

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102521\
 Data File : VU045391.D
 Acq On : 25 Oct 2021 18:15
 Operator : SY/MD
 Sample : M4300-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 04:45:28 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

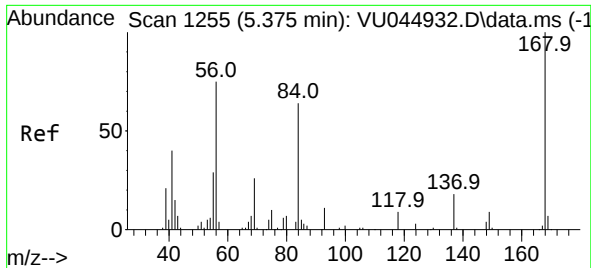
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.378	168	209339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	400299	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	370409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	161565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	169465	48.631	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.260%		
35) Dibromofluoromethane	5.292	113	124050	49.124	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.240%		
50) Toluene-d8	7.902	98	500453	50.158	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.320%		
62) 4-Bromofluorobenzene	10.635	95	177608	43.116	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.240%		
Target Compounds						Qvalue
3) Chloromethane	1.517	50	774	0.231	ug/l	93
11) Tert butyl alcohol	3.186	59	2062	2.062	ug/l #	72
16) Acetone	2.636	43	14161	6.846	ug/l	100
18) Methyl Acetate	2.957	43	4322	0.715	ug/l	93
20) Methylene Chloride	3.051	84	10574	3.394	ug/l	96
25) 2-Butanone	4.713	43	1771	0.603	ug/l #	86
29) Tetrahydrofuran	5.067	42	1047	0.598	ug/l #	79
31) Cyclohexane	5.375	56	5047	0.953	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	19374	4.628	ug/l #	50
37) Ethyl Acetate	4.713	43	1771	0.320	ug/l #	69
38) Carbon Tetrachloride	5.375	117	21537	5.946	ug/l #	16
41) Methacrylonitrile	5.070	41	616	0.216	ug/l #	33
43) Isopropyl Acetate	5.915	43	28041	3.365	ug/l	99
45) 1,2-Dichloropropane	7.041	63	2089	0.632	ug/l #	45
48) Methyl methacrylate	6.899	41	7994	1.971	ug/l #	14
49) 1,4-Dioxane	7.041	88	171	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.793	43	5823	0.960	ug/l	98
54) cis-1,3-Dichloropropene	7.742	75	48760	9.468	ug/l #	56
56) Ethyl methacrylate	8.465	69	249	1.859	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	28178	4.856	ug/l #	43
59) 2-Hexanone	8.729	43	385693	78.074	ug/l #	50
76) 1,2,3-Trichloropropane	10.635	75	92670	19.664	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	92670	54.572	ug/l #	9

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

Quant Time: Oct 26 04:45:28 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

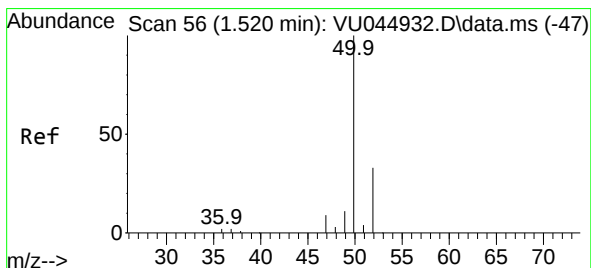
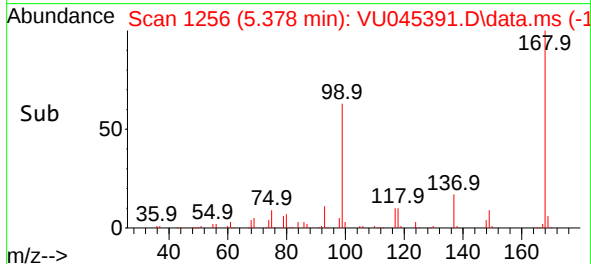
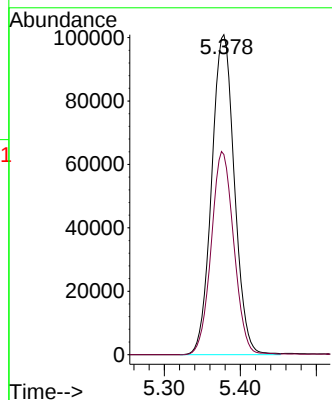
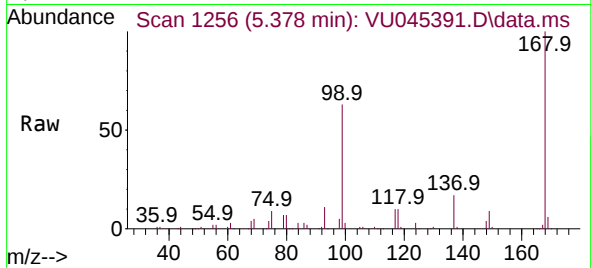




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.003 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

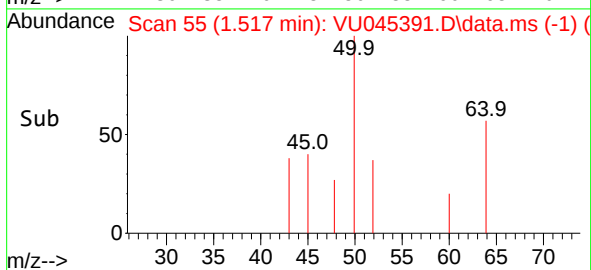
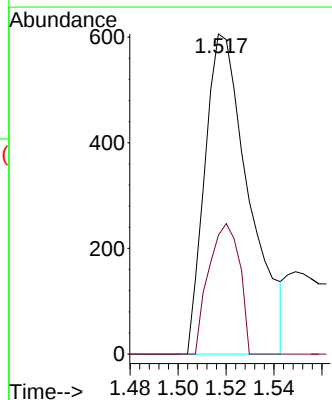
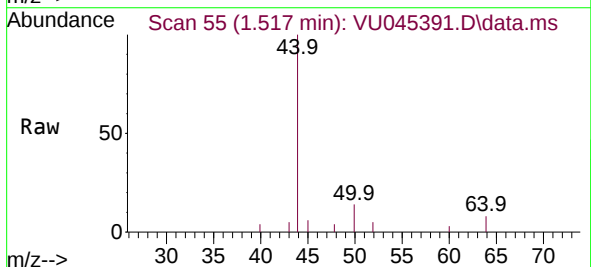
Instrument :
MSVOA_U
ClientSampled :

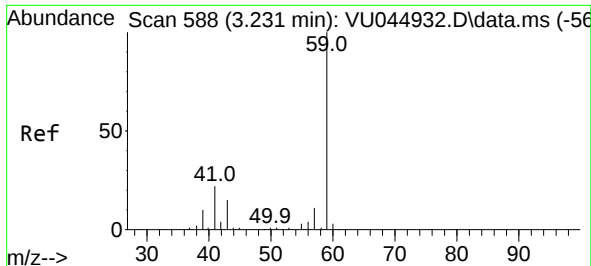
Tgt Ion:168 Resp: 209339
Ion Ratio Lower Upper
168 100
99 62.5 51.4 77.0



#3
Chloromethane
Concen: 0.231 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

Tgt Ion: 50 Resp: 774
Ion Ratio Lower Upper
50 100
52 37.1 26.3 39.5



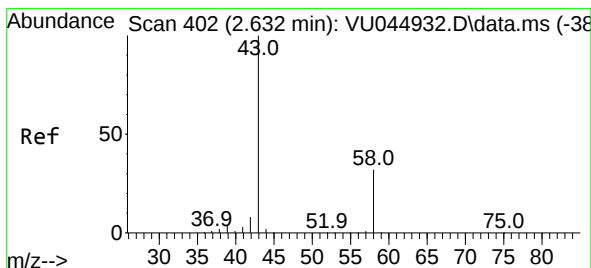
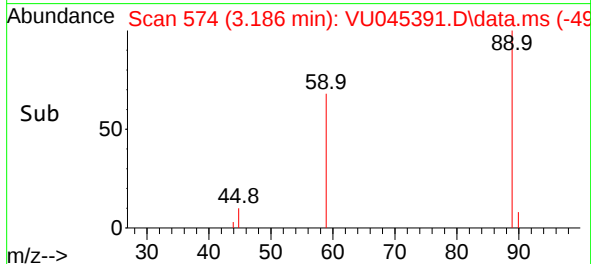
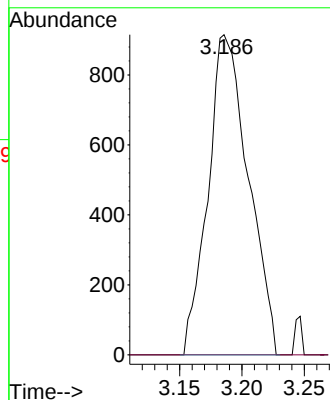
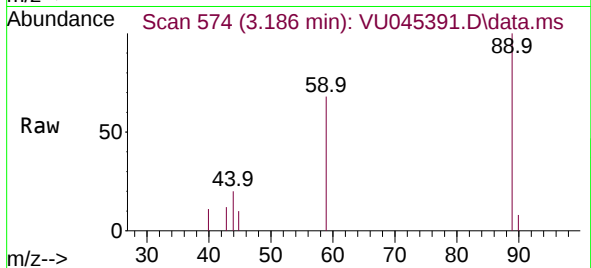


#11

Tert butyl alcohol
Concen: 2.062 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.045 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

Instrument :
MSVOA_U
ClientSampled :

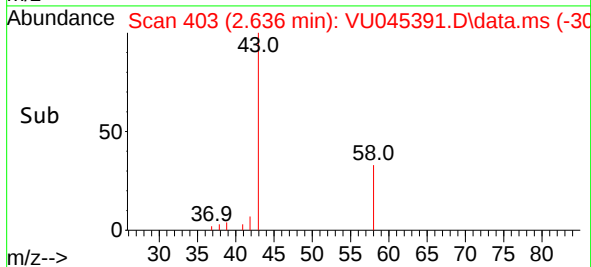
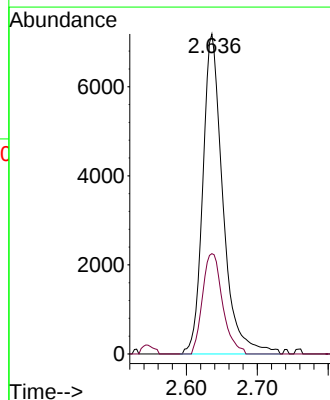
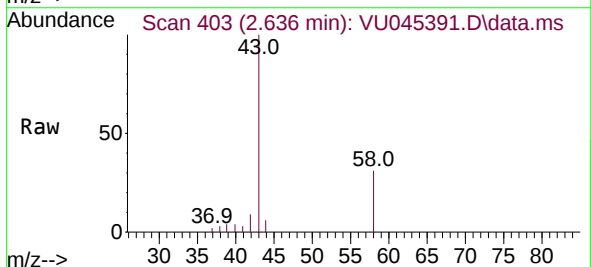
Tgt Ion: 59 Resp: 2062
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

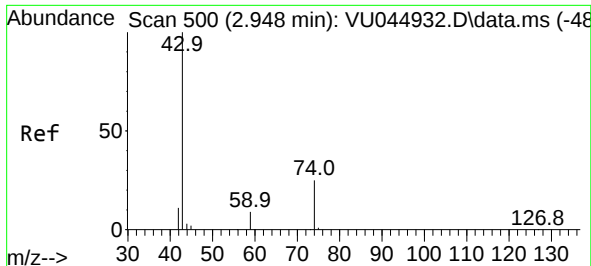


#16

Acetone
Concen: 6.846 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.004 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

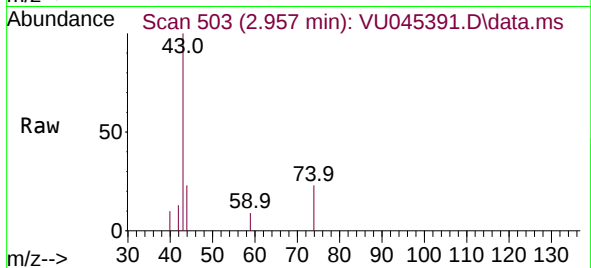
Tgt Ion: 43 Resp: 14161
Ion Ratio Lower Upper
43 100
58 31.4 25.2 37.8



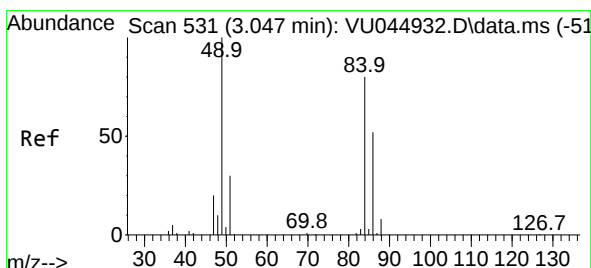
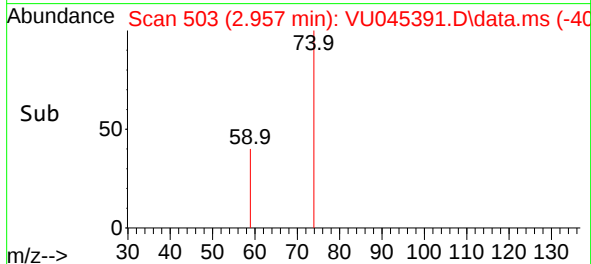
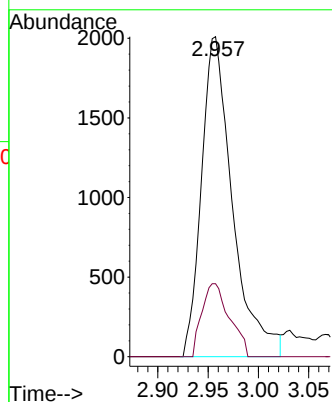


#18
Methyl Acetate
Concen: 0.715 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.009 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

Instrument :
MSVOA_U
ClientSampled :

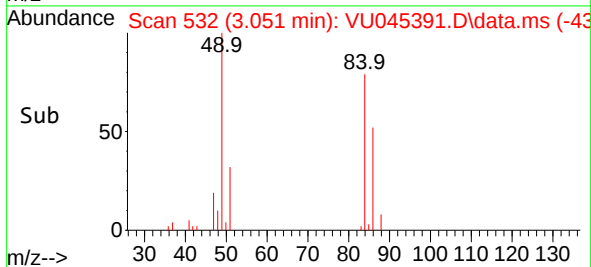
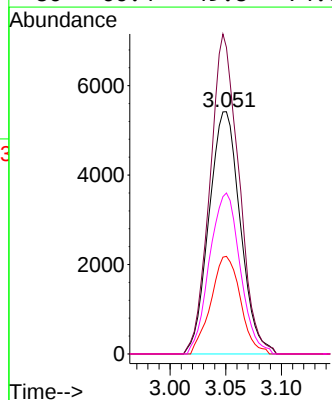
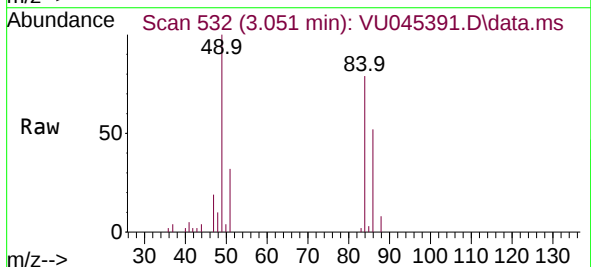


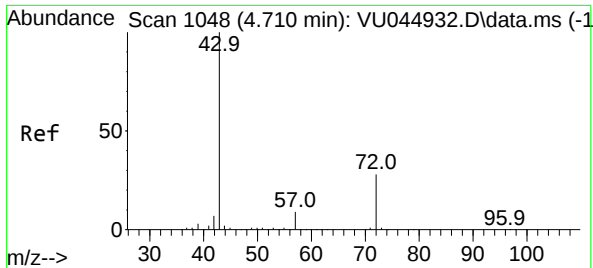
Tgt Ion: 43 Resp: 4322
Ion Ratio Lower Upper
43 100
74 20.3 19.0 28.6



#20
Methylene Chloride
Concen: 3.394 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.004 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

Tgt Ion: 84 Resp: 10574
Ion Ratio Lower Upper
84 100
49 126.6 104.9 157.3
51 40.3 31.8 47.8
86 66.4 49.8 74.6

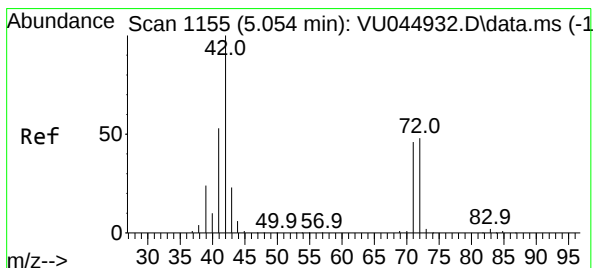
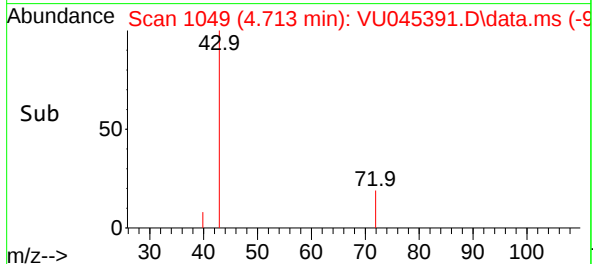
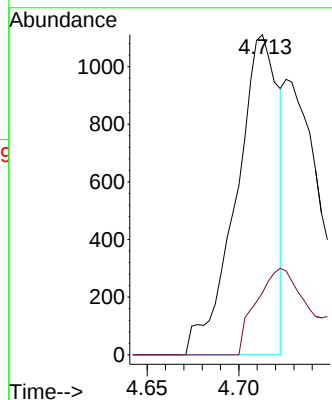
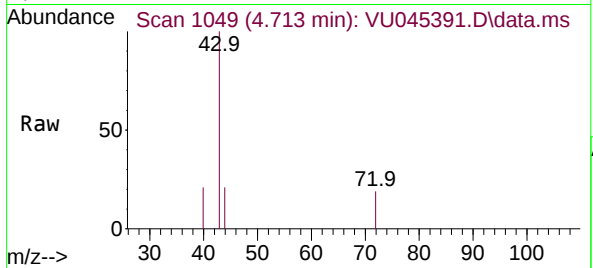




#25
2-Butanone
Concen: 0.603 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

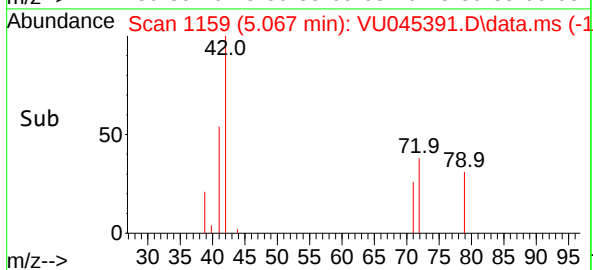
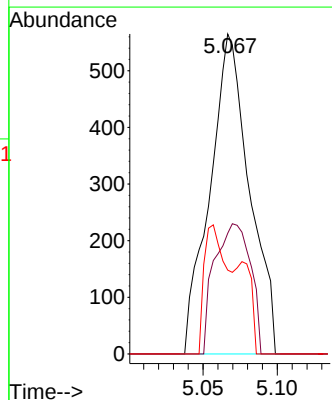
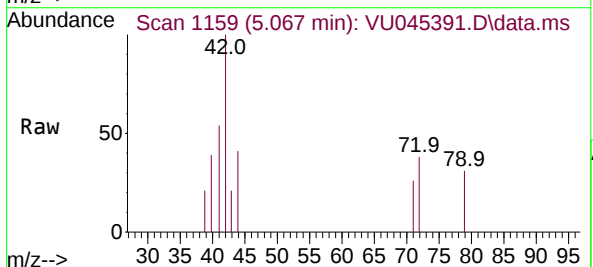
Instrument :
MSVOA_U
ClientSampled :

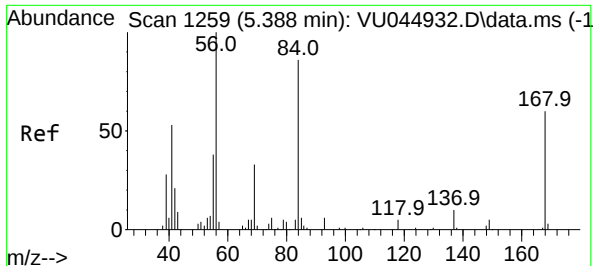
Tgt Ion: 43 Resp: 1771
Ion Ratio Lower Upper
43 100
72 19.4 21.3 31.9#



#29
Tetrahydrofuran
Concen: 0.598 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.013 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

Tgt Ion: 42 Resp: 1047
Ion Ratio Lower Upper
42 100
72 36.9 36.2 54.4
71 23.2 34.1 51.1#

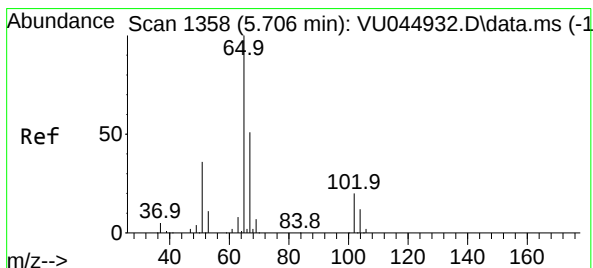
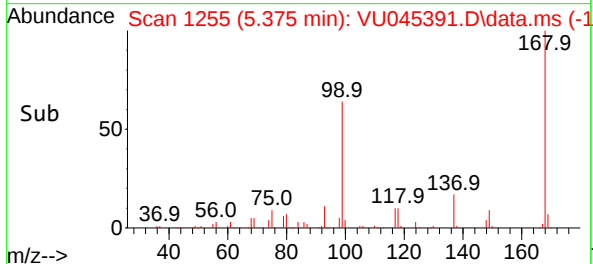
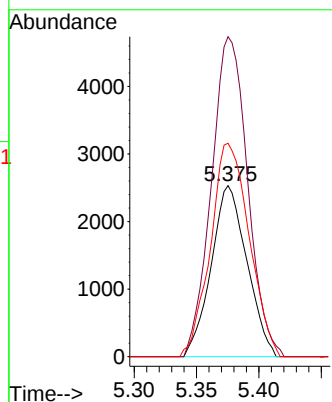
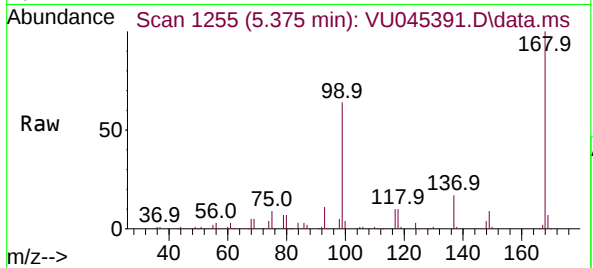




#31
Cyclohexane
Concen: 0.953 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.013 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

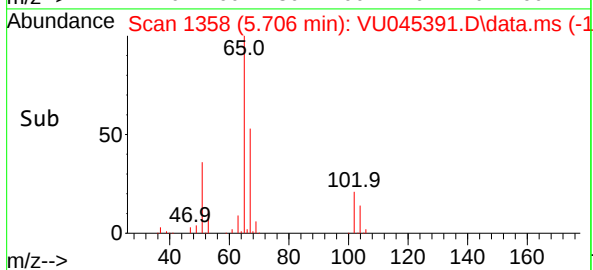
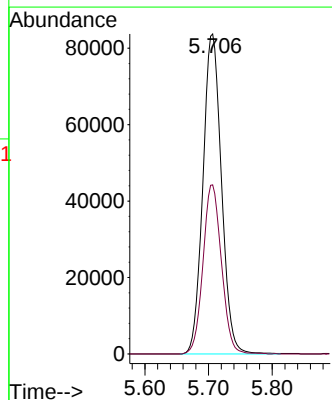
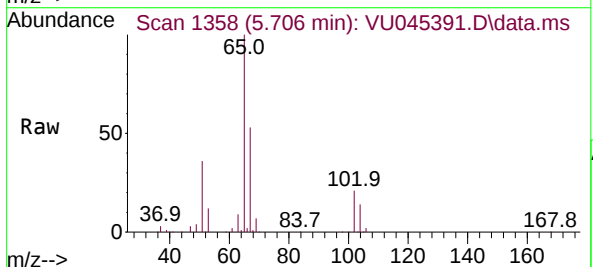
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MSVOA_U
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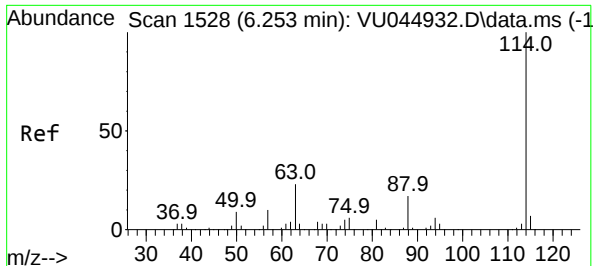
Tgt Ion: 56 Resp: 5047
Ion Ratio Lower Upper
56 100
69 187.1 25.2 37.8#
84 124.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.631 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

Tgt Ion: 65 Resp: 169465
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: VU045391.D

Acq: 25 Oct 2021 18:15

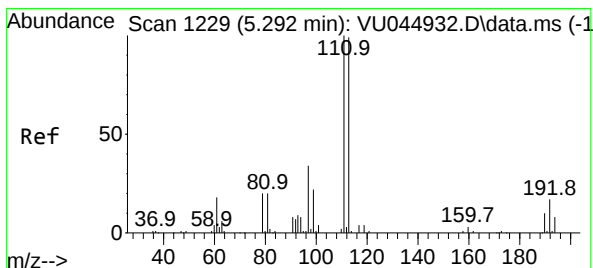
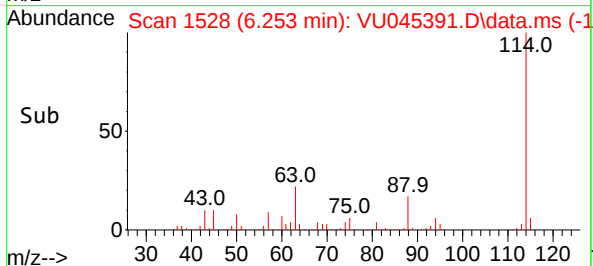
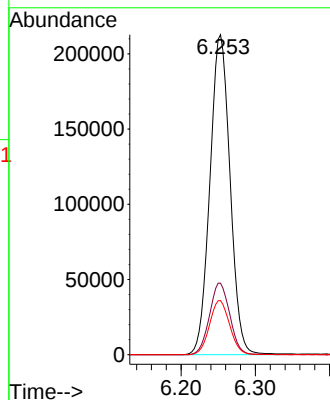
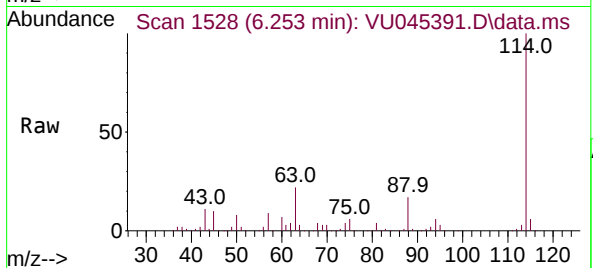
Tgt Ion:114 Resp: 400299

Ion Ratio Lower Upper

114 100

63 22.4 0.0 47.8

88 16.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.124 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045391.D

Acq: 25 Oct 2021 18:15

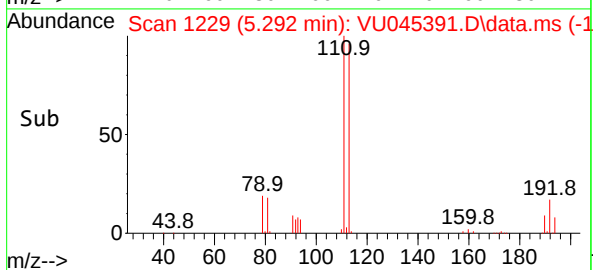
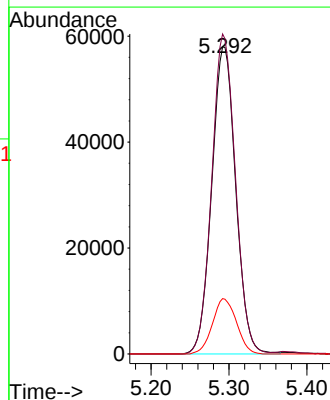
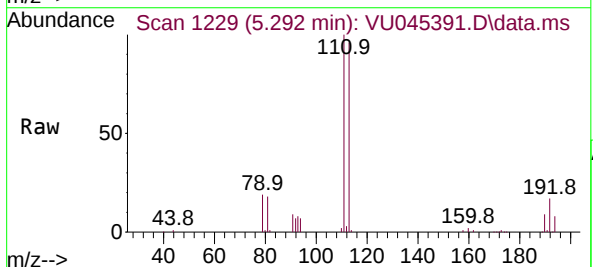
Tgt Ion:113 Resp: 124050

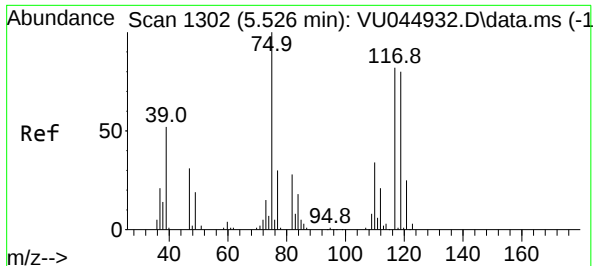
Ion Ratio Lower Upper

113 100

111 102.8 84.1 126.1

192 18.0 14.8 22.2



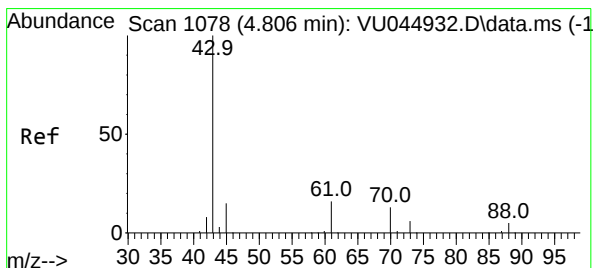
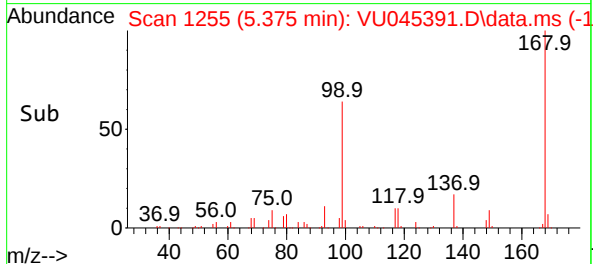
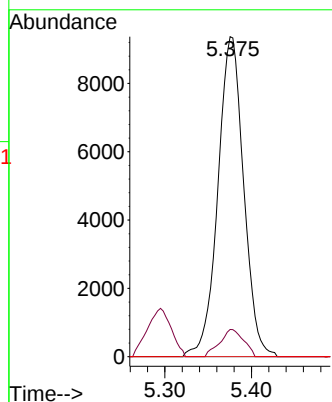
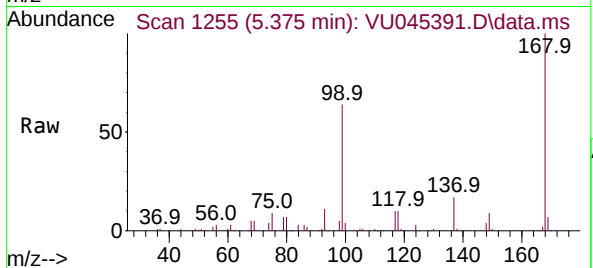


#36

1,1-Dichloropropene
Concen: 4.628 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

Instrument :
MSVOA_U
ClientSampled :

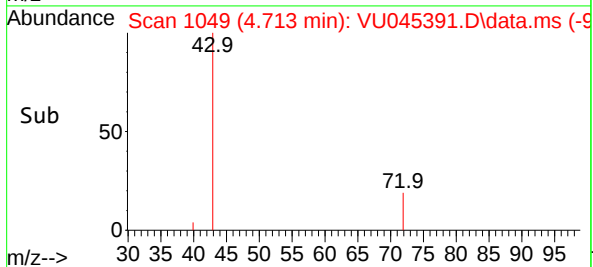
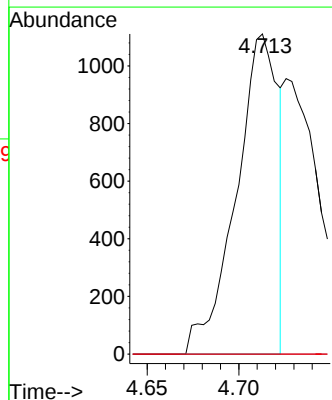
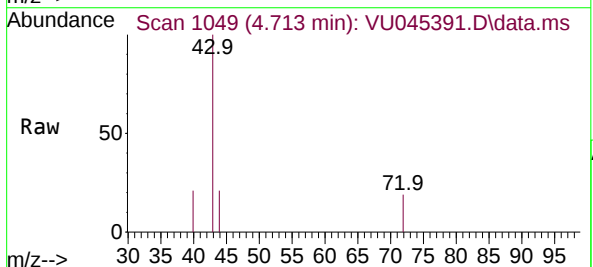
Tgt Ion: 75 Resp: 19374
Ion Ratio Lower Upper
75 100
110 7.8 16.3 48.9#
77 0.0 25.0 37.4#

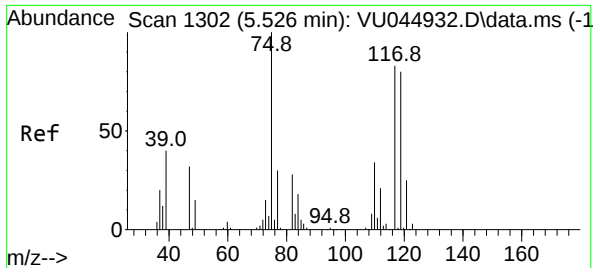


#37

Ethyl Acetate
Concen: 0.320 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. -0.093 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

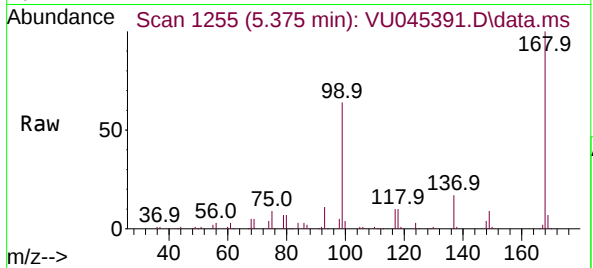
Tgt Ion: 43 Resp: 1771
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.2 12.4#



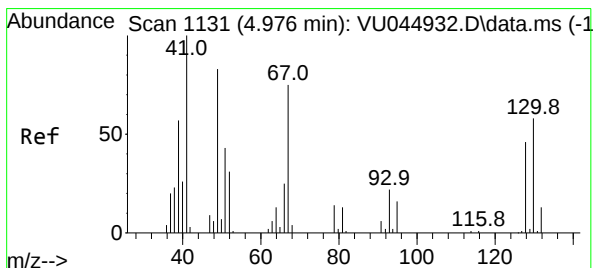
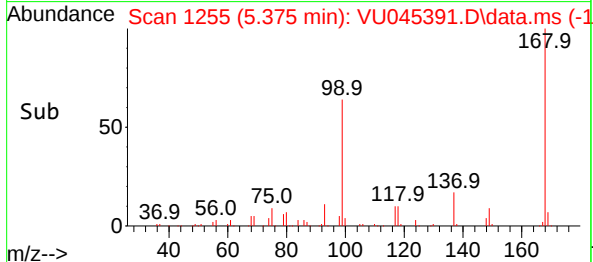
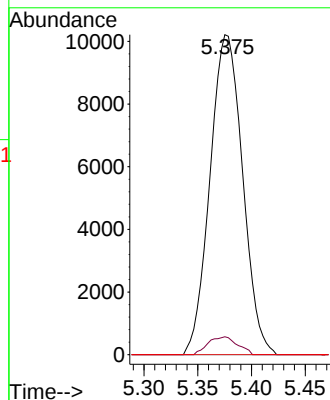


#38
Carbon Tetrachloride
Concen: 5.946 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

Instrument :
MSVOA_U
ClientSampled :

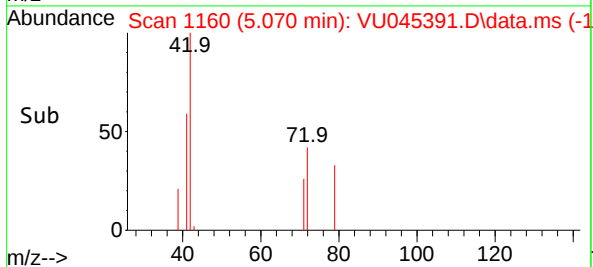
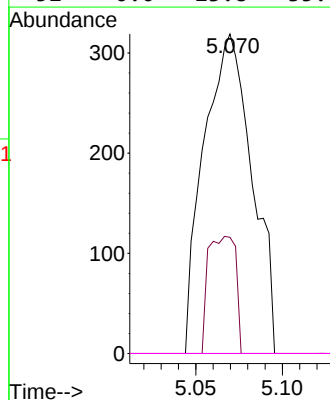
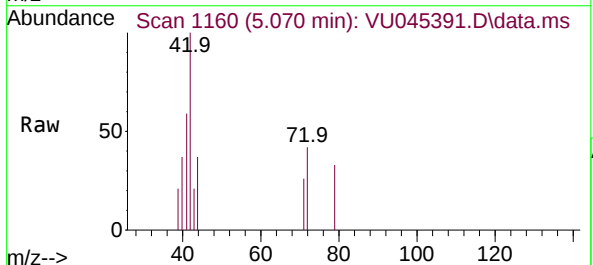


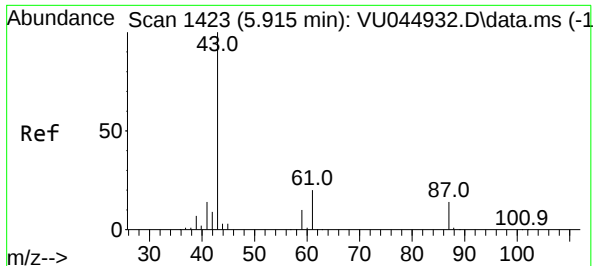
Tgt Ion:117 Resp: 21537
Ion Ratio Lower Upper
117 100
119 5.6 77.4 116.2#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.216 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.094 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

Tgt Ion: 41 Resp: 616
Ion Ratio Lower Upper
41 100
39 20.9 44.4 66.6#
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#

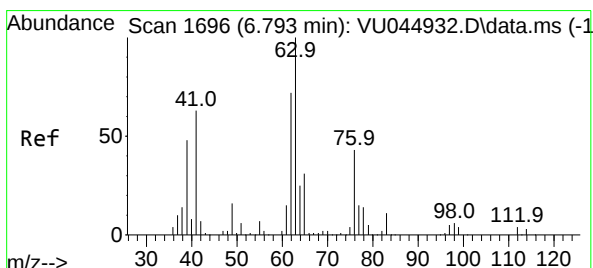
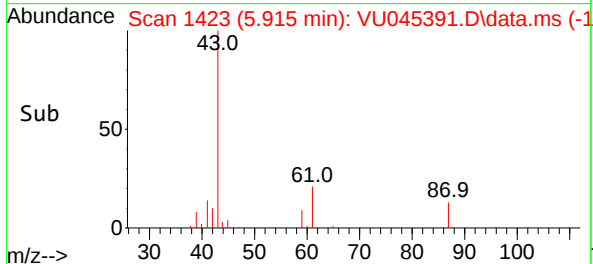
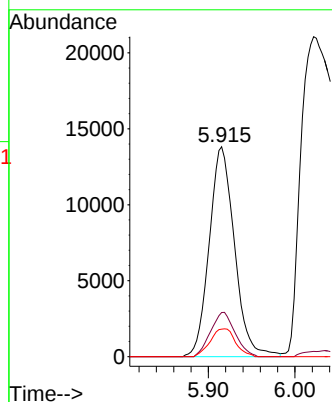
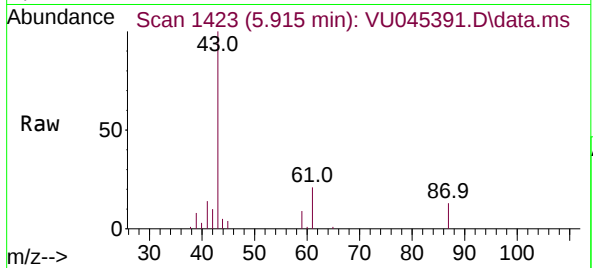




#43
Isopropyl Acetate
Concen: 3.365 ug/l
RT: 5.915 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

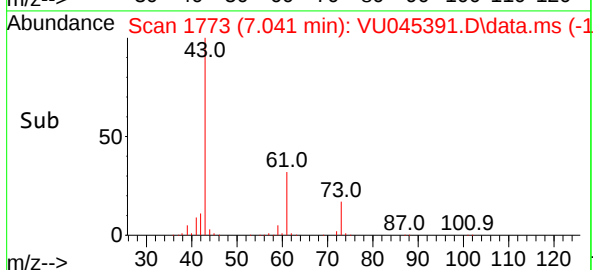
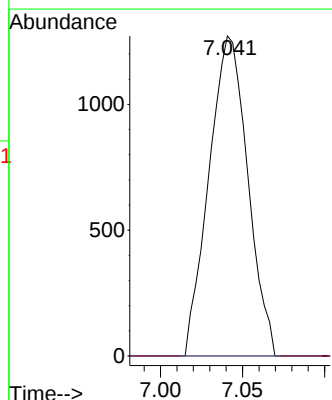
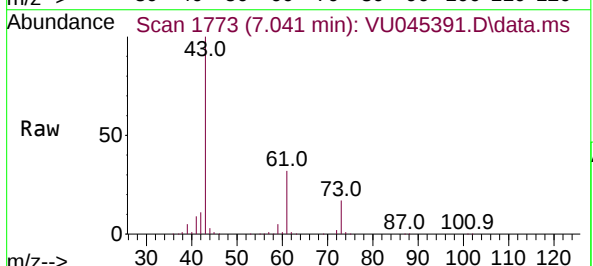
Instrument :
MSVOA_U
ClientSampleId :

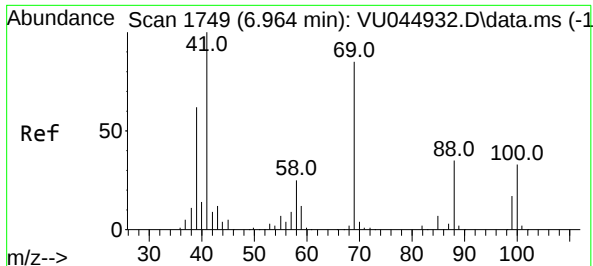
Tgt Ion:	43	Resp:	28041
Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.1	24.1
87	13.2	10.3	15.5



#45
1,2-Dichloropropane
Concen: 0.632 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.248 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

Tgt Ion:	63	Resp:	2089
Ion	Ratio	Lower	Upper
63	100		
65	0.0	23.9	35.9#





#48

Methyl methacrylate

Concen: 1.971 ug/l

RT: 6.899 min Scan# 1729

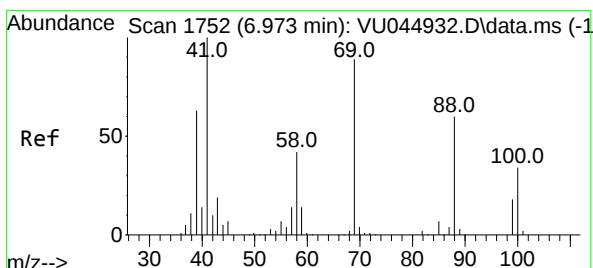
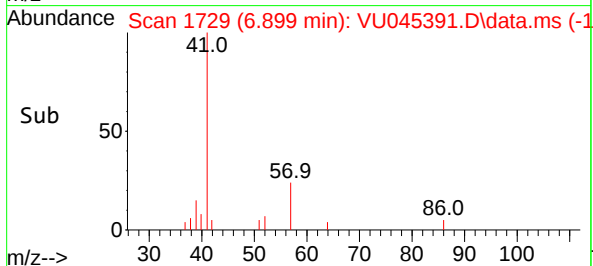
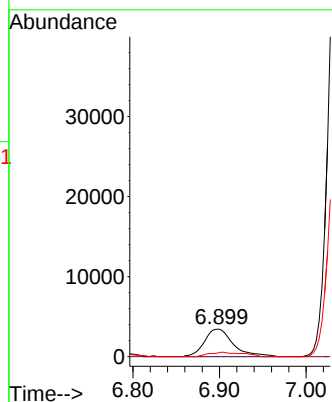
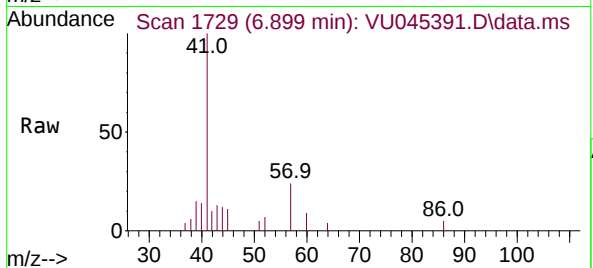
Delta R.T. -0.065 min

Lab File: VU045391.D

Acq: 25 Oct 2021 18:15

Tgt Ion:	41	Resp:	7994
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

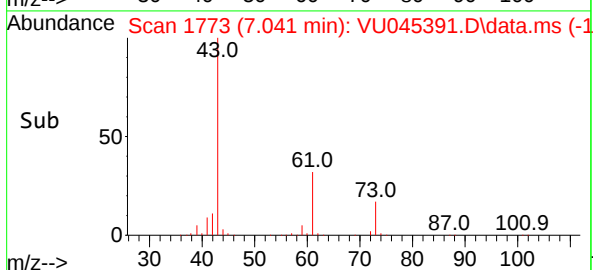
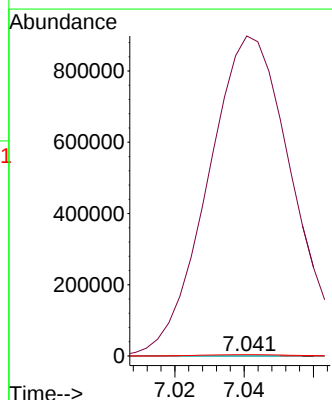
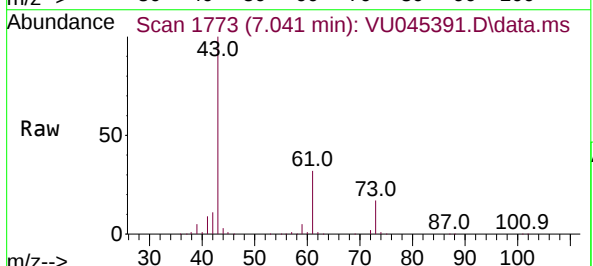
RT: 7.041 min Scan# 1773

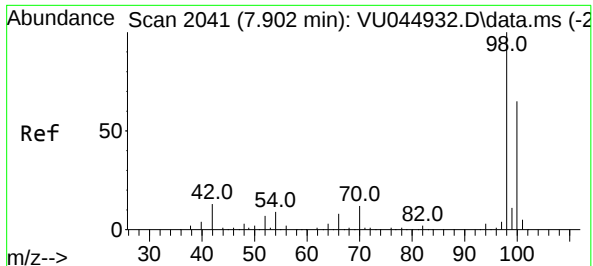
Delta R.T. 0.068 min

Lab File: VU045391.D

Acq: 25 Oct 2021 18:15

Tgt Ion:	88	Resp:	171
Ion	Ratio	Lower	Upper
88	100		
43	902563.7	25.8	38.6#
58	3871.9	61.3	91.9#

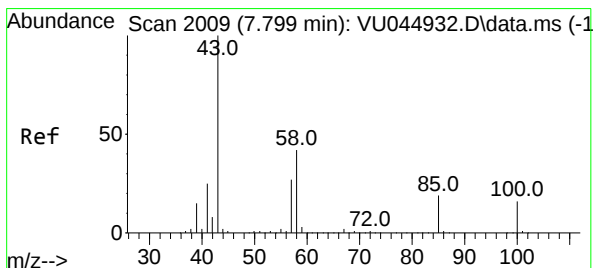
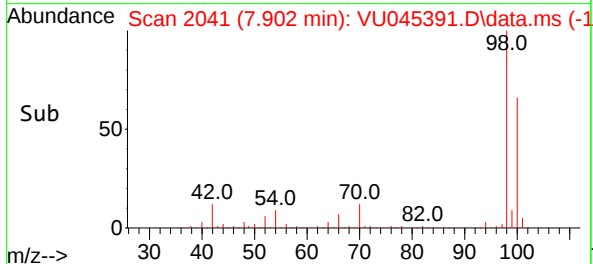
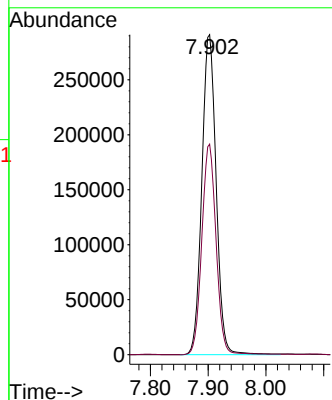
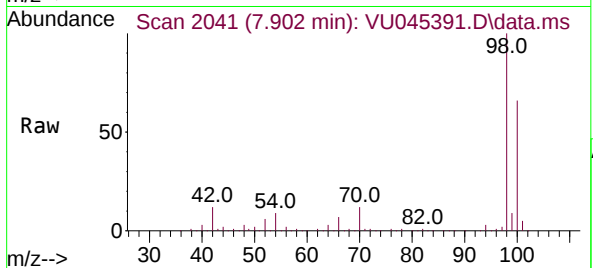




#50
Toluene-d8
Concen: 50.158 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

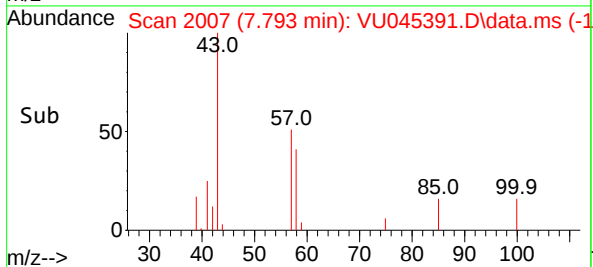
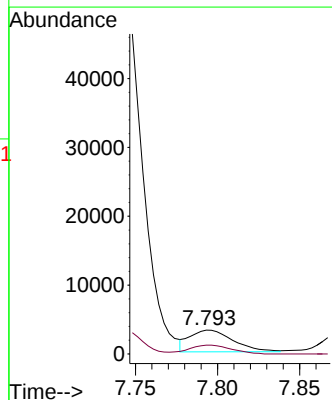
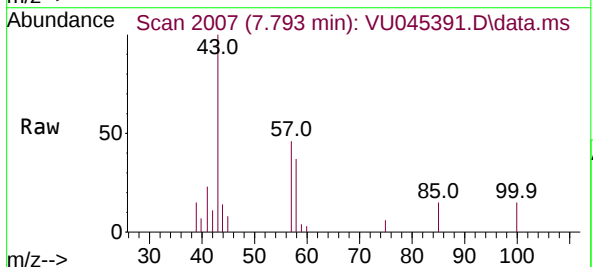
Instrument :
MSVOA_U
ClientSampleId :

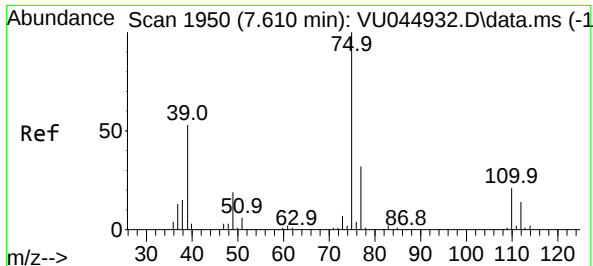
Tgt Ion: 98 Resp: 500453
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.960 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. -0.006 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

Tgt Ion: 43 Resp: 5823
Ion Ratio Lower Upper
43 100
58 39.4 32.4 48.6

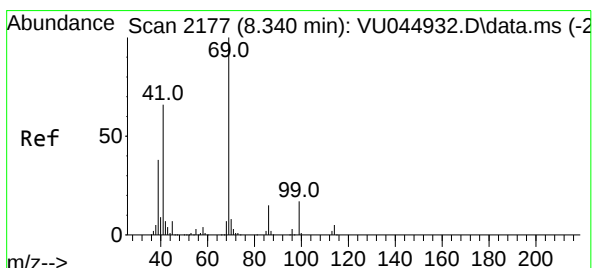
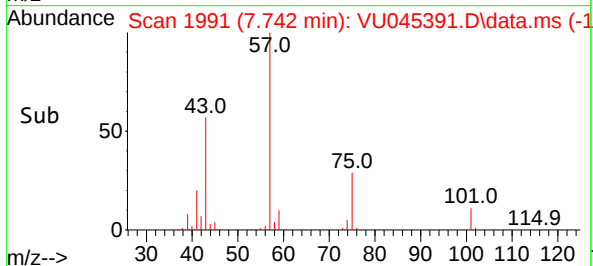
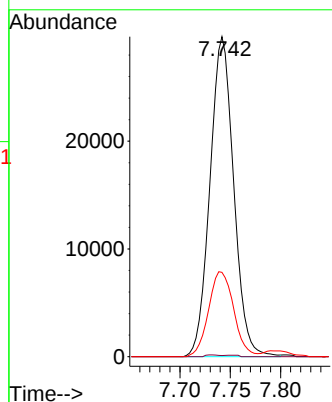
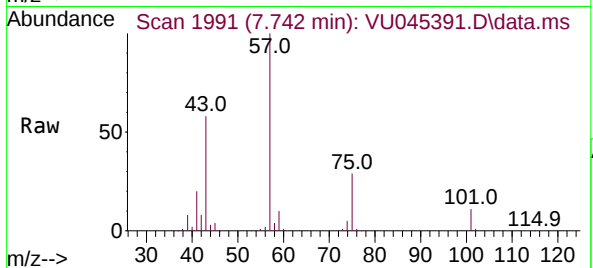




#54
 cis-1,3-Dichloropropene
 Concen: 9.468 ug/l
 RT: 7.742 min Scan# 1991
 Delta R.T. 0.132 min
 Lab File: VU045391.D
 Acq: 25 Oct 2021 18:15

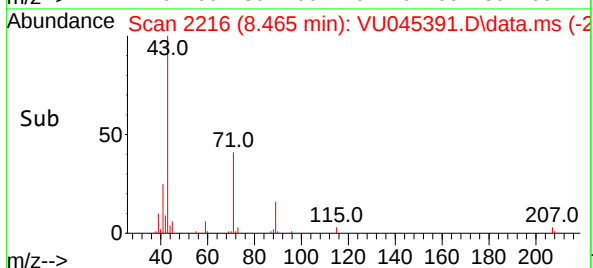
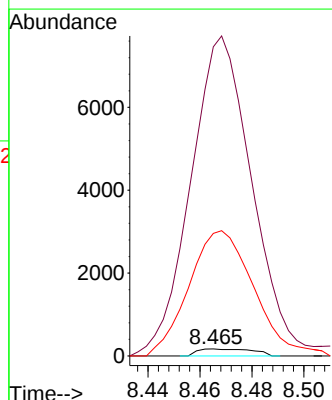
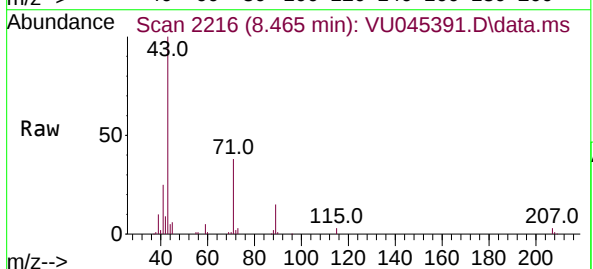
Instrument :
 MSVOA_U
 ClientSampled :

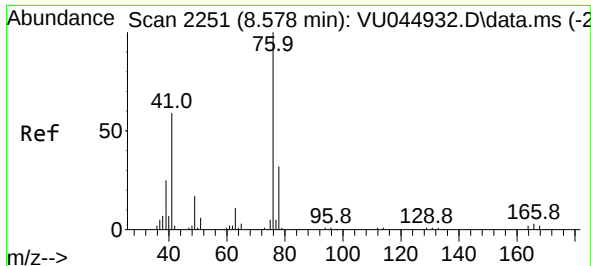
Tgt Ion: 75 Resp: 48760
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.0 37.6#
 39 26.3 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 1.859 ug/l
 RT: 8.465 min Scan# 2216
 Delta R.T. 0.125 min
 Lab File: VU045391.D
 Acq: 25 Oct 2021 18:15

Tgt Ion: 69 Resp: 249
 Ion Ratio Lower Upper
 69 100
 41 5153.8 53.5 80.3#
 39 2108.0 31.1 46.7#



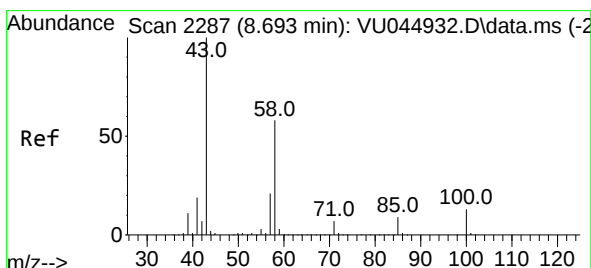
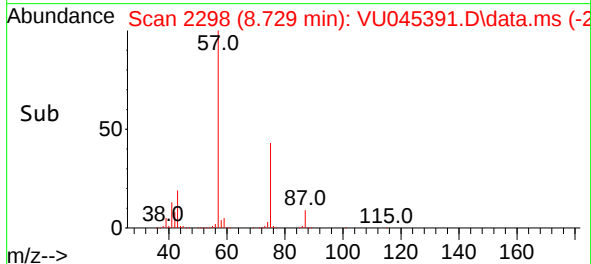
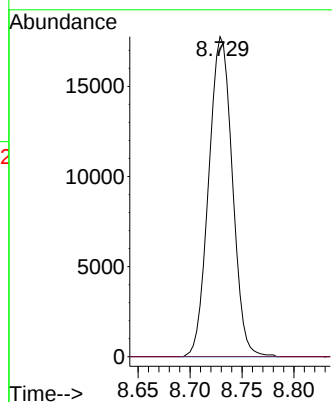
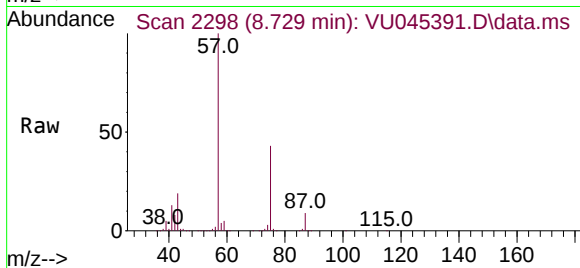


#57

1,3-Dichloropropane
Concen: 4.856 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

Instrument :
MSVOA_U
ClientSampled :

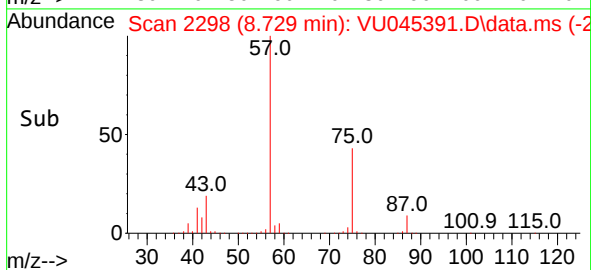
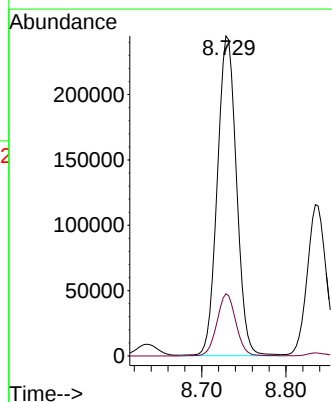
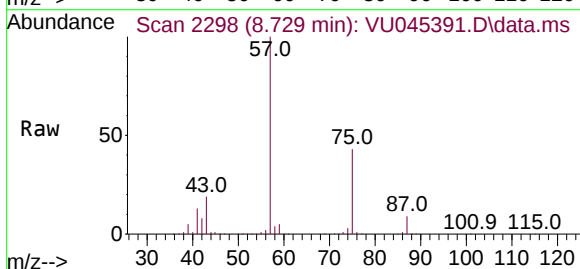
Tgt Ion: 76 Resp: 28178
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

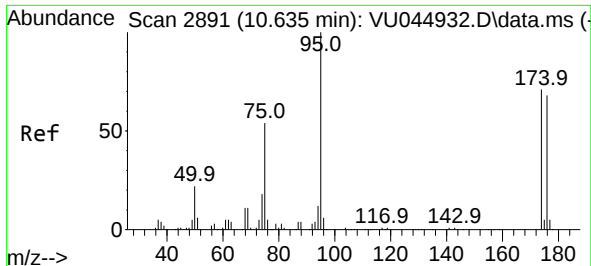


#59

2-Hexanone
Concen: 78.074 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.036 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

Tgt Ion: 43 Resp: 385693
Ion Ratio Lower Upper
43 100
58 19.3 28.0 84.0#

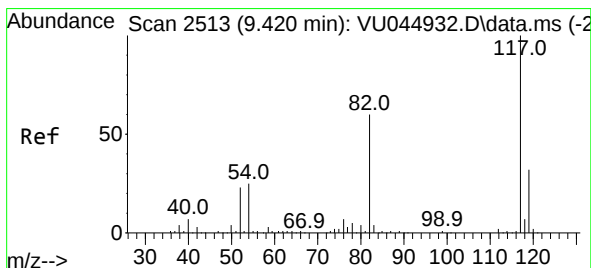
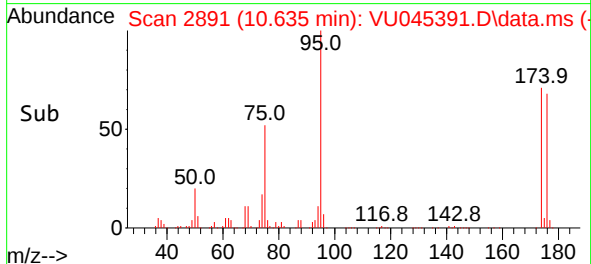
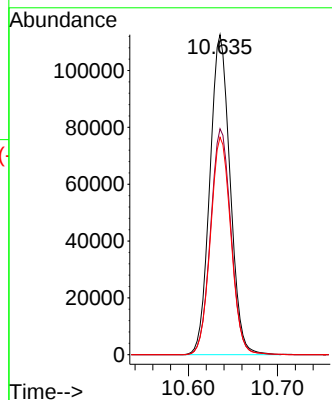
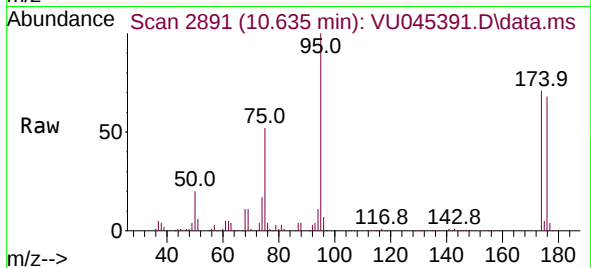




#62
4-Bromofluorobenzene
Concen: 43.116 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

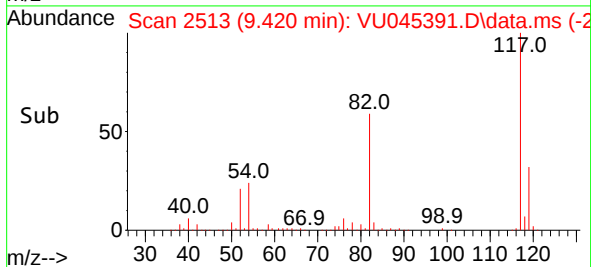
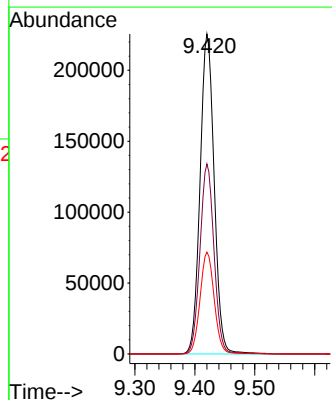
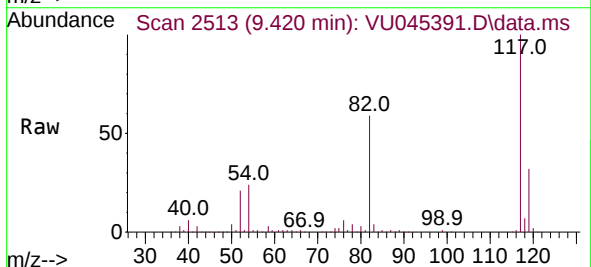
Instrument :
MSVOA_U
ClientSampleId :

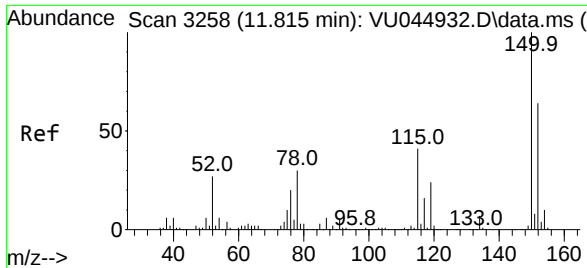
Tgt Ion: 95 Resp: 177608
Ion Ratio Lower Upper
95 100
174 71.3 0.0 146.6
176 68.6 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045391.D
Acq: 25 Oct 2021 18:15

Tgt Ion: 117 Resp: 370409
Ion Ratio Lower Upper
117 100
82 59.4 47.8 71.8
119 31.8 25.8 38.6

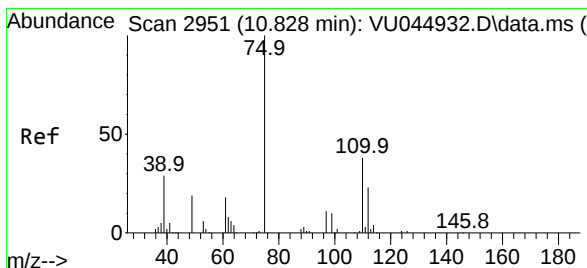
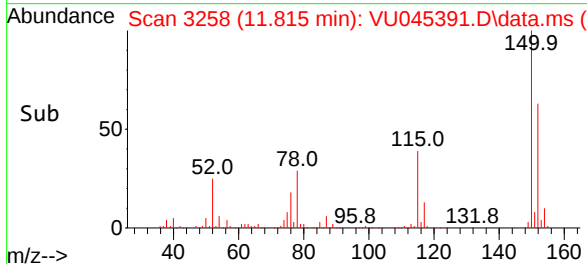
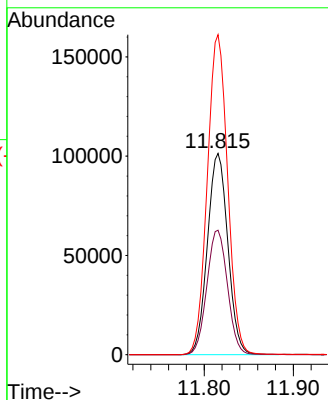
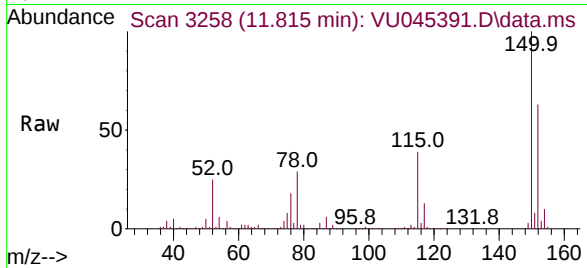




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.815 min Scan# 3258
 Delta R.T. 0.000 min
 Lab File: VU045391.D
 Acq: 25 Oct 2021 18:15

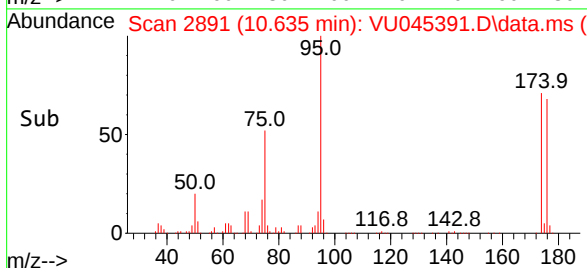
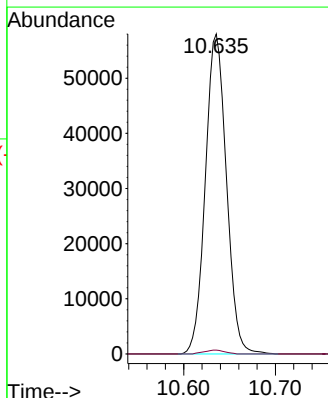
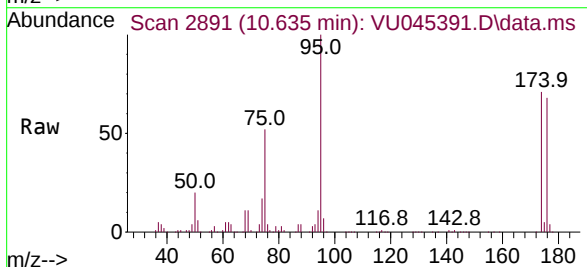
Instrument :
 MSVOA_U
 ClientSampled :

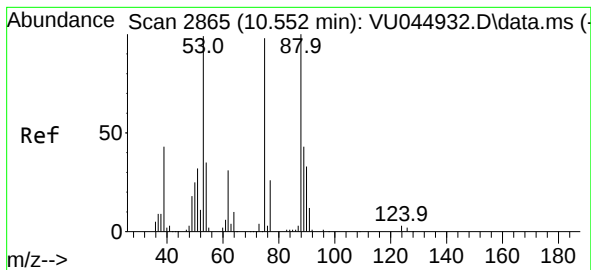
Tgt Ion:152 Resp: 161565
 Ion Ratio Lower Upper
 152 100
 115 62.4 43.5 130.7
 150 158.3 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 19.664 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. -0.193 min
 Lab File: VU045391.D
 Acq: 25 Oct 2021 18:15

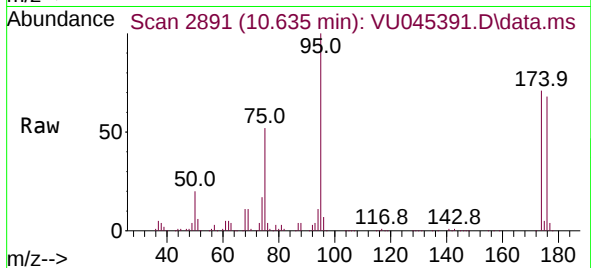
Tgt Ion: 75 Resp: 92670
 Ion Ratio Lower Upper
 75 100
 77 1.2 17.9 53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.572 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. 0.083 min
 Lab File: VU045391.D
 Acq: 25 Oct 2021 18:15

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 92670
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

