

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102521\
 Data File : VU045395.D
 Acq On : 25 Oct 2021 19:50
 Operator : SY/MD
 Sample : M4325-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 04:46:45 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

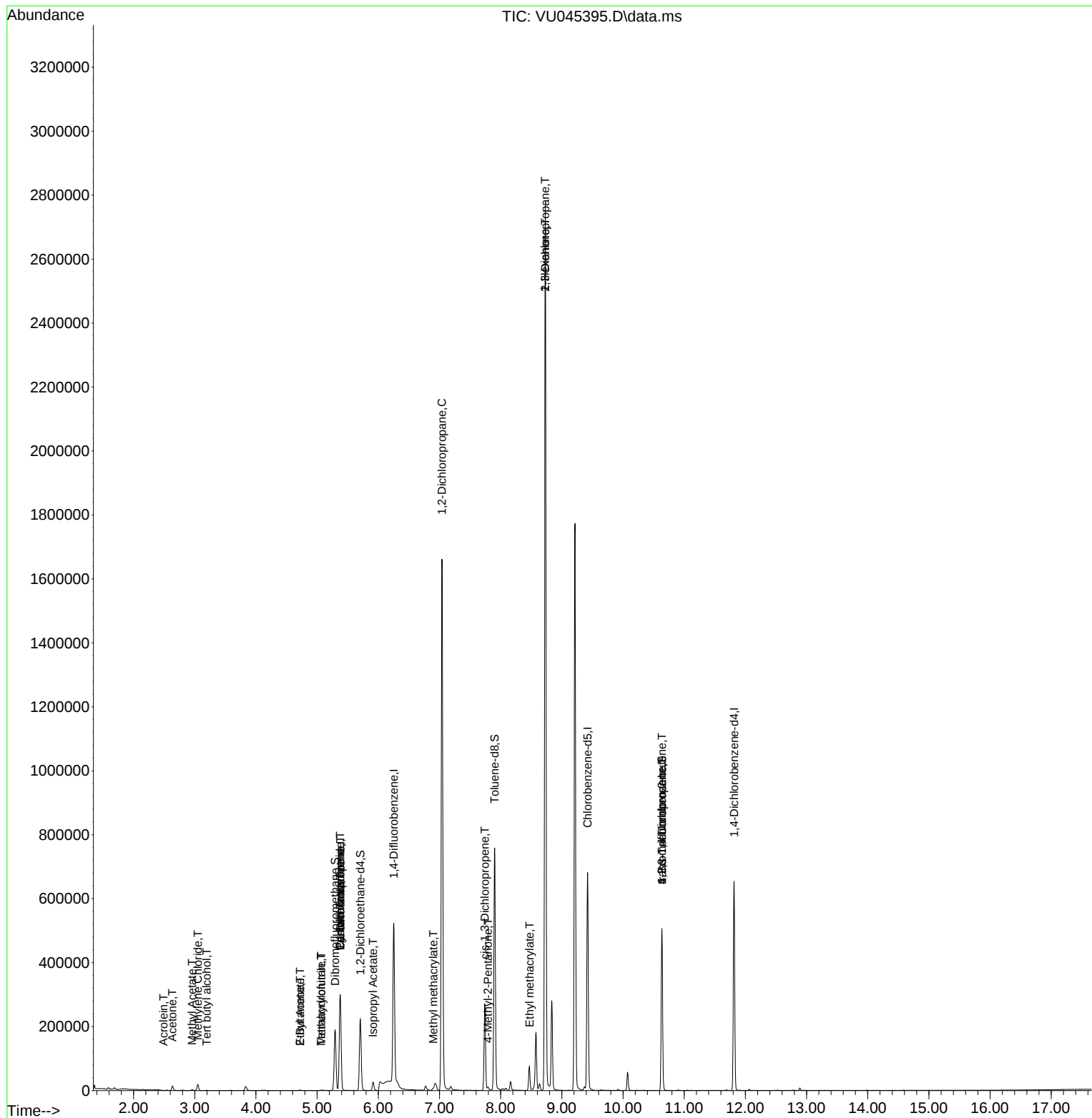
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.379	168	203272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	389203	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	364611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	160642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	166899	49.324	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.640%
35) Dibromofluoromethane	5.292	113	123429	50.272	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.540%
50) Toluene-d8	7.903	98	493759	50.898	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.800%
62) 4-Bromofluorobenzene	10.636	95	175203	43.745	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.500%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.195	59	401	0.413	ug/l #	72
13) Acrolein	2.491	56	104	3.667	ug/l #	47
16) Acetone	2.636	43	17101	8.514	ug/l	99
18) Methyl Acetate	2.957	43	3678	0.627	ug/l	96
20) Methylene Chloride	3.051	84	8727	2.885	ug/l	98
25) 2-Butanone	4.723	43	2581	0.904	ug/l	100
29) Tetrahydrofuran	5.067	42	1059	0.623	ug/l #	83
31) Cyclohexane	5.375	56	4808	0.935	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	18729	4.602	ug/l #	49
37) Ethyl Acetate	4.723	43	2581	0.479	ug/l #	69
38) Carbon Tetrachloride	5.375	117	21446	6.089	ug/l #	15
41) Methacrylonitrile	5.070	41	555	0.200	ug/l #	28
43) Isopropyl Acetate	5.915	43	28447	3.511	ug/l	100
45) 1,2-Dichloropropane	7.041	63	1915	0.596	ug/l #	45
48) Methyl methacrylate	6.899	41	8394	2.129	ug/l #	14
49) 1,4-Dioxane	7.041	88	191	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.793	43	5698	0.966	ug/l	98
54) cis-1,3-Dichloropropene	7.742	75	48811	9.748	ug/l #	57
56) Ethyl methacrylate	8.475	69	142	1.843	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	28697	5.087	ug/l #	43
59) 2-Hexanone	8.729	43	376791	78.447	ug/l #	50
76) 1,2,3-Trichloropropane	10.636	75	91045	19.431	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	91045	53.923	ug/l #	9

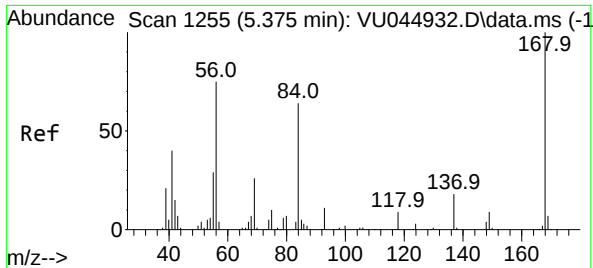
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

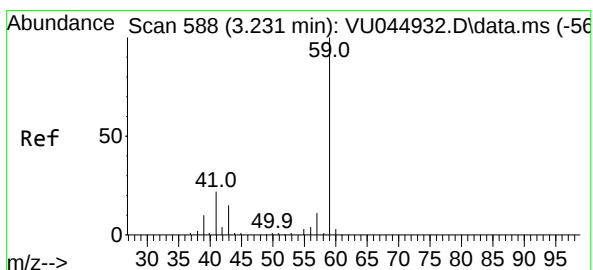
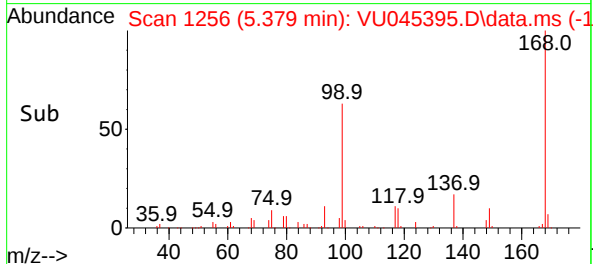
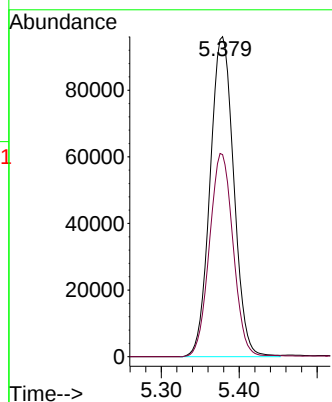
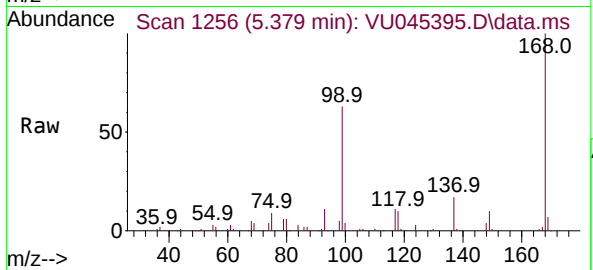




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.004 min
Lab File: VU045395.D
Acq: 25 Oct 2021 19:50

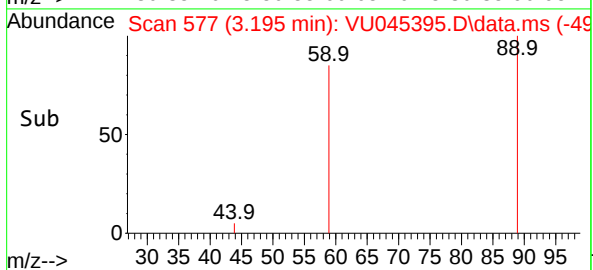
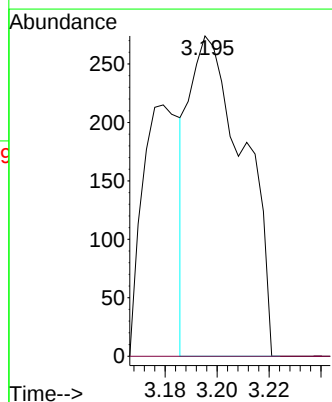
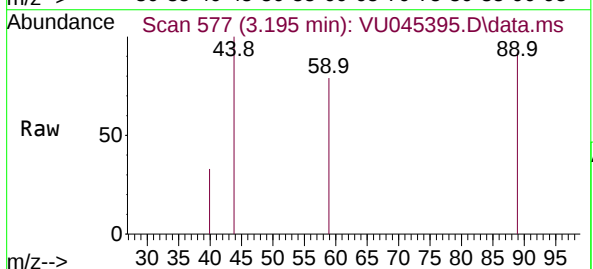
Instrument :
MSVOA_U
ClientSampleId :

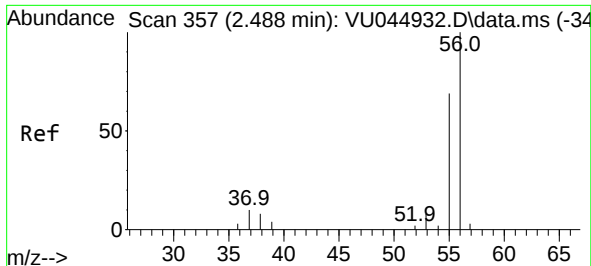
Tgt Ion:168 Resp: 203272
Ion Ratio Lower Upper
168 100
99 63.2 51.4 77.0



#11
Tert butyl alcohol
Concen: 0.413 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.036 min
Lab File: VU045395.D
Acq: 25 Oct 2021 19:50

Tgt Ion: 59 Resp: 401
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

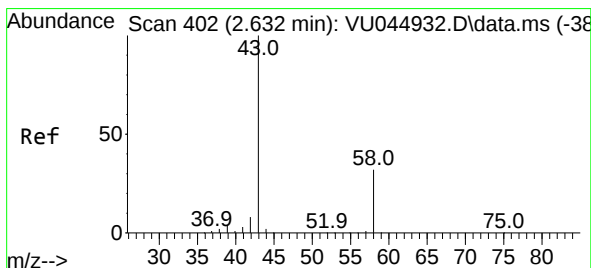
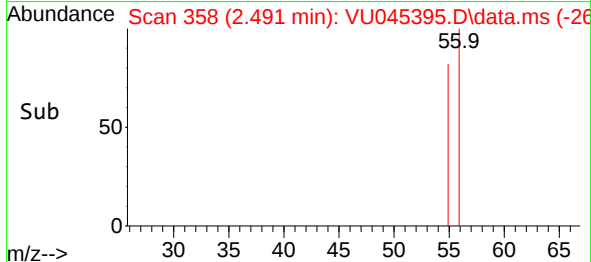
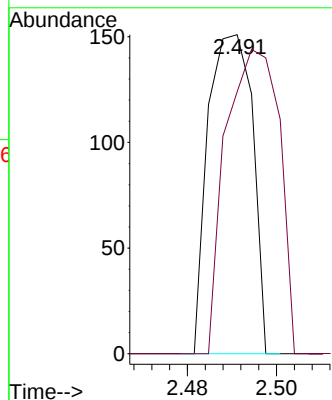
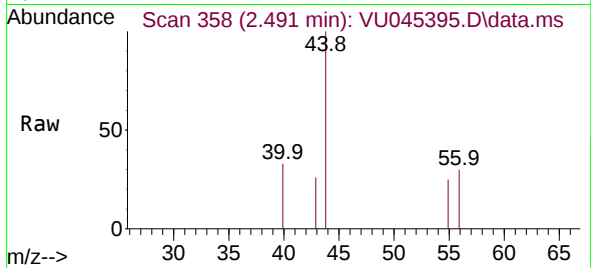




#13
Acrolein
Concen: 3.667 ug/l
RT: 2.491 min Scan# 358
Delta R.T. 0.003 min
Lab File: VU045395.D
Acq: 25 Oct 2021 19:50

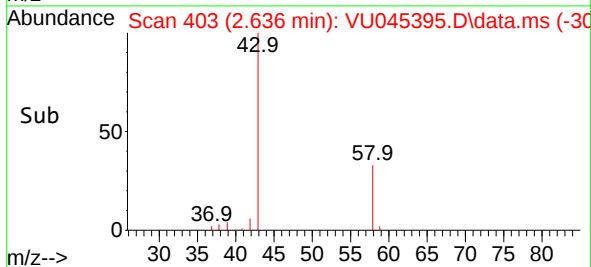
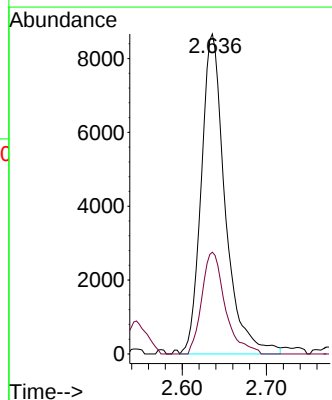
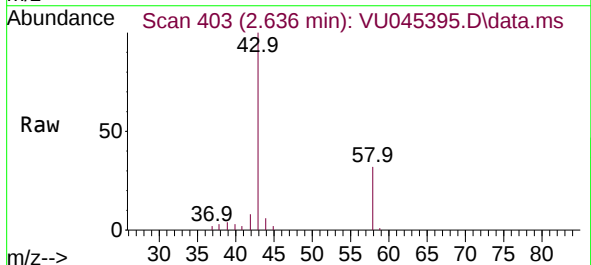
Instrument :
MSVOA_U
ClientSampled :

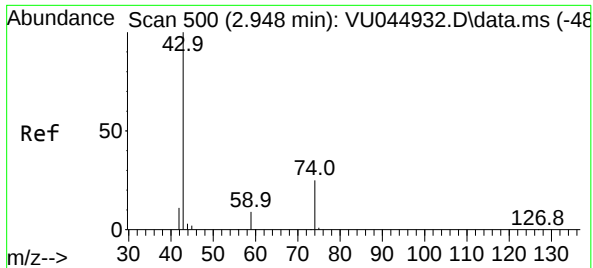
Tgt Ion: 56 Resp: 104
Ion Ratio Lower Upper
56 100
55 115.4 57.4 86.0#



#16
Acetone
Concen: 8.514 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.004 min
Lab File: VU045395.D
Acq: 25 Oct 2021 19:50

Tgt Ion: 43 Resp: 17101
Ion Ratio Lower Upper
43 100
58 31.8 25.2 37.8

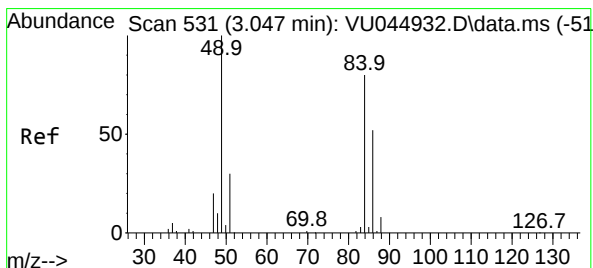
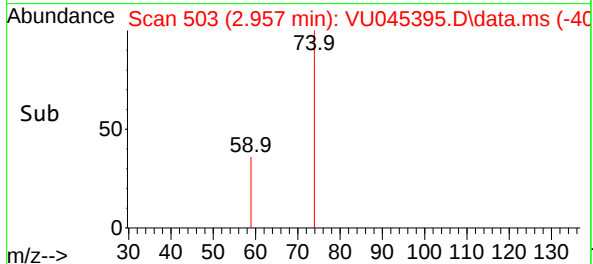
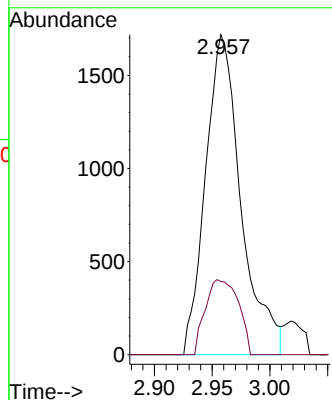
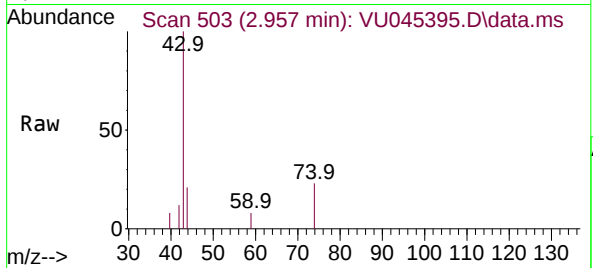




#18
Methyl Acetate
Concen: 0.627 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.009 min
Lab File: VU045395.D
Acq: 25 Oct 2021 19:50

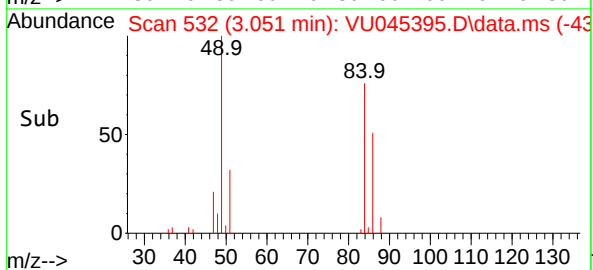
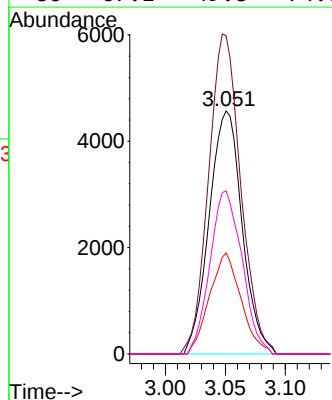
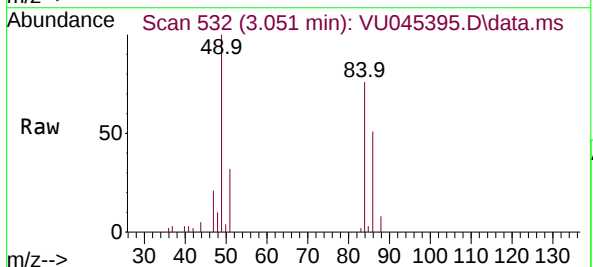
Instrument :
MSVOA_U
ClientSampled :

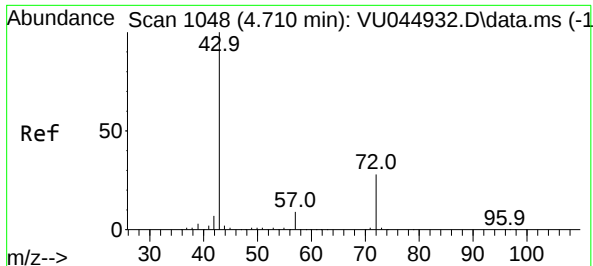
Tgt Ion: 43 Resp: 3678
Ion Ratio Lower Upper
43 100
74 21.7 19.0 28.6



#20
Methylene Chloride
Concen: 2.885 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.004 min
Lab File: VU045395.D
Acq: 25 Oct 2021 19:50

Tgt Ion: 84 Resp: 8727
Ion Ratio Lower Upper
84 100
49 130.9 104.9 157.3
51 41.5 31.8 47.8
86 67.1 49.8 74.6





#25

2-Butanone

Concen: 0.904 ug/l

RT: 4.723 min Scan# 1052

Delta R.T. 0.013 min

Lab File: VU045395.D

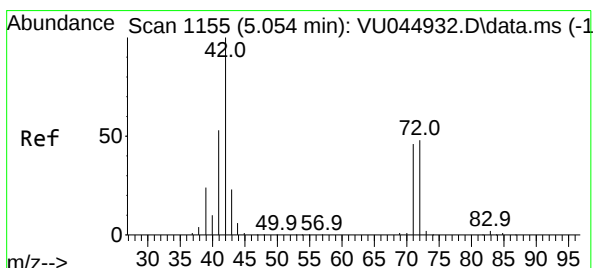
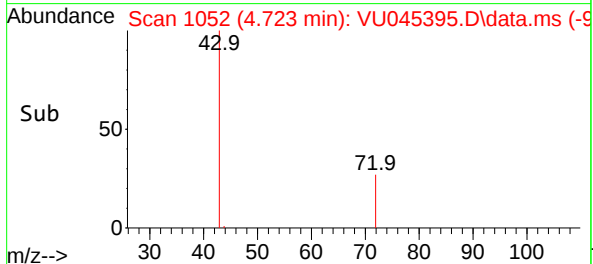
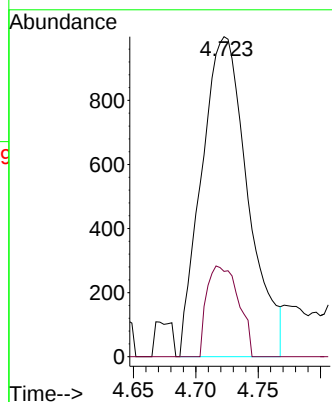
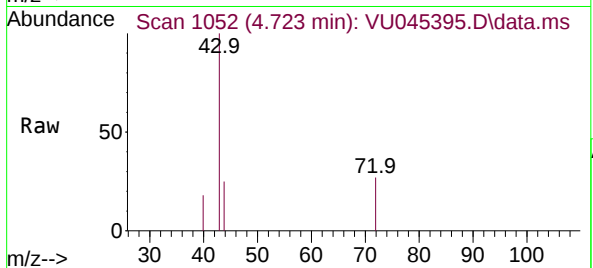
Acq: 25 Oct 2021 19:50

Tgt Ion: 43 Resp: 2581

Ion Ratio Lower Upper

43 100

72 26.6 21.3 31.9



#29

Tetrahydrofuran

Concen: 0.623 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.013 min

Lab File: VU045395.D

Acq: 25 Oct 2021 19:50

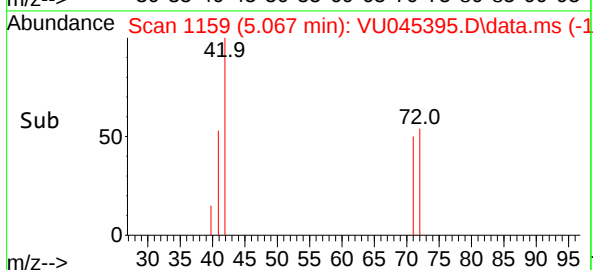
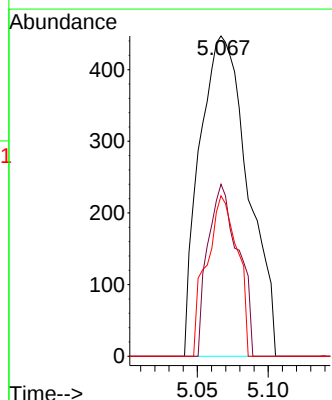
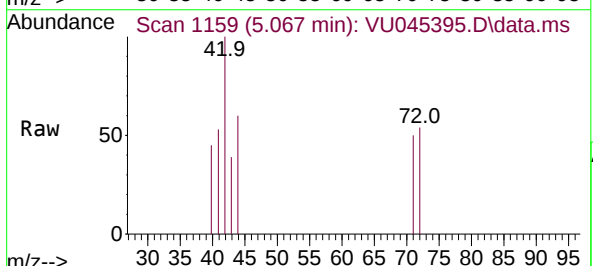
Tgt Ion: 42 Resp: 1059

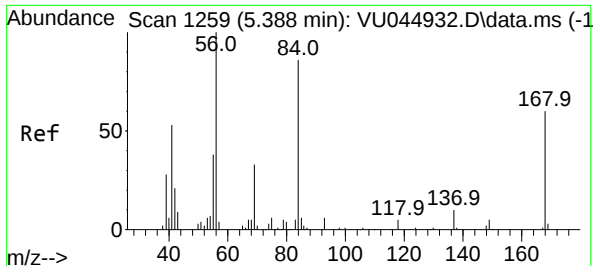
Ion Ratio Lower Upper

42 100

72 33.8 36.2 54.4#

71 32.0 34.1 51.1#

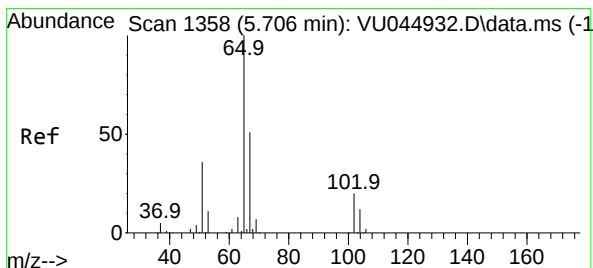
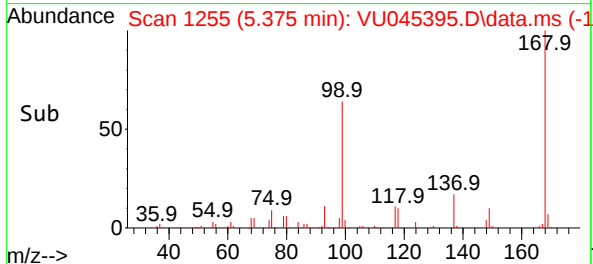
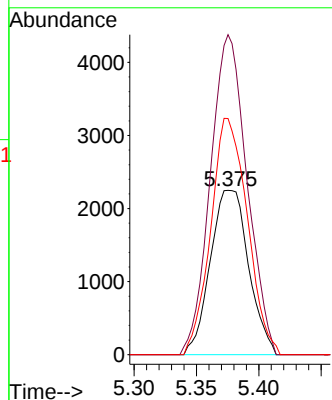
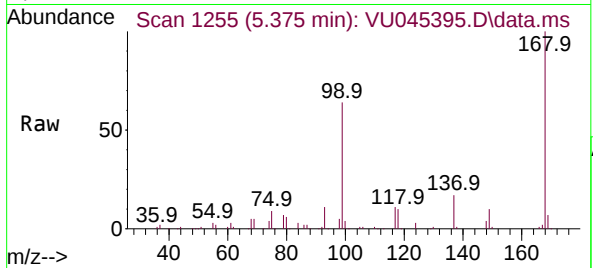




#31
Cyclohexane
Concen: 0.935 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.013 min
Lab File: VU045395.D
Acq: 25 Oct 2021 19:50

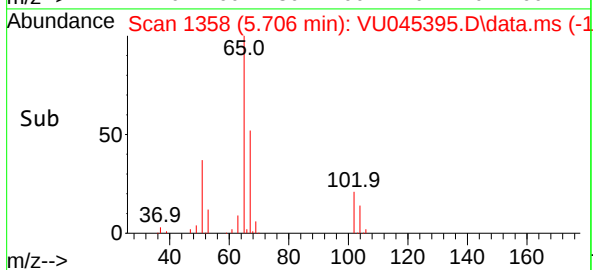
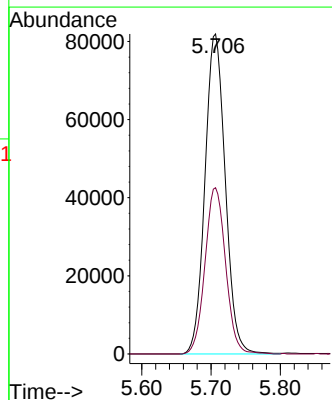
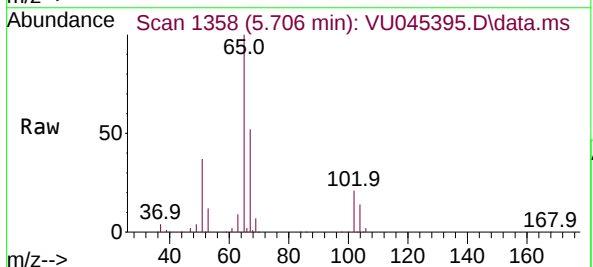
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MSVOA_U
ClientSampleId :

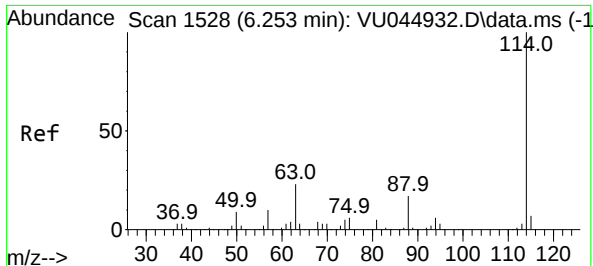
Tgt Ion: 56 Resp: 4808
Ion Ratio Lower Upper
56 100
69 194.8 25.2 37.8#
84 143.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 49.324 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU045395.D
Acq: 25 Oct 2021 19:50

Tgt Ion: 65 Resp: 166899
Ion Ratio Lower Upper
65 100
67 52.6 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: VU045395.D

Acq: 25 Oct 2021 19:50

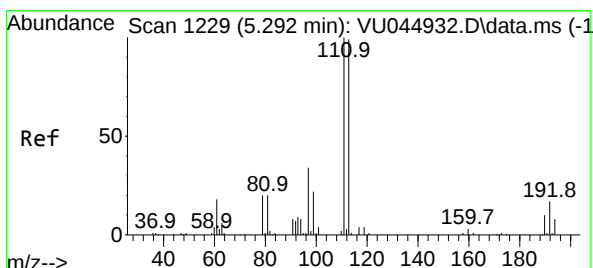
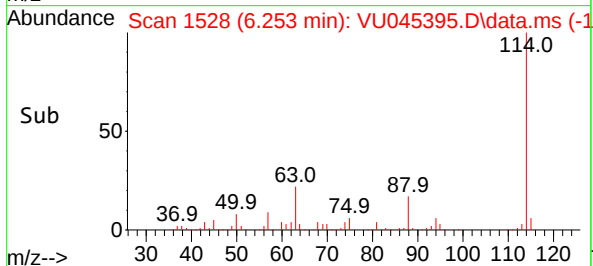
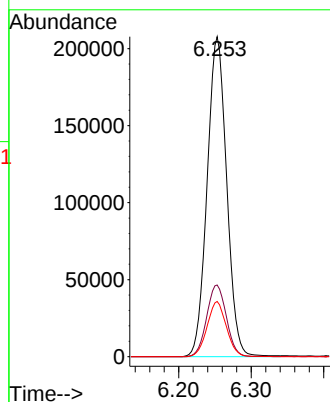
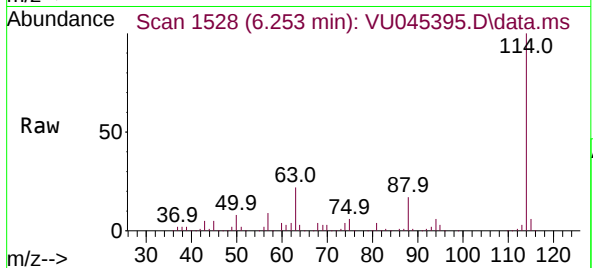
Tgt Ion:114 Resp: 389203

Ion Ratio Lower Upper

114 100

63 22.4 0.0 47.8

88 17.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.272 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045395.D

Acq: 25 Oct 2021 19:50

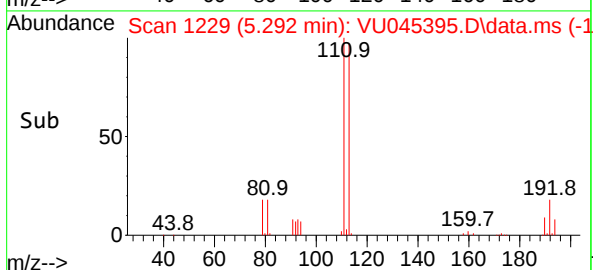
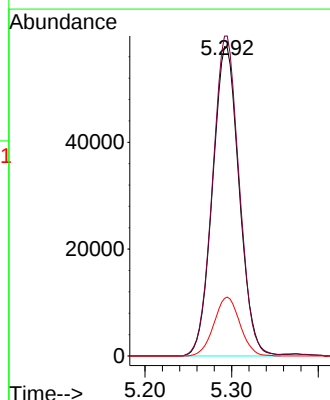
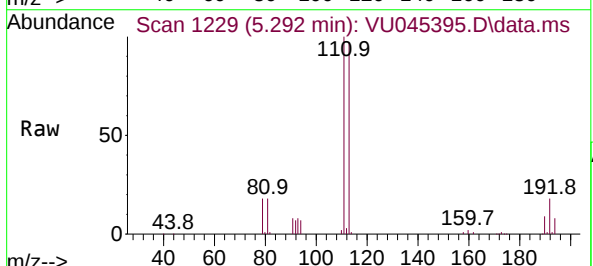
Tgt Ion:113 Resp: 123429

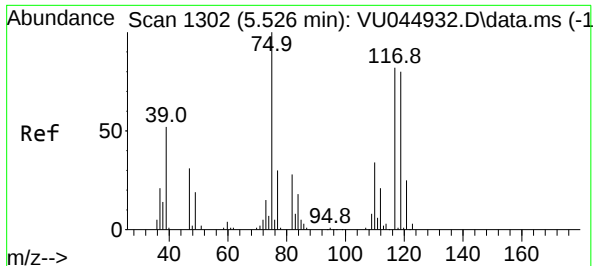
Ion Ratio Lower Upper

113 100

111 103.4 84.1 126.1

192 18.6 14.8 22.2



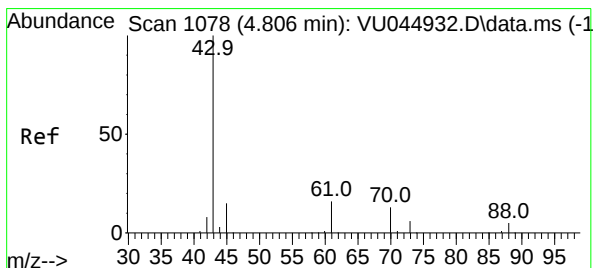
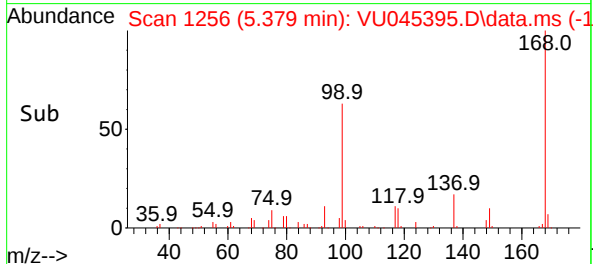
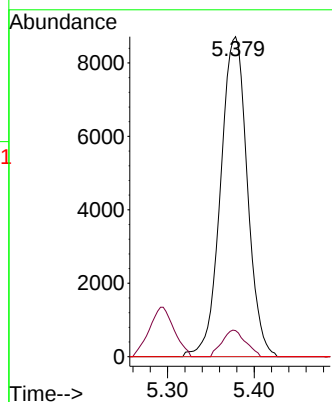
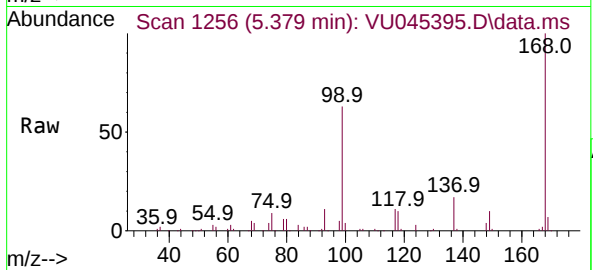


#36

1,1-Dichloropropene
Concen: 4.602 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.147 min
Lab File: VU045395.D
Acq: 25 Oct 2021 19:50

Instrument :
MSVOA_U
ClientSampled :

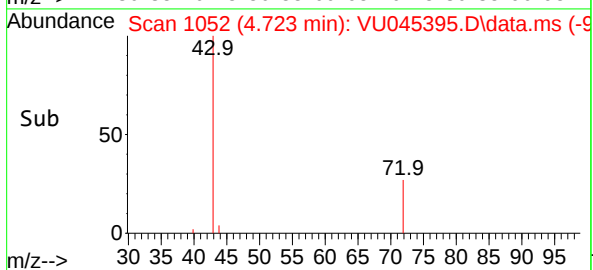
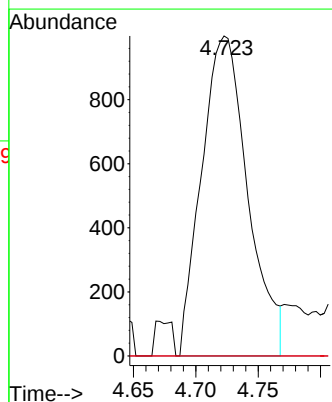
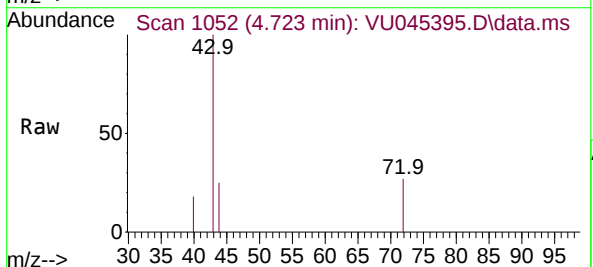
Tgt Ion: 75 Resp: 18729
Ion Ratio Lower Upper
75 100
110 7.3 16.3 48.9#
77 0.0 25.0 37.4#

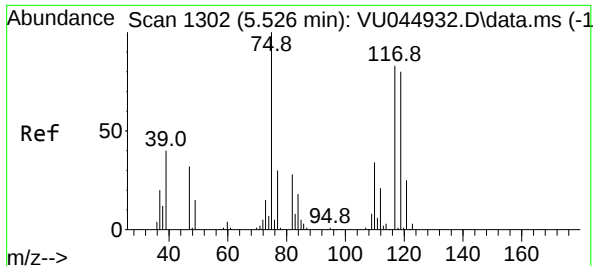


#37

Ethyl Acetate
Concen: 0.479 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. -0.083 min
Lab File: VU045395.D
Acq: 25 Oct 2021 19:50

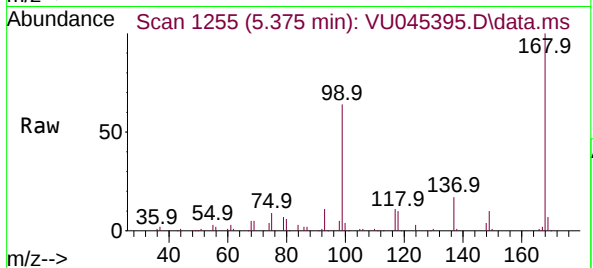
Tgt Ion: 43 Resp: 2581
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.2 12.4#



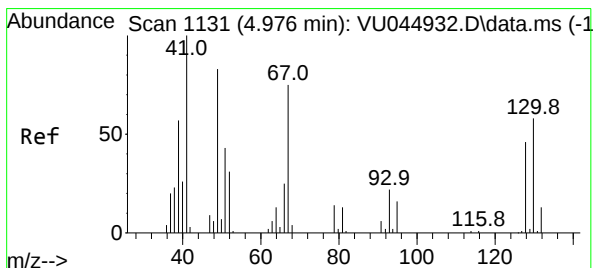
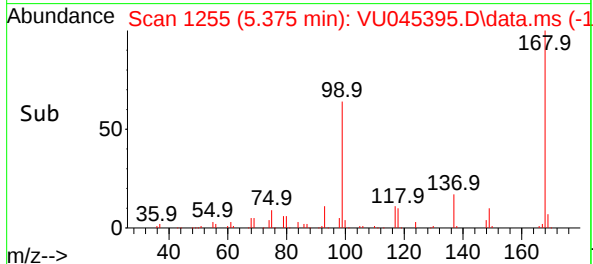
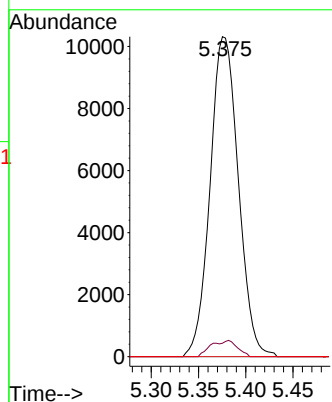


#38
Carbon Tetrachloride
Concen: 6.089 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045395.D
Acq: 25 Oct 2021 19:50

Instrument :
MSVOA_U
ClientSampleId :

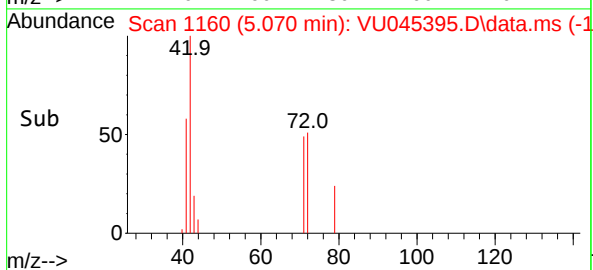
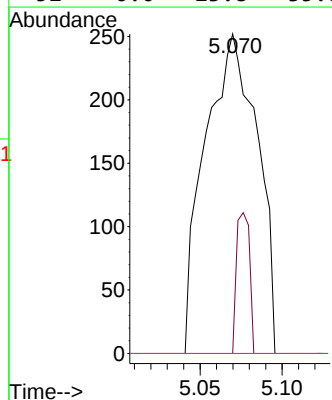
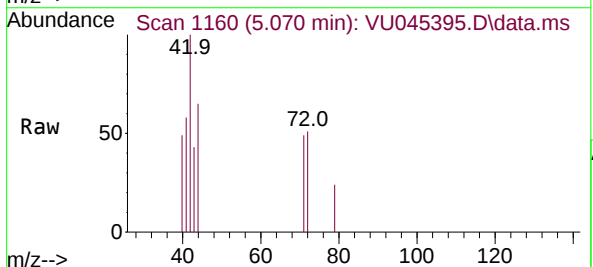


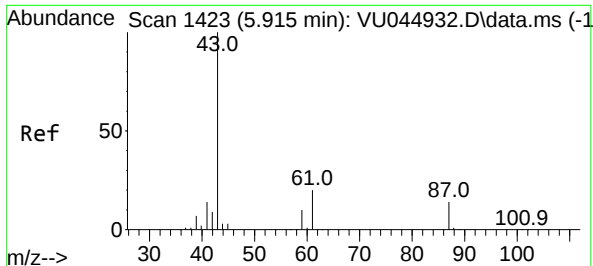
Tgt Ion:117 Resp: 21446
Ion Ratio Lower Upper
117 100
119 4.2 77.4 116.2#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.200 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.094 min
Lab File: VU045395.D
Acq: 25 Oct 2021 19:50

Tgt Ion: 41 Resp: 555
Ion Ratio Lower Upper
41 100
39 11.0 44.4 66.6#
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#



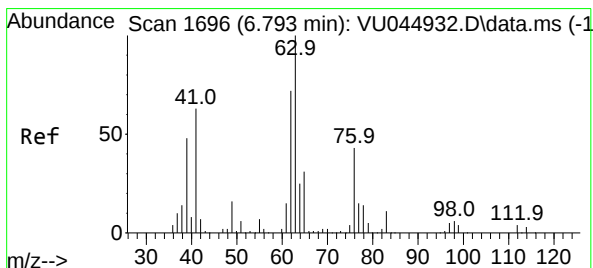
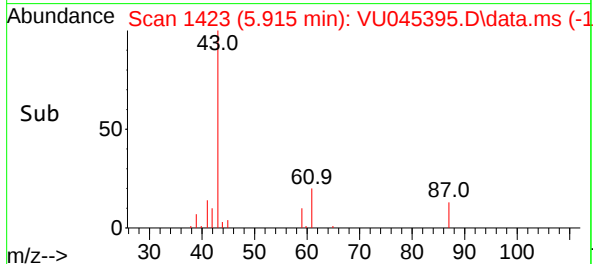
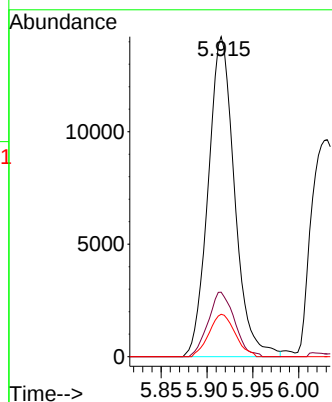
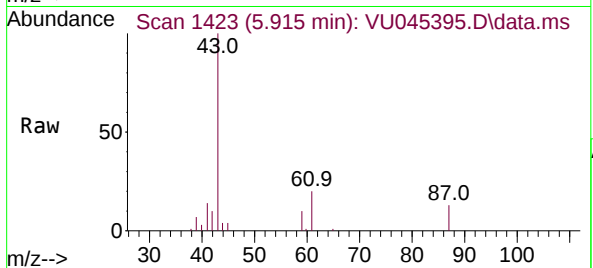


#43

Isopropyl Acetate
 Concen: 3.511 ug/l
 RT: 5.915 min Scan# 1423
 Delta R.T. 0.000 min
 Lab File: VU045395.D
 Acq: 25 Oct 2021 19:50

Instrument :
 MSVOA_U
 ClientSampled :

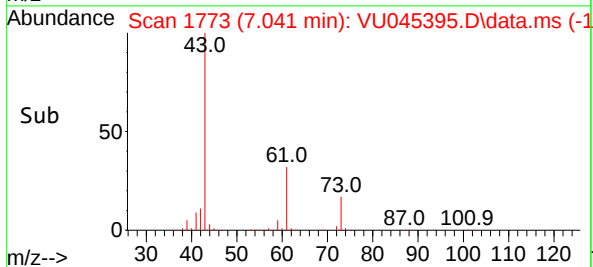
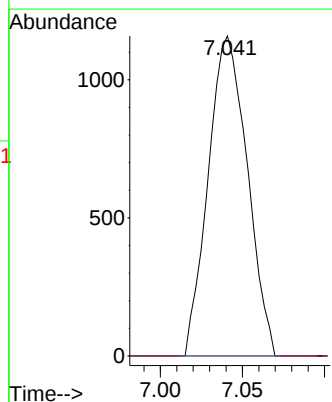
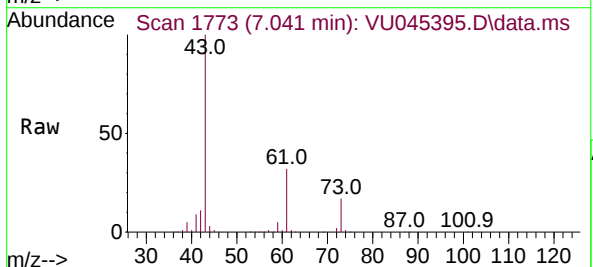
Tgt Ion:	43	Resp:	28447
Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.1	24.1
87	13.1	10.3	15.5

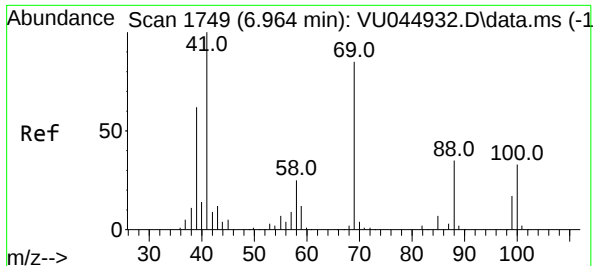


#45

1,2-Dichloropropane
 Concen: 0.596 ug/l
 RT: 7.041 min Scan# 1773
 Delta R.T. 0.248 min
 Lab File: VU045395.D
 Acq: 25 Oct 2021 19:50

Tgt Ion:	63	Resp:	1915
Ion	Ratio	Lower	Upper
63	100		
65	0.0	23.9	35.9#





#48

Methyl methacrylate

Concen: 2.129 ug/l

RT: 6.899 min Scan# 1729

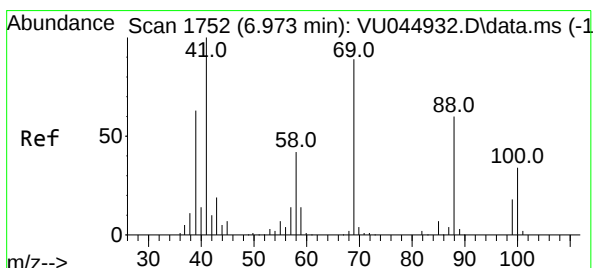
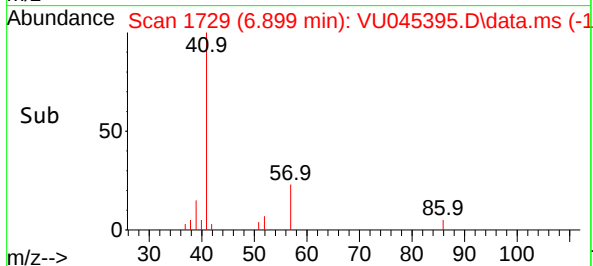
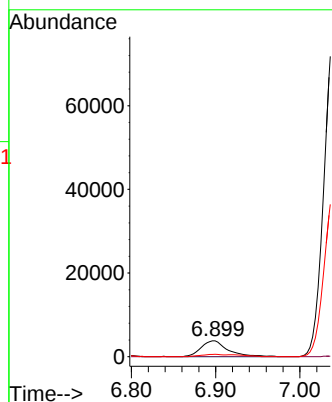
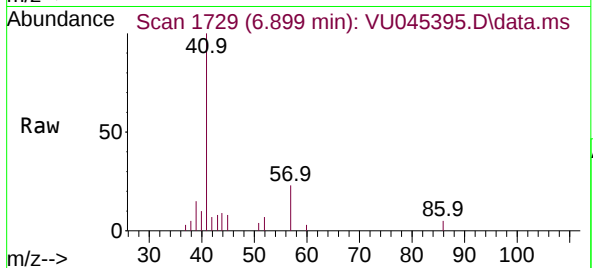
Delta R.T. -0.065 min

Lab File: VU045395.D

Acq: 25 Oct 2021 19:50

Tgt Ion: 41	Resp:	8394
Ion Ratio	Lower	Upper
41	100	
69	0.0	65.6 98.4#
39	0.0	46.2 69.4#

Instrument :
MSVOA_U
ClientSampled :



#49

1,4-Dioxane

Concen: Below Cal

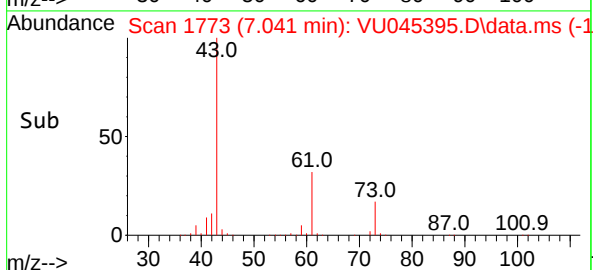
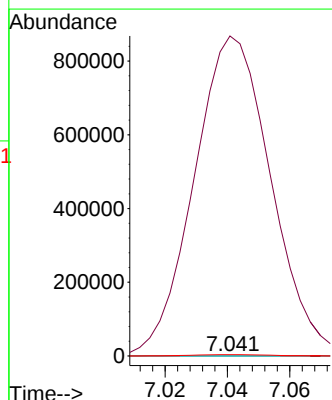
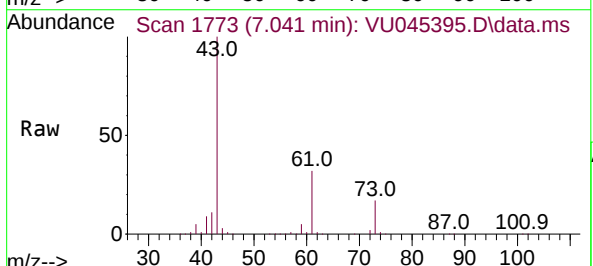
RT: 7.041 min Scan# 1773

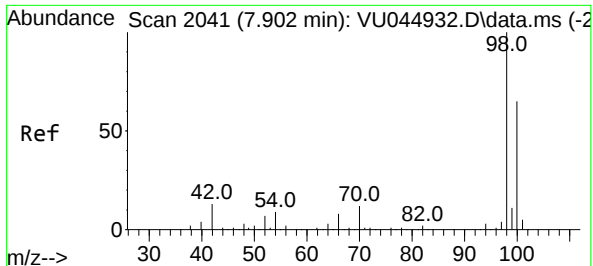
Delta R.T. 0.068 min

Lab File: VU045395.D

Acq: 25 Oct 2021 19:50

Tgt Ion: 88	Resp:	191
Ion Ratio	Lower	Upper
88	100	
43	789272.3	25.8 38.6#
58	3451.8	61.3 91.9#





#50

Toluene-d8

Concen: 50.898 ug/l

RT: 7.903 min Scan# 2041

Delta R.T. 0.001 min

Lab File: VU045395.D

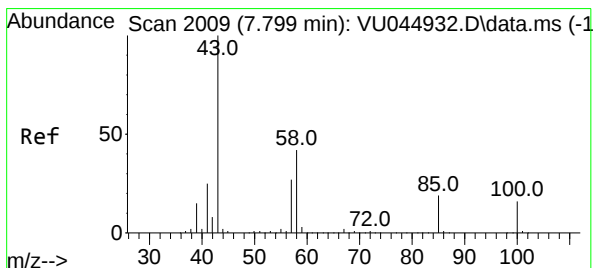
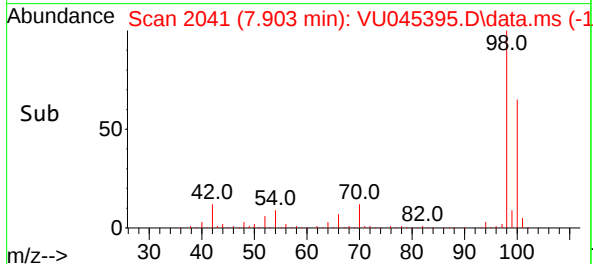
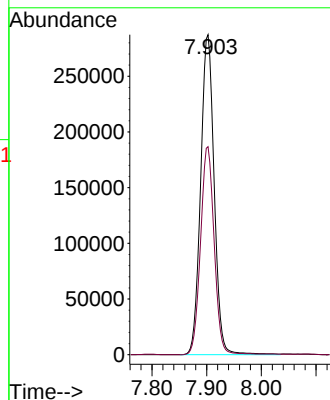
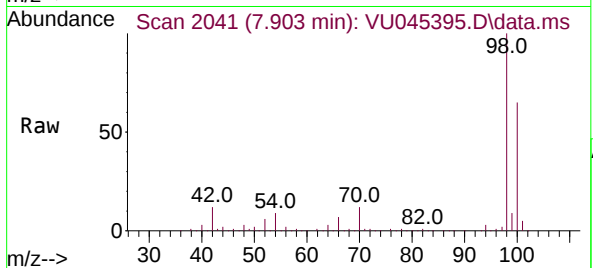
Acq: 25 Oct 2021 19:50

Tgt Ion: 98 Resp: 493759

Ion Ratio Lower Upper

98 100

100 65.4 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.966 ug/l

RT: 7.793 min Scan# 2007

Delta R.T. -0.006 min

Lab File: VU045395.D

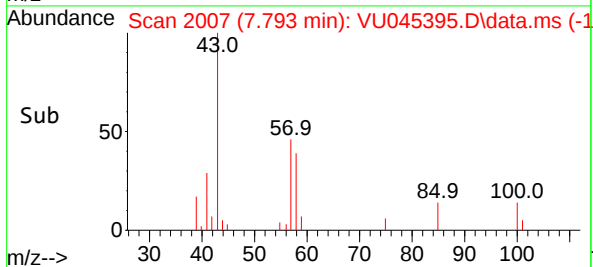
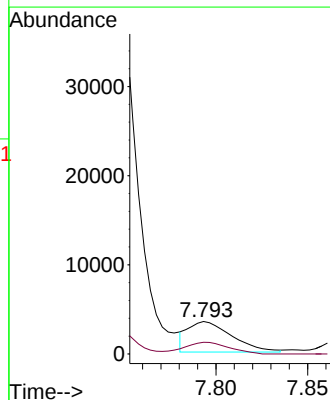
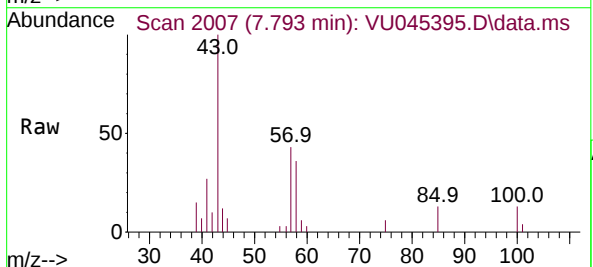
Acq: 25 Oct 2021 19:50

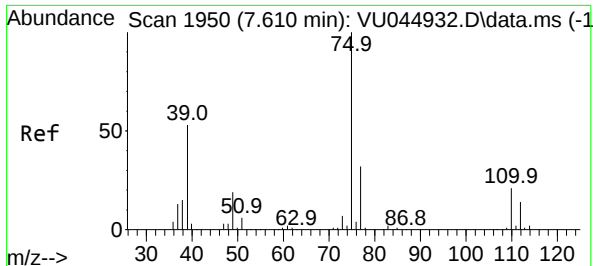
Tgt Ion: 43 Resp: 5698

Ion Ratio Lower Upper

43 100

58 39.0 32.4 48.6

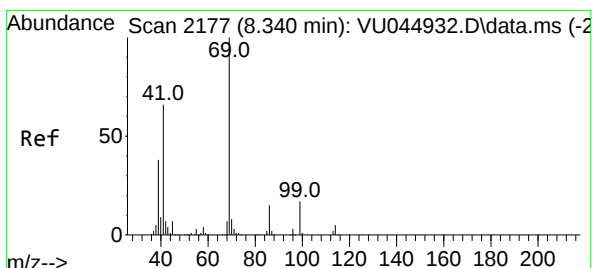
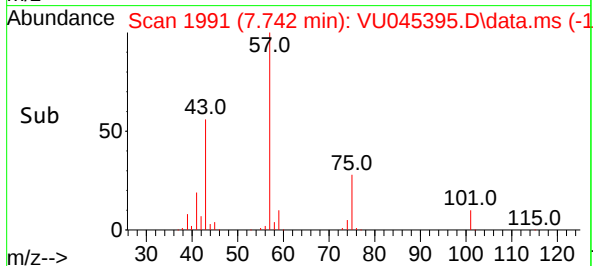
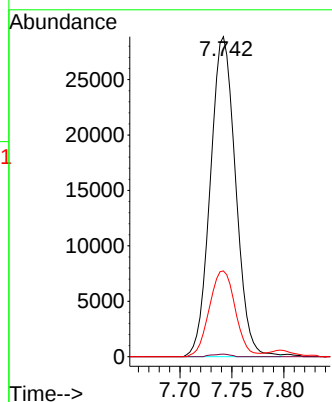
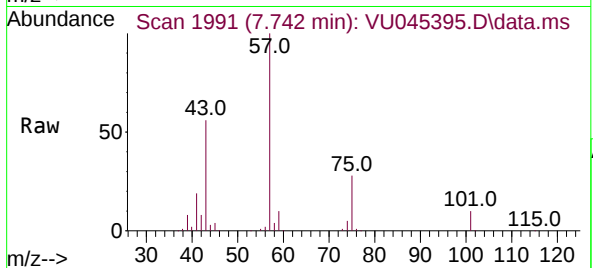




#54
 cis-1,3-Dichloropropene
 Concen: 9.748 ug/l
 RT: 7.742 min Scan# 1991
 Delta R.T. 0.132 min
 Lab File: VU045395.D
 Acq: 25 Oct 2021 19:50

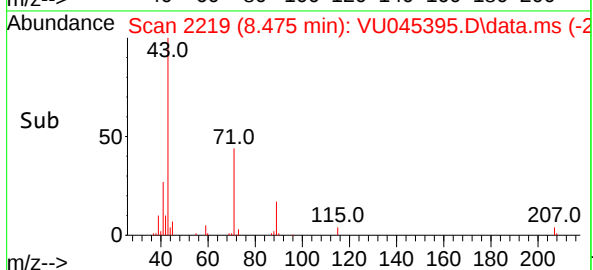
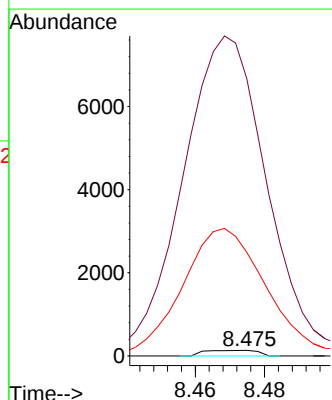
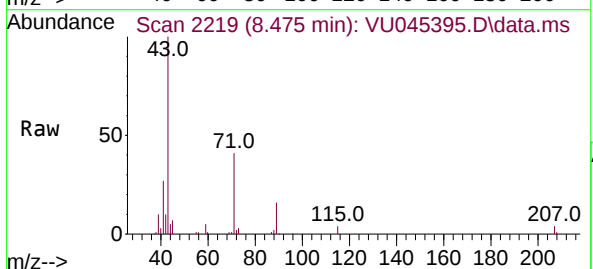
Instrument :
 MSVOA_U
 ClientSampled :

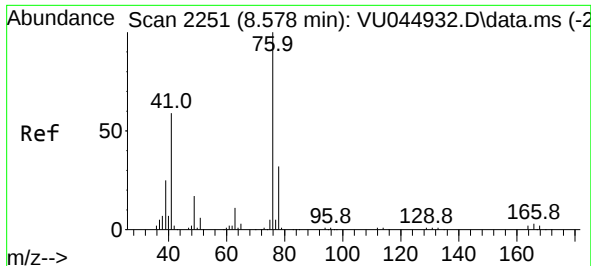
Tgt Ion: 75 Resp: 48811
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.6#
 39 26.8 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 1.843 ug/l
 RT: 8.475 min Scan# 2219
 Delta R.T. 0.135 min
 Lab File: VU045395.D
 Acq: 25 Oct 2021 19:50

Tgt Ion: 69 Resp: 142
 Ion Ratio Lower Upper
 69 100
 41 9367.6 53.5 80.3#
 39 3669.7 31.1 46.7#



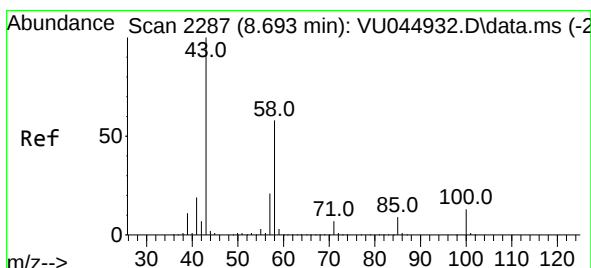
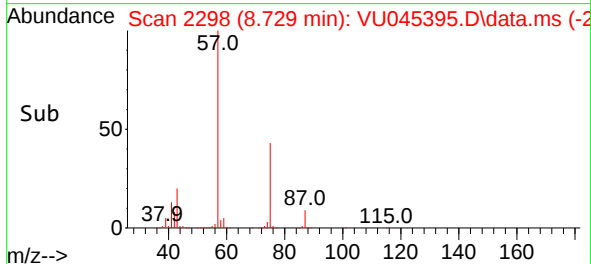
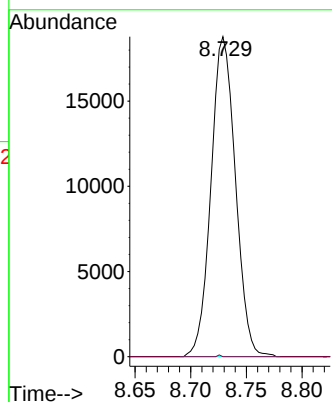
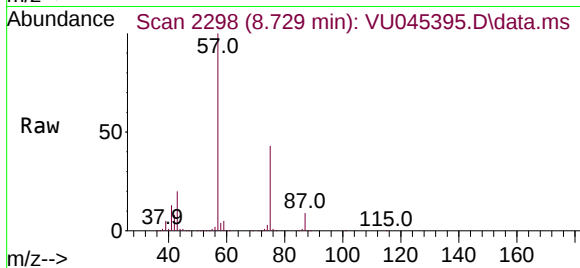


#57

1,3-Dichloropropane
Concen: 5.087 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045395.D
Acq: 25 Oct 2021 19:50

Instrument :
MSVOA_U
ClientSampled :

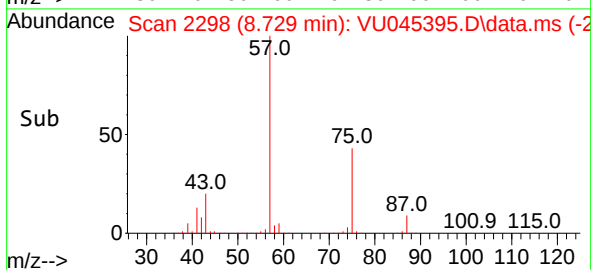
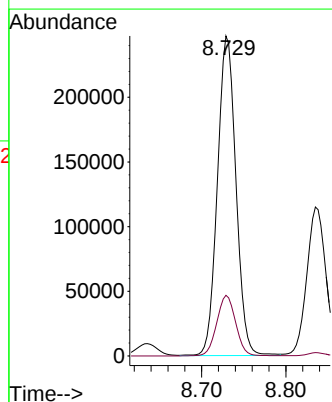
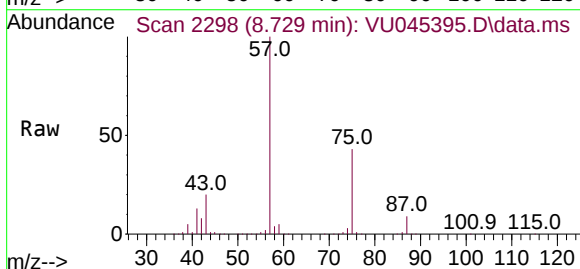
Tgt Ion: 76 Resp: 28697
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#

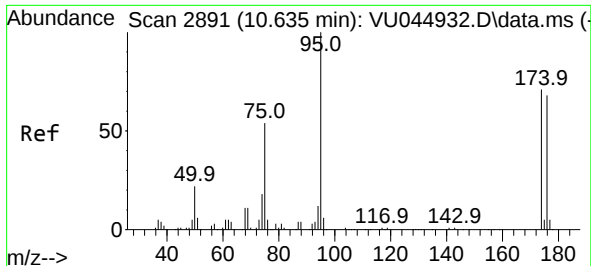


#59

2-Hexanone
Concen: 78.447 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.036 min
Lab File: VU045395.D
Acq: 25 Oct 2021 19:50

Tgt Ion: 43 Resp: 376791
Ion Ratio Lower Upper
43 100
58 19.5 28.0 84.0#

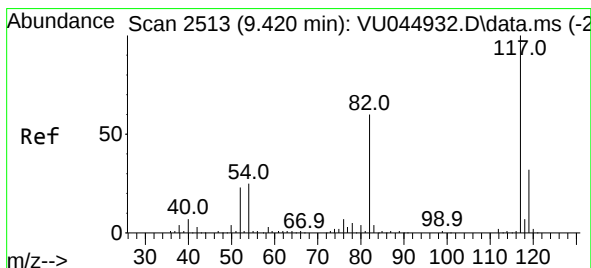
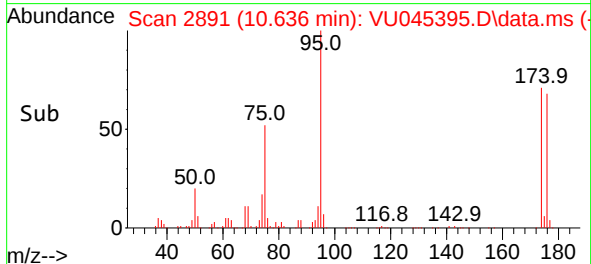
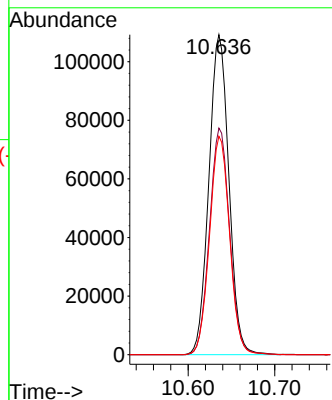
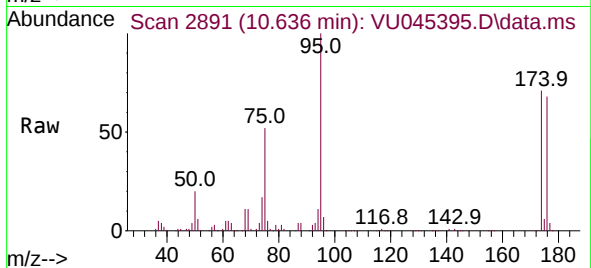




#62
4-Bromofluorobenzene
Concen: 43.745 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU045395.D
Acq: 25 Oct 2021 19:50

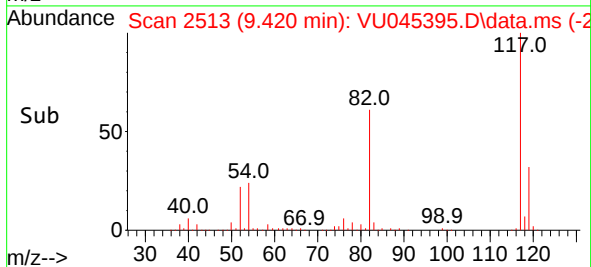
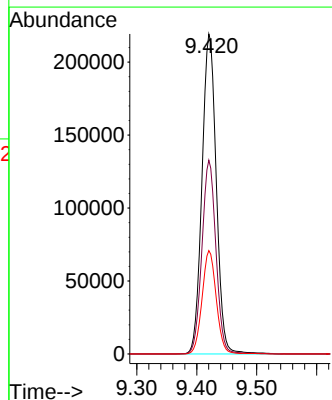
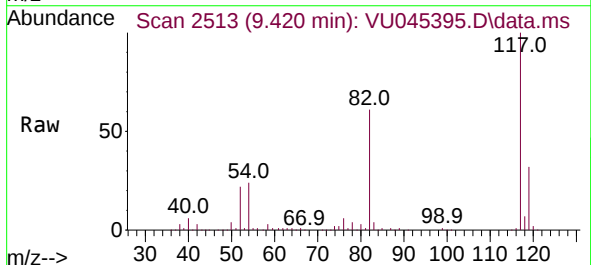
Instrument :
MSVOA_U
ClientSampleId :

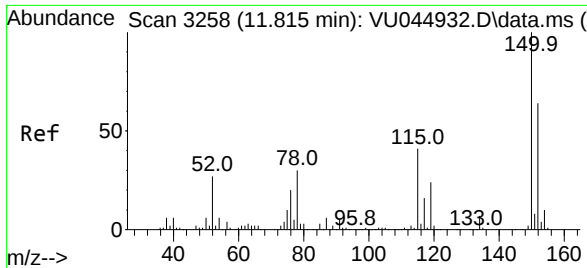
Tgt Ion: 95 Resp: 175203
Ion Ratio Lower Upper
95 100
174 71.4 0.0 146.6
176 68.4 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045395.D
Acq: 25 Oct 2021 19:50

Tgt Ion: 117 Resp: 364611
Ion Ratio Lower Upper
117 100
82 60.5 47.8 71.8
119 32.3 25.8 38.6

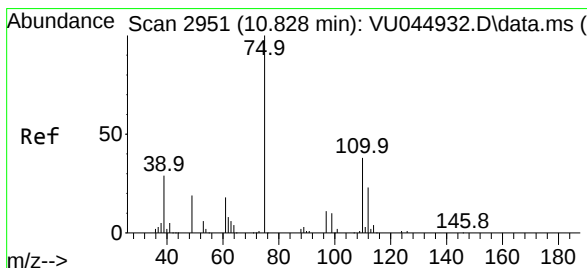
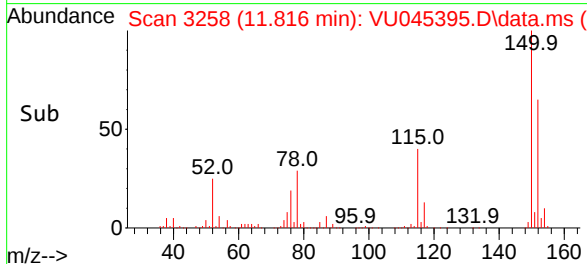
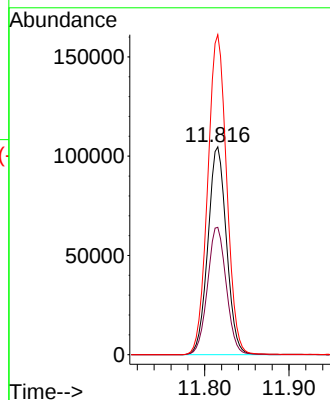
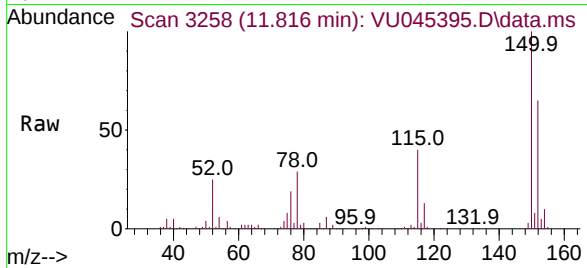




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.001 min
 Lab File: VU045395.D
 Acq: 25 Oct 2021 19:50

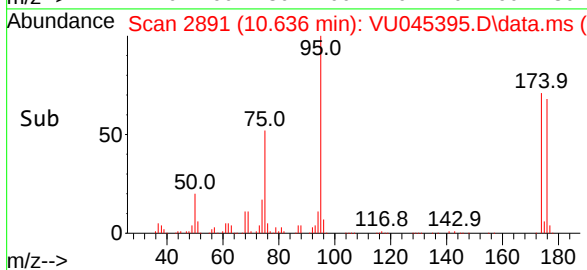
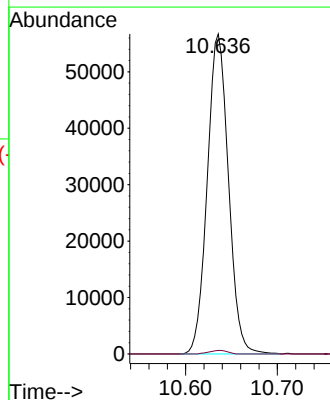
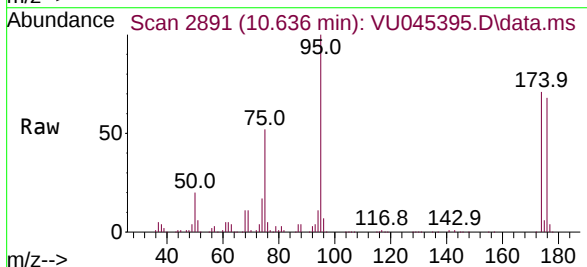
Instrument :
 MSVOA_U
 ClientSampled :

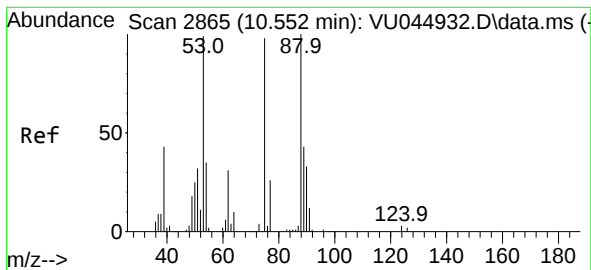
Tgt Ion:152 Resp: 160642
 Ion Ratio Lower Upper
 152 100
 115 62.1 43.5 130.7
 150 157.0 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 19.431 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.192 min
 Lab File: VU045395.D
 Acq: 25 Oct 2021 19:50

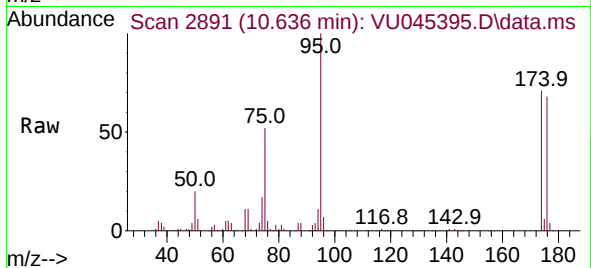
Tgt Ion: 75 Resp: 91045
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.9 53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.923 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. 0.084 min
 Lab File: VU045395.D
 Acq: 25 Oct 2021 19:50

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 91045
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

