

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU093021\
 Data File : VU045056.D
 Acq On : 30 Sep 2021 18:47
 Operator : SY/MD
 Sample : M3966-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 01 05:41:28 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)

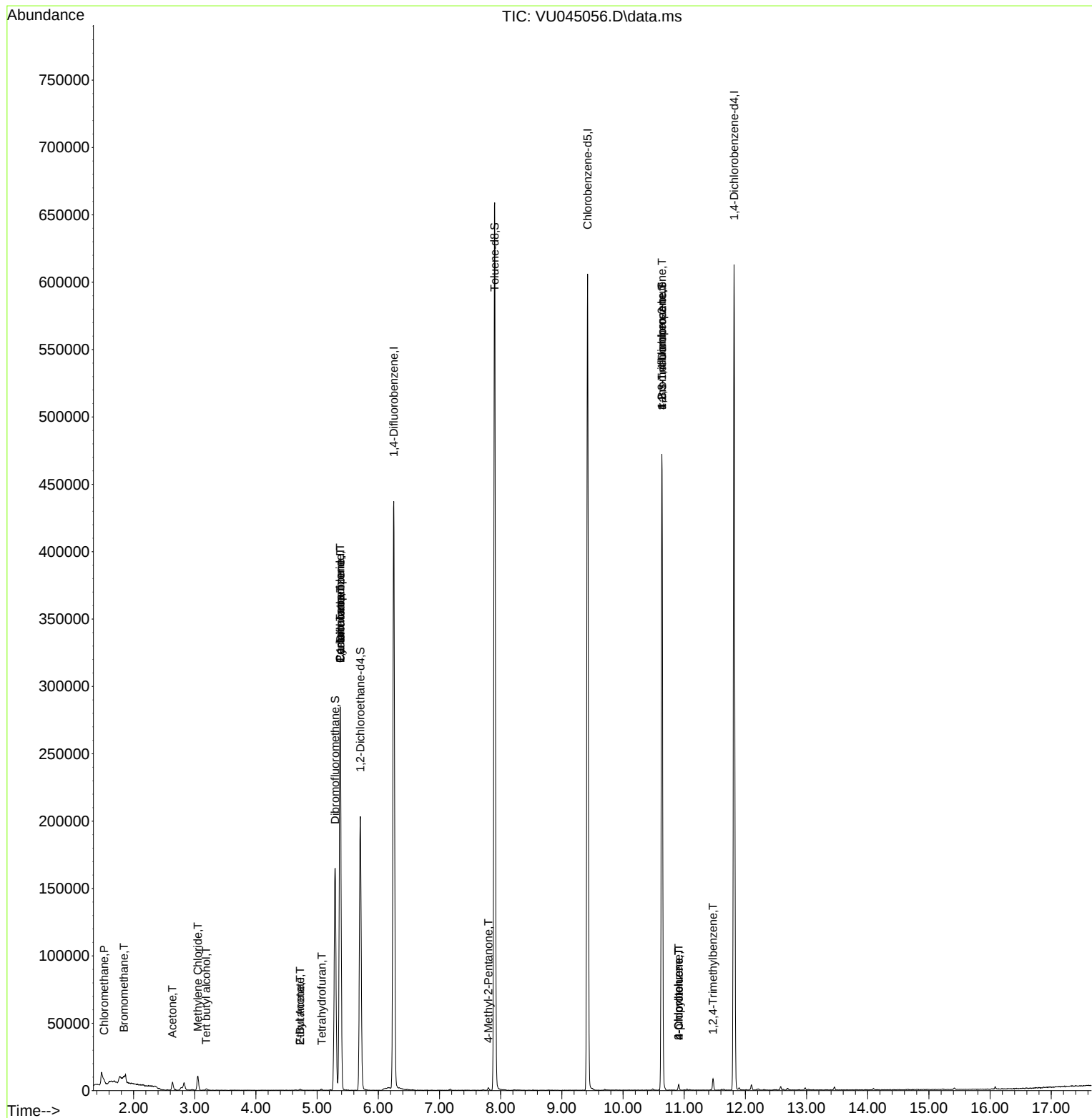
Internal Standards						
1) Pentafluorobenzene	5.379	168	187204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	337508	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	311711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	147833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	152214	48.845	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.700%
35) Dibromofluoromethane	5.292	113	106005	49.788	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.580%
50) Toluene-d8	7.903	98	426619	50.713	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.420%
62) 4-Bromofluorobenzene	10.636	95	154774	44.563	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.120%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	764	0.254	ug/l #	88
5) Bromomethane	1.842	94	396	0.337	ug/l #	77
11) Tert butyl alcohol	3.186	59	778	0.870	ug/l #	72
16) Acetone	2.636	43	7094	3.835	ug/l	99
20) Methylene Chloride	3.048	84	5012	1.799	ug/l	96
25) 2-Butanone	4.723	43	1248	0.475	ug/l	92
29) Tetrahydrofuran	5.076	42	560	0.358	ug/l #	87
31) Cyclohexane	5.379	56	4882	1.031	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	17628	4.994	ug/l #	50
37) Ethyl Acetate	4.723	43	1248	0.267	ug/l #	69
38) Carbon Tetrachloride	5.375	117	19322	6.326	ug/l #	16
51) 4-Methyl-2-Pentanone	7.800	43	1450	0.283	ug/l	87
76) 1,2,3-Trichloropropane	10.636	75	83878	19.452	ug/l #	41
78) n-propylbenzene	10.909	91	3398	0.253	ug/l	93
79) 2-Chlorotoluene	10.909	91	3398	0.404	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.636	75	83878	53.983	ug/l #	9
82) 4-Chlorotoluene	10.909	91	3398	0.357	ug/l #	47
84) 1,2,4-Trimethylbenzene	11.472	105	4952	0.519	ug/l	100

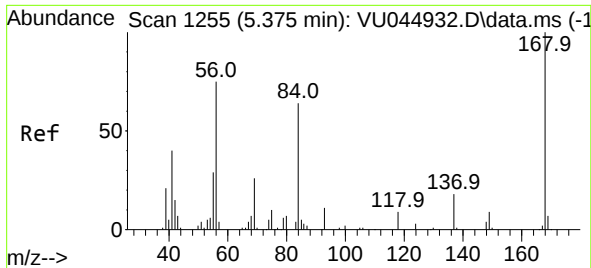
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 01 05:41:28 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

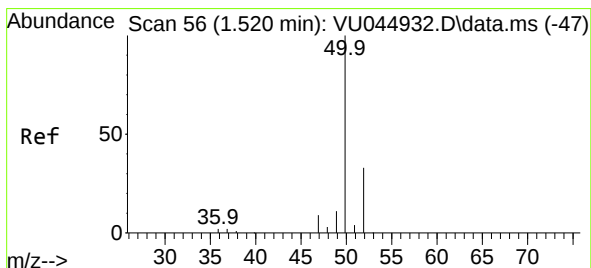
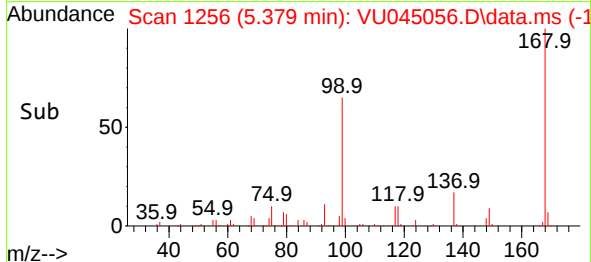
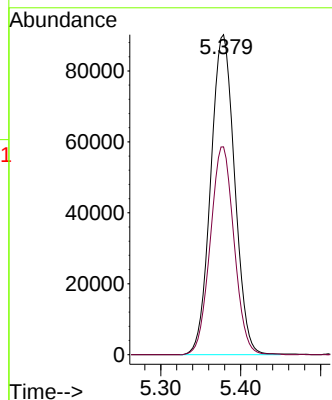
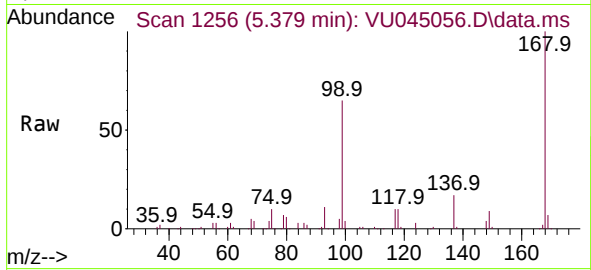




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.004 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

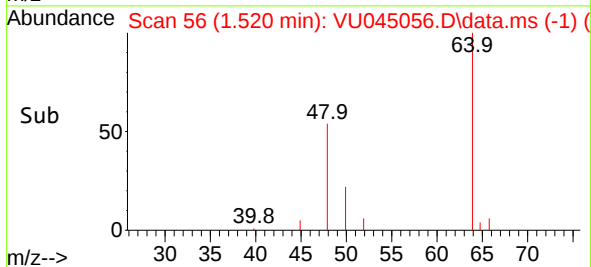
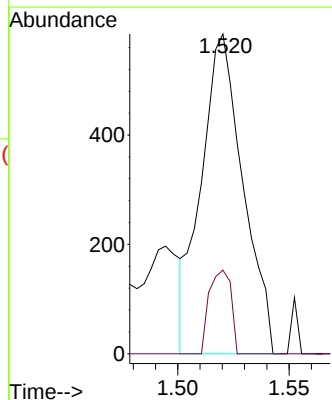
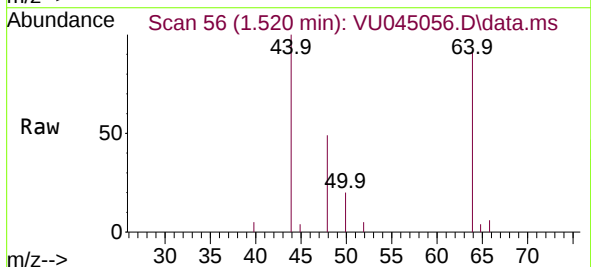
Instrument :
MSVOA_U
ClientSampled :

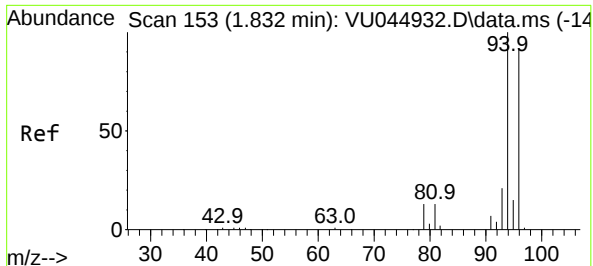
Tgt Ion:168 Resp: 187204
Ion Ratio Lower Upper
168 100
99 64.9 51.4 77.0



#3
Chloromethane
Concen: 0.254 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

Tgt Ion: 50 Resp: 764
Ion Ratio Lower Upper
50 100
52 26.2 26.3 39.5#

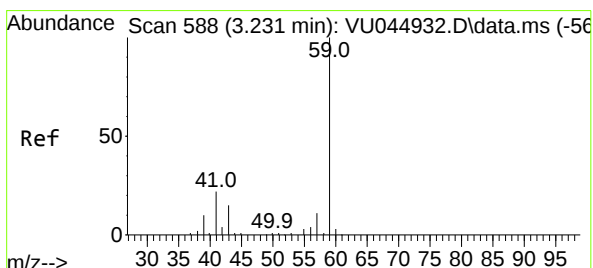
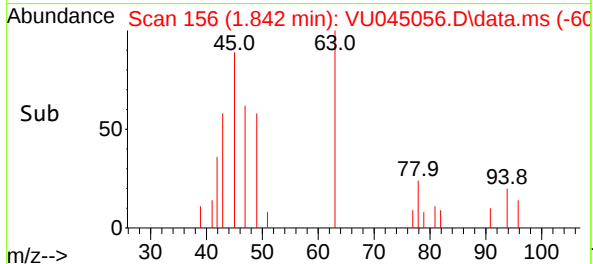
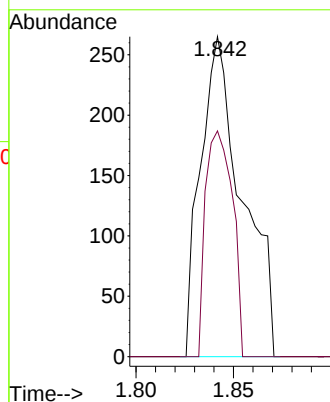
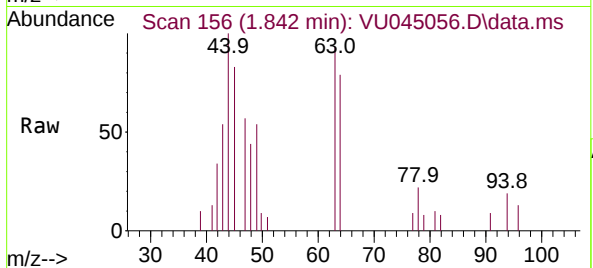




#5
Bromomethane
Concen: 0.337 ug/l
RT: 1.842 min Scan# 156
Delta R.T. 0.010 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

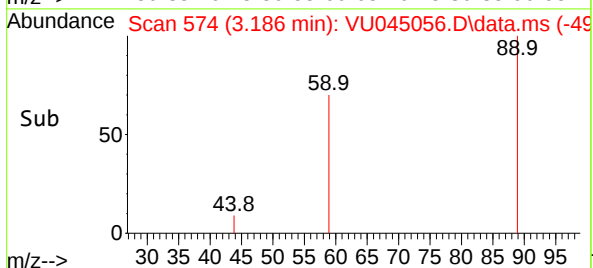
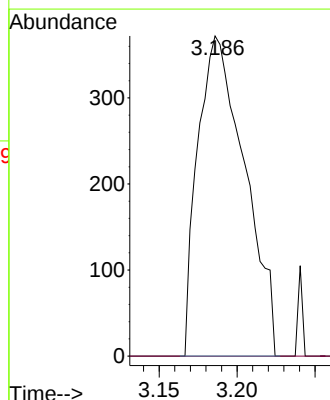
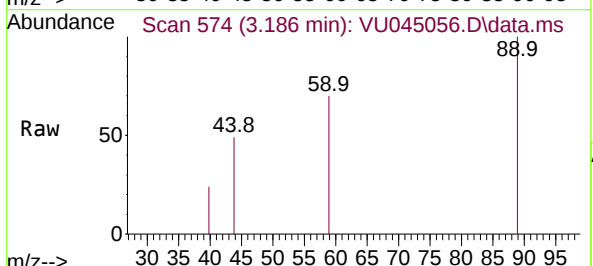
Instrument :
MSVOA_U
ClientSampled :

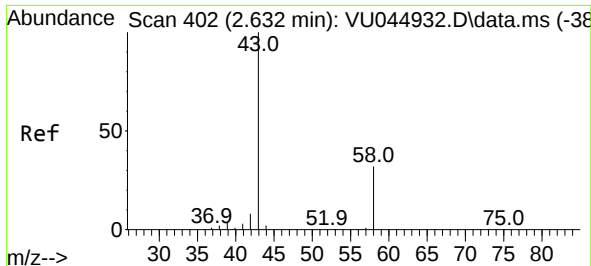
Tgt Ion: 94 Resp: 396
Ion Ratio Lower Upper
94 100
96 70.6 74.5 111.7#



#11
Tert butyl alcohol
Concen: 0.870 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.045 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

Tgt Ion: 59 Resp: 778
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

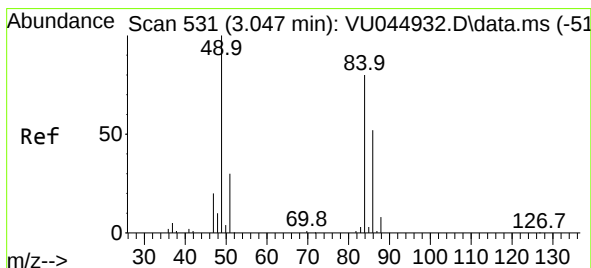
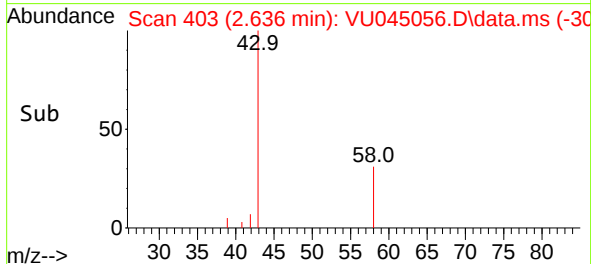
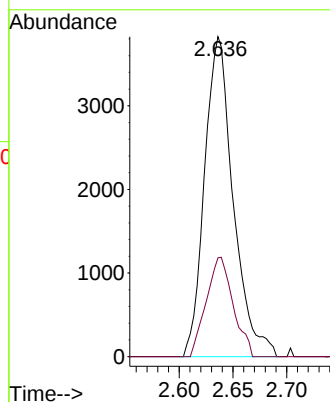
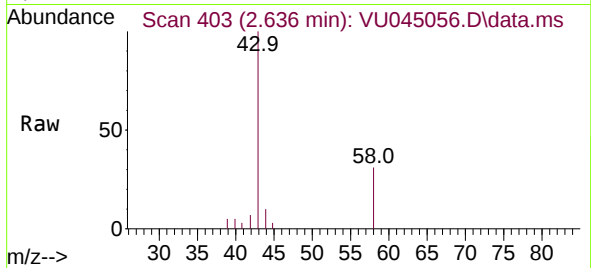




#16
Acetone
Concen: 3.835 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.004 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

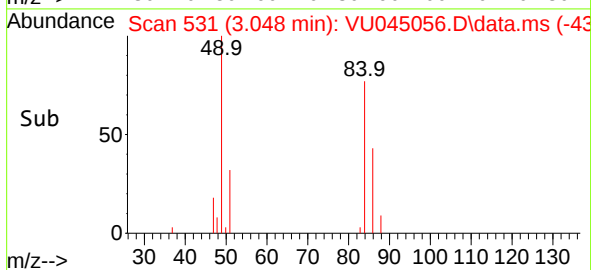
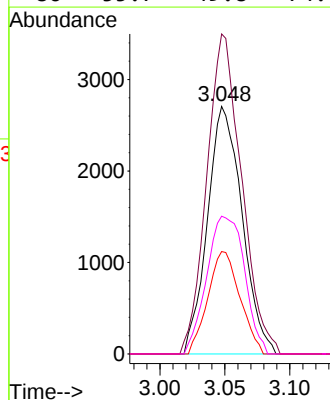
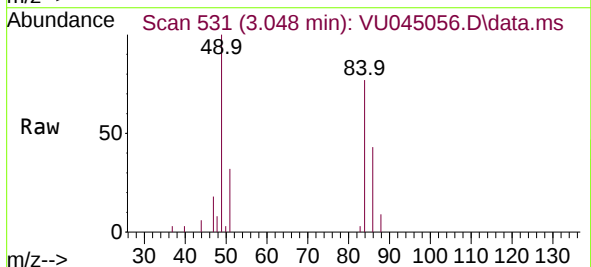
Instrument :
MSVOA_U
ClientSampled :

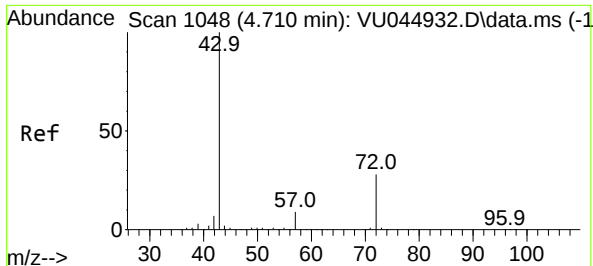
Tgt Ion: 43 Resp: 7094
Ion Ratio Lower Upper
43 100
58 30.9 25.2 37.8



#20
Methylene Chloride
Concen: 1.799 ug/l
RT: 3.048 min Scan# 531
Delta R.T. 0.001 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

Tgt Ion: 84 Resp: 5012
Ion Ratio Lower Upper
84 100
49 129.3 104.9 157.3
51 41.4 31.8 47.8
86 55.7 49.8 74.6

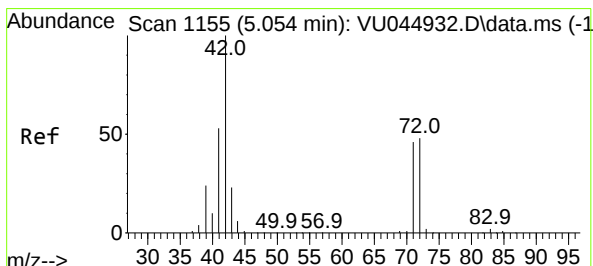
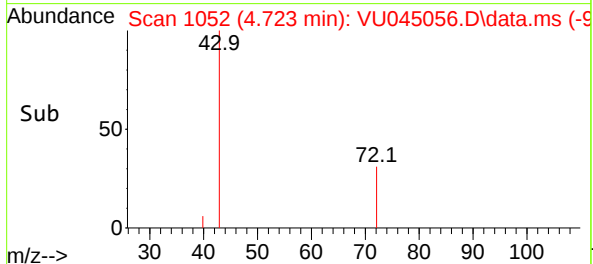
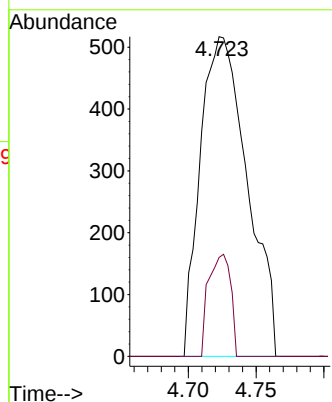
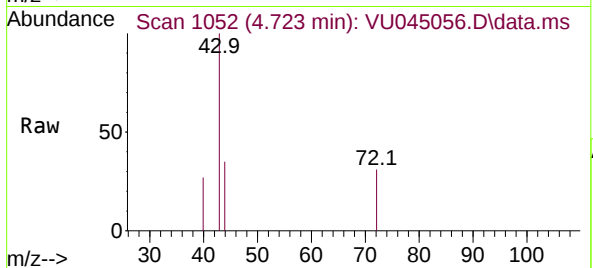




#25
2-Butanone
Concen: 0.475 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

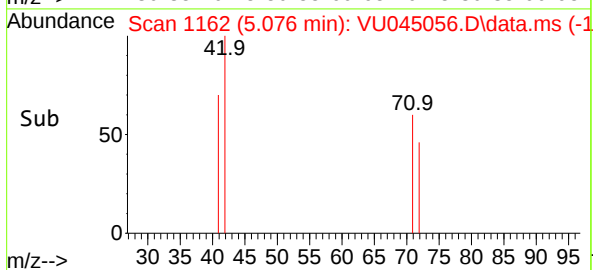
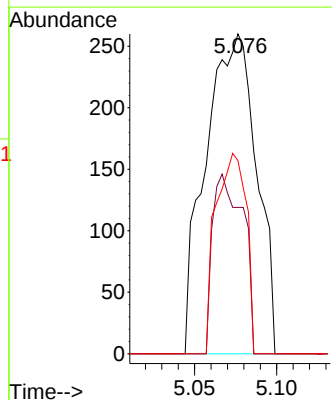
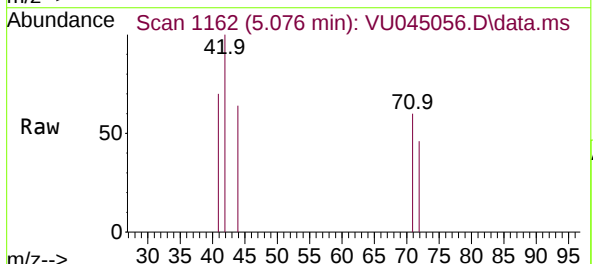
Instrument :
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ClientSampled :

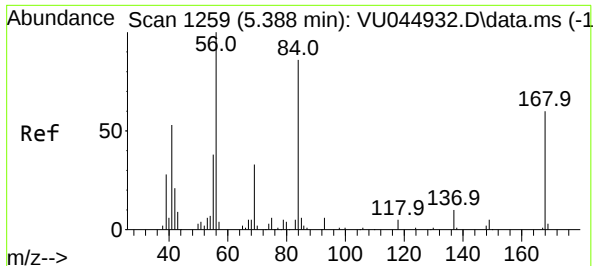
Tgt Ion: 43 Resp: 1248
Ion Ratio Lower Upper
43 100
72 30.9 21.3 31.9



#29
Tetrahydrofuran
Concen: 0.358 ug/l
RT: 5.076 min Scan# 1162
Delta R.T. 0.022 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

Tgt Ion: 42 Resp: 560
Ion Ratio Lower Upper
42 100
72 33.6 36.2 54.4#
71 37.3 34.1 51.1

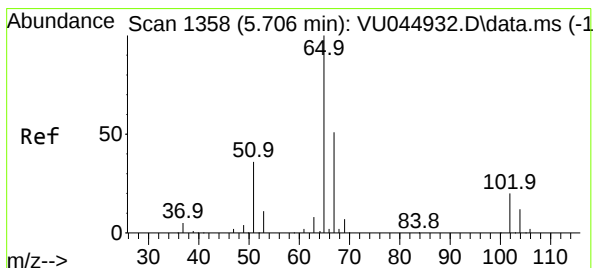
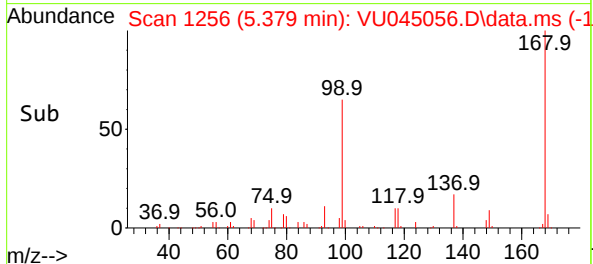
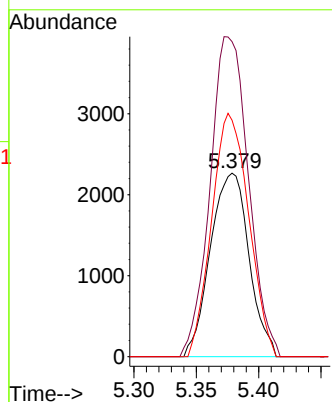
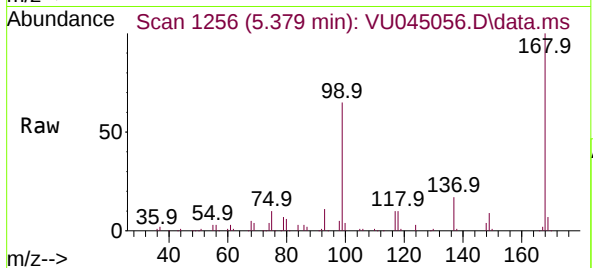




#31
Cyclohexane
Concen: 1.031 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.009 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

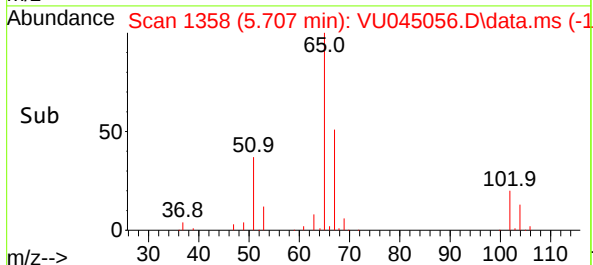
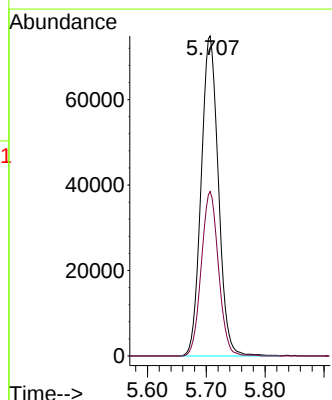
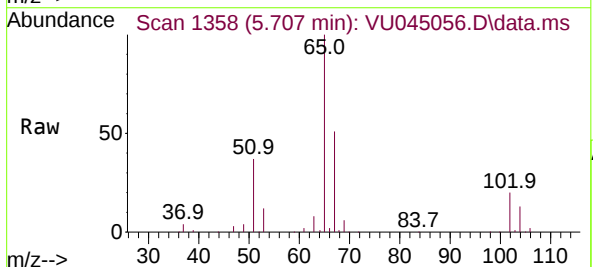
Instrument :
MSVOA_U
ClientSampleId :

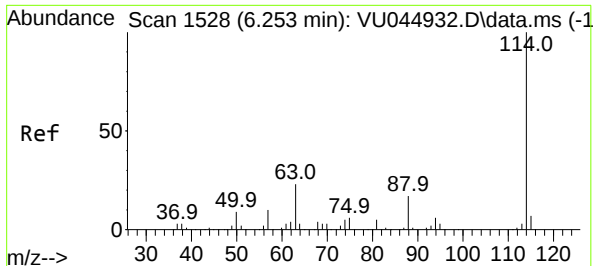
Tgt Ion: 56 Resp: 4882
Ion Ratio Lower Upper
56 100
69 171.7 25.2 37.8#
84 128.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.845 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.001 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

Tgt Ion: 65 Resp: 152214
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.8

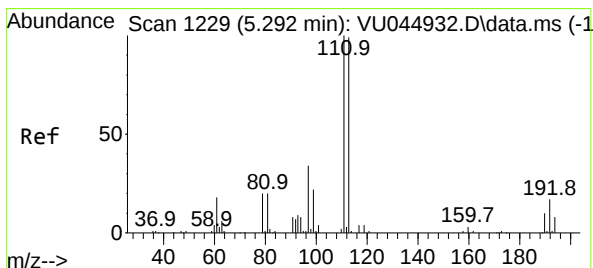
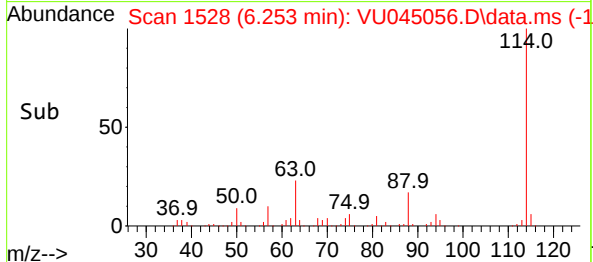
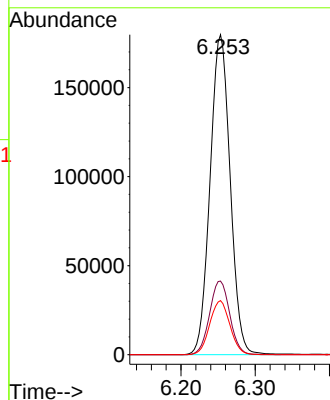
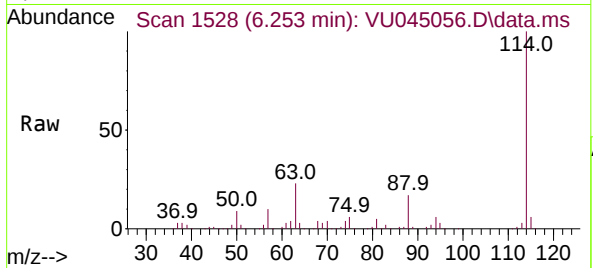




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

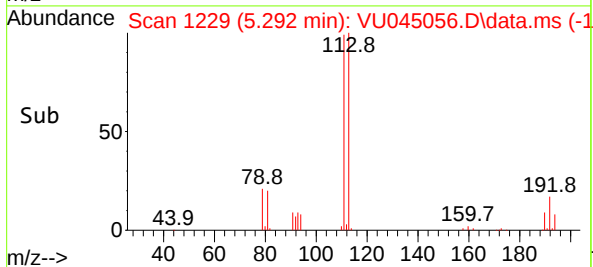
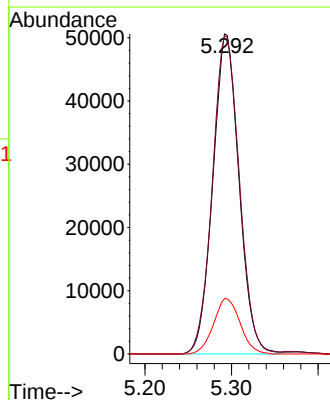
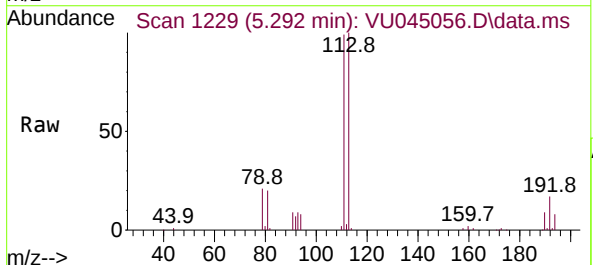
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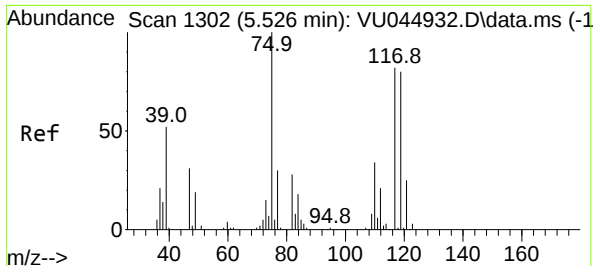
Tgt Ion:114 Resp: 337508
Ion Ratio Lower Upper
114 100
63 23.0 0.0 47.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.788 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

Tgt Ion:113 Resp: 106005
Ion Ratio Lower Upper
113 100
111 102.5 84.1 126.1
192 17.7 14.8 22.2

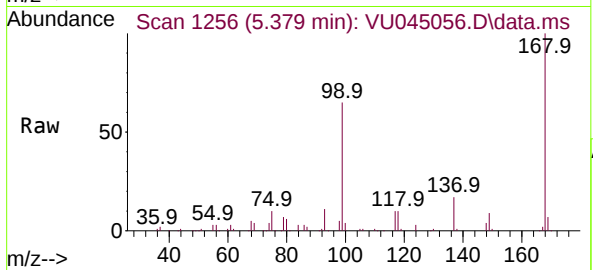




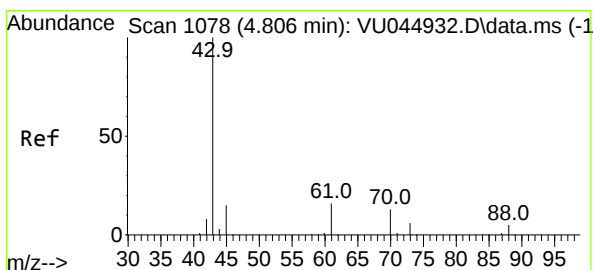
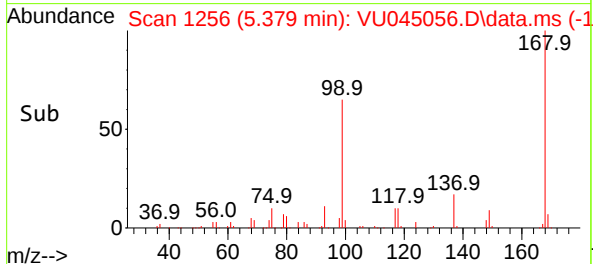
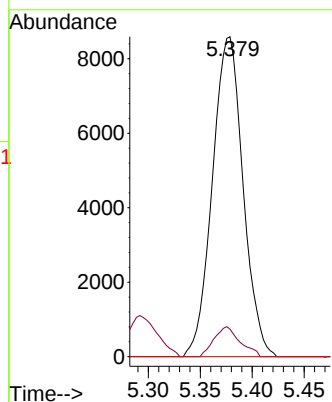
#36

1,1-Dichloropropene
Concen: 4.994 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.147 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

Instrument :
MSVOA_U
ClientSampled :

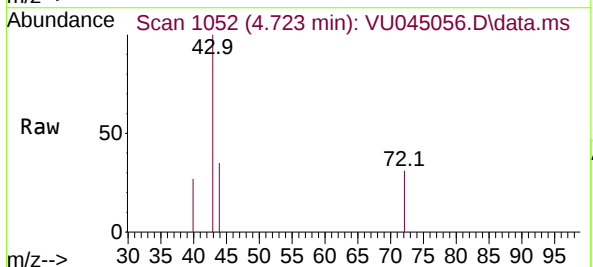


Tgt Ion:	75	Resp:	17628
Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.3	48.9#
77	0.0	25.0	37.4#

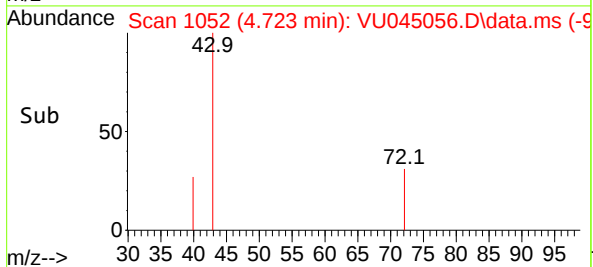
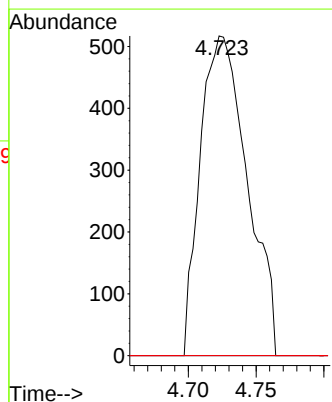


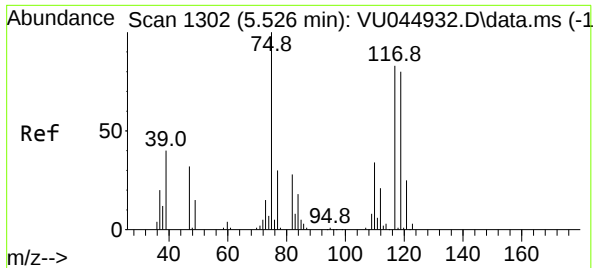
#37

Ethyl Acetate
Concen: 0.267 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. -0.083 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47



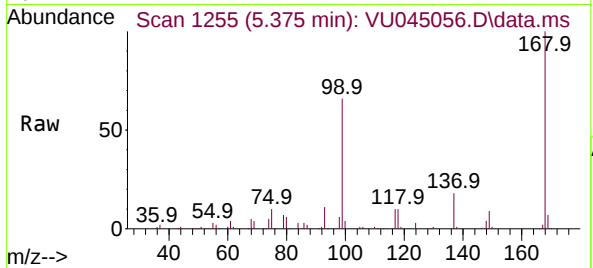
Tgt Ion:	43	Resp:	1248
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#



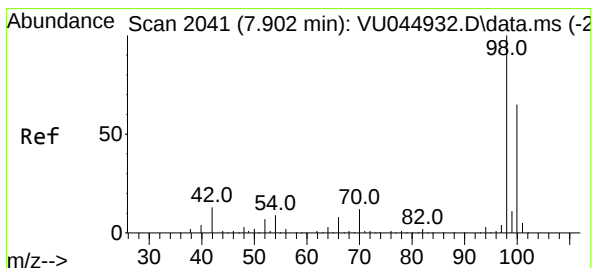
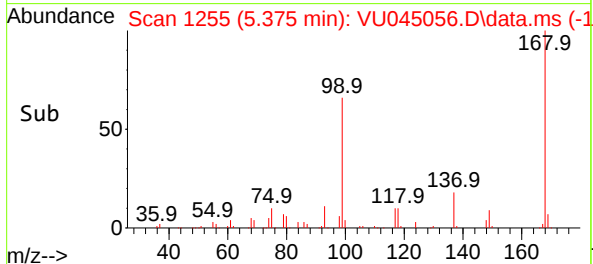
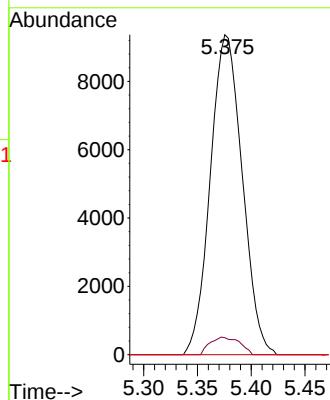


#38
Carbon Tetrachloride
Concen: 6.326 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

Instrument :
MSVOA_U
ClientSampled :

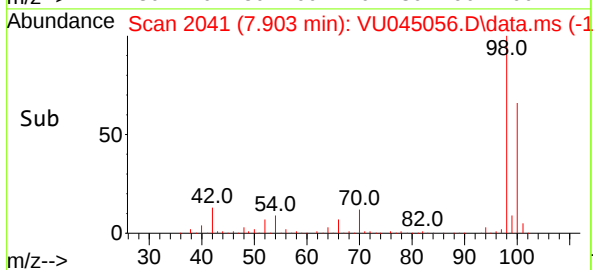
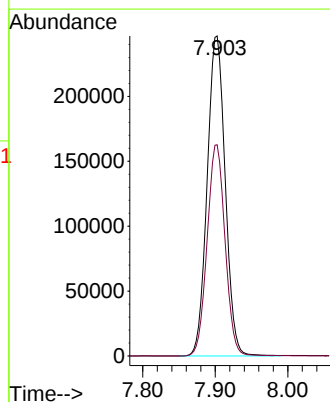
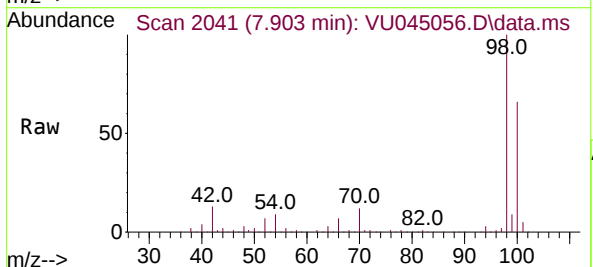


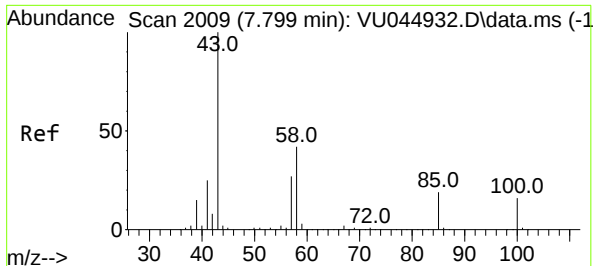
Tgt Ion:117 Resp: 19322
Ion Ratio Lower Upper
117 100
119 5.3 77.4 116.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.713 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

Tgt Ion: 98 Resp: 426619
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7

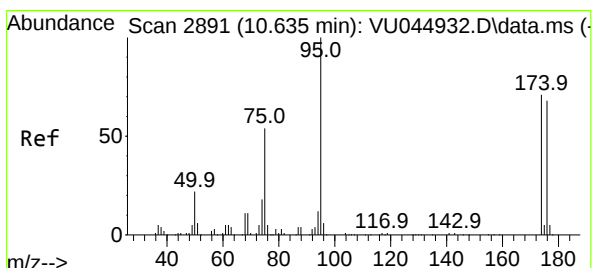
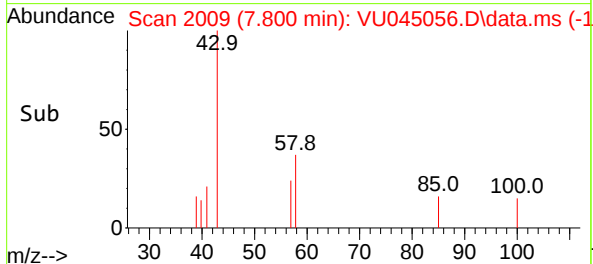
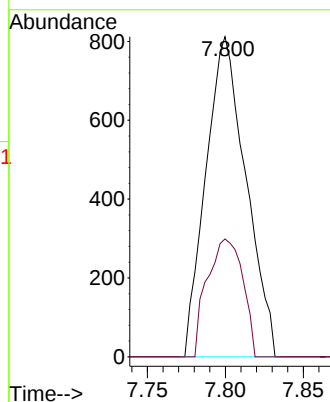
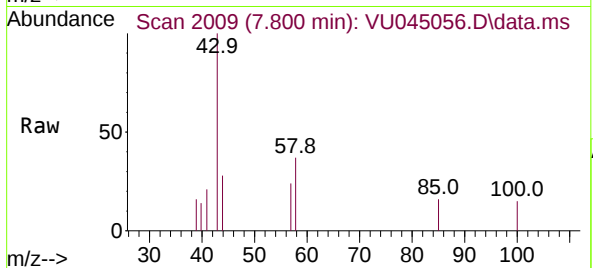




#51
4-Methyl-2-Pentanone
Concen: 0.283 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.001 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

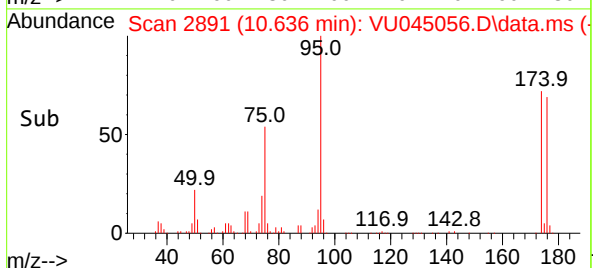
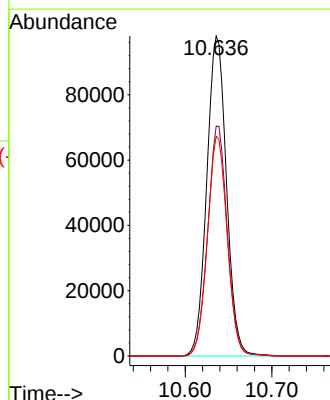
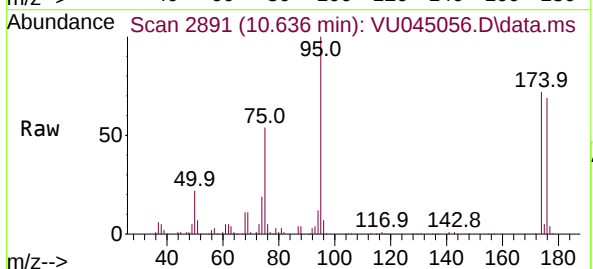
Instrument :
MSVOA_U
ClientSampled :

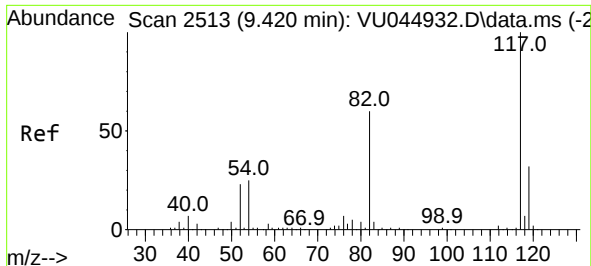
Tgt Ion: 43 Resp: 1450
Ion Ratio Lower Upper
43 100
58 32.6 32.4 48.6



#62
4-Bromofluorobenzene
Concen: 44.563 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

Tgt Ion: 95 Resp: 154774
Ion Ratio Lower Upper
95 100
174 71.3 0.0 146.6
176 68.8 0.0 141.2

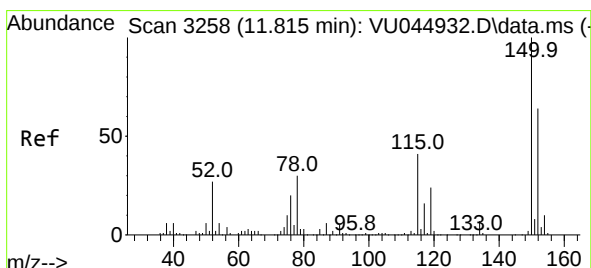
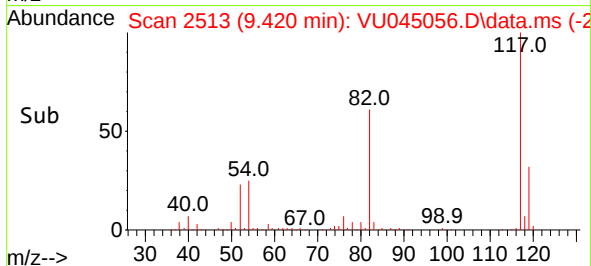
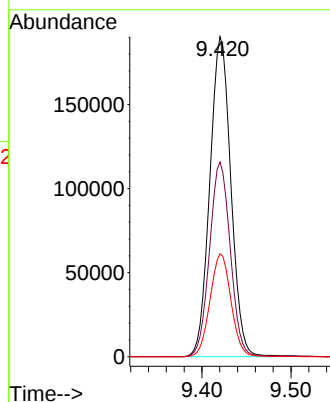
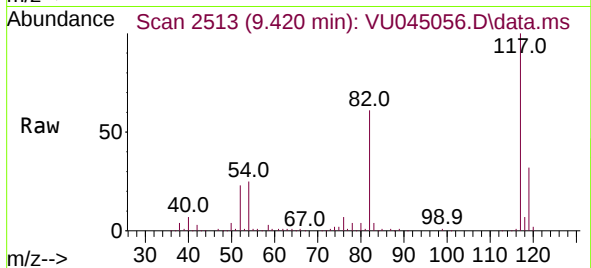




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

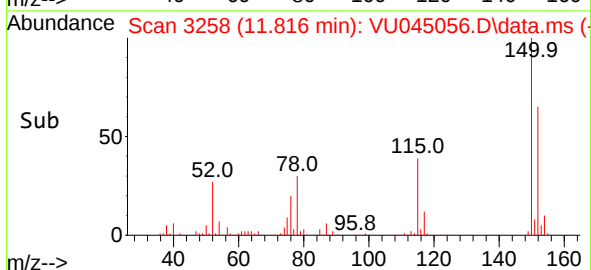
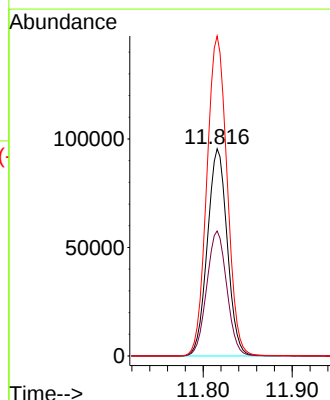
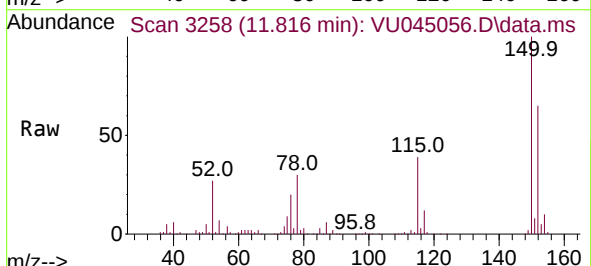
Instrument :
MSVOA_U
ClientSampleId :

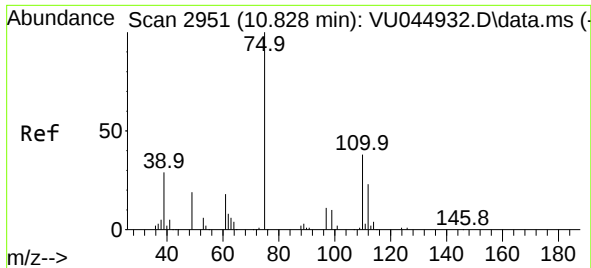
Tgt Ion:117 Resp: 311711
Ion Ratio Lower Upper
117 100
82 60.8 47.8 71.8
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.001 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

Tgt Ion:152 Resp: 147833
Ion Ratio Lower Upper
152 100
115 61.1 43.5 130.7
150 157.6 0.0 350.0

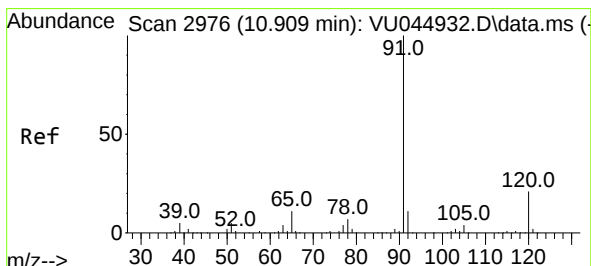
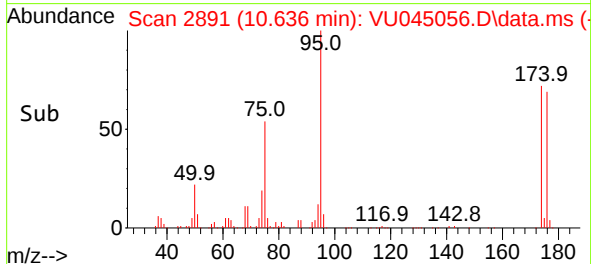
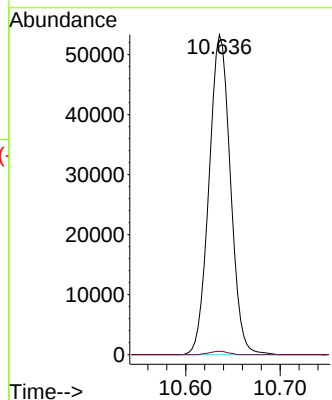
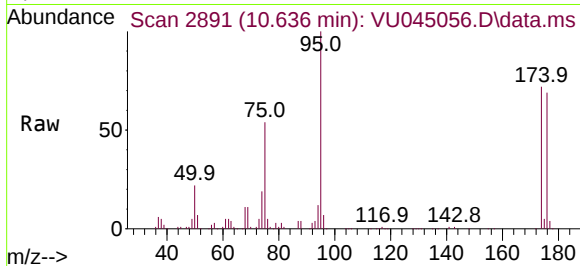




#76
1,2,3-Trichloropropane
Concen: 19.452 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.192 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

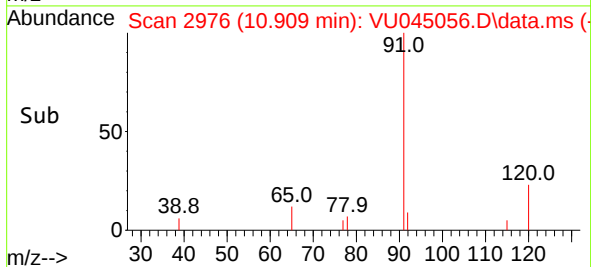
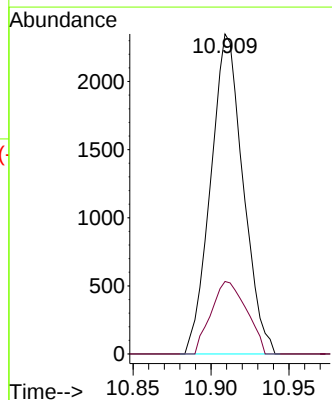
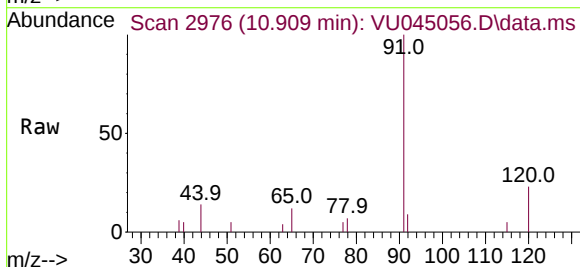
Instrument :
MSVOA_U
ClientSampled :

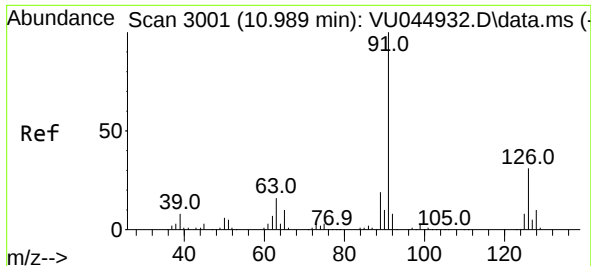
Tgt Ion: 75 Resp: 83878
Ion Ratio Lower Upper
75 100
77 0.9 17.9 53.7#



#78
n-propylbenzene
Concen: 0.253 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.000 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

Tgt Ion: 91 Resp: 3398
Ion Ratio Lower Upper
91 100
120 24.7 10.8 32.4

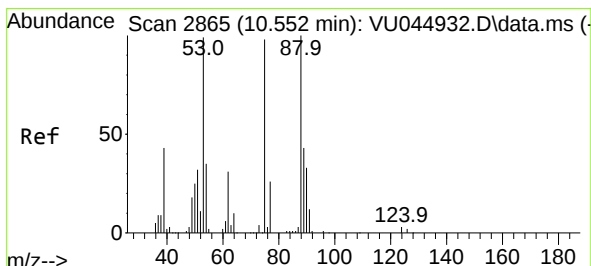
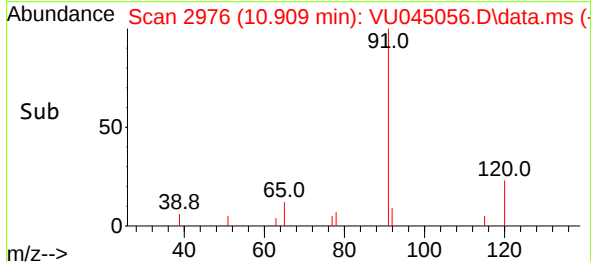
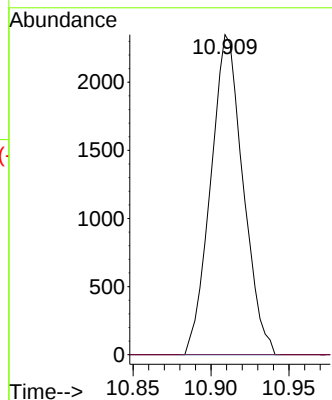
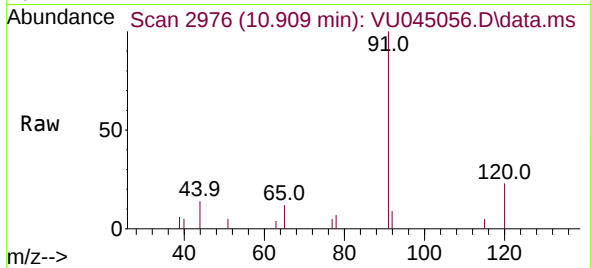




#79
2-Chlorotoluene
Concen: 0.404 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.080 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

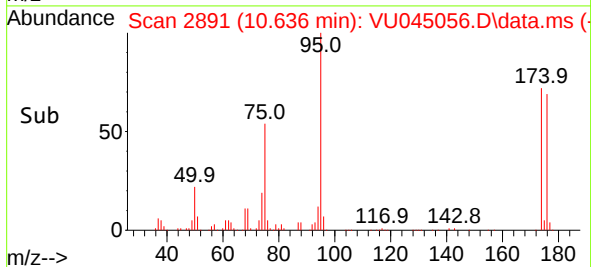
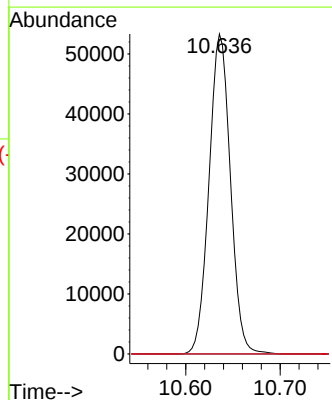
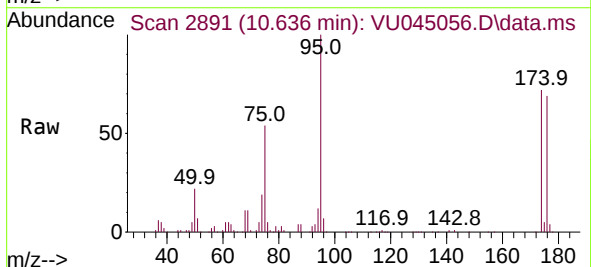
Instrument :
MSVOA_U
ClientSampled :

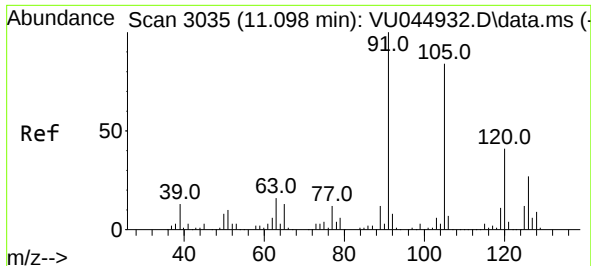
Tgt Ion: 91 Resp: 3398
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.983 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

Tgt Ion: 75 Resp: 83878
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

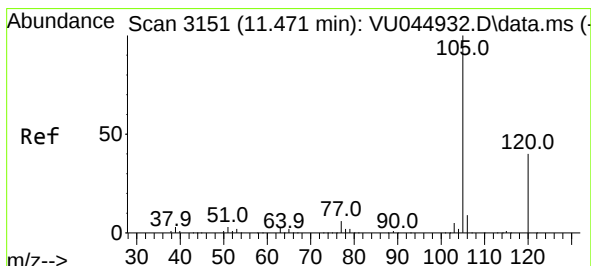
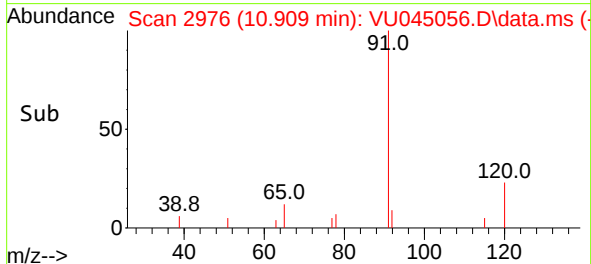
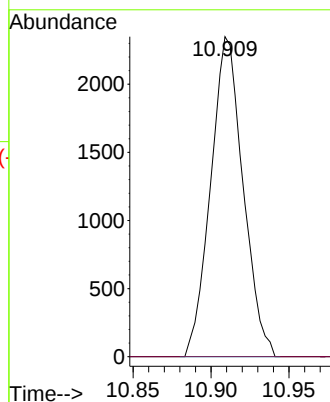
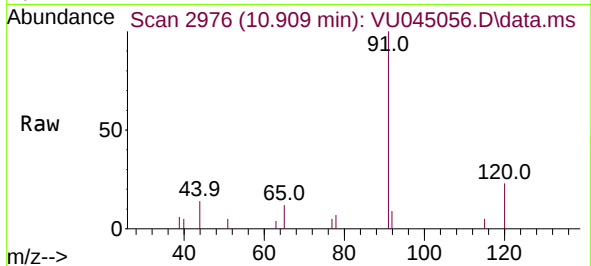




#82
4-Chlorotoluene
Concen: 0.357 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.189 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 91 Resp: 3398
Ion Ratio Lower Upper
91 100
126 0.0 13.8 41.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.519 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.001 min
Lab File: VU045056.D
Acq: 30 Sep 2021 18:47

Tgt Ion: 105 Resp: 4952
Ion Ratio Lower Upper
105 100
120 44.7 22.4 67.3

