

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102521\
 Data File : VU045394.D
 Acq On : 25 Oct 2021 19:26
 Operator : SY/MD
 Sample : M4330-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 04:46:27 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)

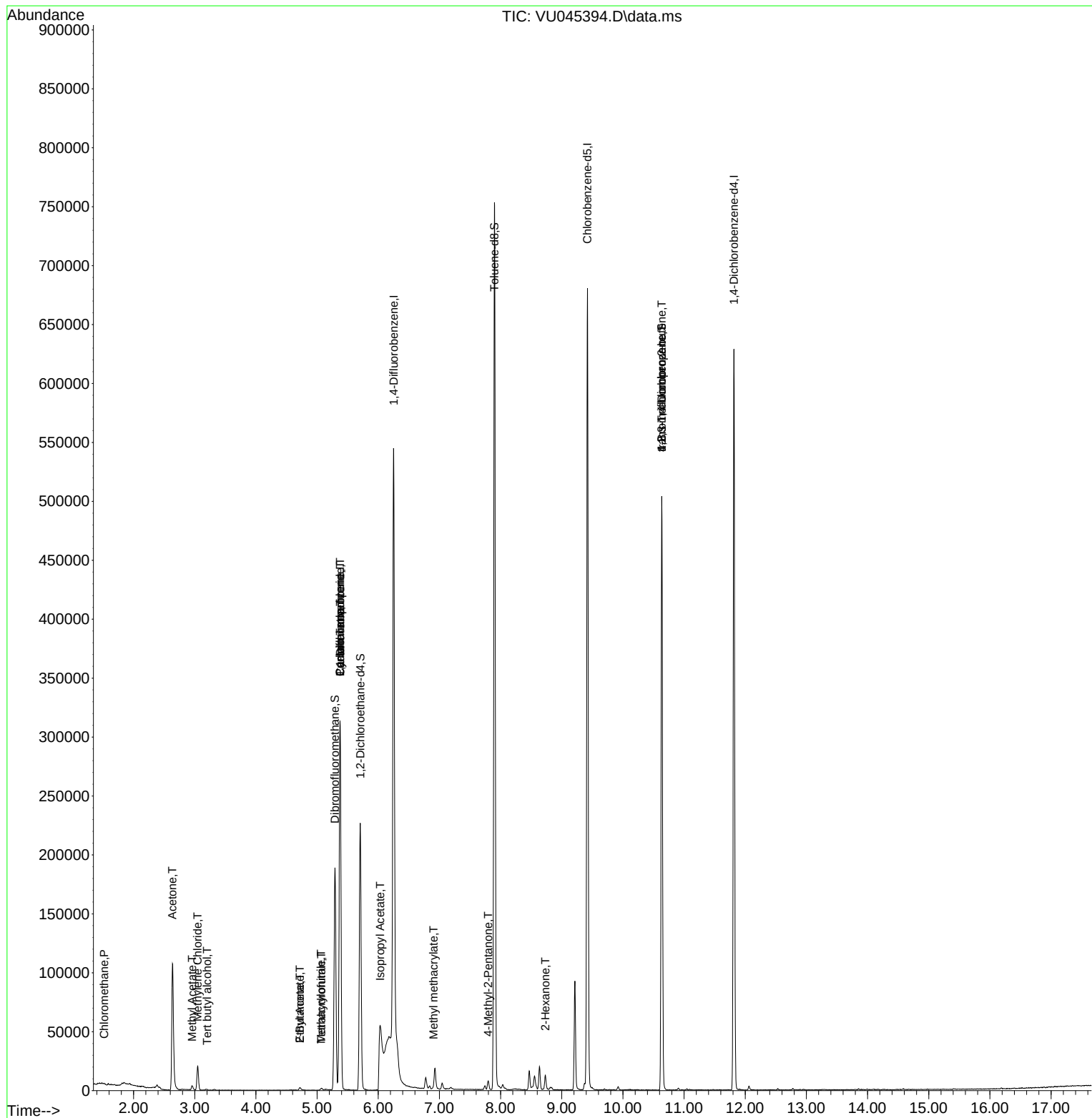
Internal Standards						
1) Pentafluorobenzene	5.375	168	209395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	395860	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	361919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	156307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	169485	48.624	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.240%		
35) Dibromofluoromethane	5.292	113	122084	48.888	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.780%		
50) Toluene-d8	7.899	98	490319	49.693	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.380%		
62) 4-Bromofluorobenzene	10.636	95	171928	42.205	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.420%		
Target Compounds						Qvalue
3) Chloromethane	1.520	50	724	0.216	ug/l	94
11) Tert butyl alcohol	3.202	59	694	0.694	ug/l #	72
16) Acetone	2.636	43	137494	66.454	ug/l	97
18) Methyl Acetate	2.954	43	4535	0.750	ug/l	100
20) Methylene Chloride	3.047	84	9558	3.067	ug/l	96
25) 2-Butanone	4.719	43	4170	1.419	ug/l	94
29) Tetrahydrofuran	5.070	42	1101	0.629	ug/l #	78
31) Cyclohexane	5.375	56	4945	0.934	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	18930	4.573	ug/l #	50
37) Ethyl Acetate	4.719	43	4170	0.761	ug/l #	69
38) Carbon Tetrachloride	5.375	117	21611	6.033	ug/l #	16
41) Methacrylonitrile	5.067	41	704	0.250	ug/l #	39
43) Isopropyl Acetate	6.031	43	73103	8.871	ug/l #	62
48) Methyl methacrylate	6.906	41	2617	0.652	ug/l #	14
51) 4-Methyl-2-Pentanone	7.796	43	5363	0.894	ug/l	97
59) 2-Hexanone	8.732	43	1872	0.383	ug/l #	46
76) 1,2,3-Trichloropropane	10.636	75	88968	19.514	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	88968	54.155	ug/l #	9

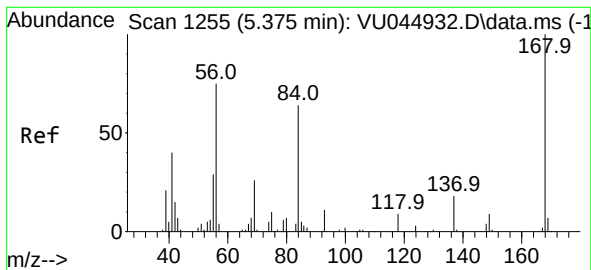
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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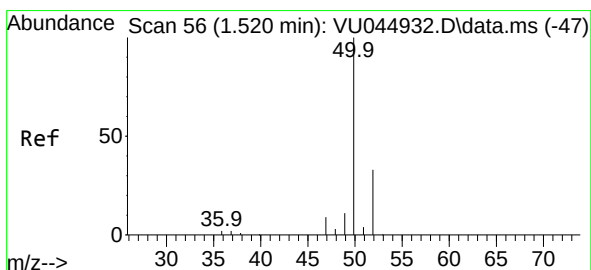
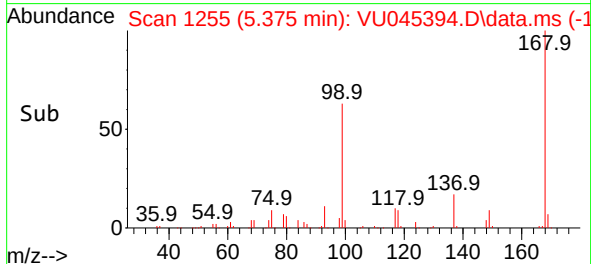
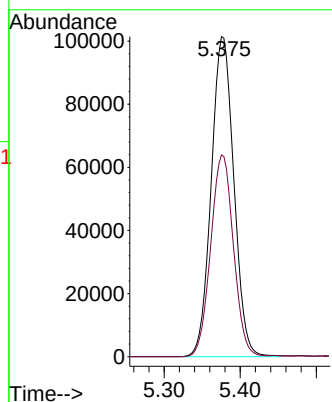
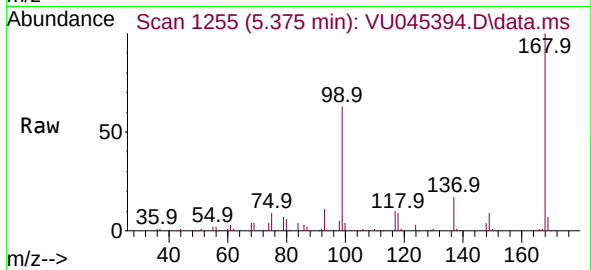




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

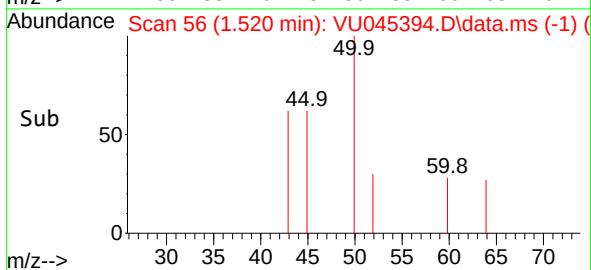
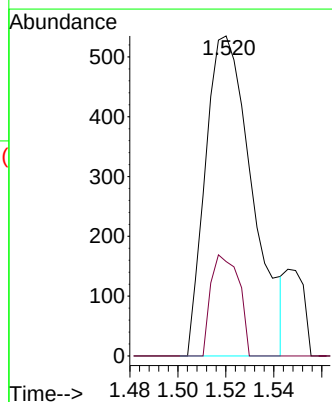
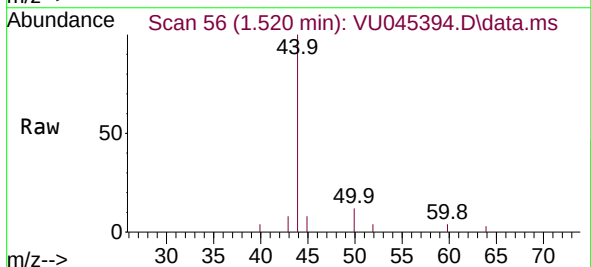
Instrument :
MSVOA_U
ClientSampled :

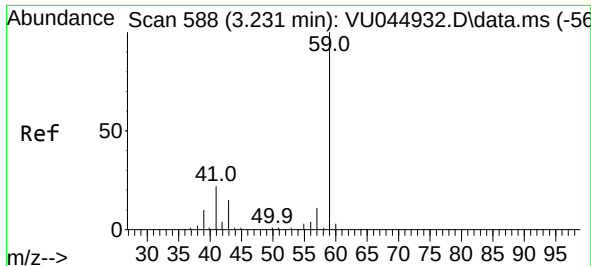
Tgt Ion:168 Resp: 209395
Ion Ratio Lower Upper
168 100
99 63.1 51.4 77.0



#3
Chloromethane
Concen: 0.216 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

Tgt Ion: 50 Resp: 724
Ion Ratio Lower Upper
50 100
52 29.5 26.3 39.5

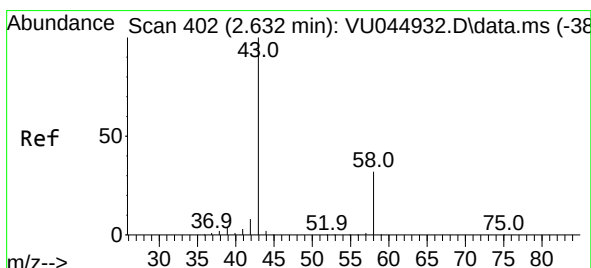
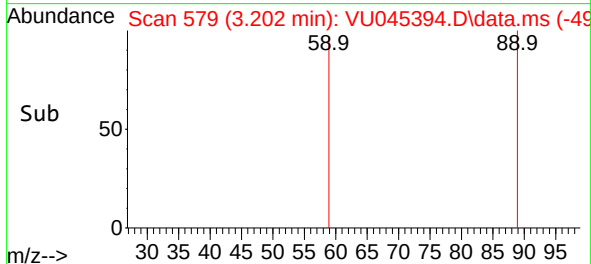
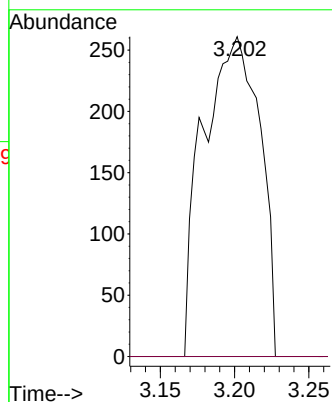
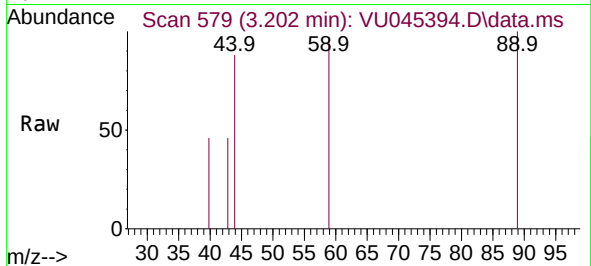




#11
Tert butyl alcohol
Concen: 0.694 ug/l
RT: 3.202 min Scan# 579
Delta R.T. -0.029 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

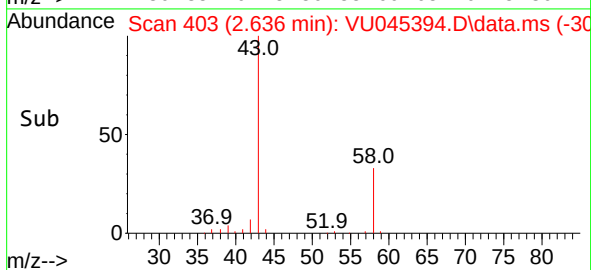
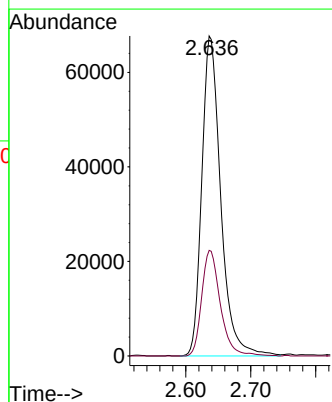
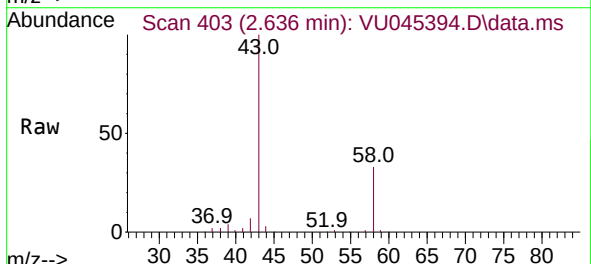
Instrument :
MSVOA_U
ClientSampled :

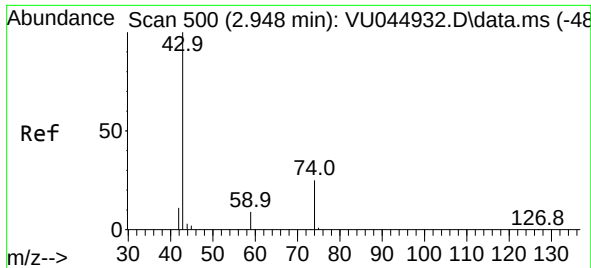
Tgt Ion: 59 Resp: 694
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 66.454 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.004 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

Tgt Ion: 43 Resp: 137494
Ion Ratio Lower Upper
43 100
58 33.0 25.2 37.8

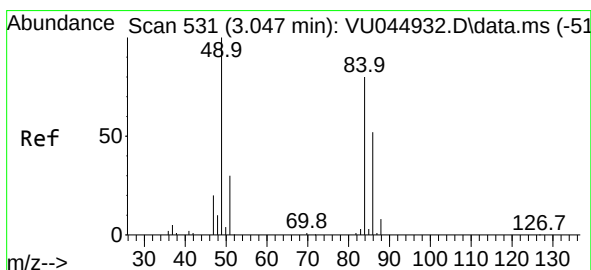
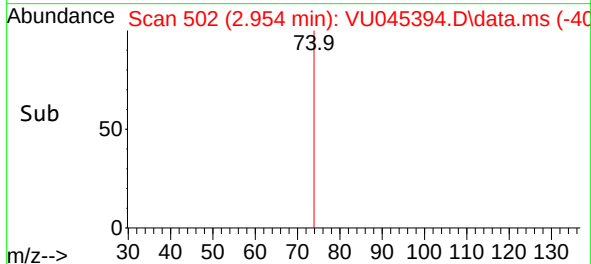
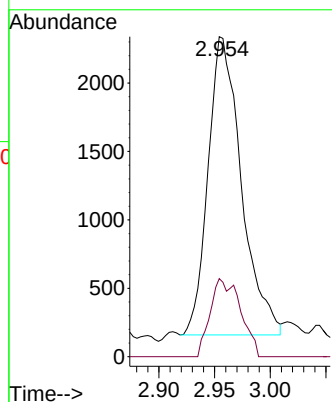
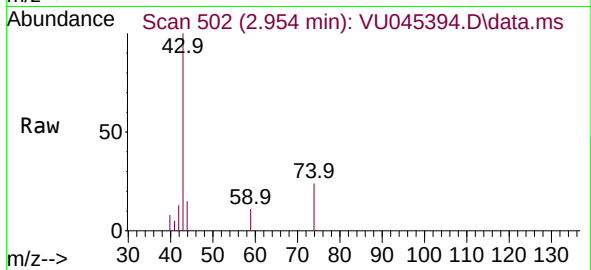




#18
Methyl Acetate
Concen: 0.750 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.006 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

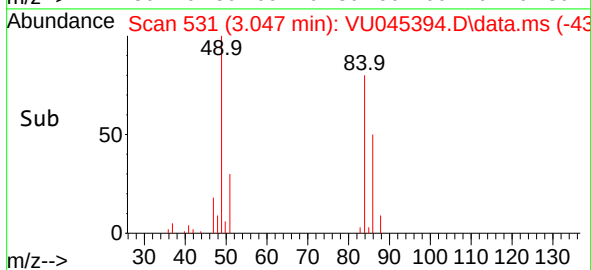
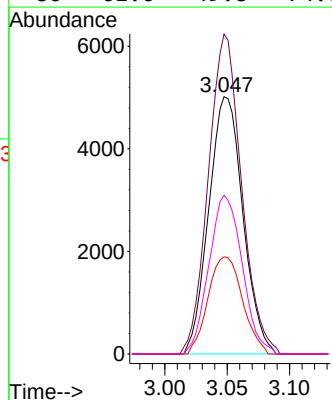
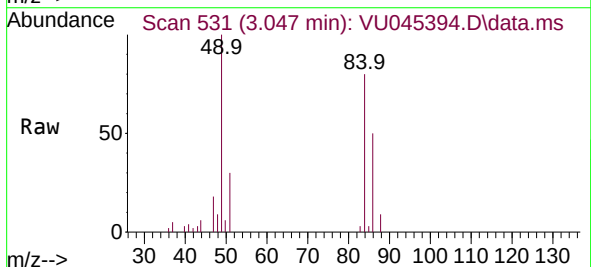
Instrument :
MSVOA_U
ClientSampled :

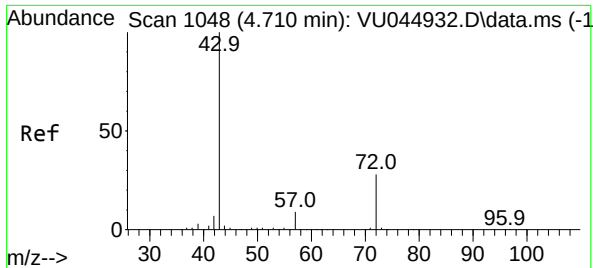
Tgt Ion: 43 Resp: 4535
Ion Ratio Lower Upper
43 100
74 23.8 19.0 28.6



#20
Methylene Chloride
Concen: 3.067 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

Tgt Ion: 84 Resp: 9558
Ion Ratio Lower Upper
84 100
49 124.4 104.9 157.3
51 37.8 31.8 47.8
86 61.6 49.8 74.6

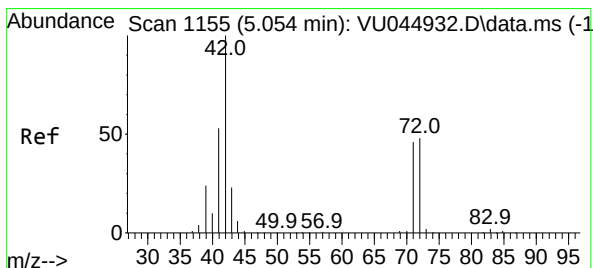
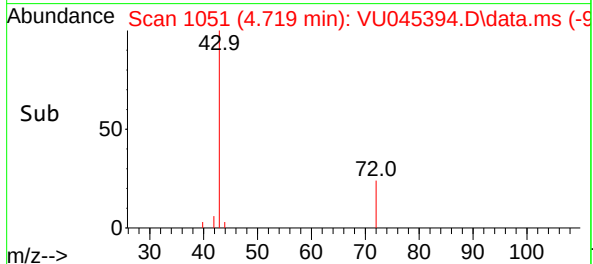
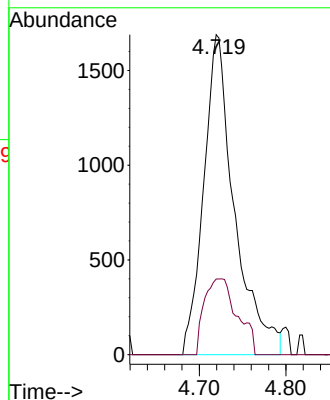
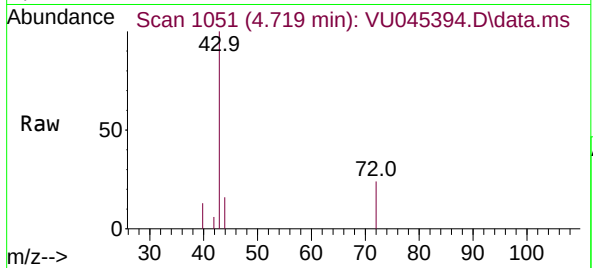




#25
2-Butanone
Concen: 1.419 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

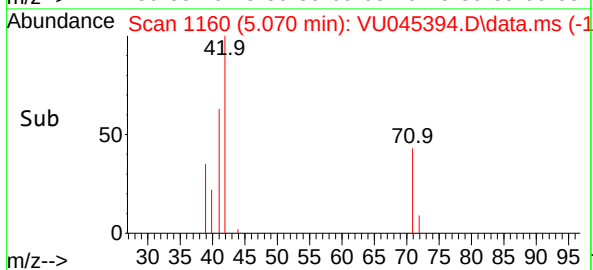
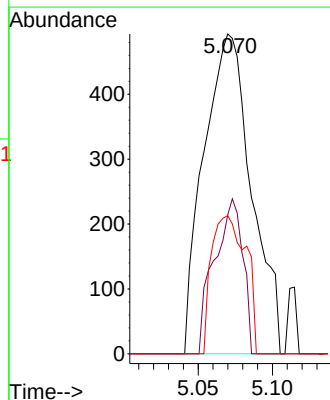
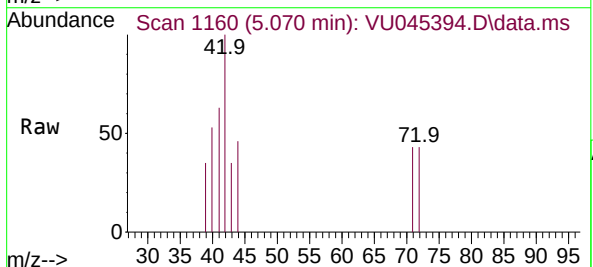
Instrument :
MSVOA_U
ClientSampled :

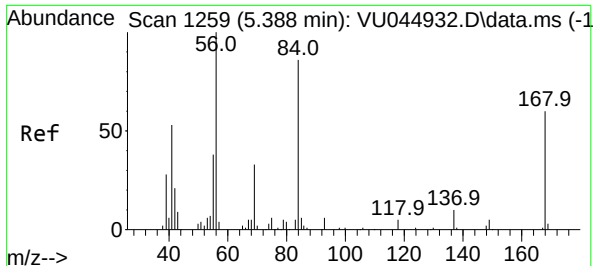
Tgt Ion: 43 Resp: 4170
Ion Ratio Lower Upper
43 100
72 23.6 21.3 31.9



#29
Tetrahydrofuran
Concen: 0.629 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.016 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

Tgt Ion: 42 Resp: 1101
Ion Ratio Lower Upper
42 100
72 28.9 36.2 54.4#
71 31.1 34.1 51.1#





#31

Cyclohexane

Concen: 0.934 ug/l

RT: 5.375 min Scan# 1255

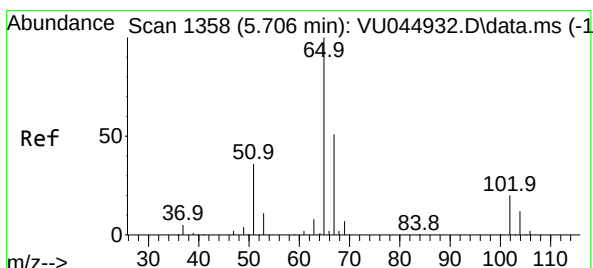
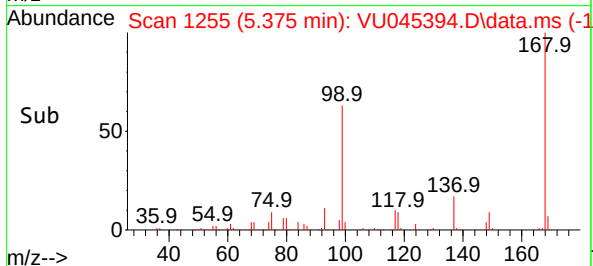
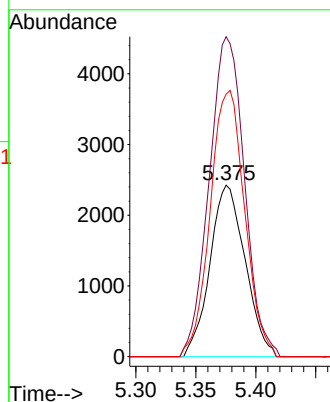
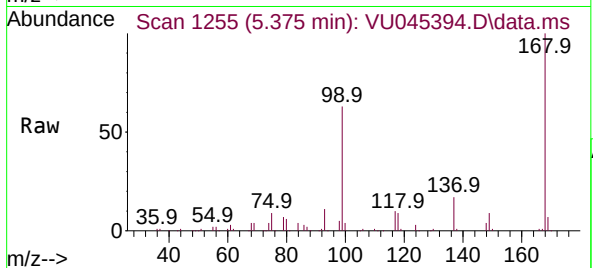
Delta R.T. -0.013 min

Lab File: VU045394.D

Acq: 25 Oct 2021 19:26

Tgt Ion:	56	Resp:	4945
Ion	Ratio	Lower	Upper
56	100		
69	186.5	25.2	37.8#
84	153.0	66.4	99.6#

Instrument :
MSVOA_U
ClientSampled :



#33

1,2-Dichloroethane-d4

Concen: 48.624 ug/l

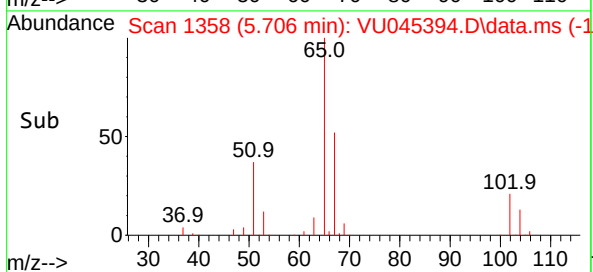
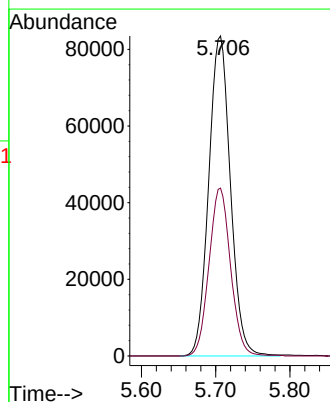
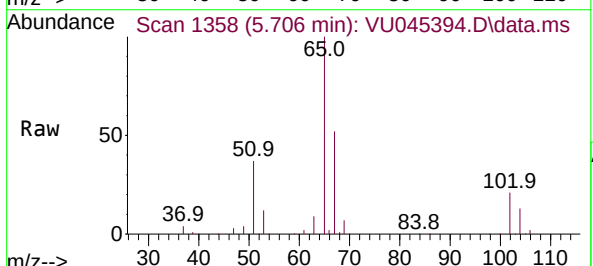
RT: 5.706 min Scan# 1358

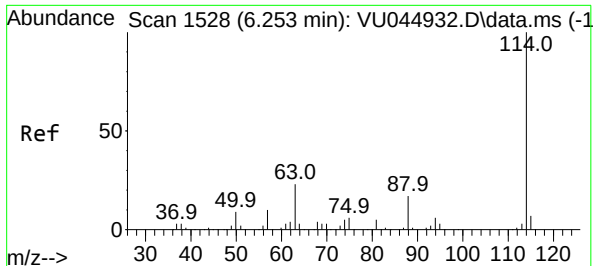
Delta R.T. 0.000 min

Lab File: VU045394.D

Acq: 25 Oct 2021 19:26

Tgt Ion:	65	Resp:	169485
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.8

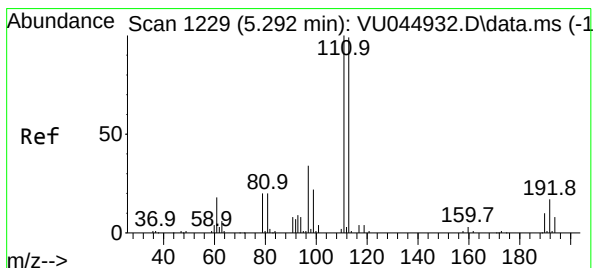
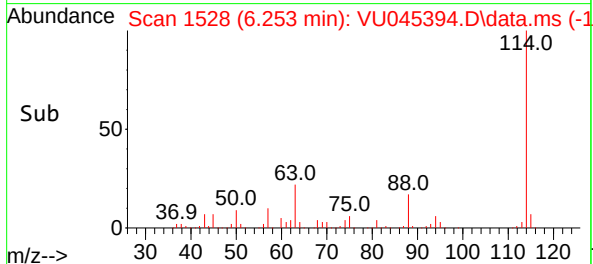
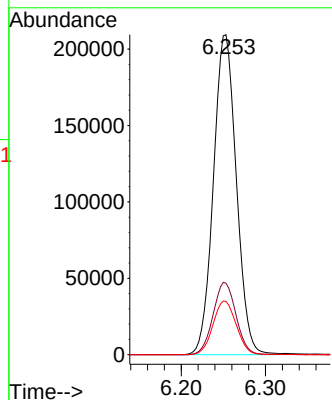
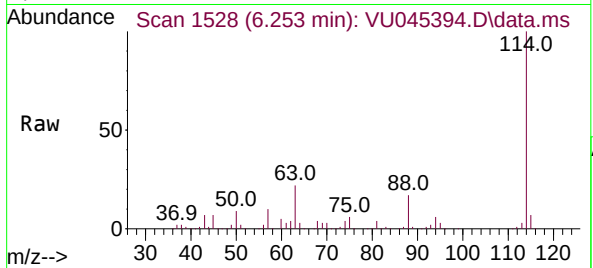




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

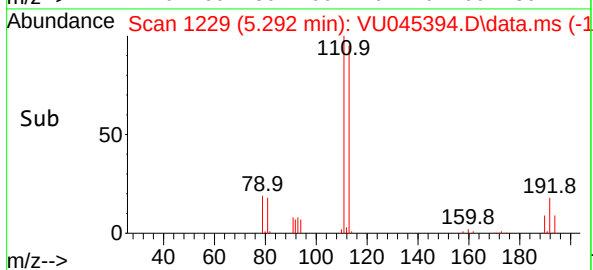
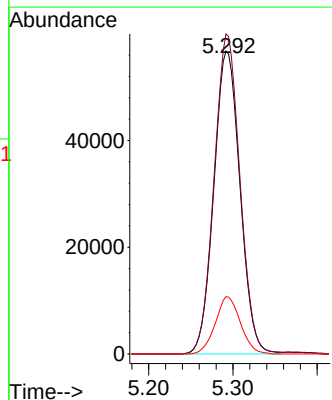
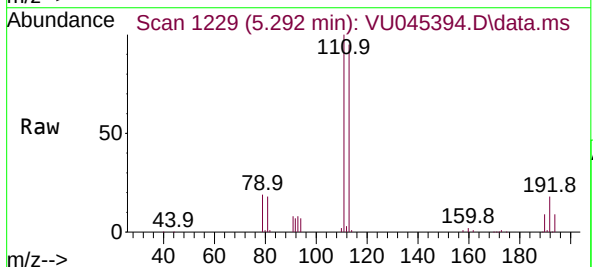
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MSVOA_U
ClientSampled :

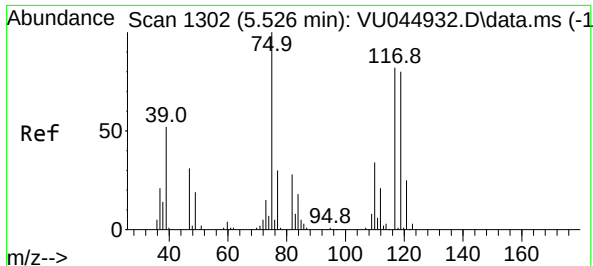
Tgt Ion:114 Resp: 395860
Ion Ratio Lower Upper
114 100
63 22.4 0.0 47.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.888 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

Tgt Ion:113 Resp: 122084
Ion Ratio Lower Upper
113 100
111 104.5 84.1 126.1
192 18.2 14.8 22.2



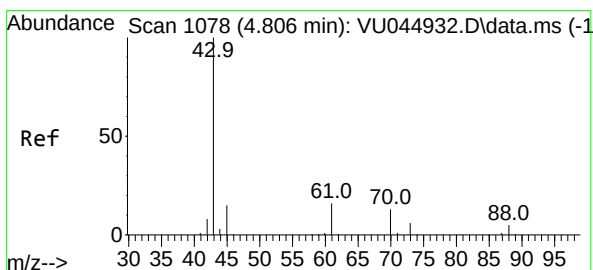
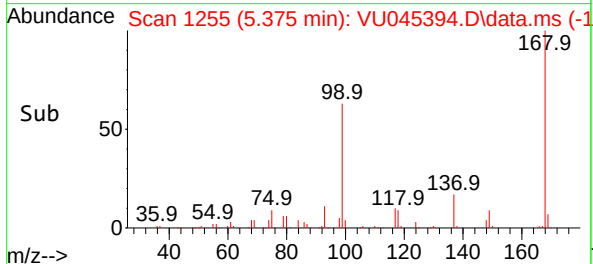
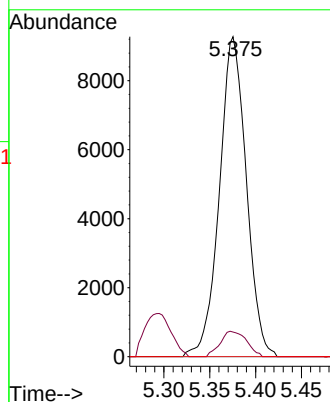
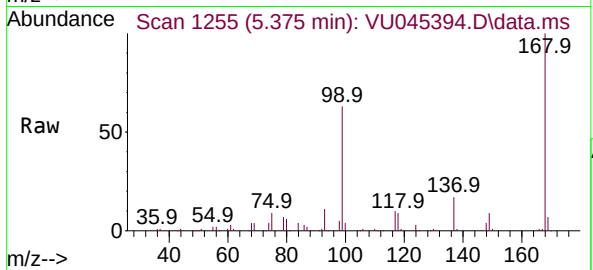


#36

1,1-Dichloropropene
Concen: 4.573 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

Instrument :
MSVOA_U
ClientSampled :

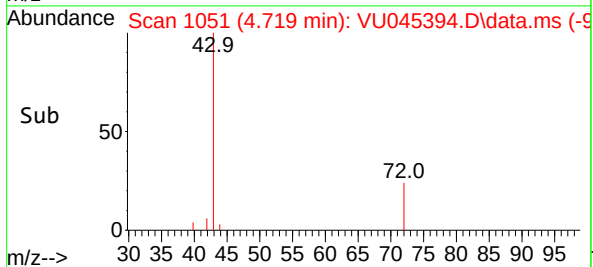
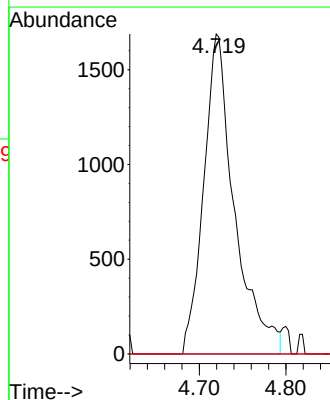
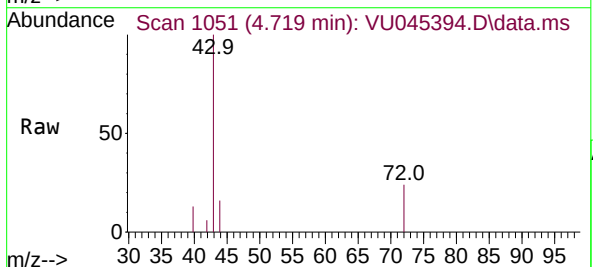
Tgt Ion: 75 Resp: 18930
Ion Ratio Lower Upper
75 100
110 7.8 16.3 48.9#
77 0.0 25.0 37.4#

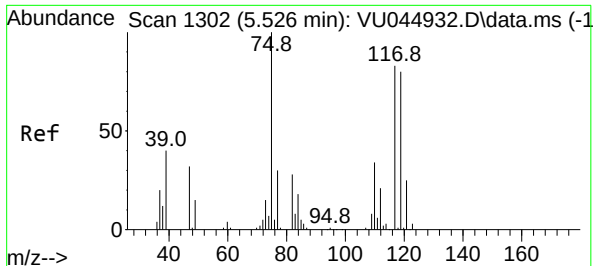


#37

Ethyl Acetate
Concen: 0.761 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. -0.087 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

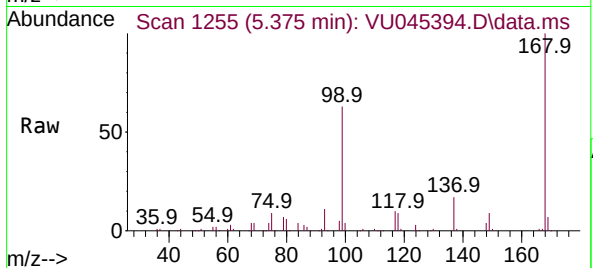
Tgt Ion: 43 Resp: 4170
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.2 12.4#



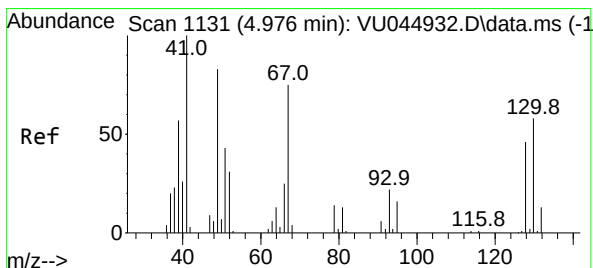
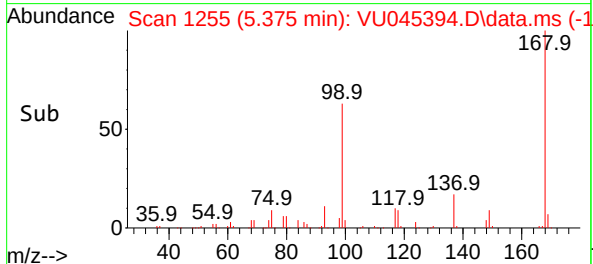
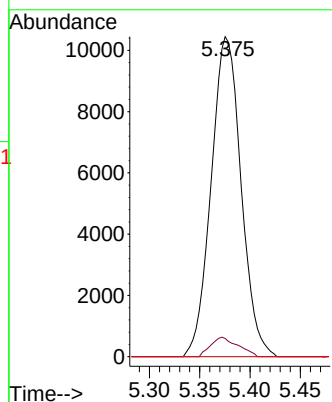


#38
Carbon Tetrachloride
Concen: 6.033 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

Instrument :
MSVOA_U
ClientSampled :

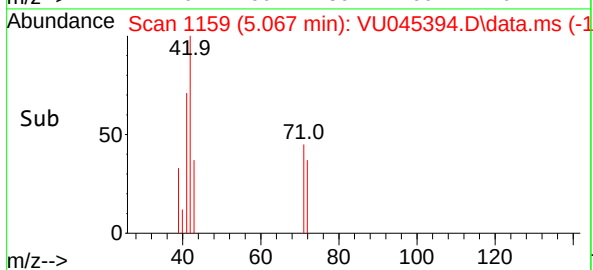
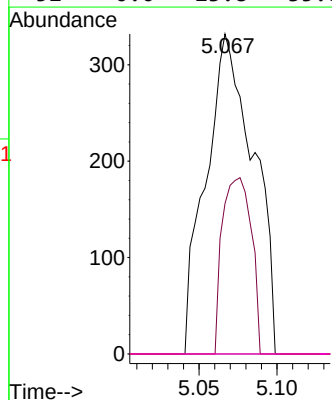
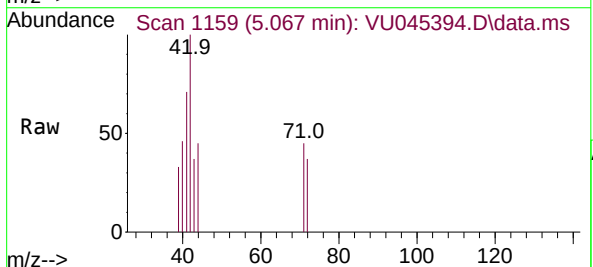


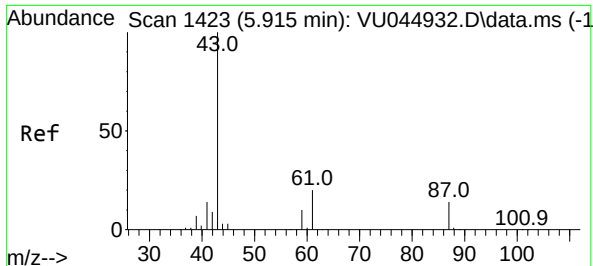
Tgt Ion:117 Resp: 21611
Ion Ratio Lower Upper
117 100
119 5.7 77.4 116.2#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.250 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.091 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

Tgt Ion: 41 Resp: 704
Ion Ratio Lower Upper
41 100
39 33.5 44.4 66.6#
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#



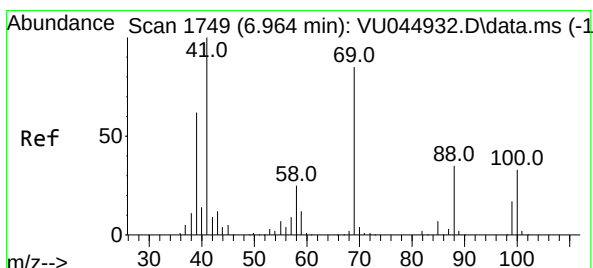
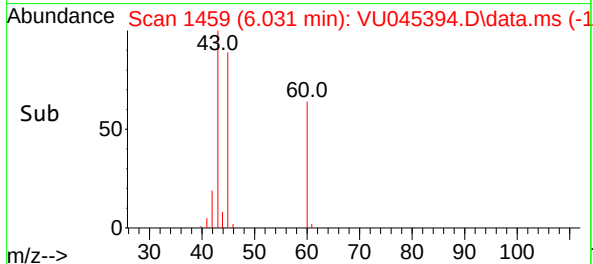
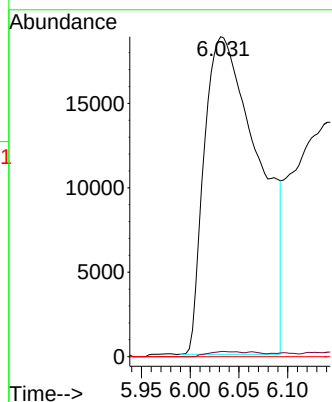
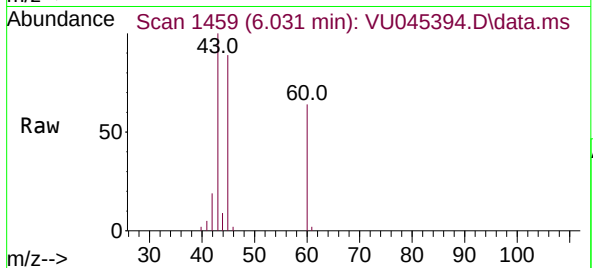


#43

Isopropyl Acetate
 Concen: 8.871 ug/l
 RT: 6.031 min Scan# 1459
 Delta R.T. 0.116 min
 Lab File: VU045394.D
 Acq: 25 Oct 2021 19:26

Instrument :
 MSVOA_U
 ClientSampled :

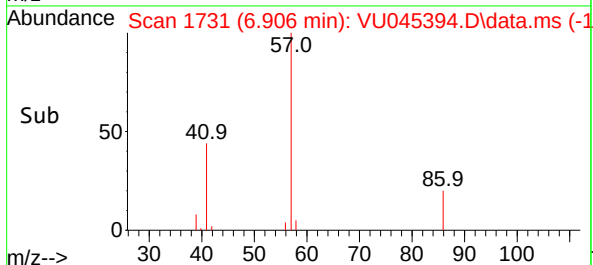
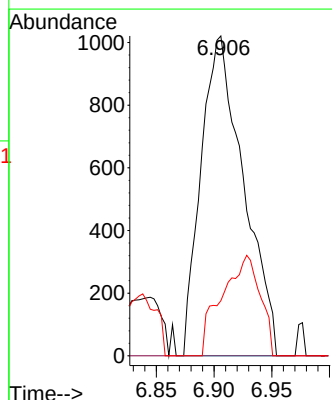
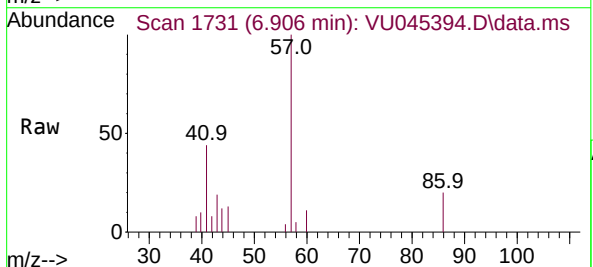
Tgt Ion:	43	Resp:	73103
Ion	Ratio	Lower	Upper
43	100		
61	1.0	16.1	24.1#
87	0.0	10.3	15.5#

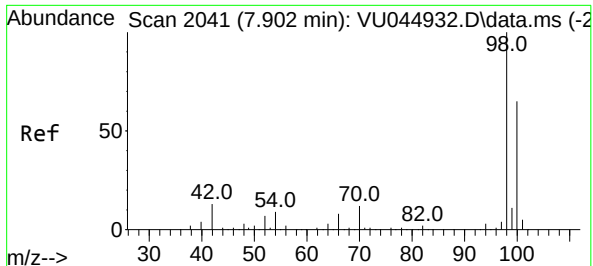


#48

Methyl methacrylate
 Concen: 0.652 ug/l
 RT: 6.906 min Scan# 1731
 Delta R.T. -0.058 min
 Lab File: VU045394.D
 Acq: 25 Oct 2021 19:26

Tgt Ion:	41	Resp:	2617
Ion	Ratio	Lower	Upper
41	100		
69	0.0	65.6	98.4#
39	0.0	46.2	69.4#





#50

Toluene-d8

Concen: 49.693 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. -0.003 min

Lab File: VU045394.D

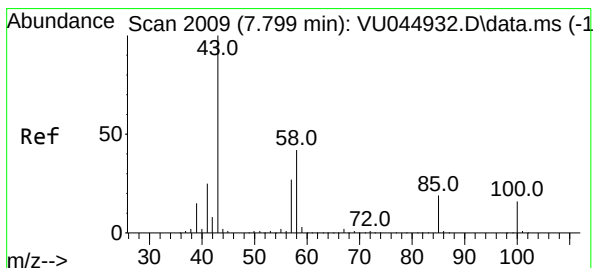
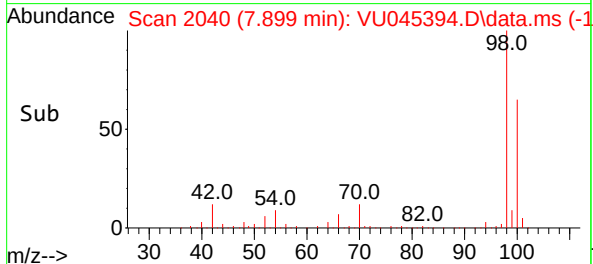
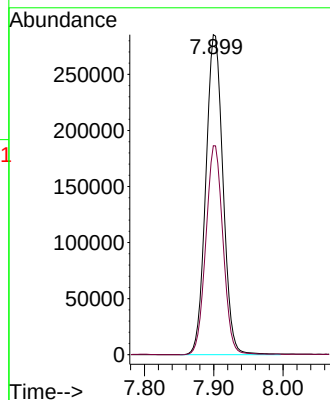
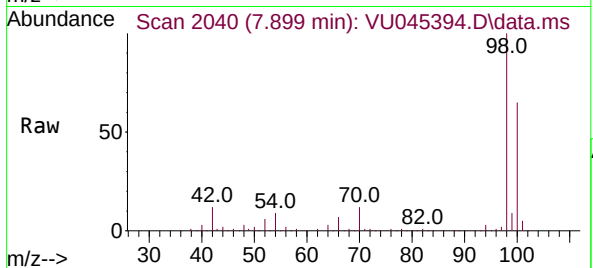
Acq: 25 Oct 2021 19:26

Tgt Ion: 98 Resp: 490319

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.894 ug/l

RT: 7.796 min Scan# 2008

Delta R.T. -0.003 min

Lab File: VU045394.D

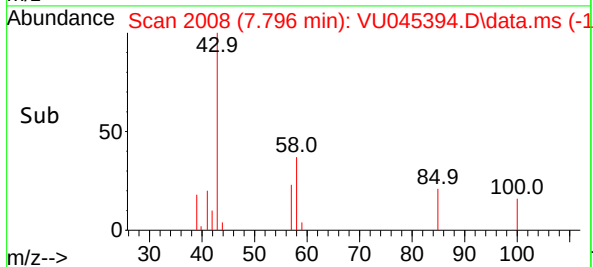
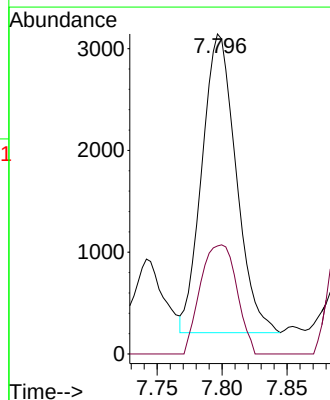
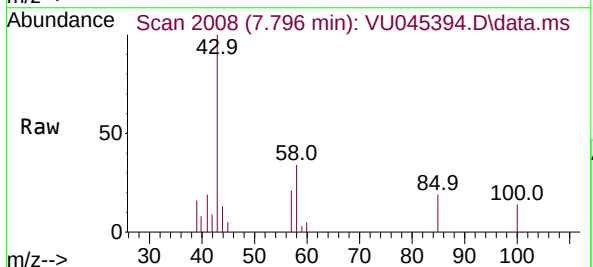
Acq: 25 Oct 2021 19:26

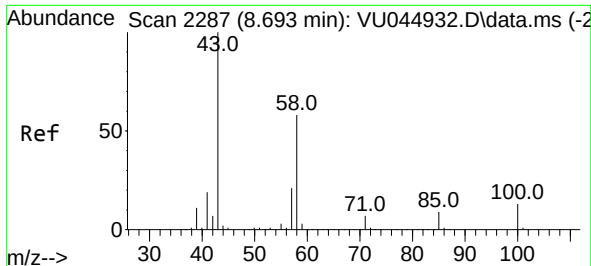
Tgt Ion: 43 Resp: 5363

Ion Ratio Lower Upper

43 100

58 38.9 32.4 48.6

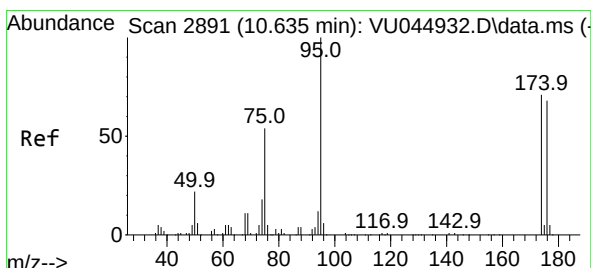
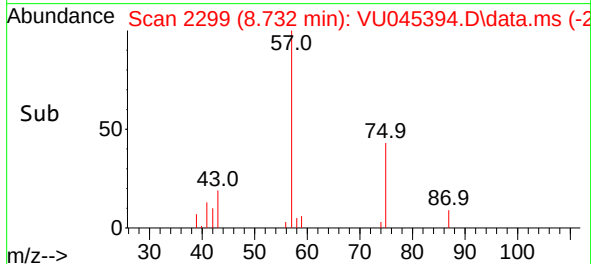
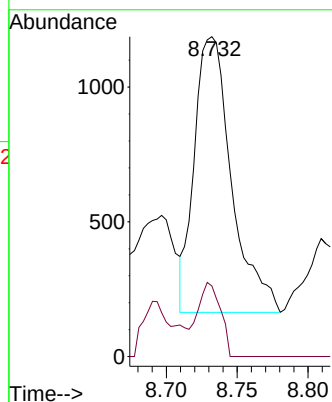
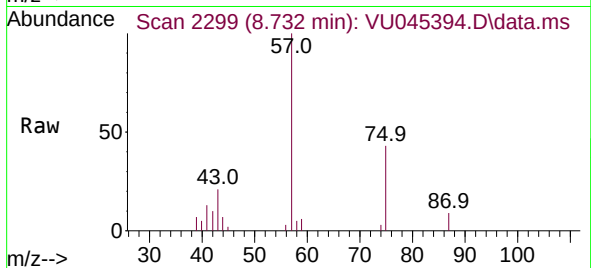




#59
2-Hexanone
Concen: 0.383 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.039 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

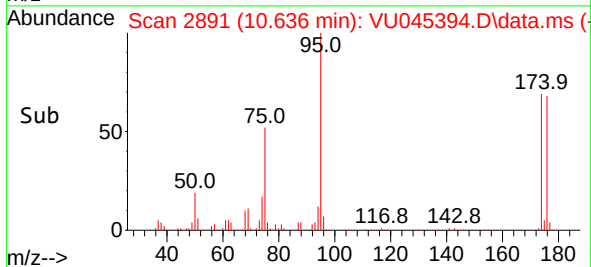
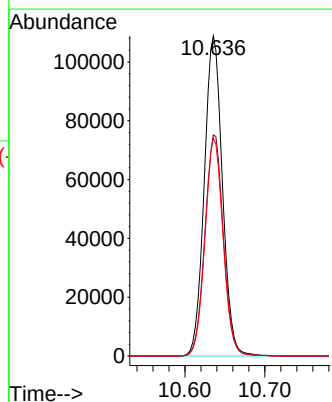
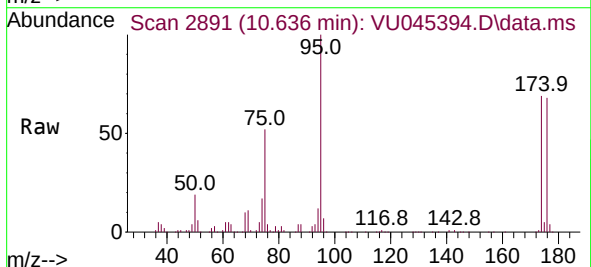
Instrument :
MSVOA_U
ClientSampled :

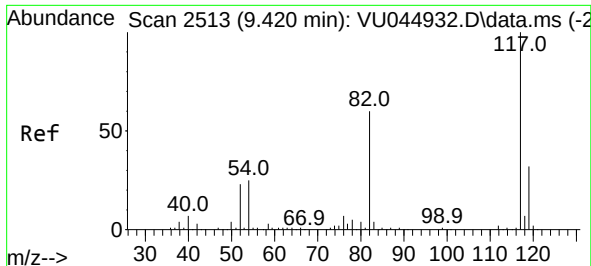
Tgt Ion: 43 Resp: 1872
Ion Ratio Lower Upper
43 100
58 16.2 28.0 84.0#



#62
4-Bromofluorobenzene
Concen: 42.205 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

Tgt Ion: 95 Resp: 171928
Ion Ratio Lower Upper
95 100
174 70.6 0.0 146.6
176 67.8 0.0 141.2

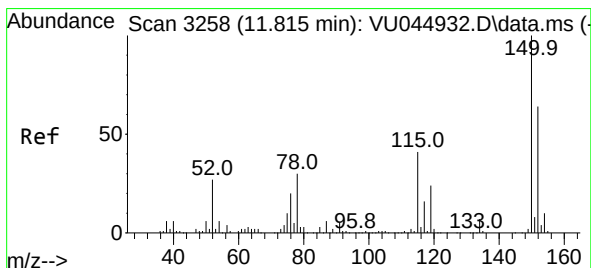
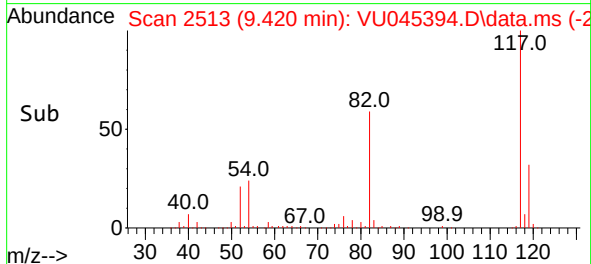
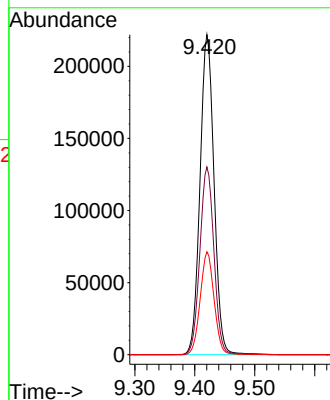
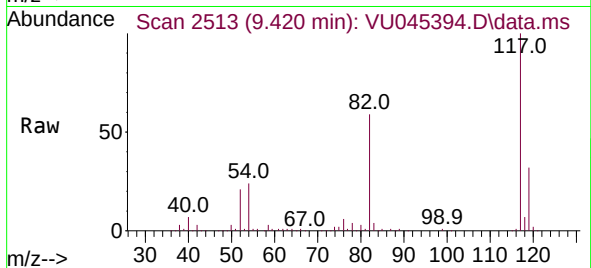




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

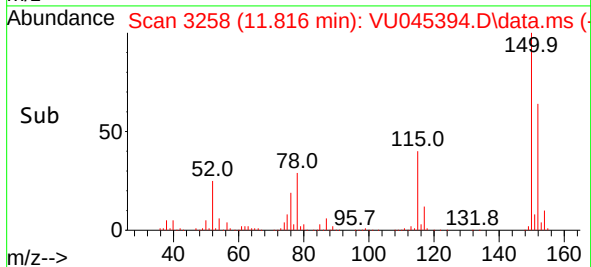
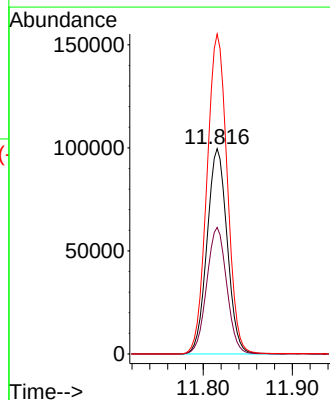
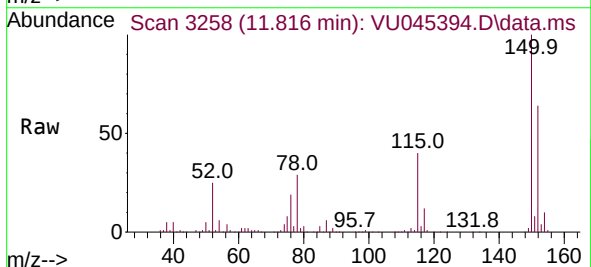
Instrument :
MSVOA_U
ClientSampled :

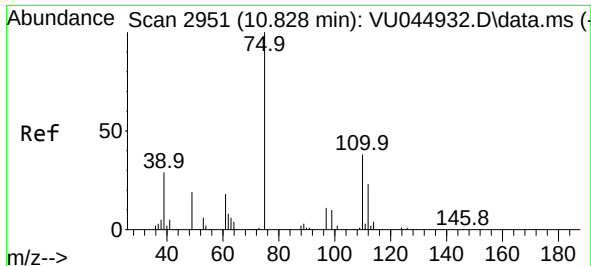
Tgt Ion:117 Resp: 361919
Ion Ratio Lower Upper
117 100
82 58.6 47.8 71.8
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.001 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

Tgt Ion:152 Resp: 156307
Ion Ratio Lower Upper
152 100
115 61.4 43.5 130.7
150 157.0 0.0 350.0

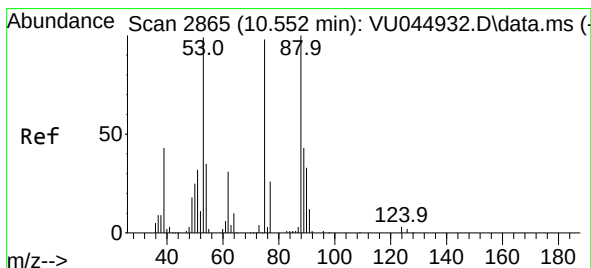
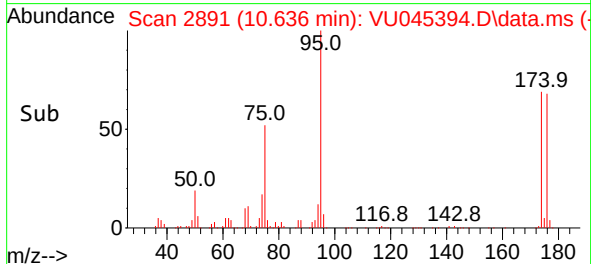
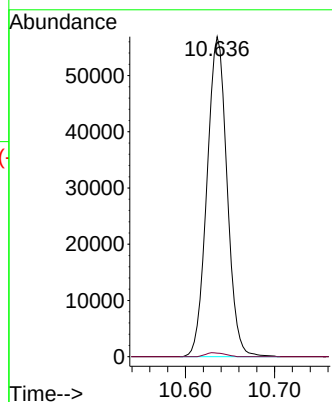
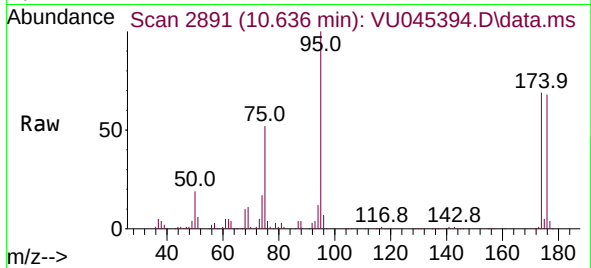




#76
1,2,3-Trichloropropane
Concen: 19.514 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.192 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 88968
Ion Ratio Lower Upper
75 100
77 1.2 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.155 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU045394.D
Acq: 25 Oct 2021 19:26

Tgt Ion: 75 Resp: 88968
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

