

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100121\
 Data File : VU045078.D
 Acq On : 01 Oct 2021 17:12
 Operator : SY/MD
 Sample : M3823-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 02 03:12:52 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)

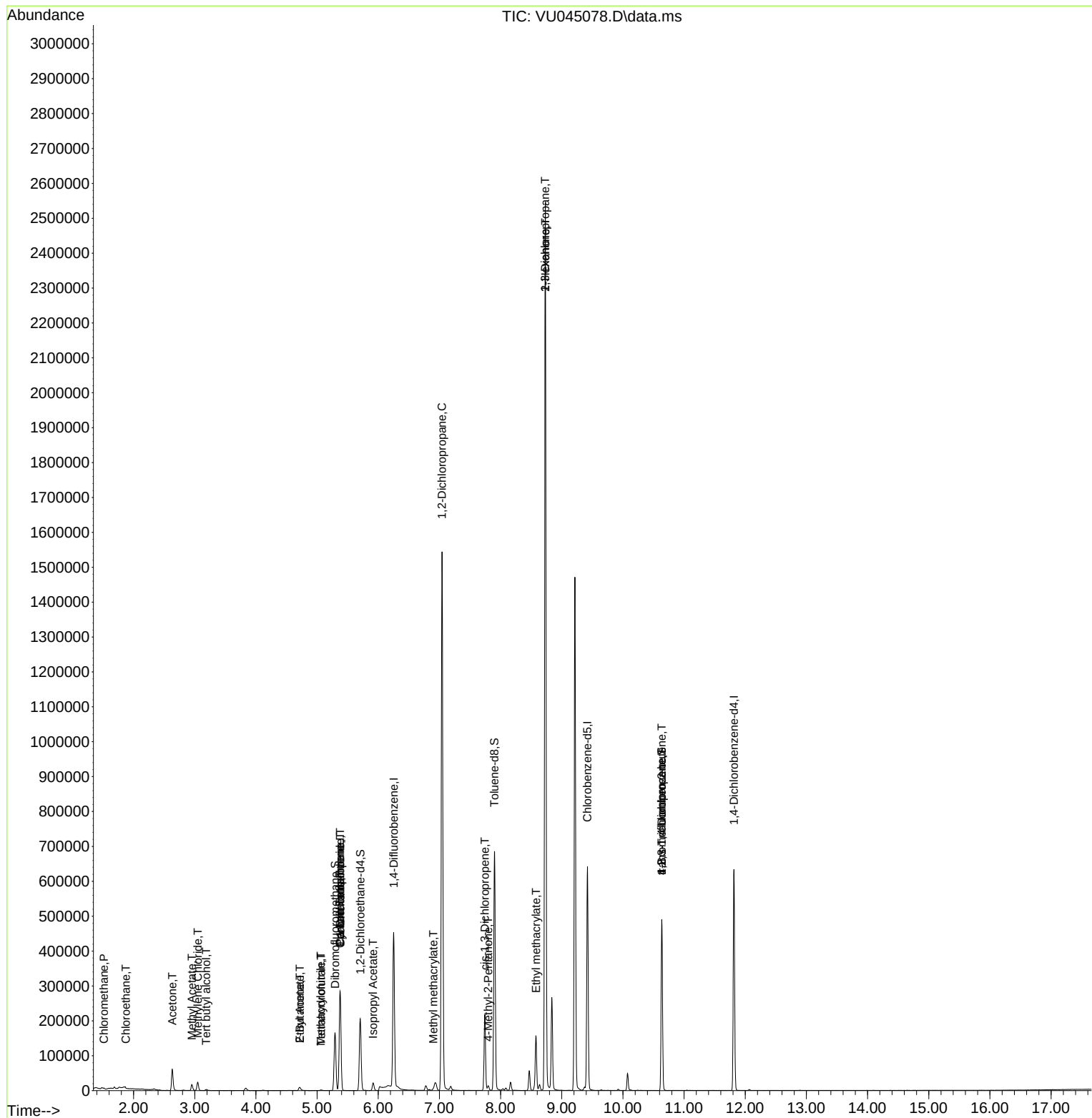
Internal Standards						
1) Pentafluorobenzene	5.375	168	184769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	341711	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	329575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	151099	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	156118	50.758	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.520%	
35) Dibromofluoromethane	5.295	113	106801	49.545	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.100%	
50) Toluene-d8	7.899	98	440530	51.722	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.440%	
62) 4-Bromofluorobenzene	10.636	95	163575	46.518	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.040%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	729	0.246	ug/l	91
6) Chloroethane	1.874	64	1199	0.527	ug/l #	42
11) Tert butyl alcohol	3.189	59	2151	2.437	ug/l #	72
16) Acetone	2.633	43	71314	39.062	ug/l	99
18) Methyl Acetate	2.951	43	21492	4.028	ug/l	100
20) Methylene Chloride	3.051	84	11404	4.147	ug/l	92
25) 2-Butanone	4.716	43	15685	6.047	ug/l	100
29) Tetrahydrofuran	5.067	42	1303	0.844	ug/l #	87
31) Cyclohexane	5.378	56	4846	1.037	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	17933	5.018	ug/l #	50
37) Ethyl Acetate	4.716	43	15685	3.317	ug/l #	69
38) Carbon Tetrachloride	5.375	117	19289	6.238	ug/l #	15
41) Methacrylonitrile	5.063	41	676	0.278	ug/l #	29
43) Isopropyl Acetate	5.915	43	23797	3.345	ug/l	98
45) 1,2-Dichloropropane	7.041	63	1914	0.678	ug/l #	45
48) Methyl methacrylate	6.903	41	8804	2.543	ug/l #	14
49) 1,4-Dioxane	7.041	88	144	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.796	43	8503	1.642	ug/l	98
54) cis-1,3-Dichloropropene	7.742	75	38913	8.851	ug/l #	61
56) Ethyl methacrylate	8.581	69	974	1.995	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	26142	5.278	ug/l #	43
59) 2-Hexanone	8.732	43	358157	84.931	ug/l #	49
76) 1,2,3-Trichloropropane	10.636	75	88098	19.989	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	88098	55.473	ug/l #	9

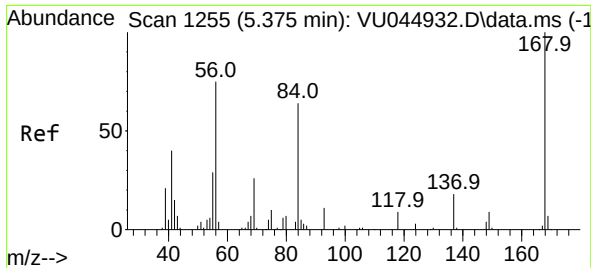
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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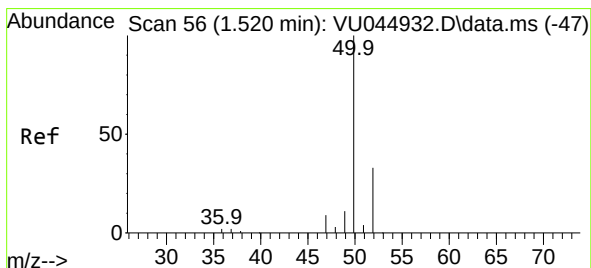
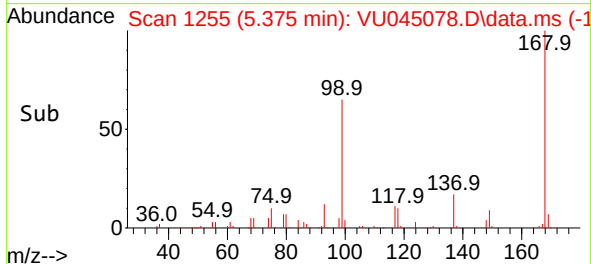
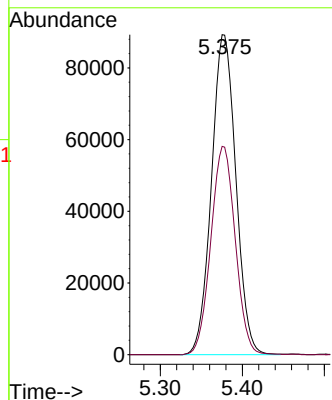
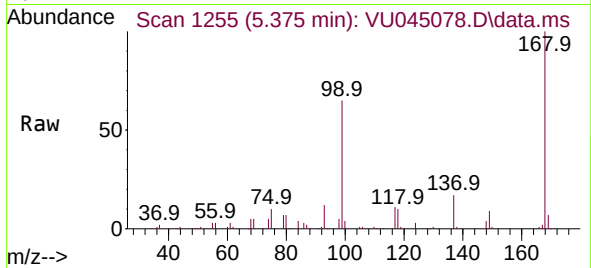




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

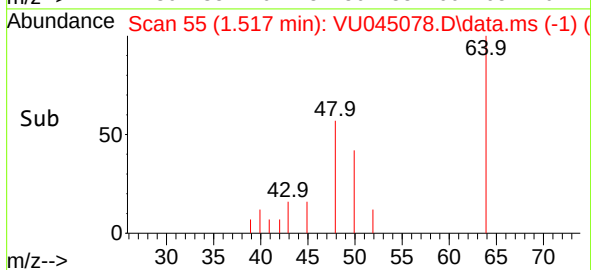
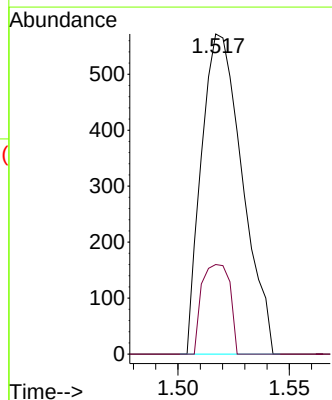
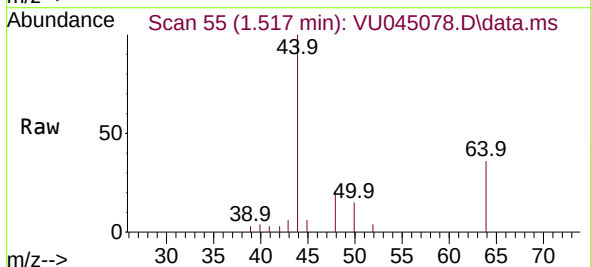
Instrument :
MSVOA_U
ClientSampleId :

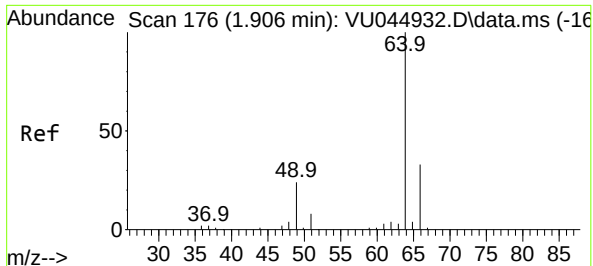
Tgt Ion:168 Resp: 184769
Ion Ratio Lower Upper
168 100
99 65.1 51.4 77.0



#3
Chloromethane
Concen: 0.246 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

Tgt Ion: 50 Resp: 729
Ion Ratio Lower Upper
50 100
52 28.0 26.3 39.5

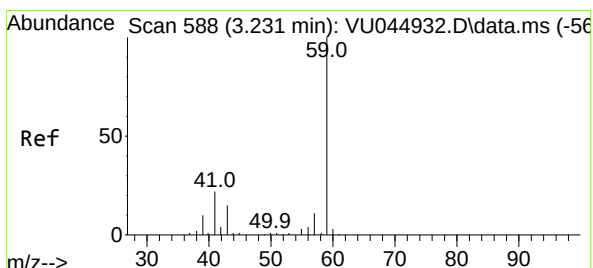
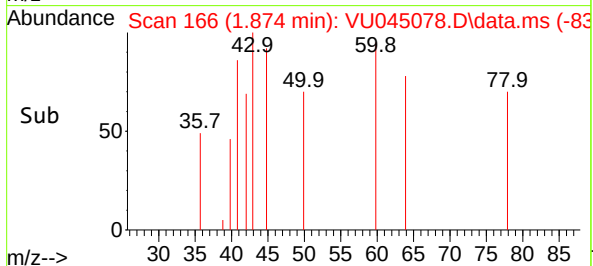
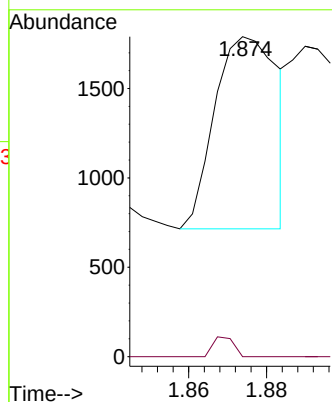
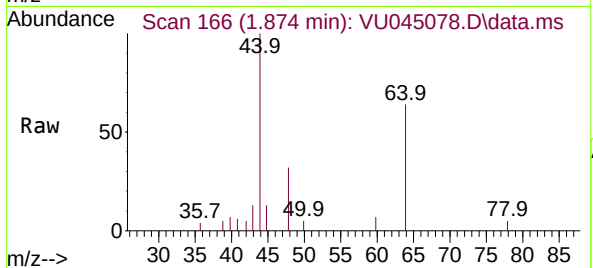




#6
Chloroethane
Concen: 0.527 ug/l
RT: 1.874 min Scan# 166
Delta R.T. -0.032 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

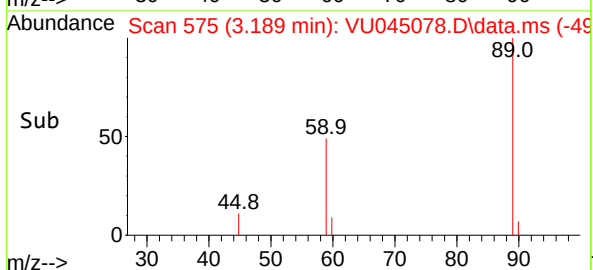
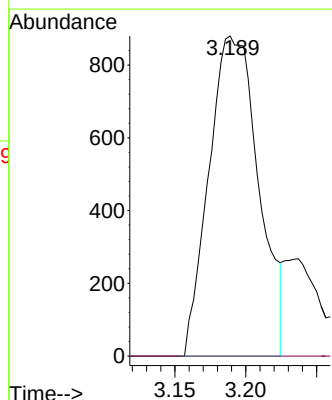
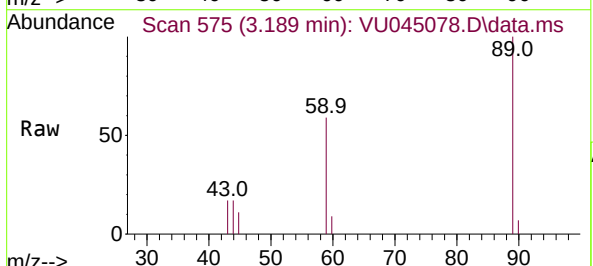
Instrument :
MSVOA_U
ClientSampleId :

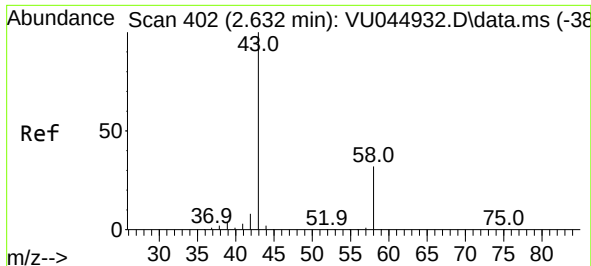
Tgt Ion: 64 Resp: 1199
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



#11
Tert butyl alcohol
Concen: 2.437 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.042 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

Tgt Ion: 59 Resp: 2151
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

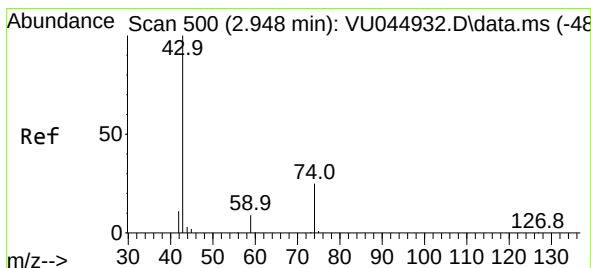
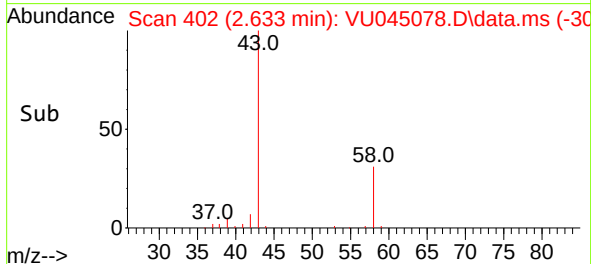
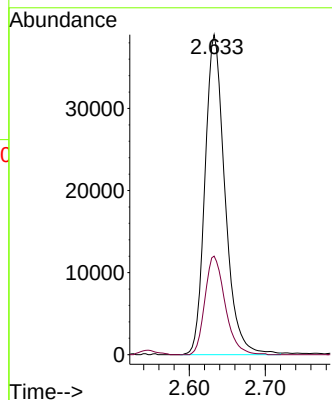
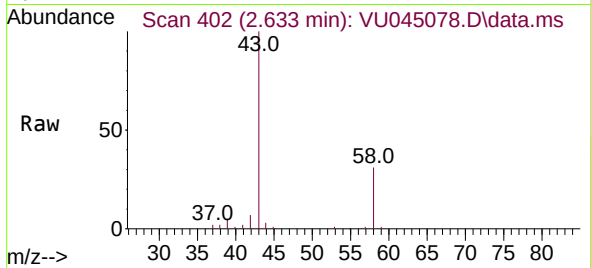




#16
Acetone
Concen: 39.062 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.001 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

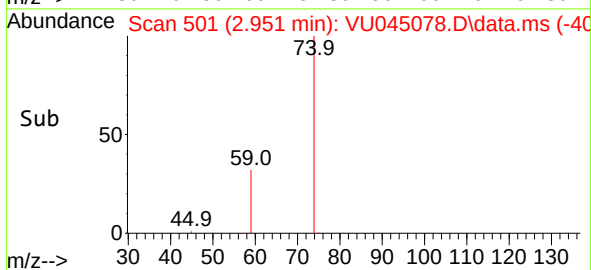
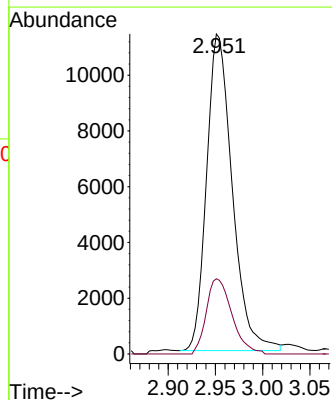
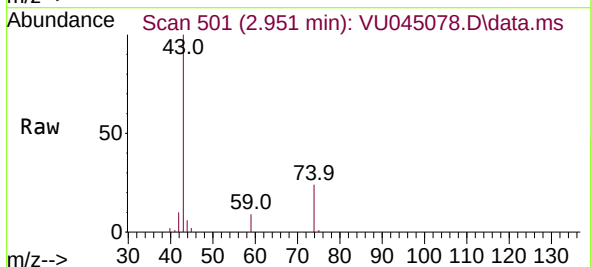
Instrument :
MSVOA_U
ClientSampled :

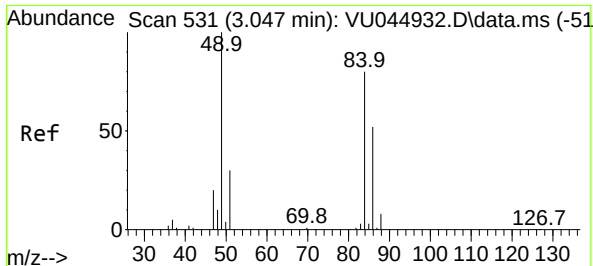
Tgt Ion: 43 Resp: 71314
Ion Ratio Lower Upper
43 100
58 30.8 25.2 37.8



#18
Methyl Acetate
Concen: 4.028 ug/l
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

Tgt Ion: 43 Resp: 21492
Ion Ratio Lower Upper
43 100
74 23.6 19.0 28.6

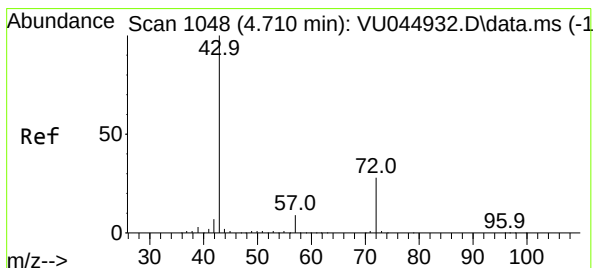
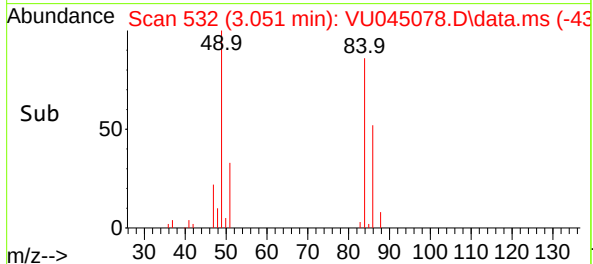
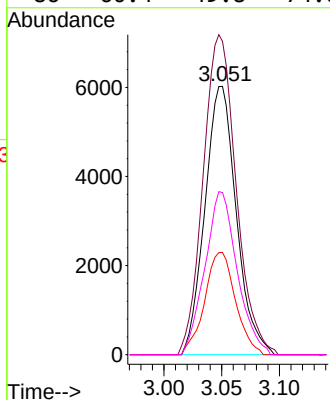
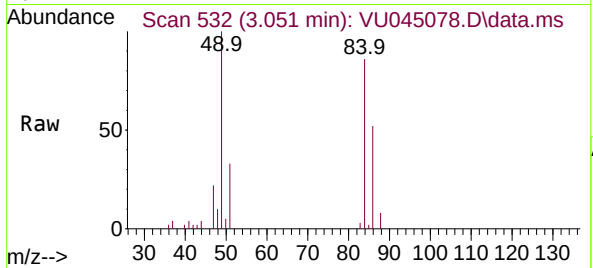




#20
Methylene Chloride
Concen: 4.147 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.004 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

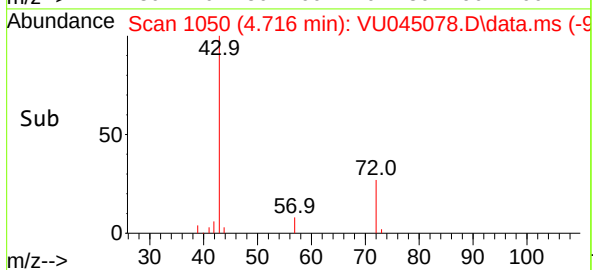
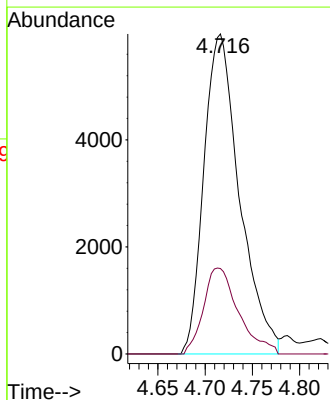
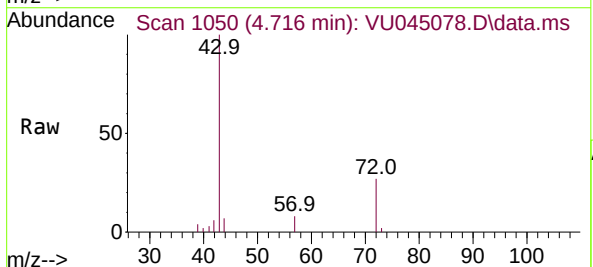
Instrument :
MSVOA_U
ClientSampled :

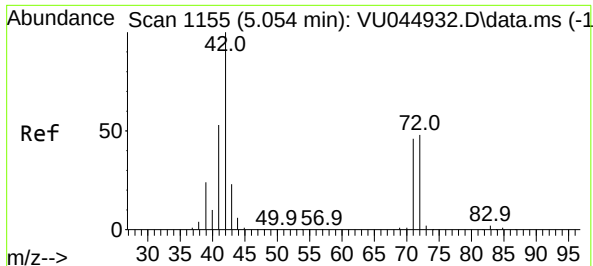
Tgt Ion:	84	Resp:	11404
Ion	Ratio	Lower	Upper
84	100		
49	116.7	104.9	157.3
51	38.1	31.8	47.8
86	60.4	49.8	74.6



#25
2-Butanone
Concen: 6.047 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

Tgt Ion:	43	Resp:	15685
Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.3	31.9





#29

Tetrahydrofuran

Concen: 0.844 ug/l

RT: 5.067 min Scan# 1159

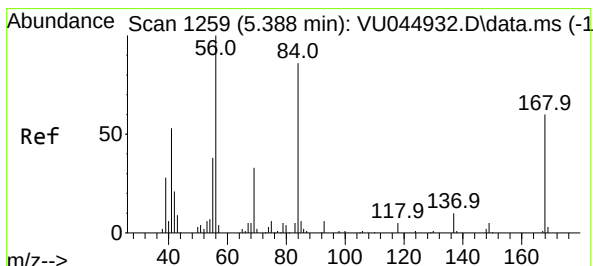
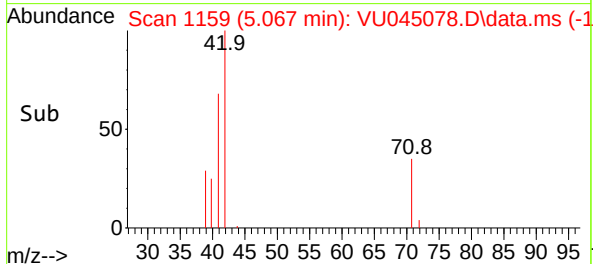
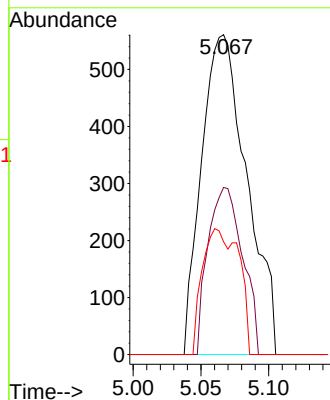
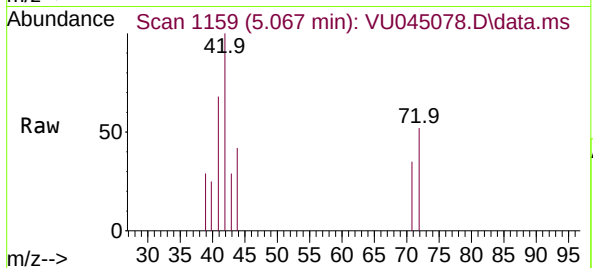
Delta R.T. 0.013 min

Lab File: VU045078.D

Acq: 01 Oct 2021 17:12

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:	42	Resp:	1303
Ion	Ratio	Lower	Upper
42	100		
72	39.8	36.2	54.4
71	31.6	34.1	51.1#



#31

Cyclohexane

Concen: 1.037 ug/l

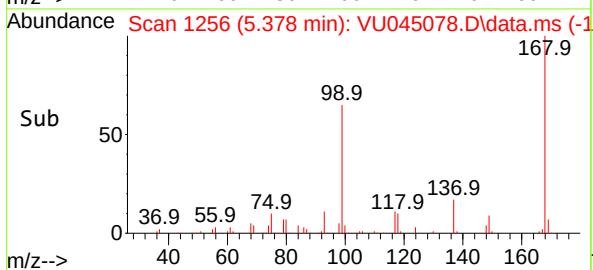
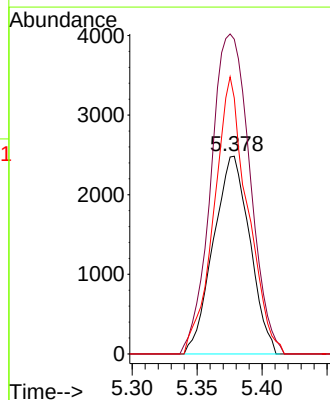
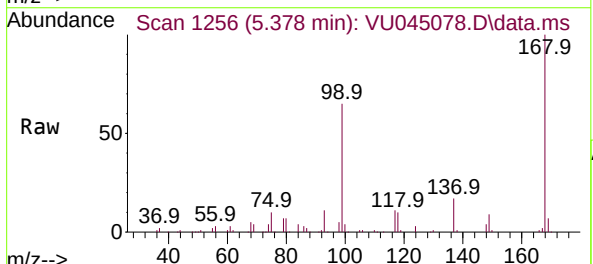
RT: 5.378 min Scan# 1256

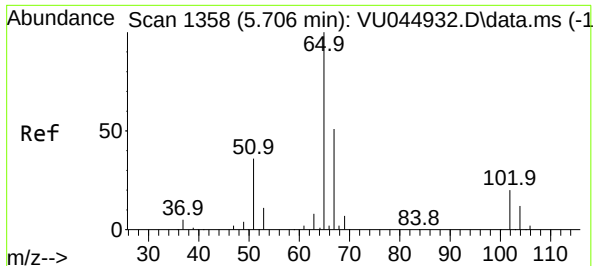
Delta R.T. -0.010 min

Lab File: VU045078.D

Acq: 01 Oct 2021 17:12

Tgt Ion:	56	Resp:	4846
Ion	Ratio	Lower	Upper
56	100		
69	159.1	25.2	37.8#
84	129.3	66.4	99.6#



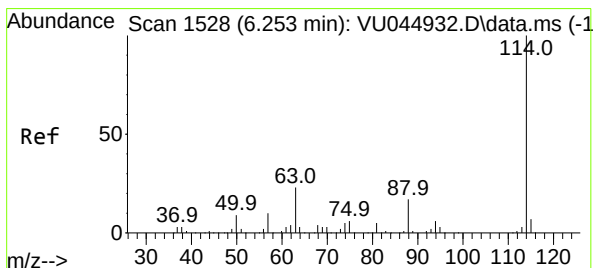
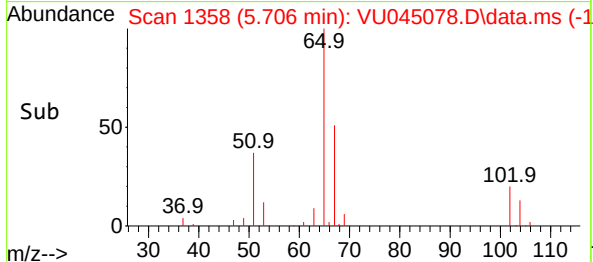
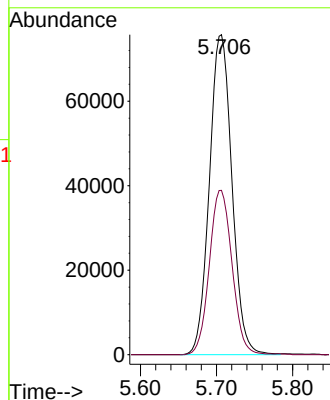
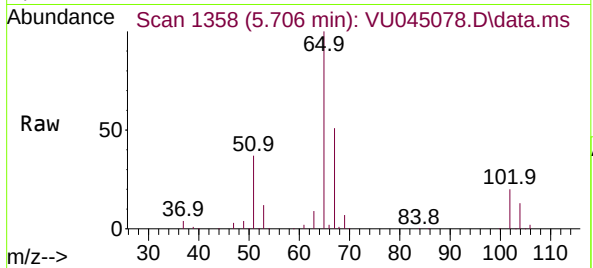


#33
 1,2-Dichloroethane-d4
 Concen: 50.758 ug/l
 RT: 5.706 min Scan# 1358
 Delta R.T. 0.000 min
 Lab File: VU045078.D
 Acq: 01 Oct 2021 17:12

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 65 Resp: 156118

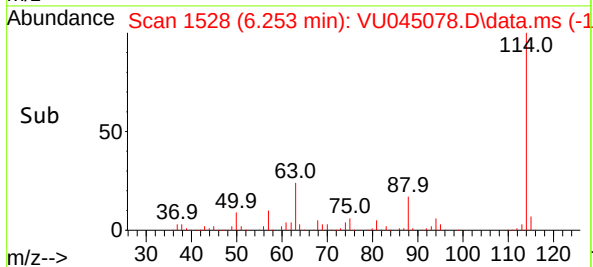
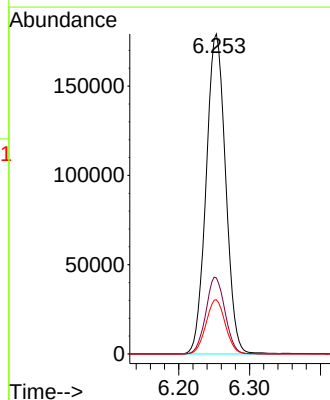
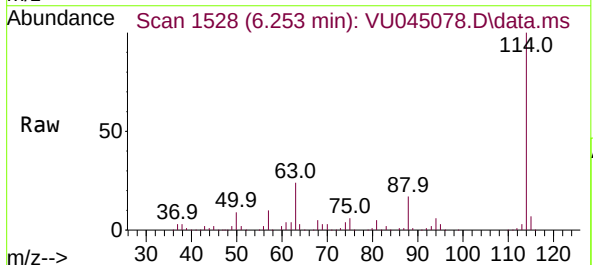
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.8

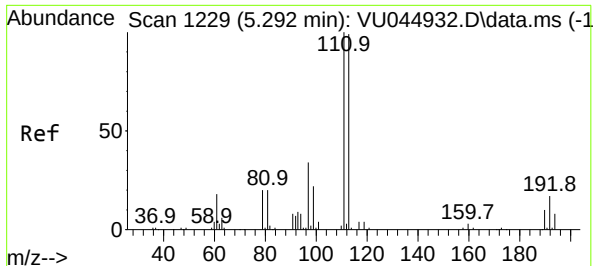


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.253 min Scan# 1528
 Delta R.T. 0.000 min
 Lab File: VU045078.D
 Acq: 01 Oct 2021 17:12

Tgt Ion: 114 Resp: 341711

Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	47.8
88	17.0	0.0	32.8





#35

Dibromofluoromethane

Concen: 49.545 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.003 min

Lab File: VU045078.D

Acq: 01 Oct 2021 17:12

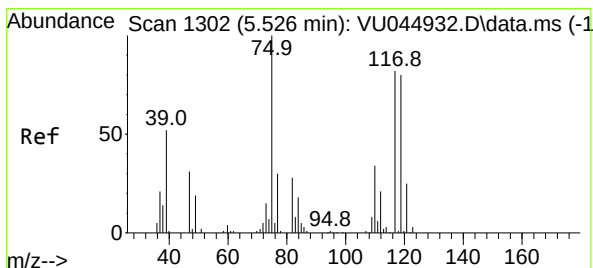
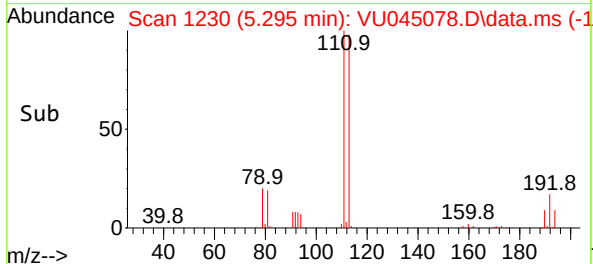
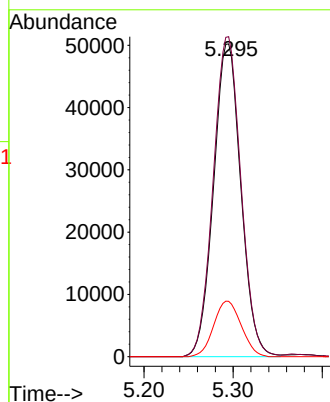
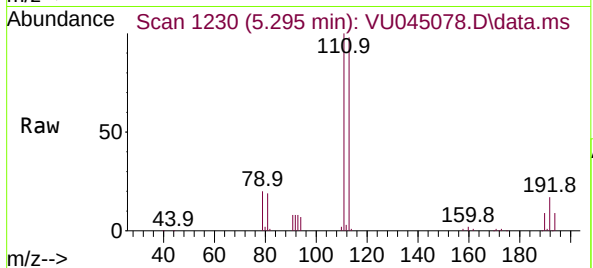
Tgt Ion:113 Resp: 106801

Ion Ratio Lower Upper

113 100

111 103.9 84.1 126.1

192 18.0 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.018 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU045078.D

Acq: 01 Oct 2021 17:12

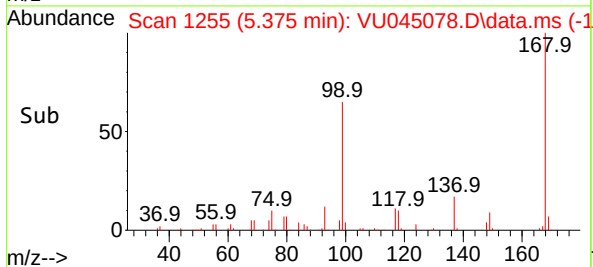
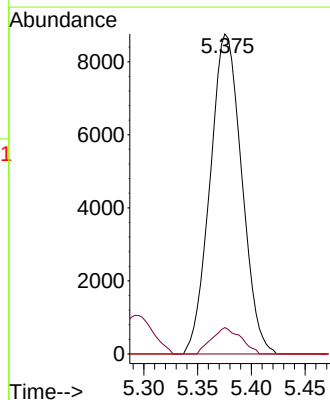
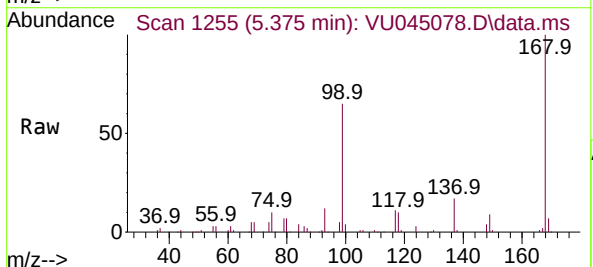
Tgt Ion: 75 Resp: 17933

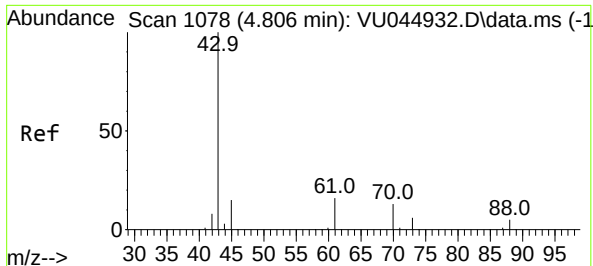
Ion Ratio Lower Upper

75 100

110 7.6 16.3 48.9#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 3.317 ug/l

RT: 4.716 min Scan# 1050

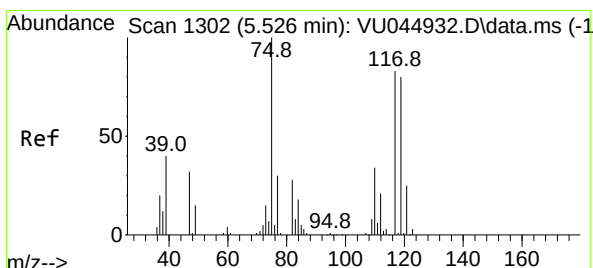
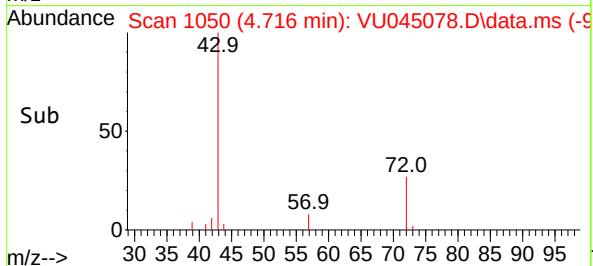
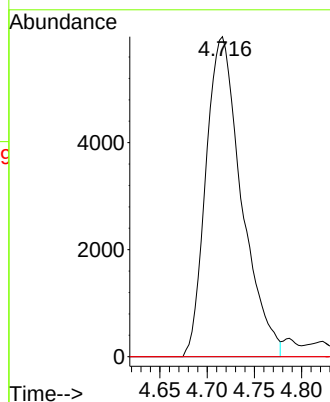
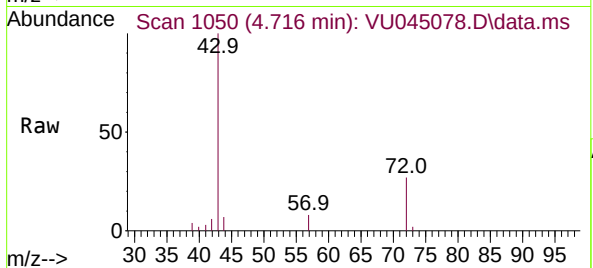
Delta R.T. -0.090 min

Lab File: VU045078.D

Acq: 01 Oct 2021 17:12

Tgt Ion:	43	Resp:	15685
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#

Instrument :
MSVOA_U
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.238 ug/l

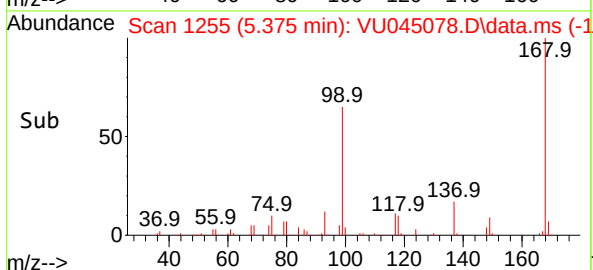
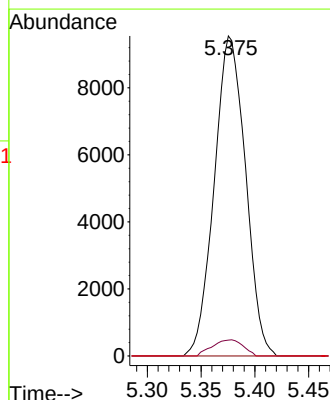
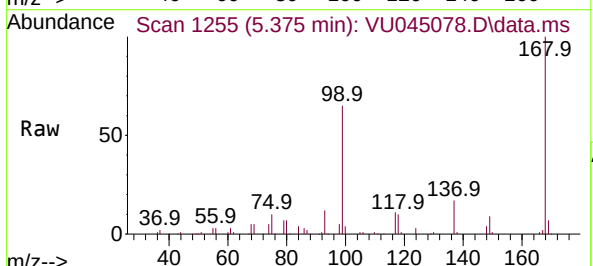
RT: 5.375 min Scan# 1255

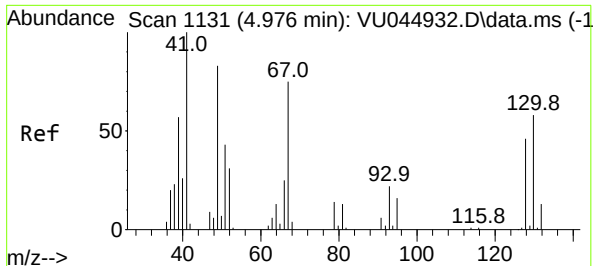
Delta R.T. -0.151 min

Lab File: VU045078.D

Acq: 01 Oct 2021 17:12

Tgt Ion:	117	Resp:	19289
Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.4	116.2#
121	0.0	24.5	36.7#

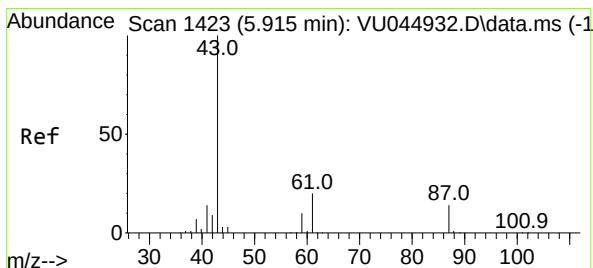
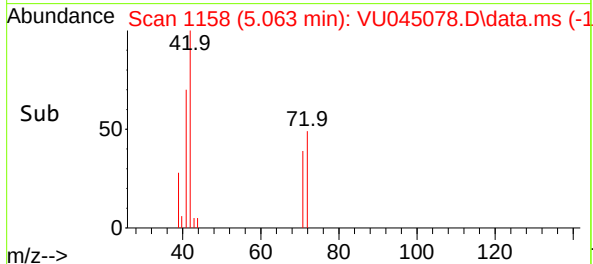
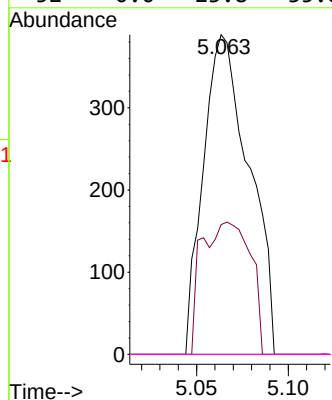
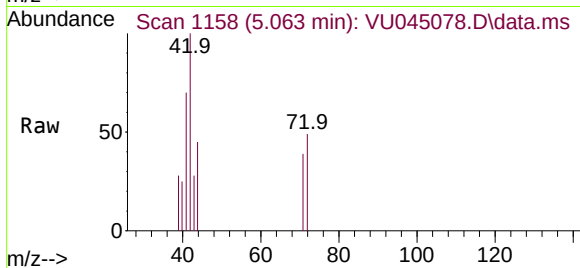




#41
Methacrylonitrile
Concen: 0.278 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.087 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

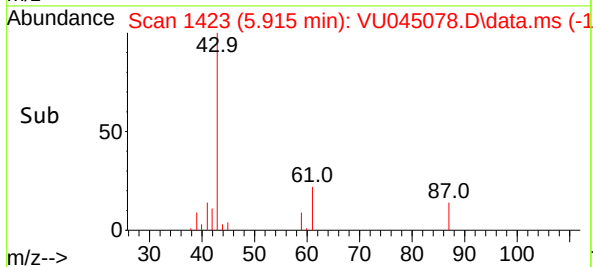
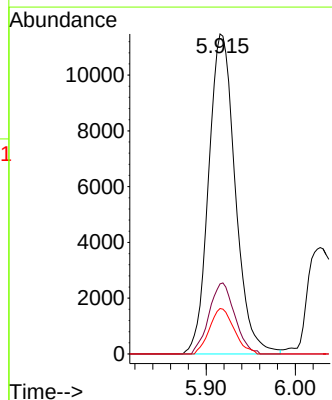
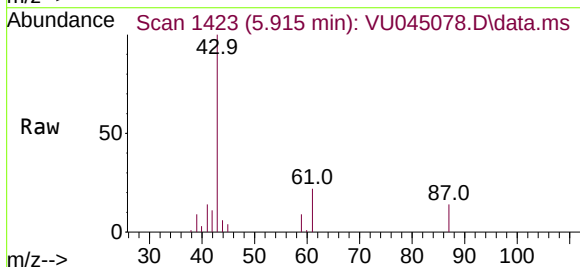
Instrument :
MSVOA_U
ClientSampleId :

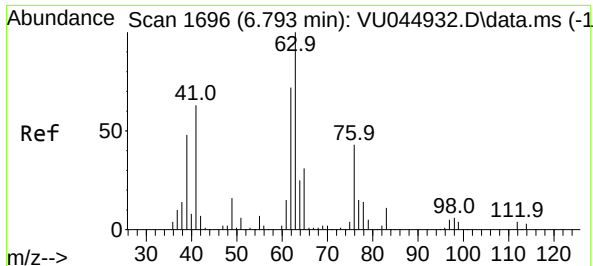
Tgt Ion:	41	Resp:	676
Ion	Ratio	Lower	Upper
41	100		
39	11.7	44.4	66.6#
67	0.0	58.1	87.1#
52	0.0	23.8	35.8#



#43
Isopropyl Acetate
Concen: 3.345 ug/l
RT: 5.915 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

Tgt Ion:	43	Resp:	23797
Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.1	24.1
87	13.1	10.3	15.5



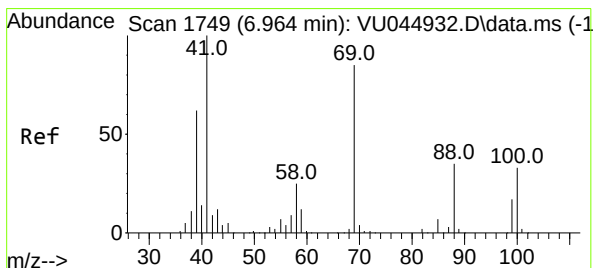
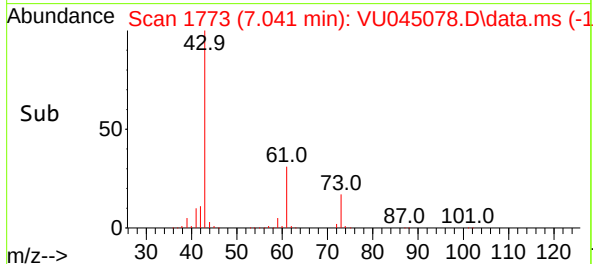
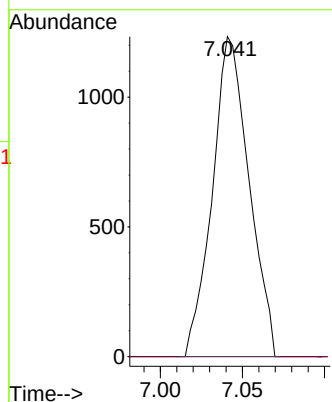
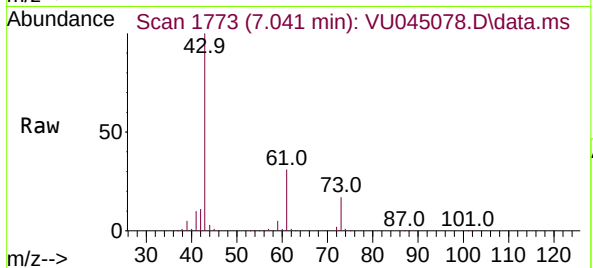


#45

1,2-Dichloropropane
Concen: 0.678 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.248 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

Instrument :
MSVOA_U
ClientSampled :

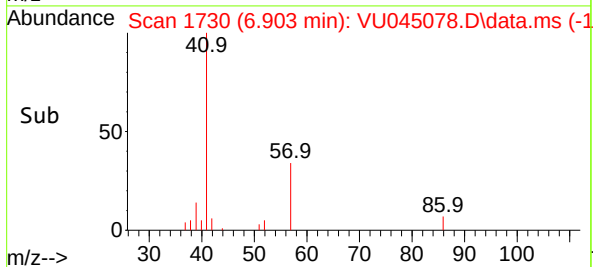
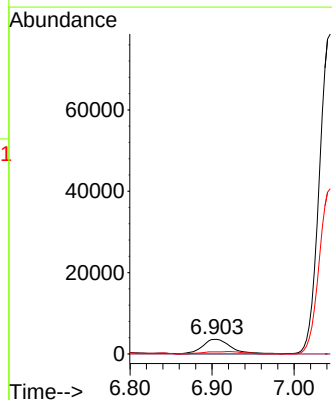
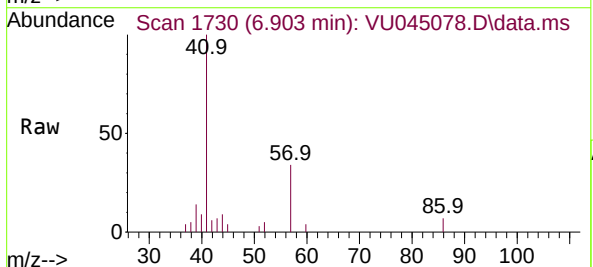
Tgt Ion: 63 Resp: 1914
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

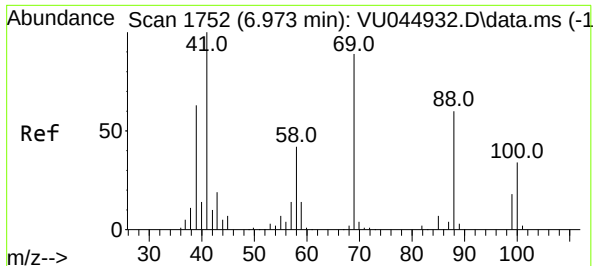


#48

Methyl methacrylate
Concen: 2.543 ug/l
RT: 6.903 min Scan# 1730
Delta R.T. -0.061 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

Tgt Ion: 41 Resp: 8804
Ion Ratio Lower Upper
41 100
69 0.0 65.6 98.4#
39 0.0 46.2 69.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.041 min Scan# 1773

Delta R.T. 0.068 min

Lab File: VU045078.D

Acq: 01 Oct 2021 17:12

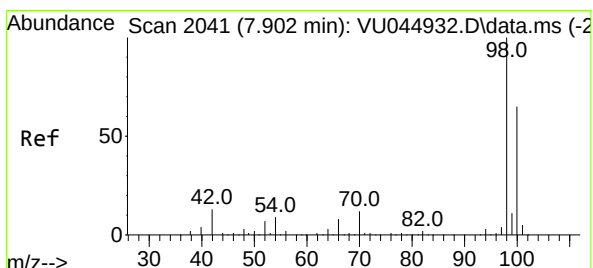
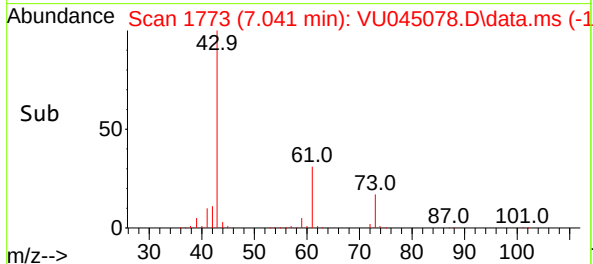
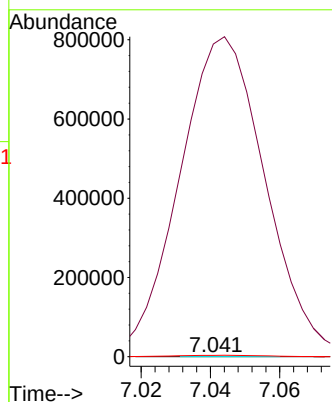
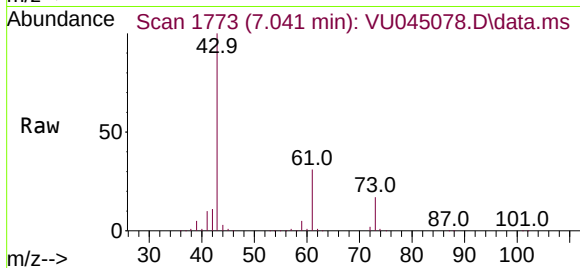
Tgt Ion: 88 Resp: 144

Ion Ratio Lower Upper

88 100

43 983060.4 25.8 38.6#

58 4502.8 61.3 91.9#



#50

Toluene-d8

Concen: 51.722 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. -0.003 min

Lab File: VU045078.D

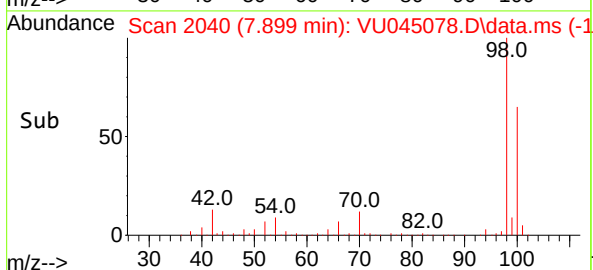
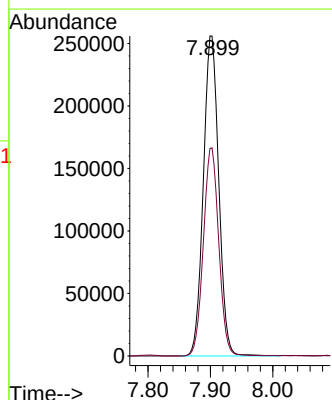
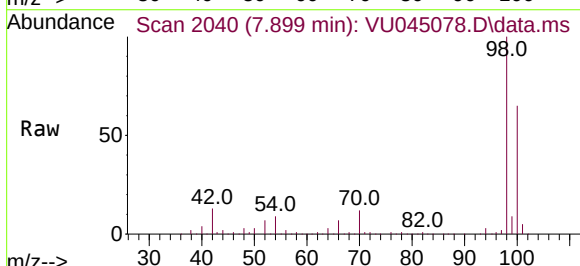
Acq: 01 Oct 2021 17:12

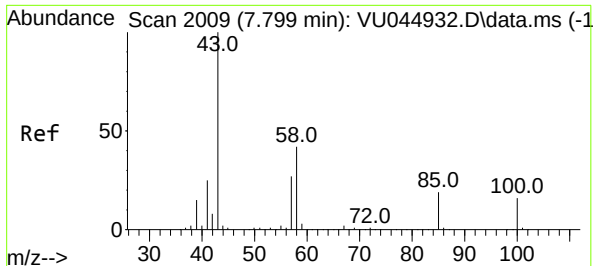
Tgt Ion: 98 Resp: 440530

Ion Ratio Lower Upper

98 100

100 64.8 52.5 78.7

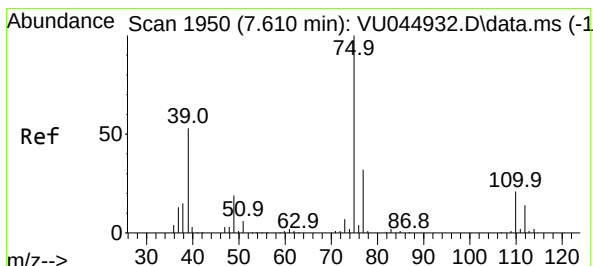
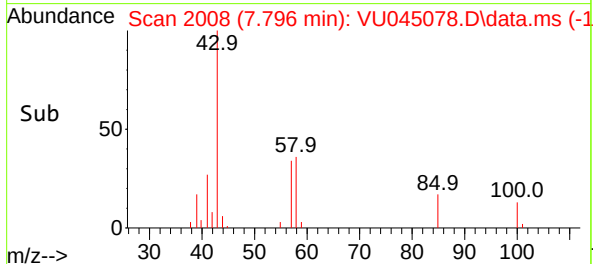
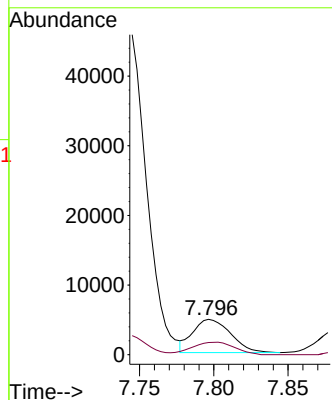
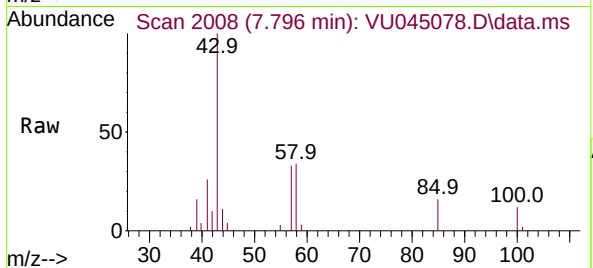




#51
4-Methyl-2-Pentanone
Concen: 1.642 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

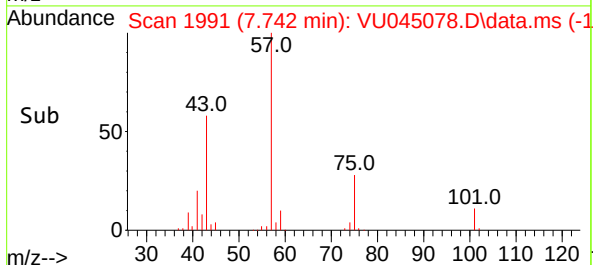
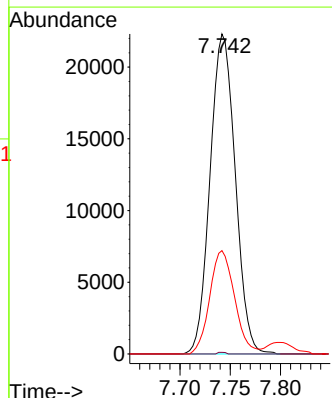
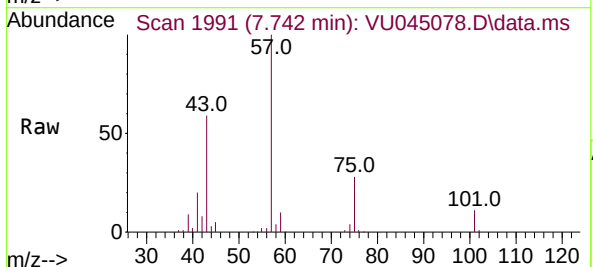
Instrument :
MSVOA_U
ClientSampled :

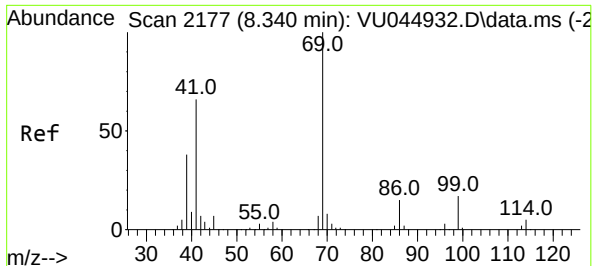
Tgt Ion: 43 Resp: 8503
Ion Ratio Lower Upper
43 100
58 41.9 32.4 48.6



#54
cis-1,3-Dichloropropene
Concen: 8.851 ug/l
RT: 7.742 min Scan# 1991
Delta R.T. 0.132 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

Tgt Ion: 75 Resp: 38913
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.6#
39 31.8 41.4 62.2#

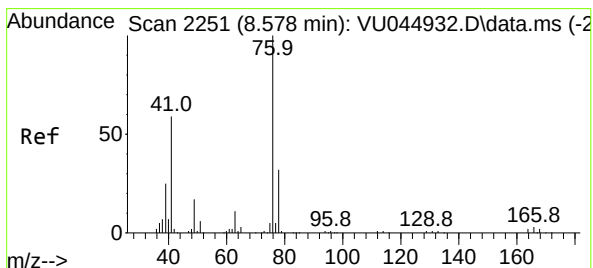
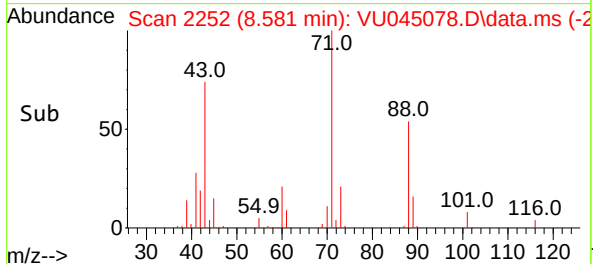
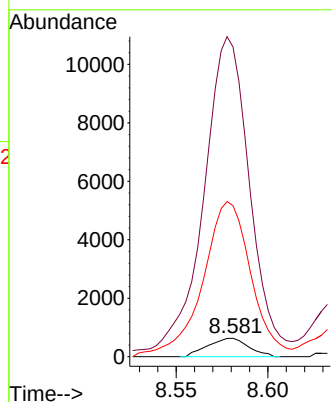
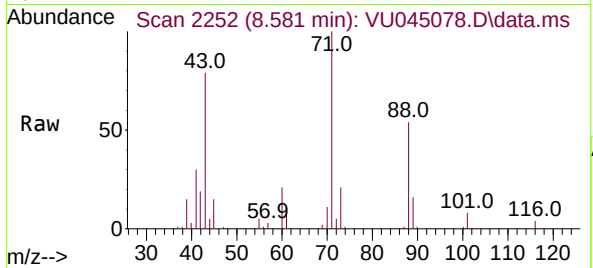




#56
Ethyl methacrylate
Concen: 1.995 ug/l
RT: 8.581 min Scan# 2252
Delta R.T. 0.241 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

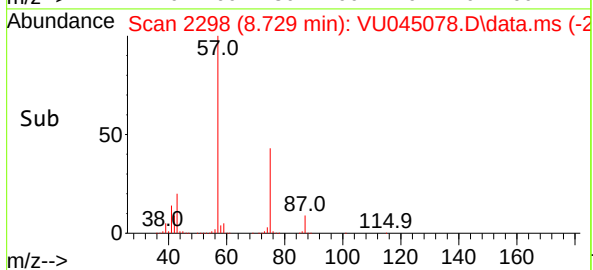
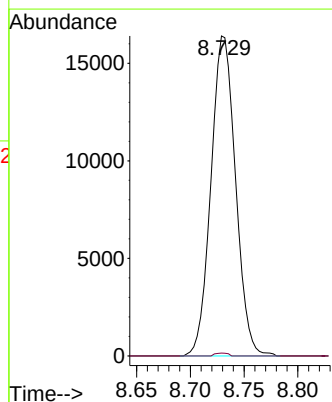
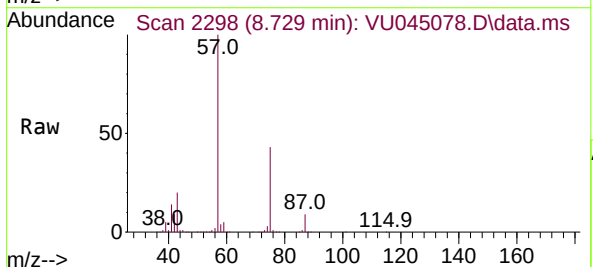
Instrument :
MSVOA_U
ClientSampled :

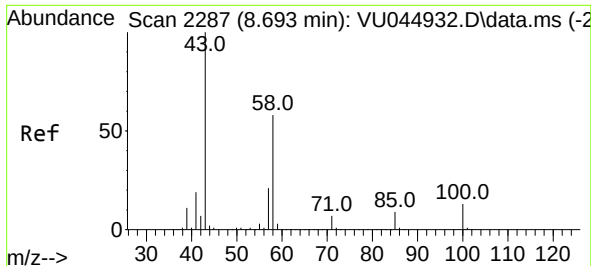
Tgt Ion: 69 Resp: 974
Ion Ratio Lower Upper
69 100
41 1904.4 53.5 80.3#
39 997.1 31.1 46.7#



#57
1,3-Dichloropropane
Concen: 5.278 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

Tgt Ion: 76 Resp: 26142
Ion Ratio Lower Upper
76 100
78 0.5 25.7 38.5#

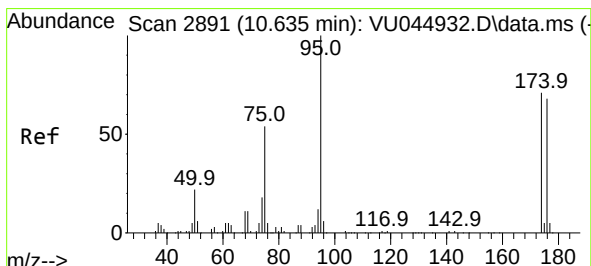
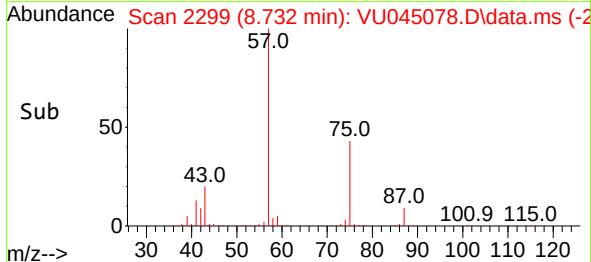
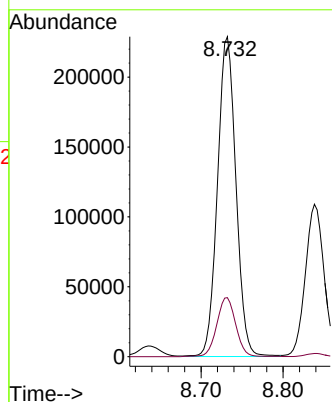
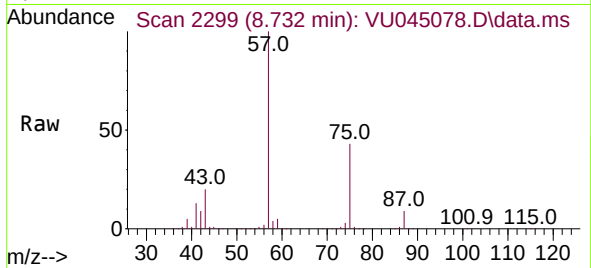




#59
2-Hexanone
Concen: 84.931 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.039 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

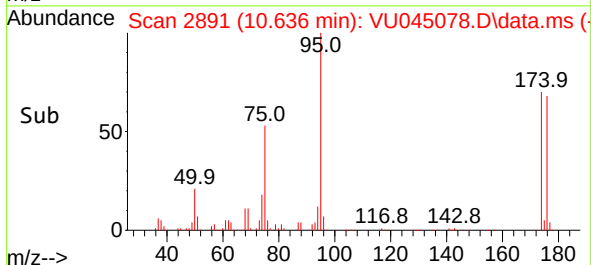
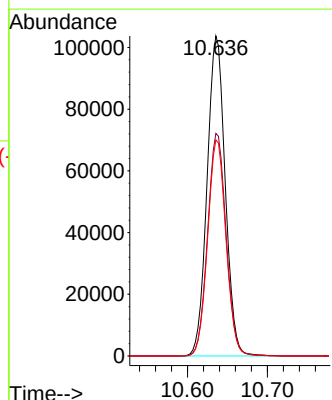
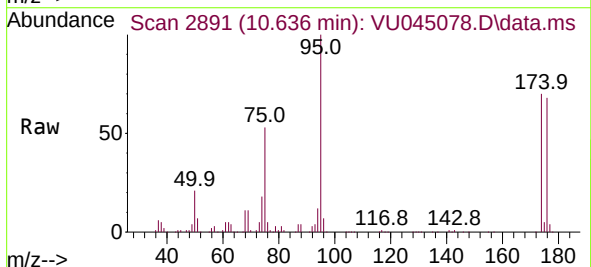
Instrument :
MSVOA_U
ClientSampleId :

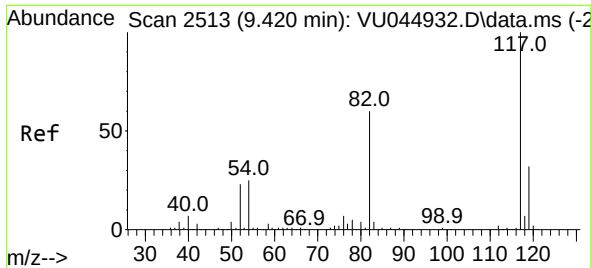
Tgt Ion: 43 Resp: 358157
Ion Ratio Lower Upper
43 100
58 19.0 28.0 84.0#



#62
4-Bromofluorobenzene
Concen: 46.518 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

Tgt Ion: 95 Resp: 163575
Ion Ratio Lower Upper
95 100
174 71.1 0.0 146.6
176 68.2 0.0 141.2

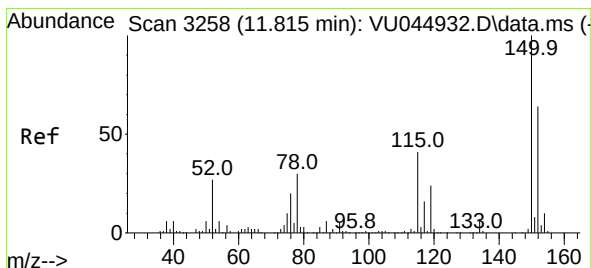
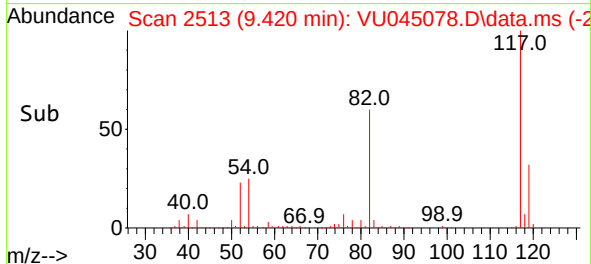
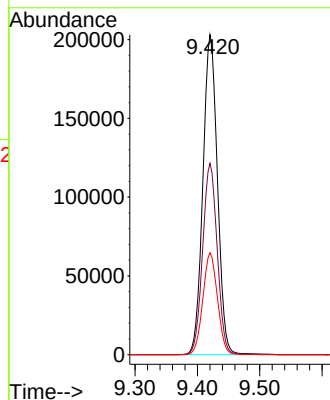
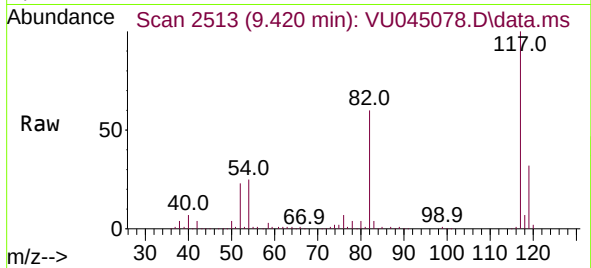




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

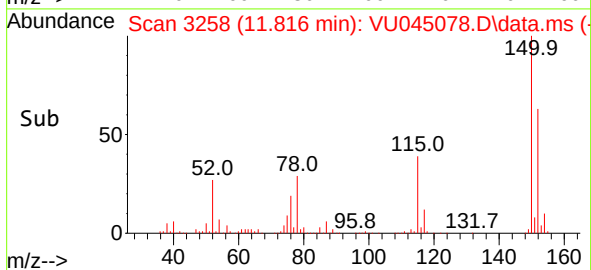
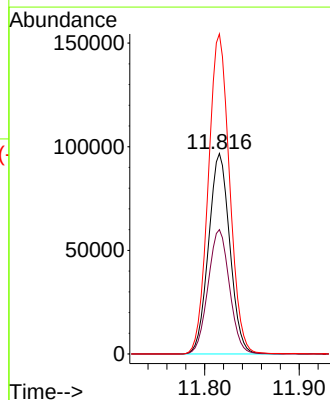
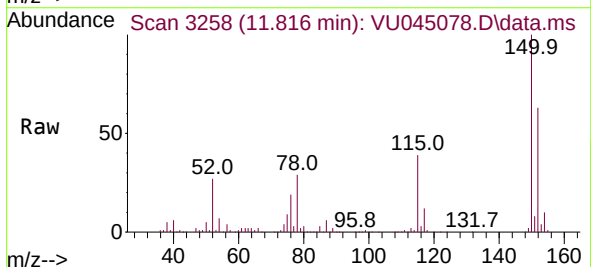
Instrument :
MSVOA_U
ClientSampled :

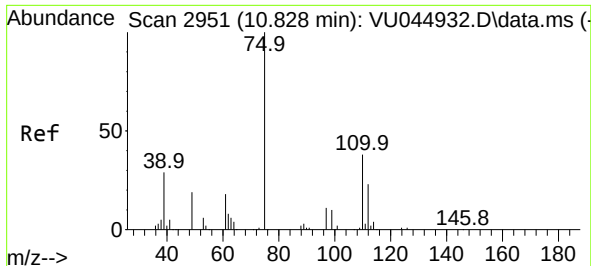
Tgt Ion:117 Resp: 329575
Ion Ratio Lower Upper
117 100
82 59.8 47.8 71.8
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.001 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

Tgt Ion:152 Resp: 151099
Ion Ratio Lower Upper
152 100
115 62.5 43.5 130.7
150 159.6 0.0 350.0

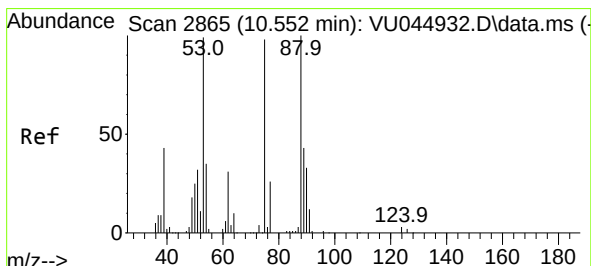
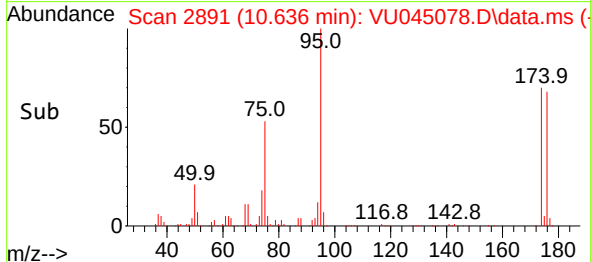
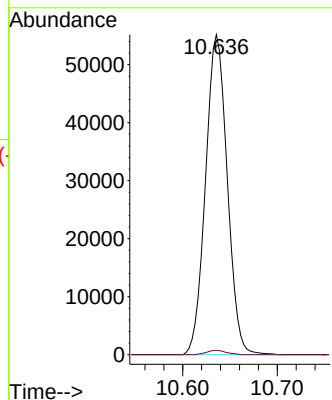
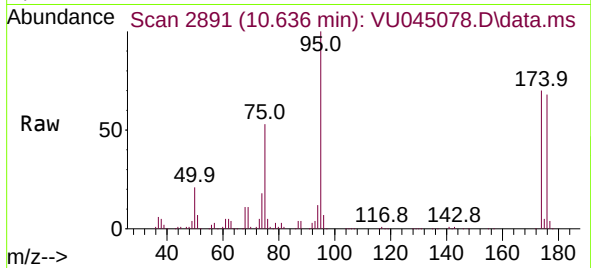




#76
1,2,3-Trichloropropane
Concen: 19.989 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.192 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 88098
Ion Ratio Lower Upper
75 100
77 1.2 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.473 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU045078.D
Acq: 01 Oct 2021 17:12

Tgt Ion: 75 Resp: 88098
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

