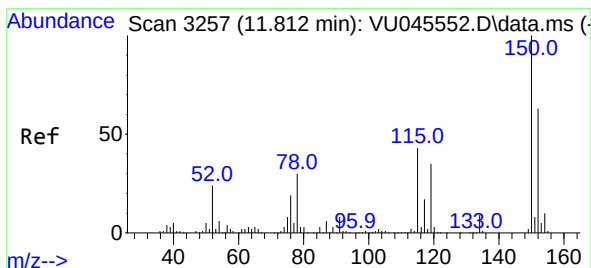
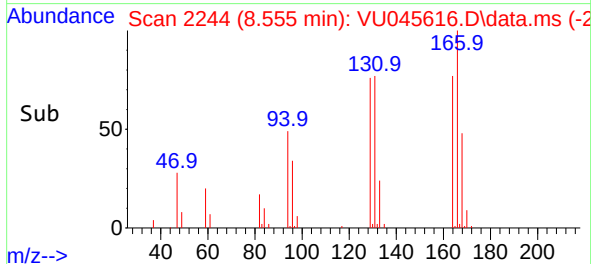
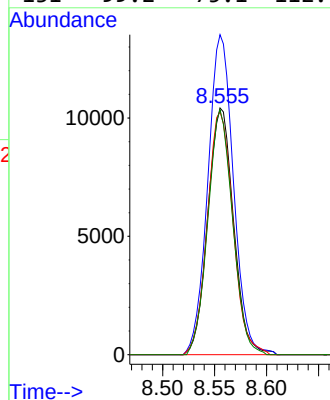


#64
Tetrachloroethene
Concen: 10.566 ug/l
RT: 8.555 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

Instrument :
MSVOA_U
ClientSampleId :

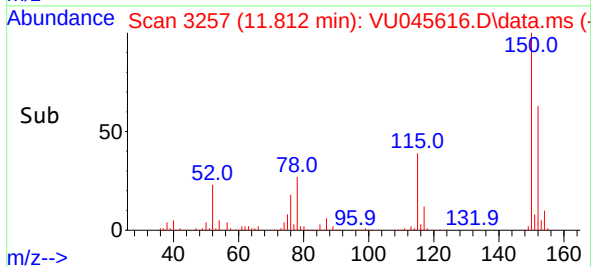
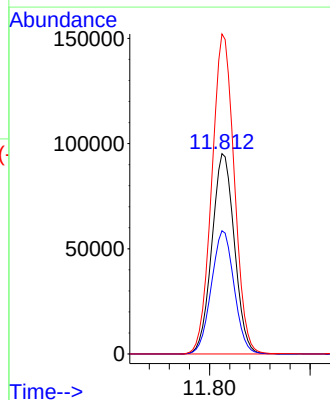
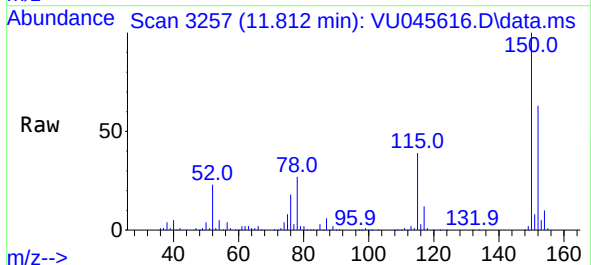


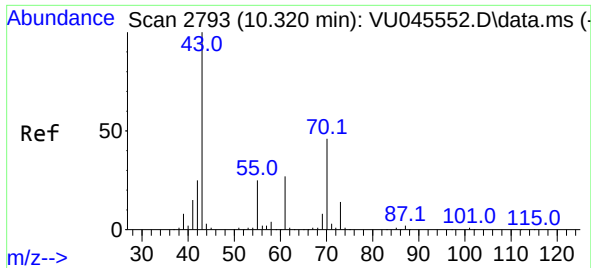
Tgt Ion:164 Resp: 18025
Ion Ratio Lower Upper
164 100
166 129.7 102.2 153.4
129 98.5 78.2 117.4
131 99.2 75.1 112.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. -0.000 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

Tgt Ion:152 Resp: 148042
Ion Ratio Lower Upper
152 100
115 62.3 42.7 128.1
150 159.7 0.0 346.8

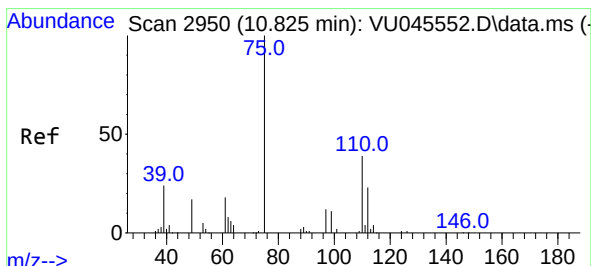
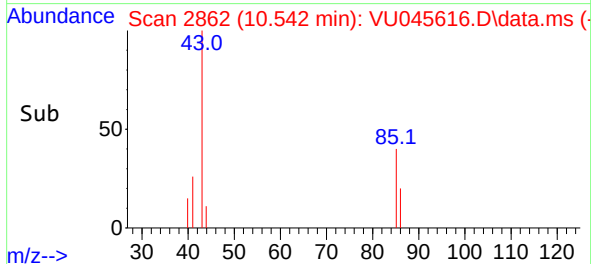
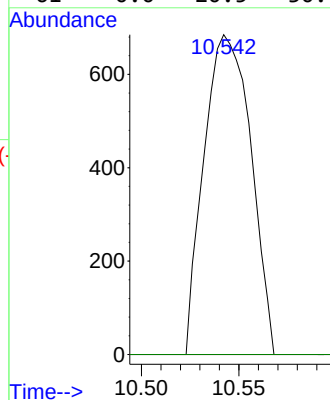
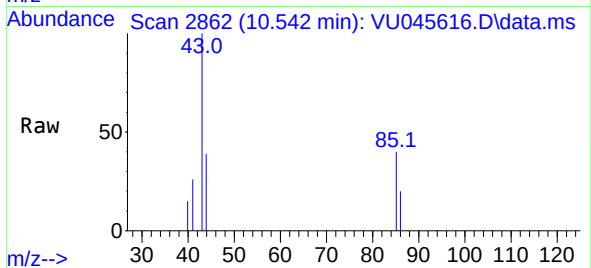




#74
N-amy1 acetate
Concen: 0.262 ug/l
RT: 10.542 min Scan# 2862
Delta R.T. 0.222 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

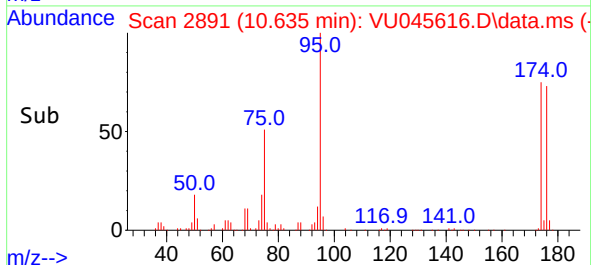
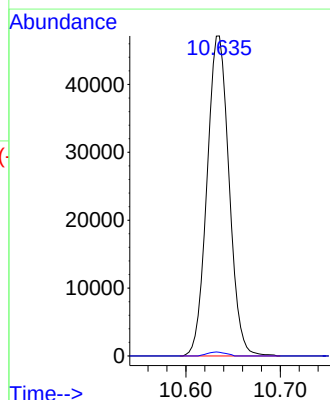
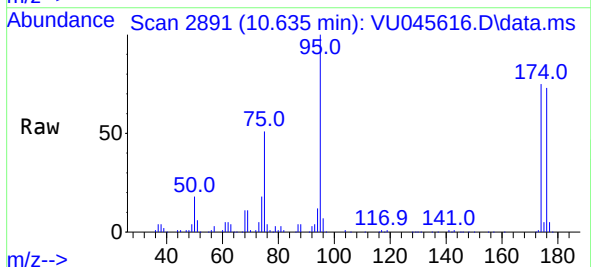
Instrument :
MSVOA_U
ClientSampleId :

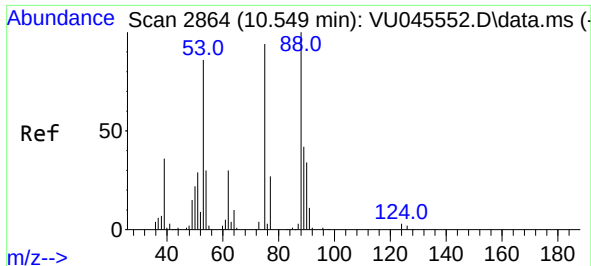
Tgt Ion: 43	Resp:	1145
Ion	Ratio	Lower Upper
43	100	
70	0.0	36.9 55.3#
55	0.0	20.6 31.0#
61	0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 17.015 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.190 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

Tgt Ion: 75	Resp:	76389
Ion	Ratio	Lower Upper
75	100	
77	1.1	17.1 51.3#

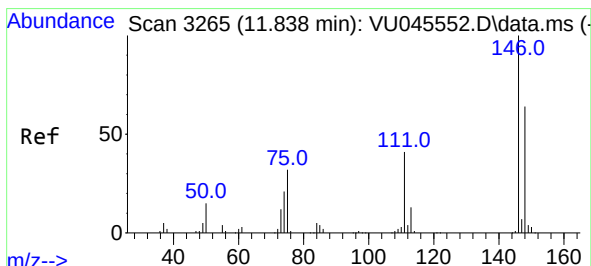
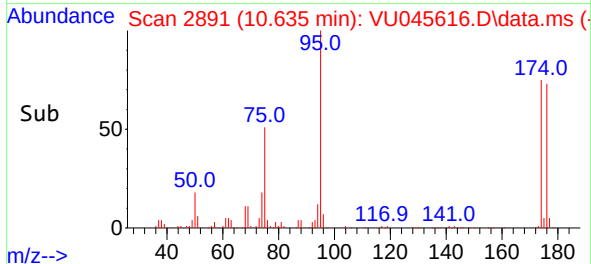
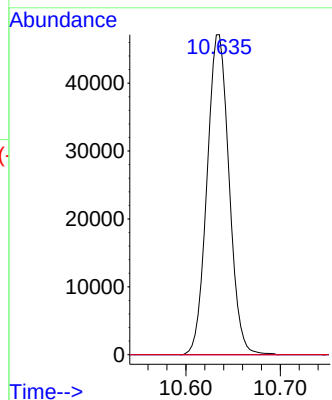
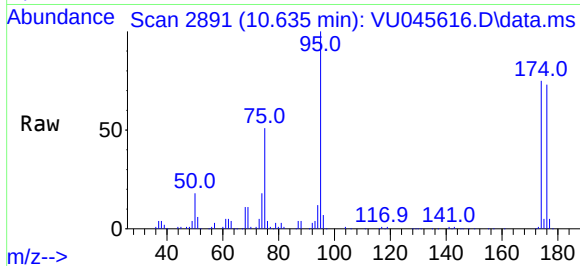




#81
trans-1,4-Dichloro-2-butene
Concen: 55.397 ug/l
RT: 10.635 min Scan# 21
Delta R.T. 0.086 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

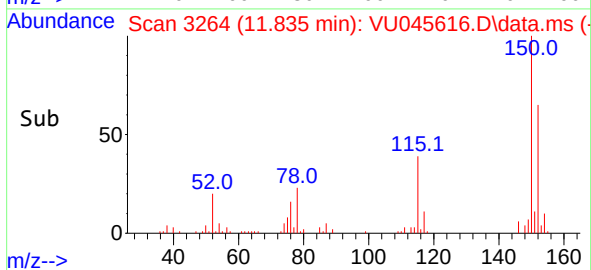
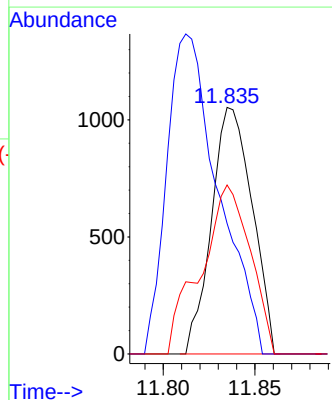
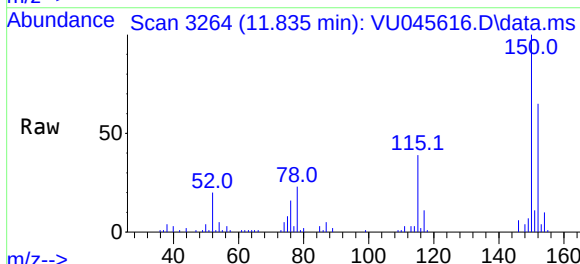
Instrument :
MSVOA_U
ClientSampleId :

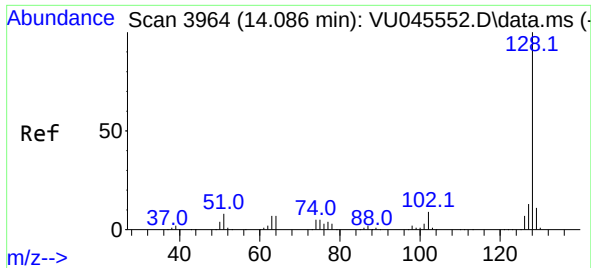
Tgt Ion: 75 Resp: 76389
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#88
1,4-Dichlorobenzene
Concen: 0.339 ug/l
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU045616.D
Acq: 08 Nov 2021 15:32

Tgt Ion:146 Resp: 1623
Ion Ratio Lower Upper
146 100
111 0.0 20.6 61.9#
148 83.2 31.9 95.7





#95

Naphthalene

Concen: 1.105 ug/l

RT: 14.095 min Scan# 3967

Delta R.T. 0.009 min

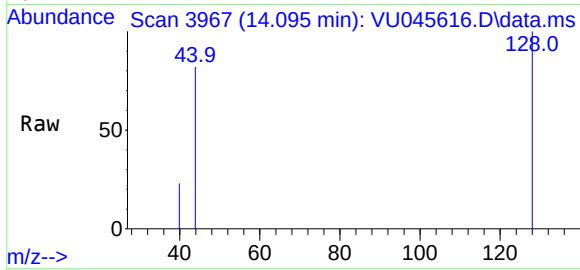
Lab File: VU045616.D

Acq: 08 Nov 2021 15:32

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 932

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

