

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111121\
 Data File : VU045746.D
 Acq On : 11 Nov 2021 18:09
 Operator : SY/MD
 Sample : M4606-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WEST-DITCH-IN-20211109

Quant Time: Nov 12 06:11:47 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)

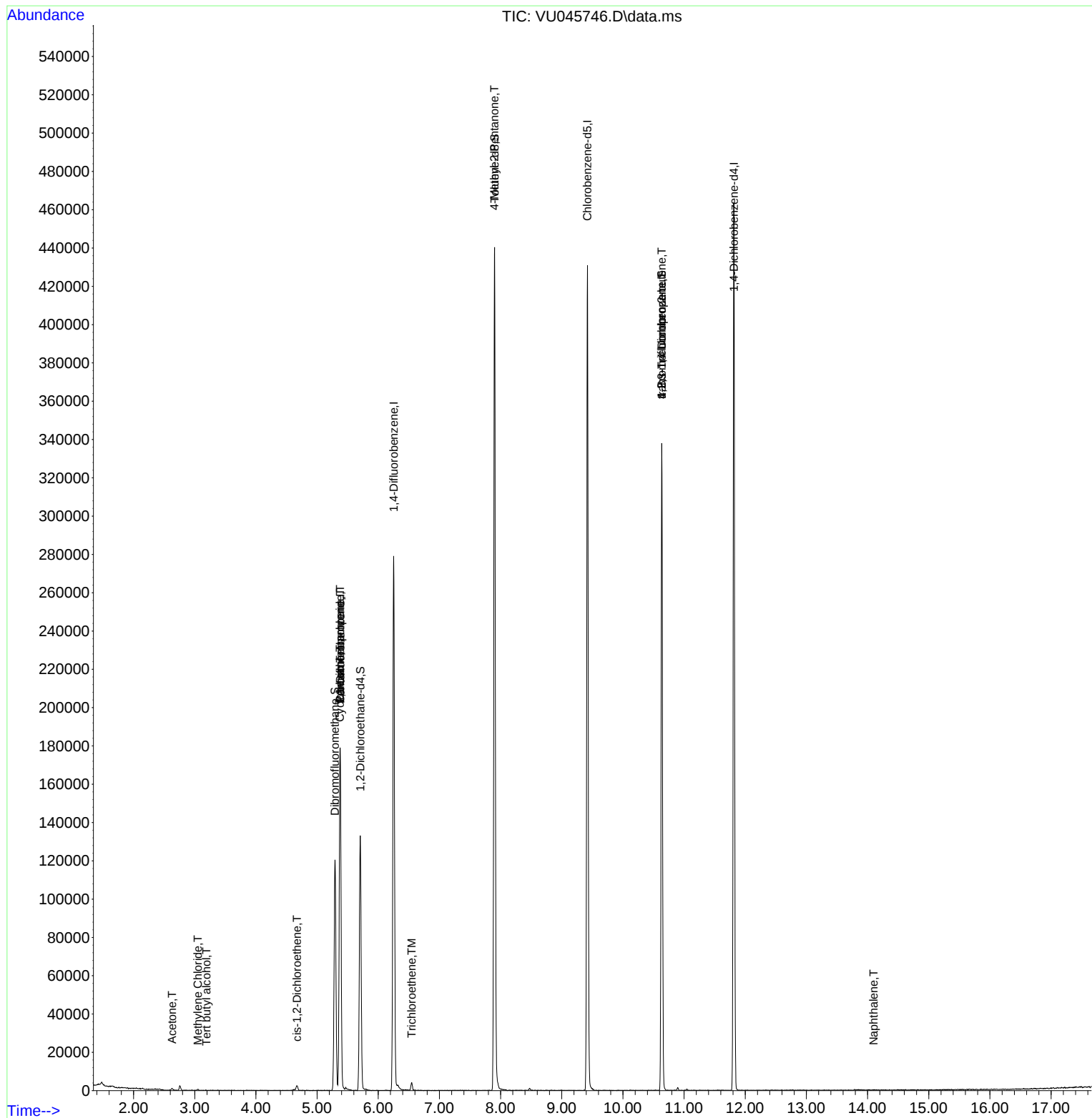
Internal Standards						
1) Pentafluorobenzene	5.378	168	117559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	217940	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	229804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	114766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	98293	55.830	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 111.660%	
35) Dibromofluoromethane	5.292	113	78585	54.008	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.020%	
50) Toluene-d8	7.902	98	292733	54.103	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 108.200%	
62) 4-Bromofluorobenzene	10.635	95	110126	50.757	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.189	59	73	0.209	ug/l #	72
16) Acetone	2.629	43	1178	1.314	ug/l #	87
20) Methylene Chloride	3.050	84	367	0.236	ug/l #	65
27) cis-1,2-Dichloroethene	4.671	96	1338	0.847	ug/l	82
31) Cyclohexane	5.372	56	2587	1.007	ug/l #	3
36) 1,1-Dichloropropene	5.375	75	10820	5.092	ug/l #	48
38) Carbon Tetrachloride	5.375	117	12957	6.048	ug/l #	16
44) Trichloroethene	6.545	130	1393	0.925	ug/l	100
51) 4-Methyl-2-Pentanone	7.899	43	1008	0.409	ug/l #	1
76) 1,2,3-Trichloropropane	10.635	75	57894	16.634	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.635	75	57894	54.224	ug/l #	12
95) Naphthalene	14.098	128	43	1.033	ug/l #	69

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

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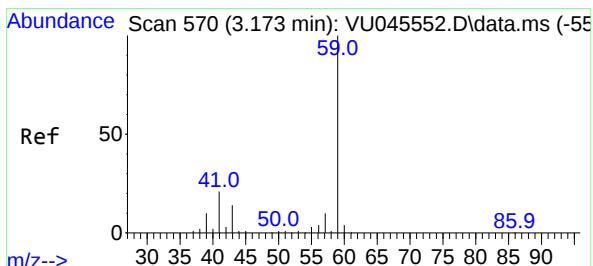
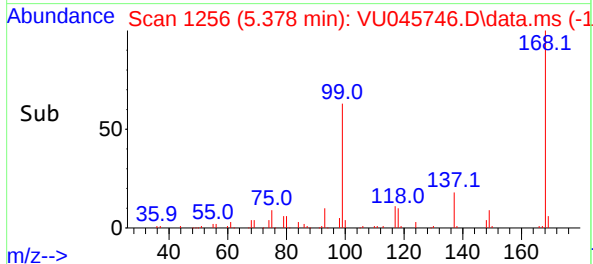
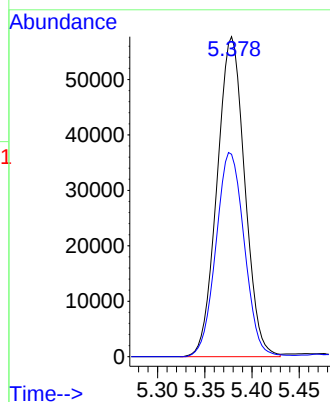
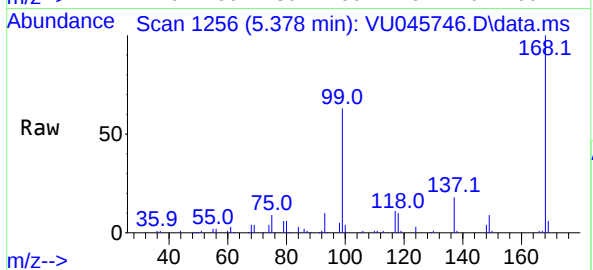




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045746.D
Acq: 11 Nov 2021 18:09

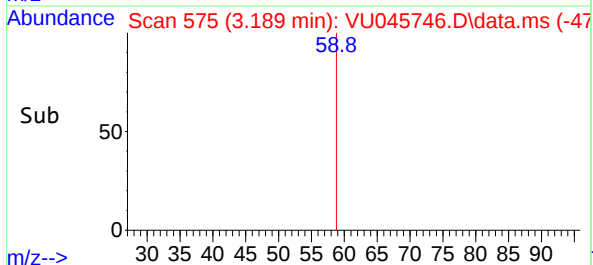
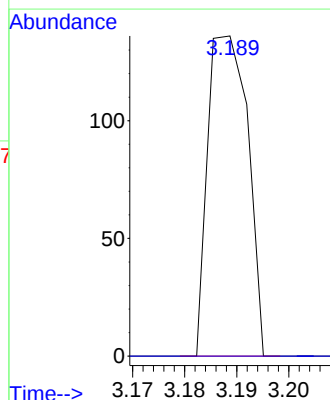
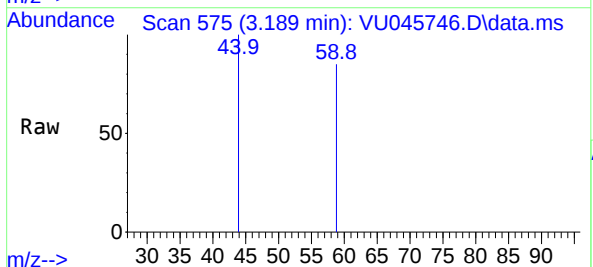
Instrument :
MSVOA_U
ClientSampleId :
WEST-DITCH-IN-20211109

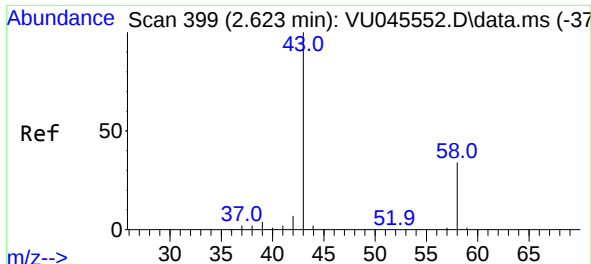
Tgt Ion:168 Resp: 117559
Ion Ratio Lower Upper
168 100
99 63.2 51.0 76.6



#11
Tert butyl alcohol
Concen: 0.209 ug/l
RT: 3.189 min Scan# 575
Delta R.T. 0.016 min
Lab File: VU045746.D
Acq: 11 Nov 2021 18:09

Tgt Ion: 59 Resp: 73
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

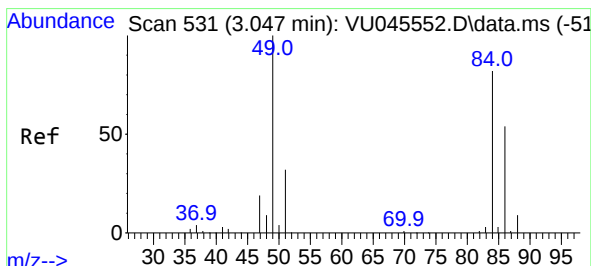
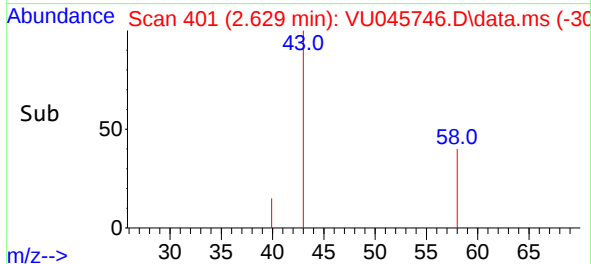
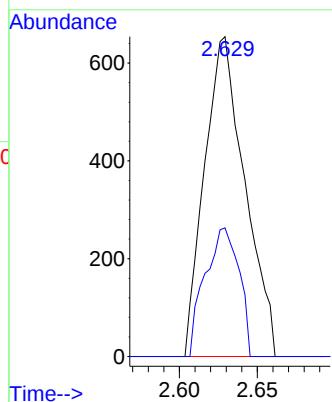
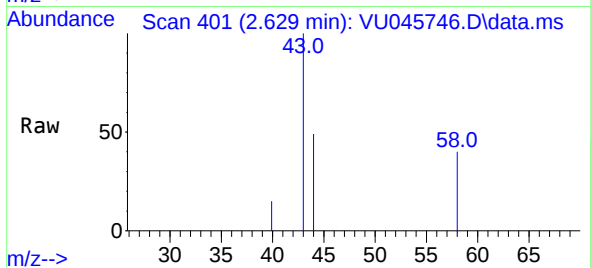




#16
Acetone
Concen: 1.314 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.006 min
Lab File: VU045746.D
Acq: 11 Nov 2021 18:09

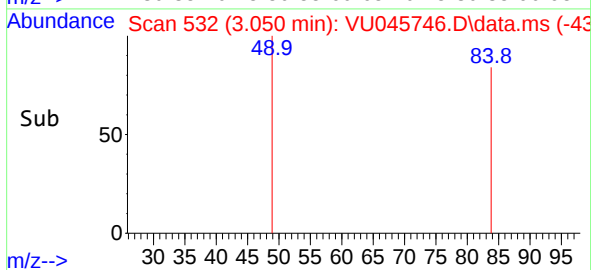
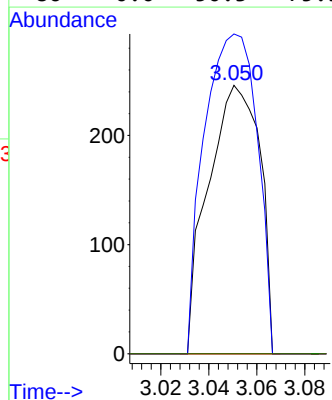
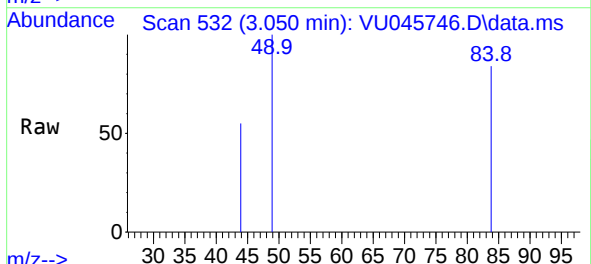
Instrument :
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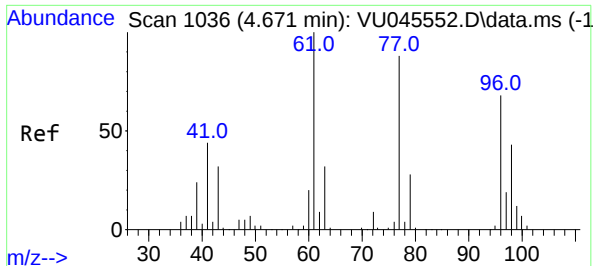
Tgt Ion: 43 Resp: 1178
Ion Ratio Lower Upper
43 100
58 40.2 26.2 39.2#



#20
Methylene Chloride
Concen: 0.236 ug/l
RT: 3.050 min Scan# 532
Delta R.T. 0.003 min
Lab File: VU045746.D
Acq: 11 Nov 2021 18:09

Tgt Ion: 84 Resp: 367
Ion Ratio Lower Upper
84 100
49 119.1 96.4 144.6
51 0.0 30.5 45.7#
86 0.0 50.3 75.5#



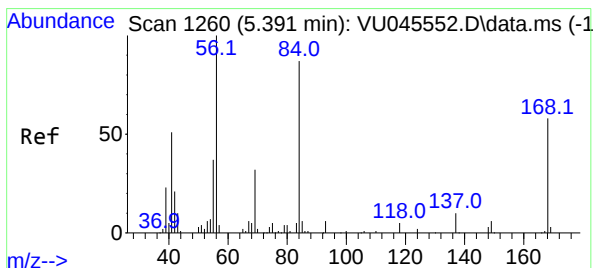
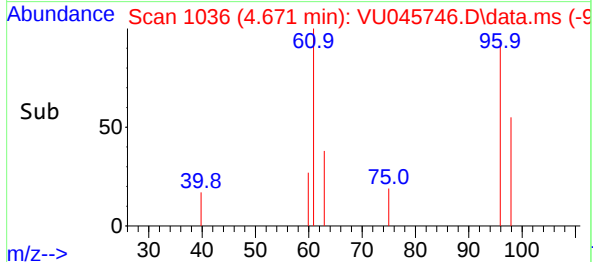
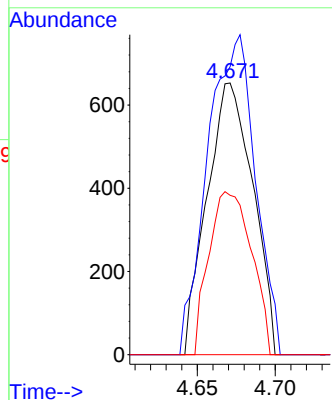
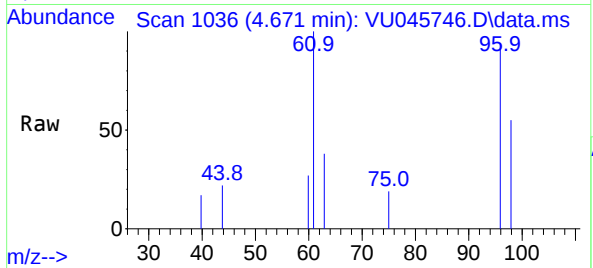


#27
 cis-1,2-Dichloroethene
 Concen: 0.847 ug/l
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VU045746.D
 Acq: 11 Nov 2021 18:09

Instrument :
 MSVOA_U
 ClientSampleId :
 WEST-DITCH-IN-20211109

Tgt Ion: 96 Resp: 1338

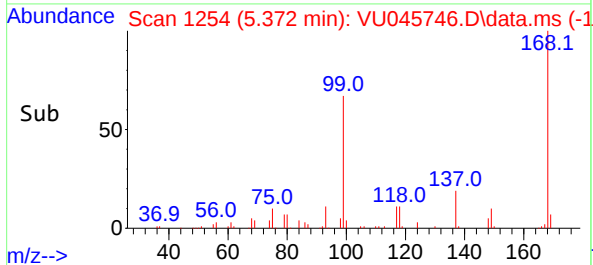
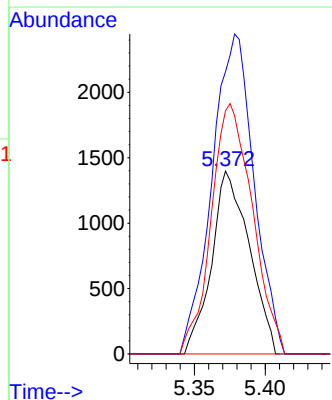
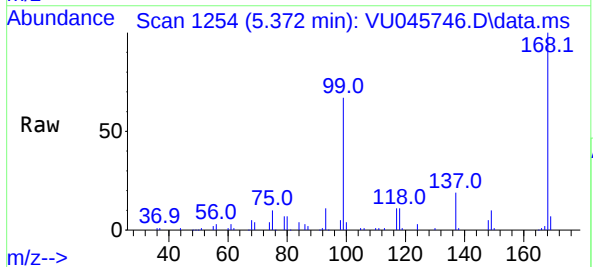
Ion	Ratio	Lower	Upper
96	100		
61	122.1	0.0	299.2
98	55.8	0.0	127.6

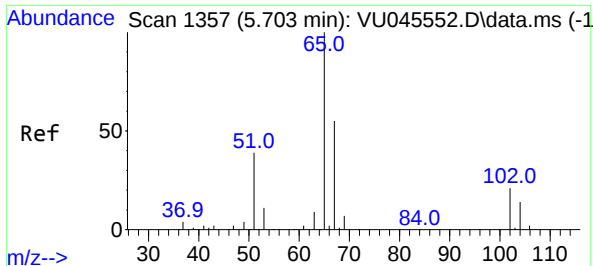


#31
 Cyclohexane
 Concen: 1.007 ug/l
 RT: 5.372 min Scan# 1254
 Delta R.T. -0.019 min
 Lab File: VU045746.D
 Acq: 11 Nov 2021 18:09

Tgt Ion: 56 Resp: 2587

Ion	Ratio	Lower	Upper
56	100		
69	154.2	26.4	39.6#
84	133.0	68.4	102.6#





#33

1,2-Dichloroethane-d4

Concen: 55.830 ug/l

RT: 5.706 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU045746.D

Acq: 11 Nov 2021 18:09

Instrument :

MSVOA_U

ClientSampleId :

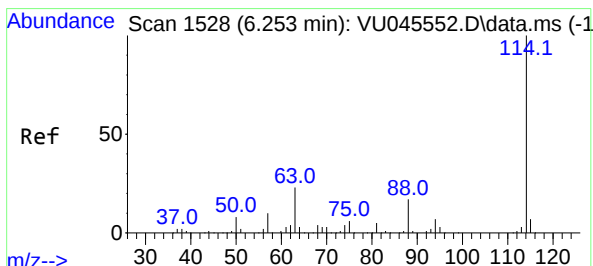
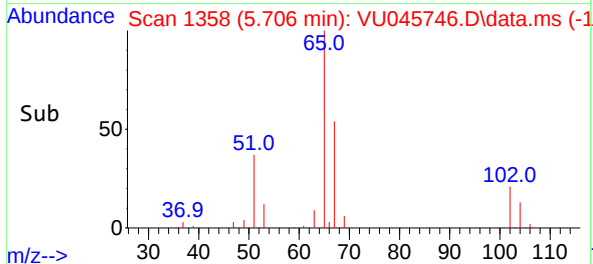
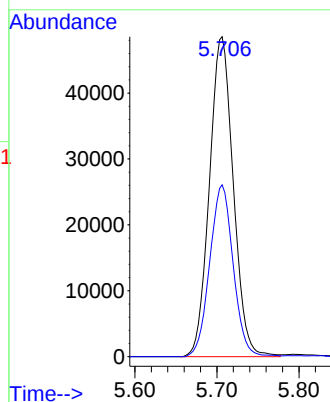
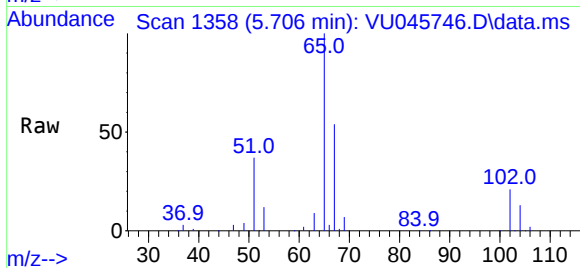
WEST-DITCH-IN-20211109

Tgt Ion: 65 Resp: 98293

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: VU045746.D

Acq: 11 Nov 2021 18:09

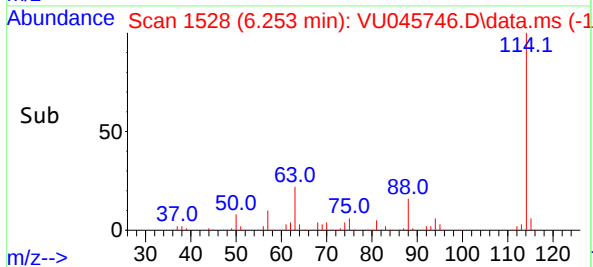
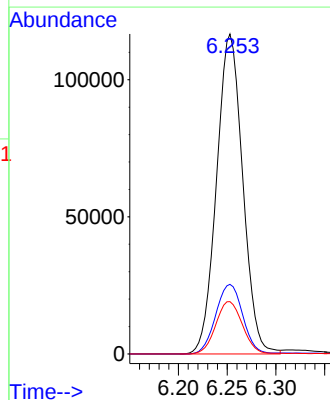
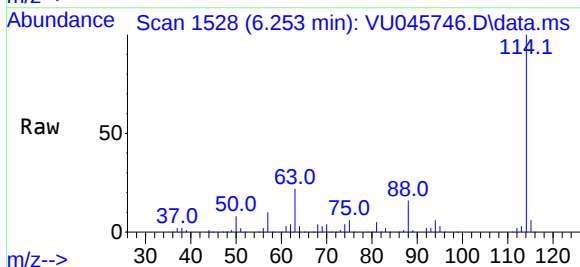
Tgt Ion: 114 Resp: 217940

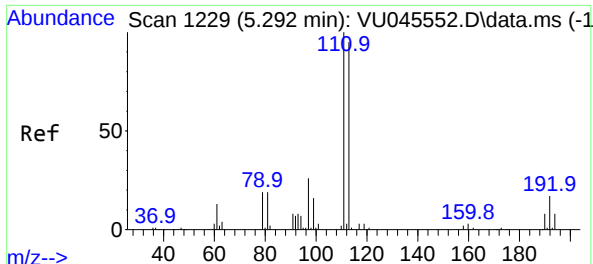
Ion Ratio Lower Upper

114 100

63 21.8 0.0 45.6

88 16.3 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.008 ug/l

RT: 5.292 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU045746.D

Acq: 11 Nov 2021 18:09

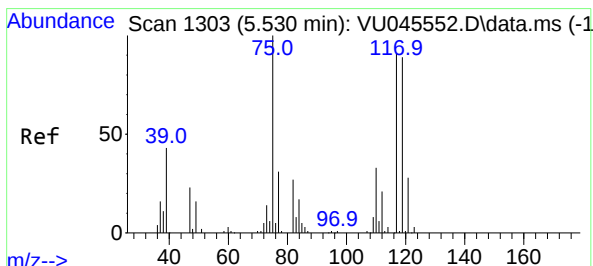
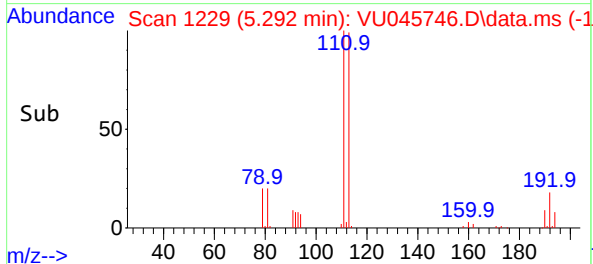
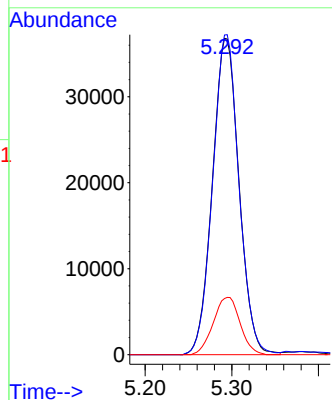
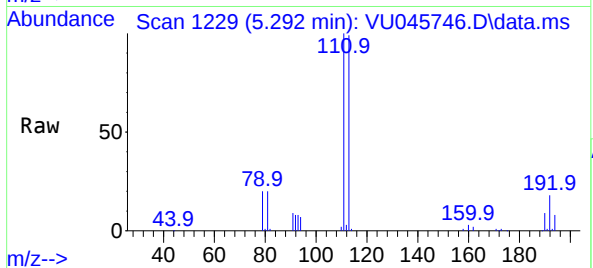
Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:	113	Resp:	78585
Ion	Ratio	Lower	Upper
113	100		
111	99.8	82.8	124.2
192	18.3	14.8	22.2



#36

1,1-Dichloropropene

Concen: 5.092 ug/l

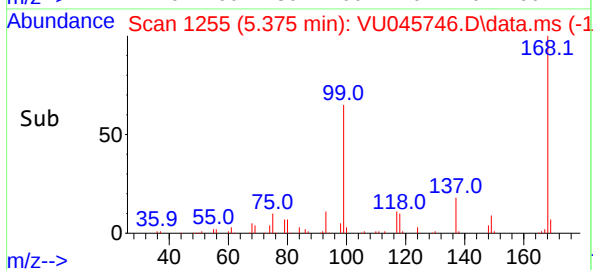
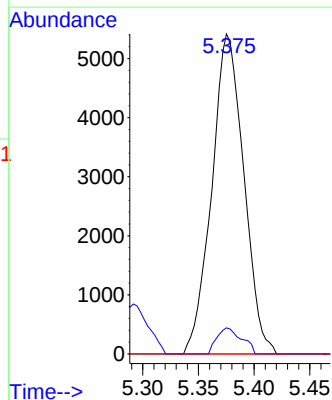
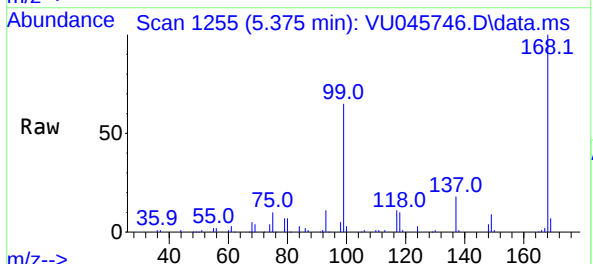
RT: 5.375 min Scan# 1255

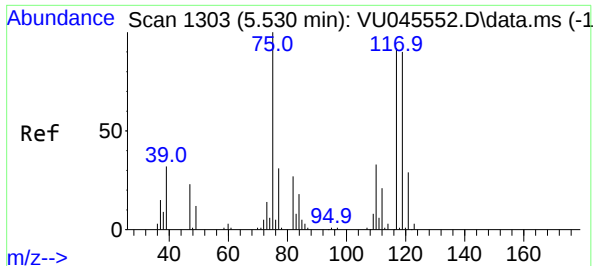
Delta R.T. -0.154 min

Lab File: VU045746.D

Acq: 11 Nov 2021 18:09

Tgt Ion:	75	Resp:	10820
Ion	Ratio	Lower	Upper
75	100		
110	6.3	16.7	50.0#
77	0.0	25.0	37.4#

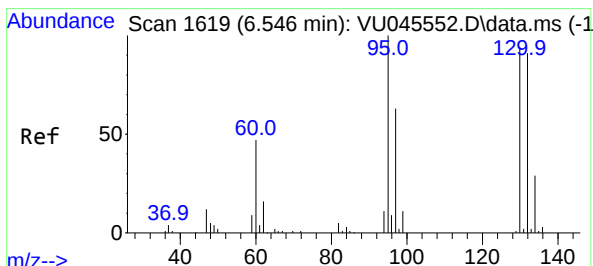
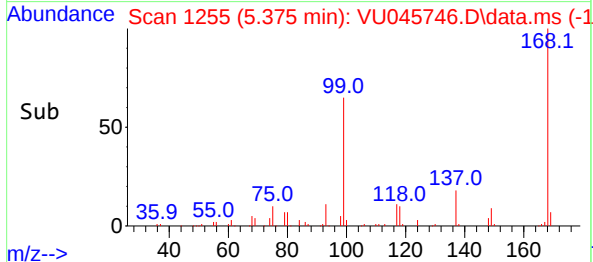
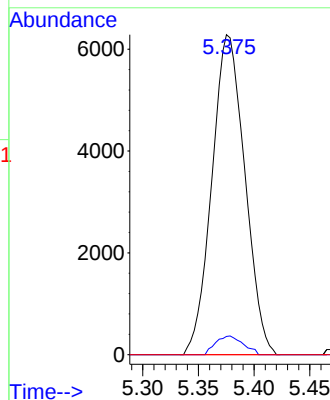
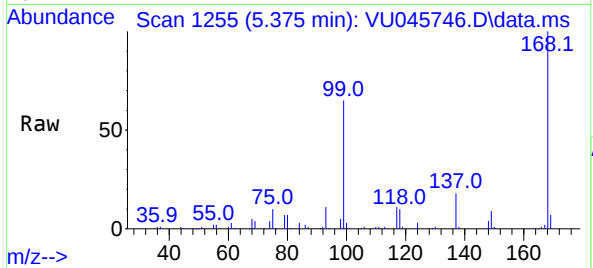




#38
Carbon Tetrachloride
Concen: 6.048 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.154 min
Lab File: VU045746.D
Acq: 11 Nov 2021 18:09

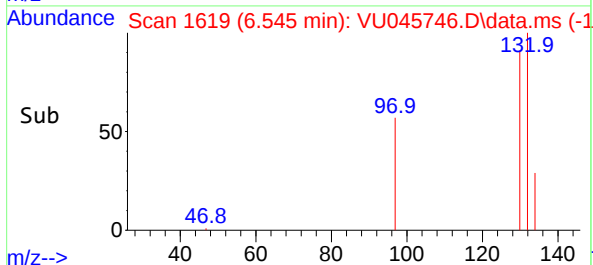
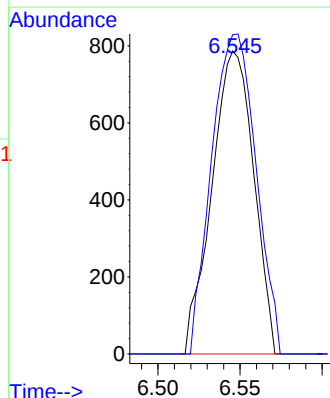
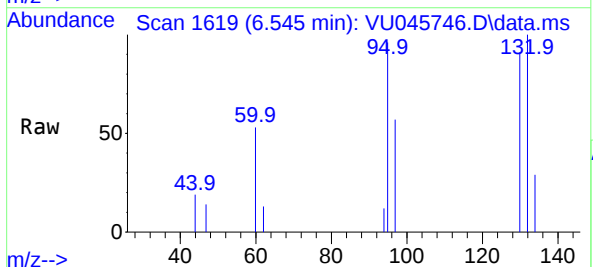
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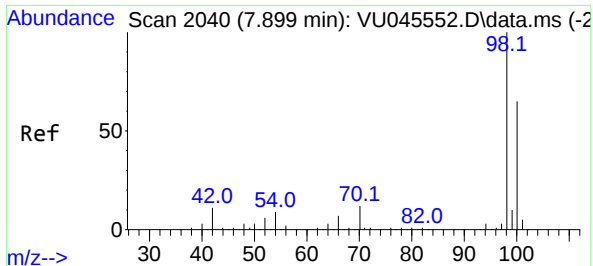
Tgt Ion:117 Resp: 12957
Ion Ratio Lower Upper
117 100
119 5.7 77.4 116.0#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 0.925 ug/l
RT: 6.545 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045746.D
Acq: 11 Nov 2021 18:09

Tgt Ion:130 Resp: 1393
Ion Ratio Lower Upper
130 100
95 105.3 0.0 211.4

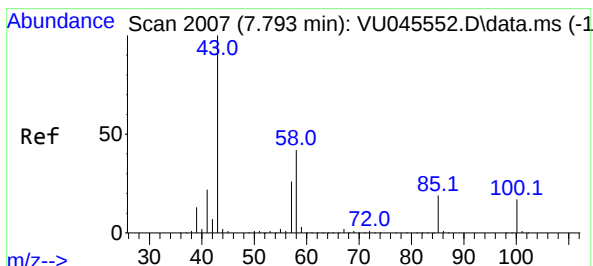
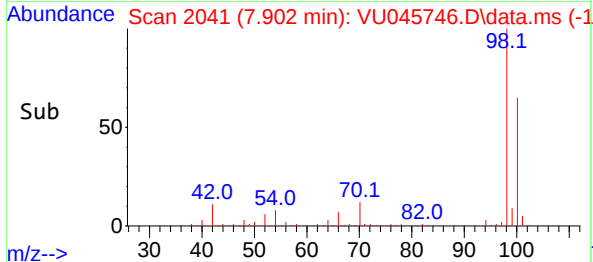
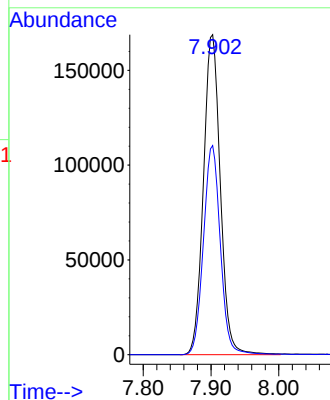
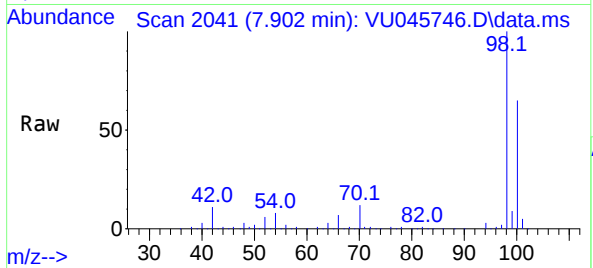




#50
Toluene-d8
Concen: 54.103 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.003 min
Lab File: VU045746.D
Acq: 11 Nov 2021 18:09

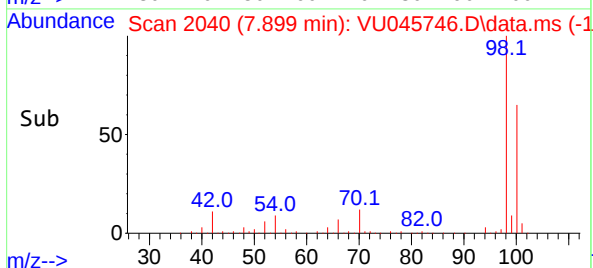
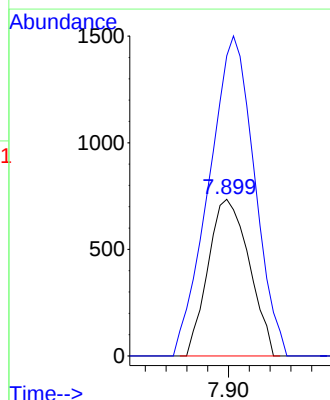
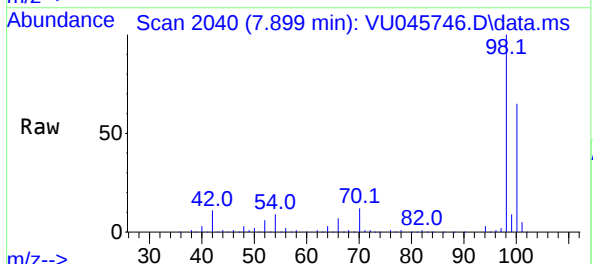
Instrument :
MSVOA_U
ClientSampleId :
WEST-DITCH-IN-20211109

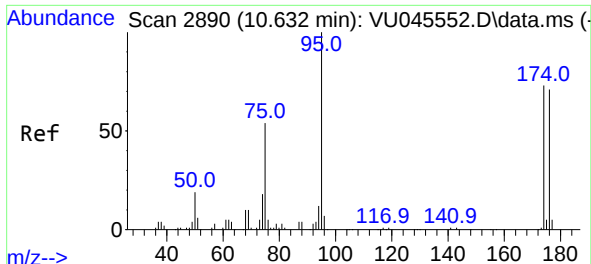
Tgt Ion: 98 Resp: 292733
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.409 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.106 min
Lab File: VU045746.D
Acq: 11 Nov 2021 18:09

Tgt Ion: 43 Resp: 1008
Ion Ratio Lower Upper
43 100
58 226.2 33.8 50.8#





#62

4-Bromofluorobenzene

Concen: 50.757 ug/l

RT: 10.635 min Scan# 2891

Delta R.T. 0.003 min

Lab File: VU045746.D

Acq: 11 Nov 2021 18:09

Instrument :

MSVOA_U

ClientSampleId :

WEST-DITCH-IN-20211109

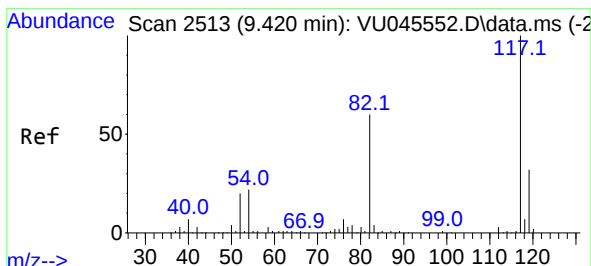
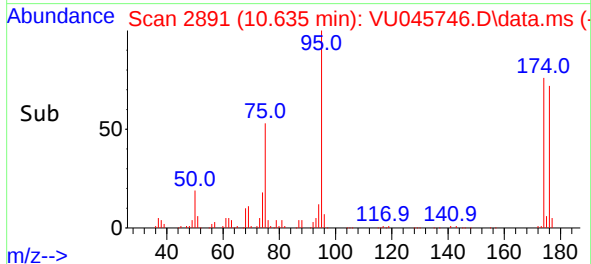
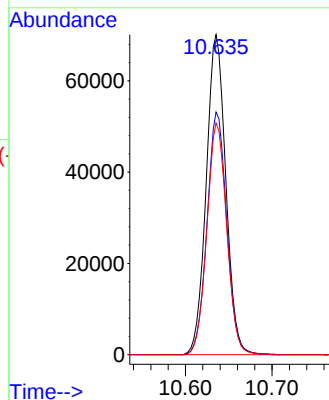
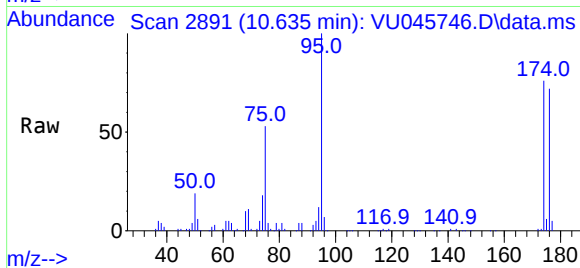
Tgt Ion: 95 Resp: 110126

Ion Ratio Lower Upper

95 100

174 76.4 0.0 141.8

176 73.1 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: VU045746.D

Acq: 11 Nov 2021 18:09

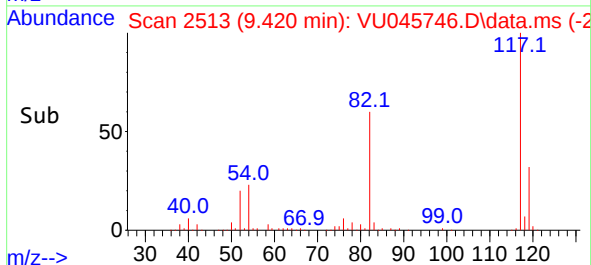
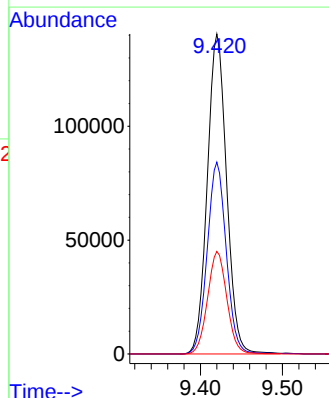
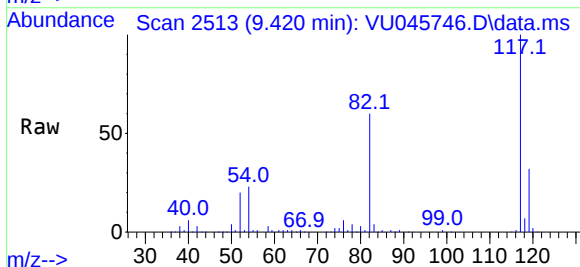
Tgt Ion: 117 Resp: 229804

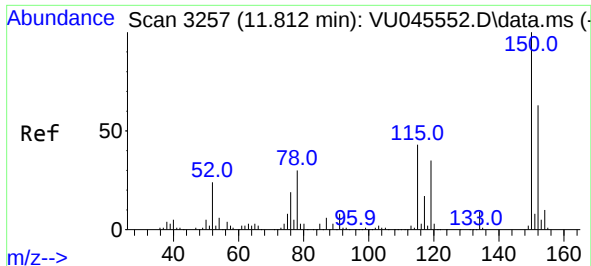
Ion Ratio Lower Upper

117 100

82 59.9 47.8 71.8

119 32.1 25.8 38.8

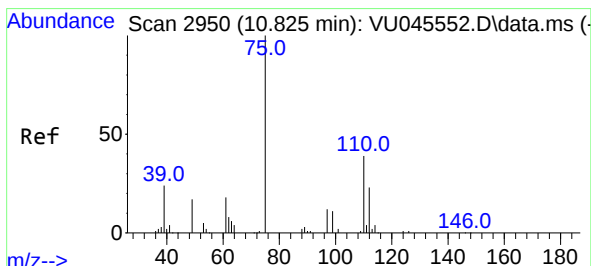
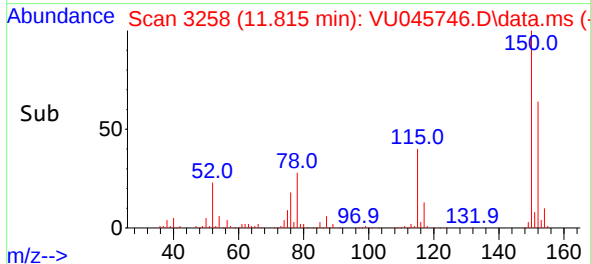
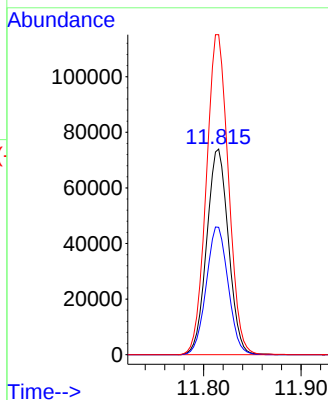
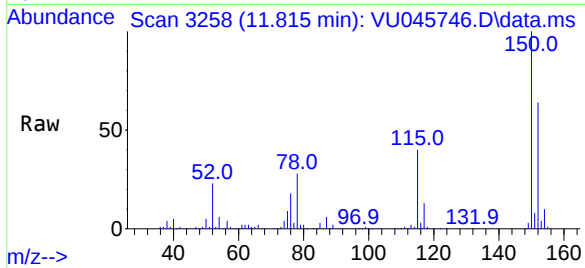




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU045746.D
Acq: 11 Nov 2021 18:09

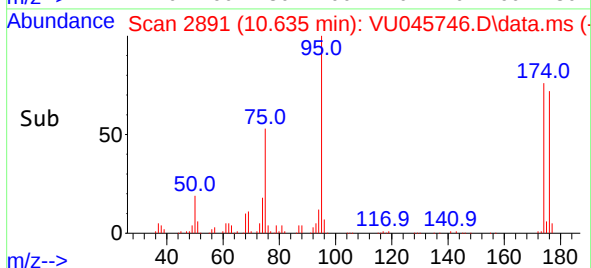
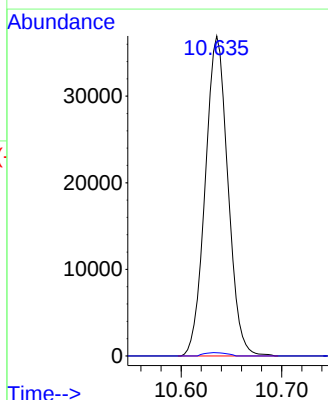
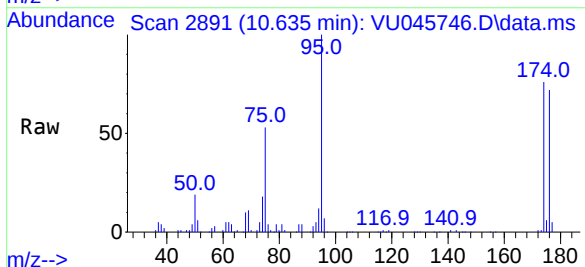
Instrument :
MSVOA_U
ClientSampleId :
WEST-DITCH-IN-20211109

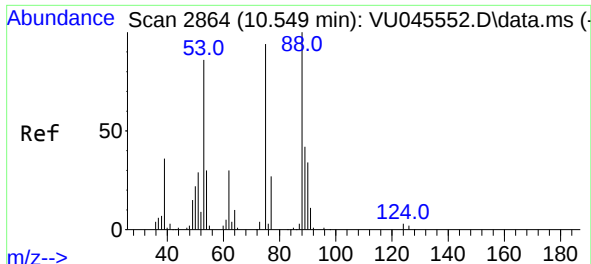
Tgt Ion:152 Resp: 114766
Ion Ratio Lower Upper
152 100
115 62.6 42.7 128.1
150 158.4 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 16.634 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.190 min
Lab File: VU045746.D
Acq: 11 Nov 2021 18:09

Tgt Ion: 75 Resp: 57894
Ion Ratio Lower Upper
75 100
77 1.0 17.1 51.3#

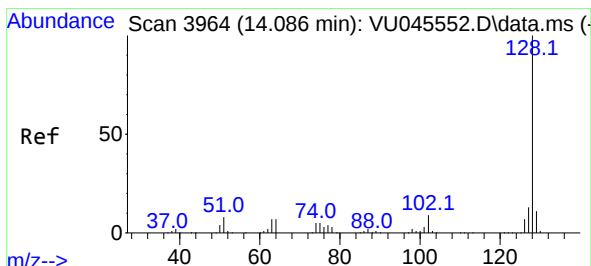
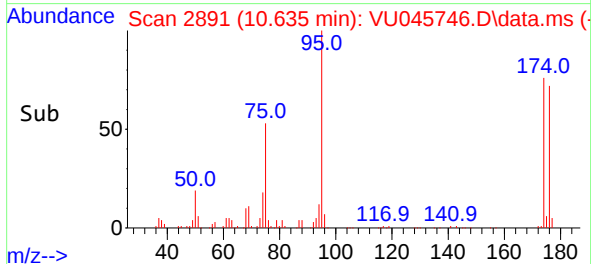
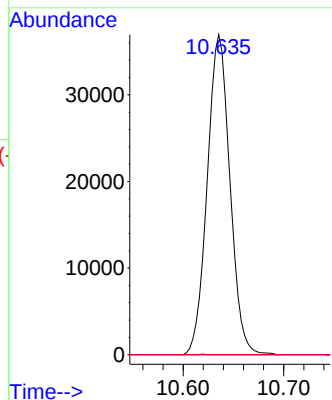
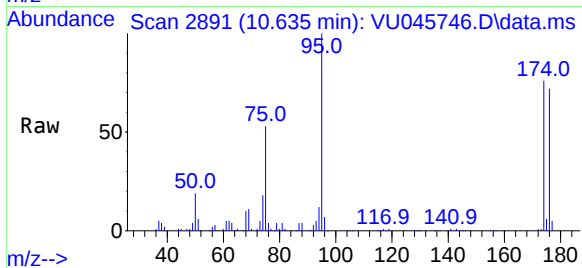




#81
trans-1,4-Dichloro-2-butene
Concen: 54.224 ug/l
RT: 10.635 min Scan# 2864
Delta R.T. 0.086 min
Lab File: VU045746.D
Acq: 11 Nov 2021 18:09

Instrument : MSVOA_U
ClientSampleId : WEST-DITCH-IN-20211109

Tgt Ion: 75 Resp: 57894
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#95
Naphthalene
Concen: 1.033 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.012 min
Lab File: VU045746.D
Acq: 11 Nov 2021 18:09

Tgt Ion:128 Resp: 43
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

