

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
 Data File : VU045031.D
 Acq On : 30 Sep 2021 06:59
 Operator : SY/MD
 Sample : M3971-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RP-COMP-3

Quant Time: Sep 30 08:29:44 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)

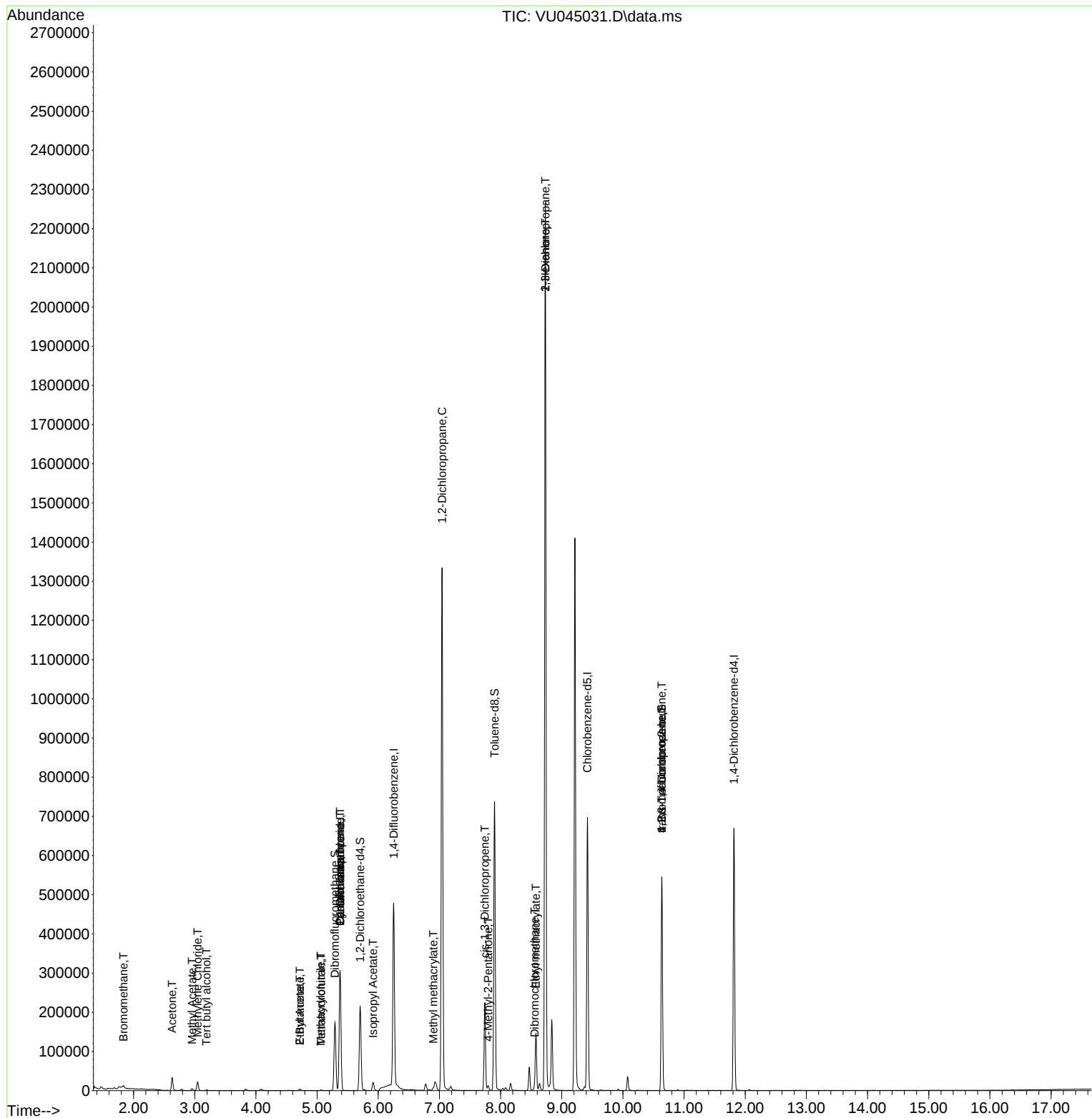
Internal Standards						
1) Pentafluorobenzene	5.375	168	200445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	360434	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	360236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	163477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	160249	48.027	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.060%		
35) Dibromofluoromethane	5.292	113	110818	48.738	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.480%		
50) Toluene-d8	7.902	98	468575	52.157	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.320%		
62) 4-Bromofluorobenzene	10.635	95	179861	48.493	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.980%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.835	94	281	0.223	ug/l	93
11) Tert butyl alcohol	3.192	59	1727	1.803	ug/l #	72
16) Acetone	2.629	43	37672	19.021	ug/l	100
18) Methyl Acetate	2.954	43	6680	1.154	ug/l	96
20) Methylene Chloride	3.047	84	10414	3.491	ug/l	92
25) 2-Butanone	4.719	43	5811	2.065	ug/l	94
29) Tetrahydrofuran	5.067	42	772	0.461	ug/l	97
31) Cyclohexane	5.375	56	5262	1.038	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	18535	4.917	ug/l #	49
37) Ethyl Acetate	4.719	43	5811	1.165	ug/l #	69
38) Carbon Tetrachloride	5.375	117	21197	6.499	ug/l #	16
41) Methacrylonitrile	5.060	41	543	0.211	ug/l #	33
43) Isopropyl Acetate	5.915	43	22334	2.977	ug/l	98
45) 1,2-Dichloropropane	7.044	63	1642	0.552	ug/l #	45
48) Methyl methacrylate	6.899	41	7224	1.978	ug/l #	14
49) 1,4-Dioxane	7.041	88	116	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.796	43	8289	1.518	ug/l	95
54) cis-1,3-Dichloropropene	7.742	75	39224	8.459	ug/l #	61
56) Ethyl methacrylate	8.578	69	872	1.969	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	22564	4.319	ug/l #	43
59) 2-Hexanone	8.732	43	309480	69.576	ug/l #	50
60) Dibromochloromethane	8.555	129	162	2.226	ug/l #	10
76) 1,2,3-Trichloropropane	10.635	75	96796	20.300	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	96796	56.335	ug/l #	9

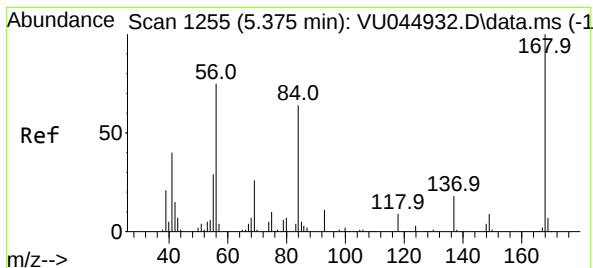
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 28 12:32:13 2021
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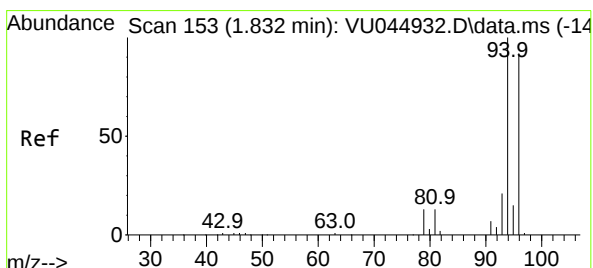
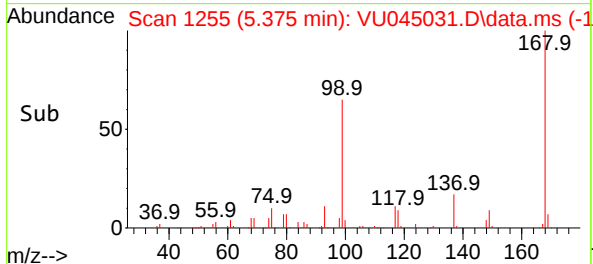
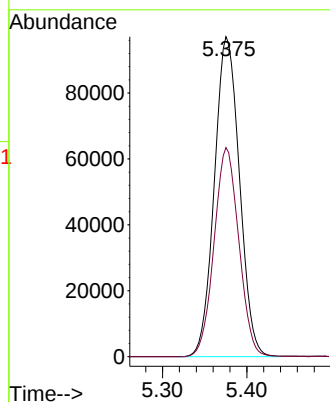
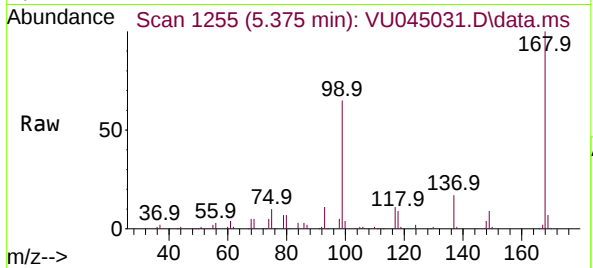




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

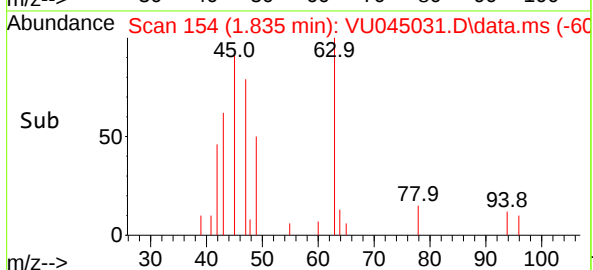
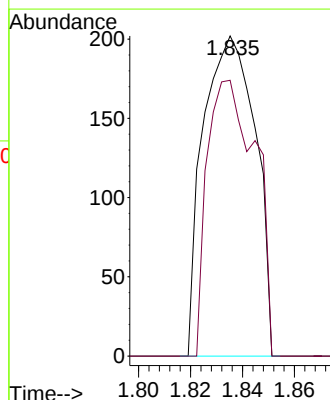
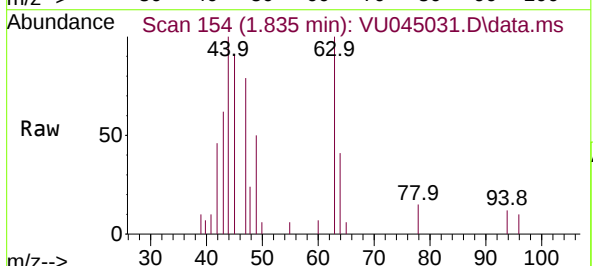
Instrument :
MSVOA_U
ClientSampleId :
RP-COMP-3

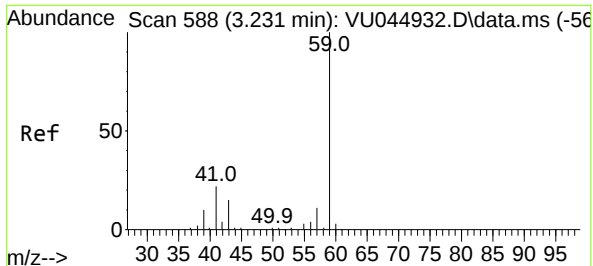
Tgt Ion:168 Resp: 200445
Ion Ratio Lower Upper
168 100
99 65.4 51.4 77.0



#5
Bromomethane
Concen: 0.223 ug/l
RT: 1.835 min Scan# 154
Delta R.T. 0.003 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

Tgt Ion: 94 Resp: 281
Ion Ratio Lower Upper
94 100
96 86.1 74.5 111.7



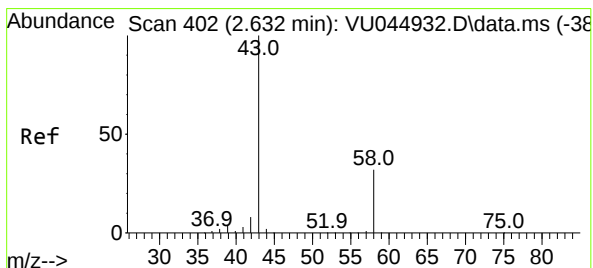
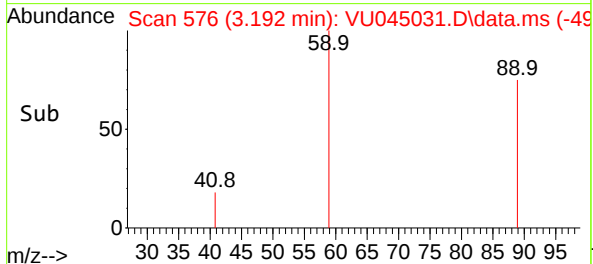
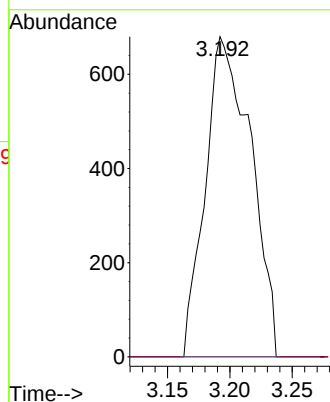
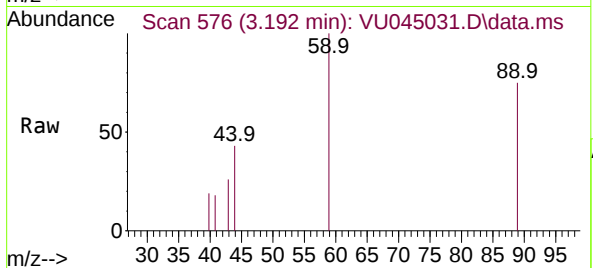


#11

Tert butyl alcohol
Concen: 1.803 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.039 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

Instrument :
MSVOA_U
ClientSampleId :
RP-COMP-3

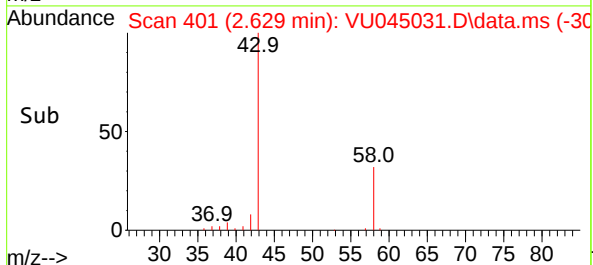
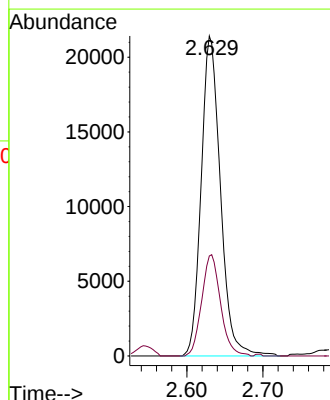
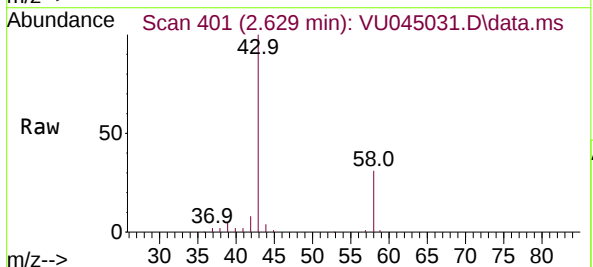
Tgt Ion: 59 Resp: 1727
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

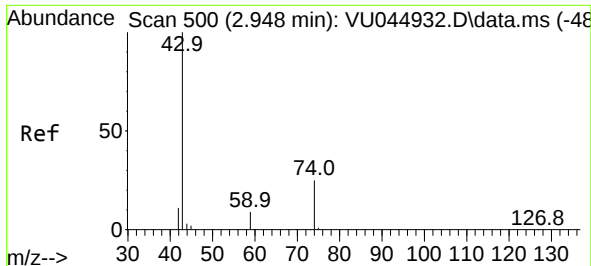


#16

Acetone
Concen: 19.021 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

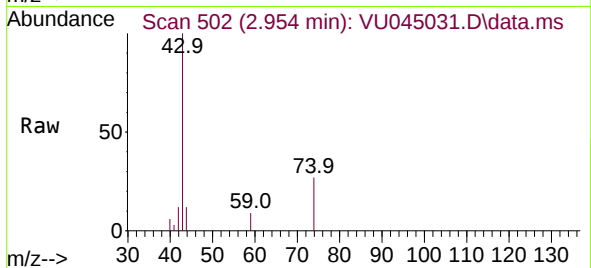
Tgt Ion: 43 Resp: 37672
Ion Ratio Lower Upper
43 100
58 31.3 25.2 37.8



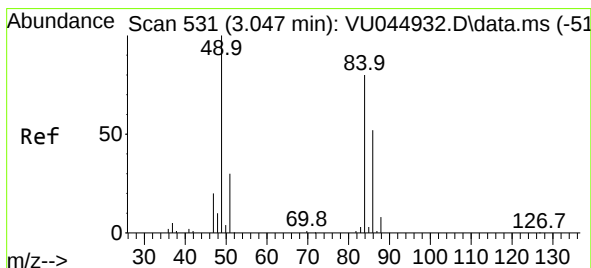
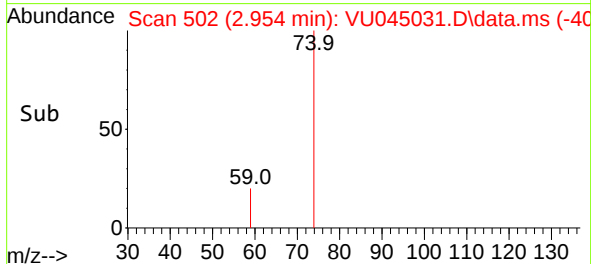
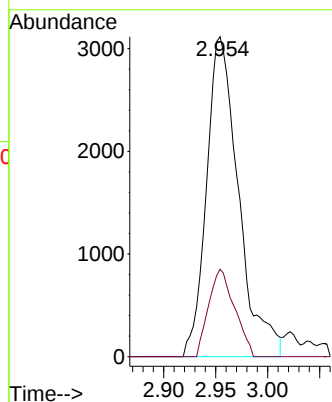


#18
Methyl Acetate
Concen: 1.154 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.006 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

Instrument :
MSVOA_U
ClientSampleId :
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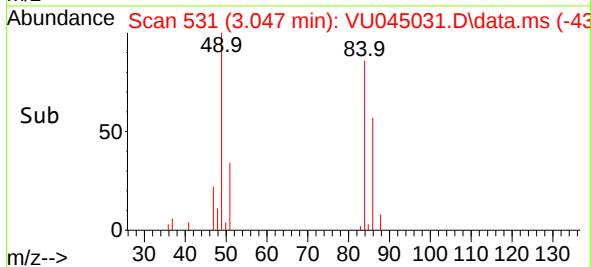
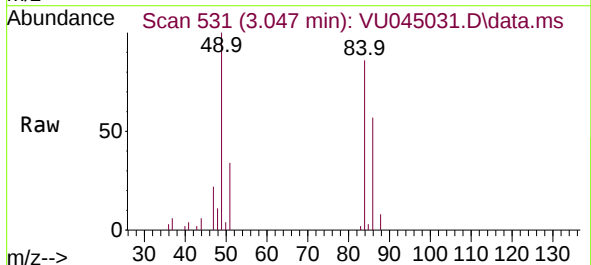
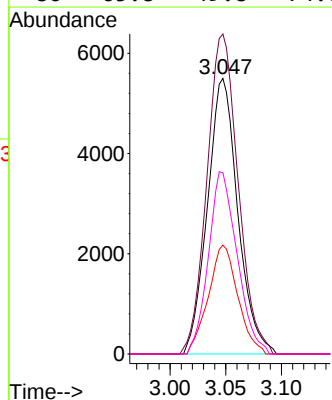


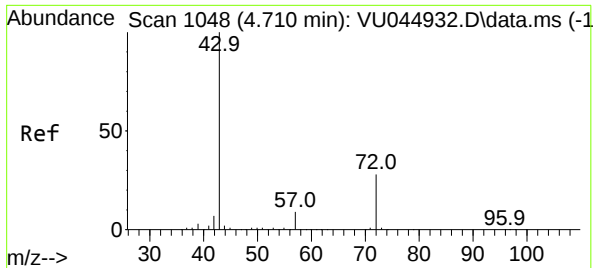
Tgt Ion: 43 Resp: 6680
Ion Ratio Lower Upper
43 100
74 22.0 19.0 28.6



#20
Methylene Chloride
Concen: 3.491 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

Tgt Ion: 84 Resp: 10414
Ion Ratio Lower Upper
84 100
49 116.2 104.9 157.3
51 39.5 31.8 47.8
86 65.8 49.8 74.6

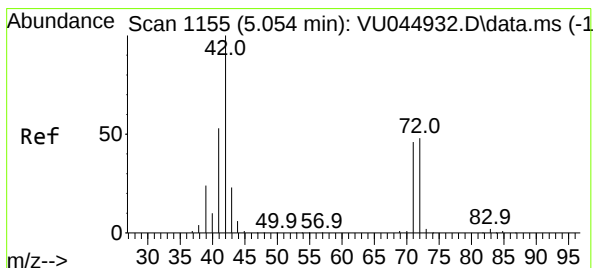
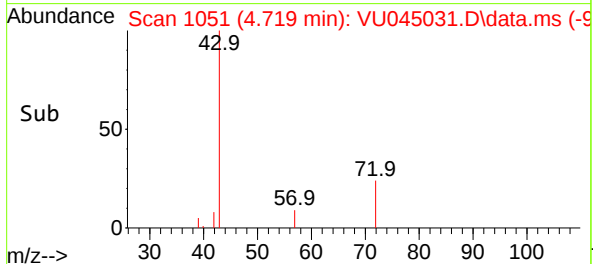
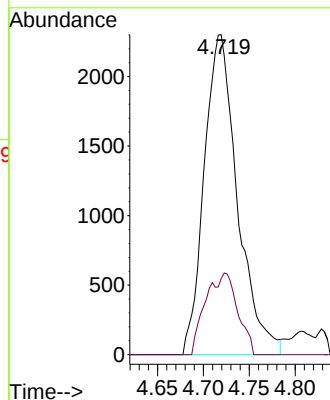
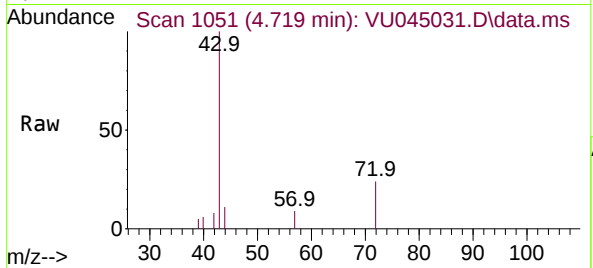




#25
2-Butanone
Concen: 2.065 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

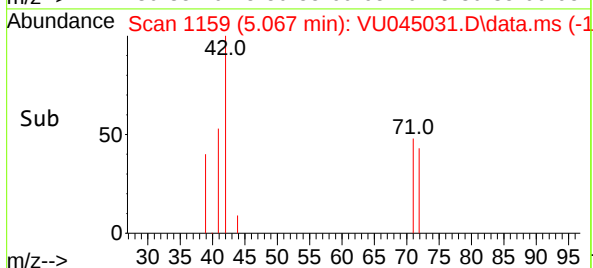
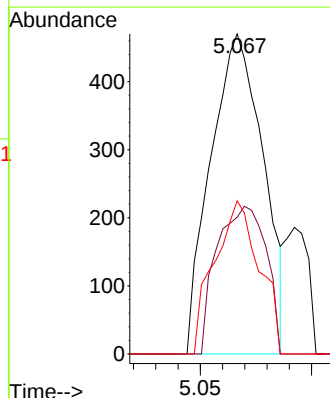
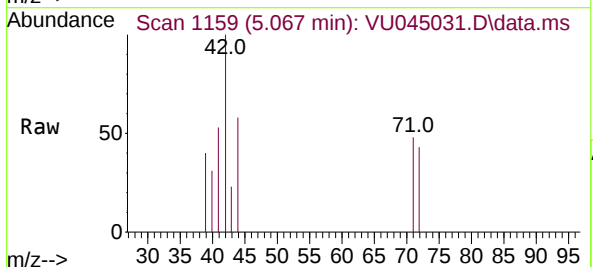
Instrument :
MSVOA_U
ClientSampleId :
RP-COMP-3

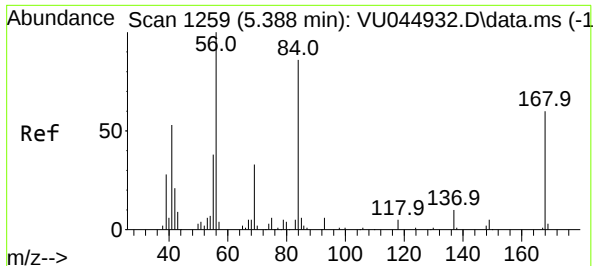
Tgt Ion: 43 Resp: 5811
Ion Ratio Lower Upper
43 100
72 23.7 21.3 31.9



#29
Tetrahydrofuran
Concen: 0.461 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.013 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

Tgt Ion: 42 Resp: 772
Ion Ratio Lower Upper
42 100
72 43.3 36.2 54.4
71 41.1 34.1 51.1





#31

Cyclohexane

Concen: 1.038 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.013 min

Lab File: VU045031.D

Acq: 30 Sep 2021 06:59

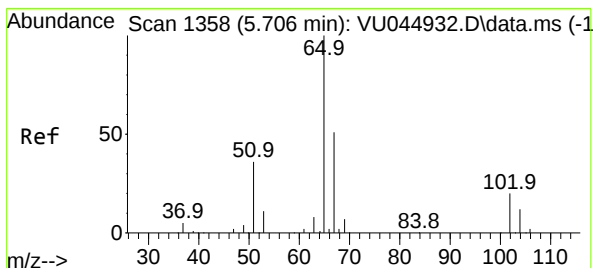
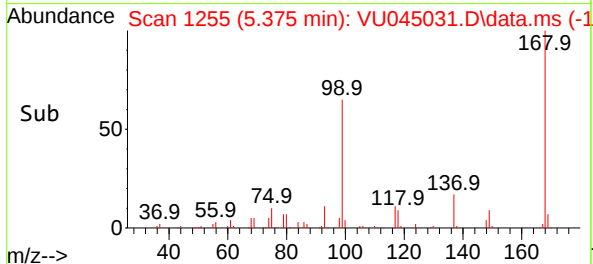
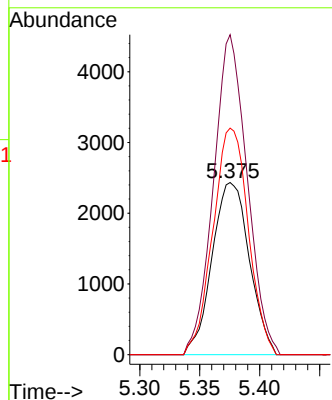
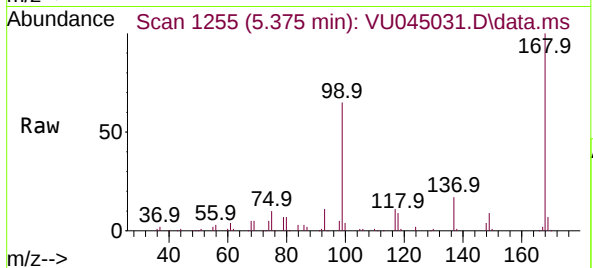
Tgt Ion: 56 Resp: 5262

Ion Ratio Lower Upper

56 100

69 185.9 25.2 37.8#

84 131.6 66.4 99.6#



#33

1,2-Dichloroethane-d4

Concen: 48.027 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. -0.003 min

Lab File: VU045031.D

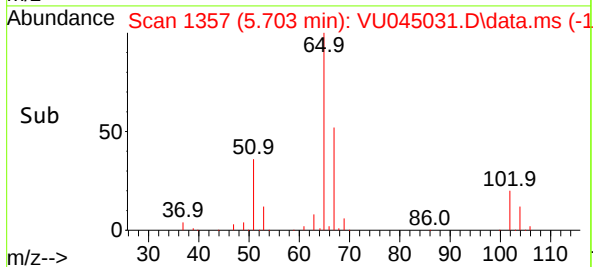
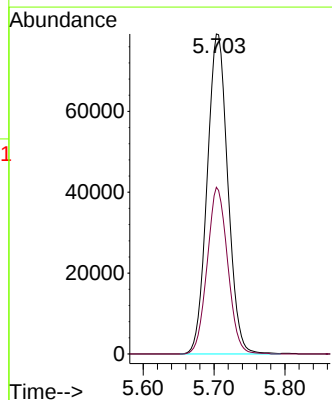
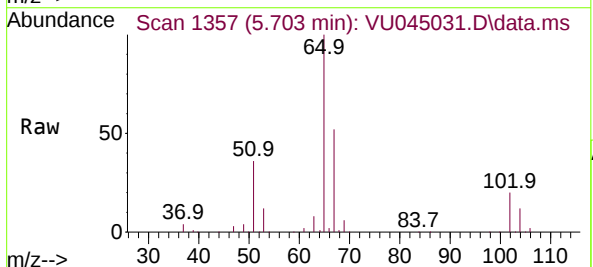
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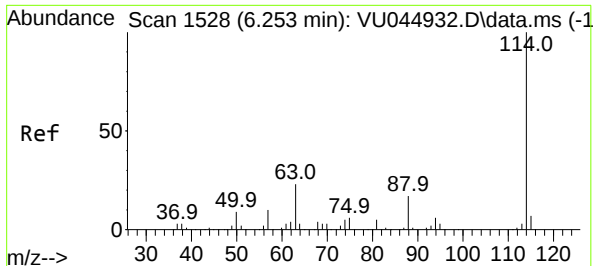
Tgt Ion: 65 Resp: 160249

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.8

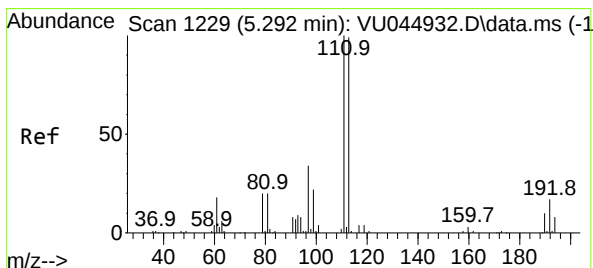
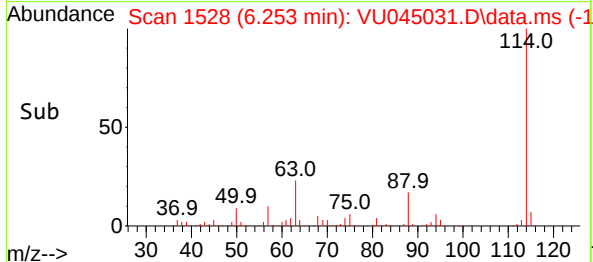
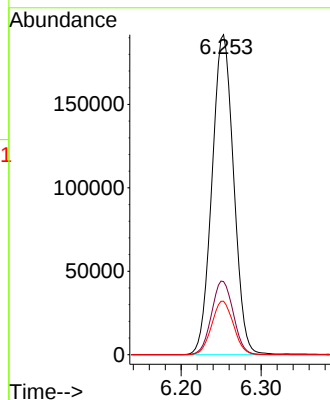
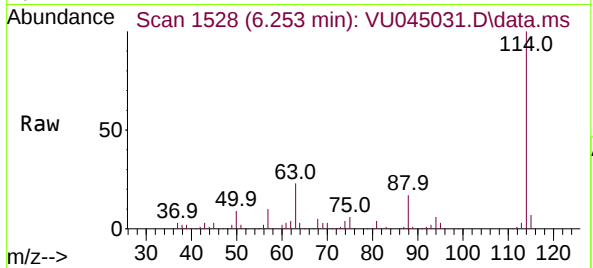




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

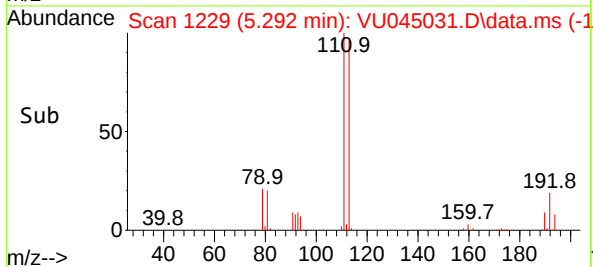
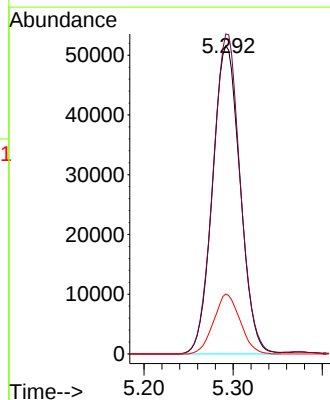
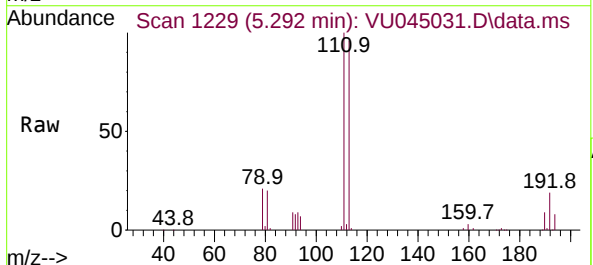
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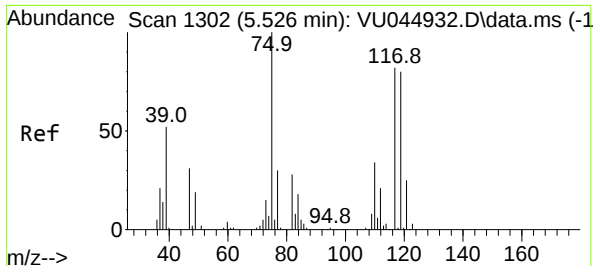
Tgt Ion:114 Resp: 360434
Ion Ratio Lower Upper
114 100
63 22.9 0.0 47.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.738 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

Tgt Ion:113 Resp: 110818
Ion Ratio Lower Upper
113 100
111 103.0 84.1 126.1
192 18.6 14.8 22.2



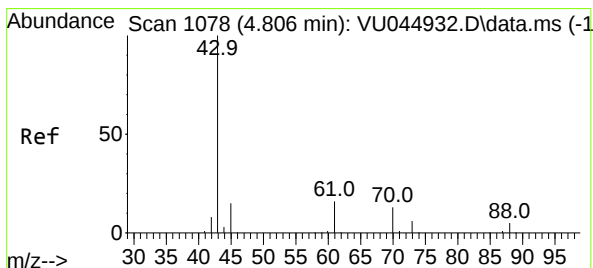
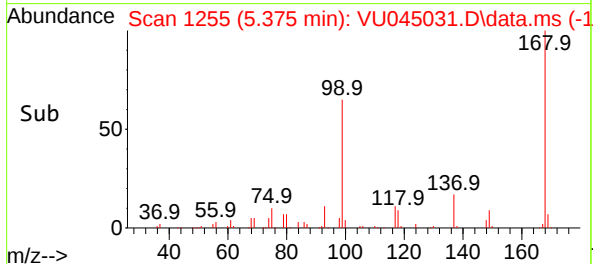
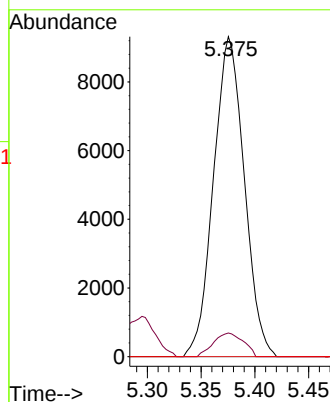
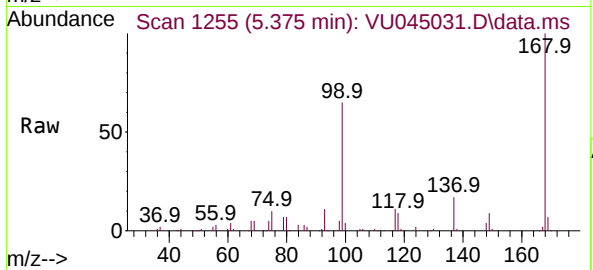


#36

1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

Instrument :
MSVOA_U
ClientSampleId :
RP-COMP-3

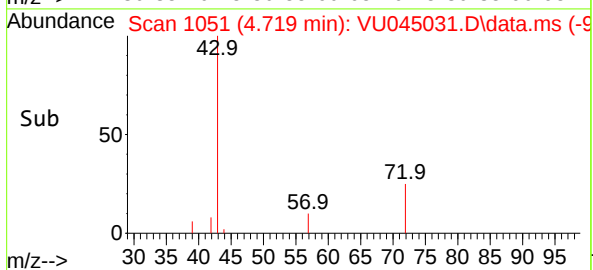
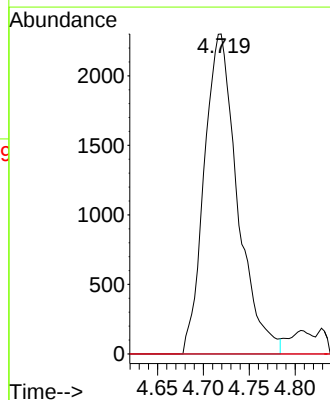
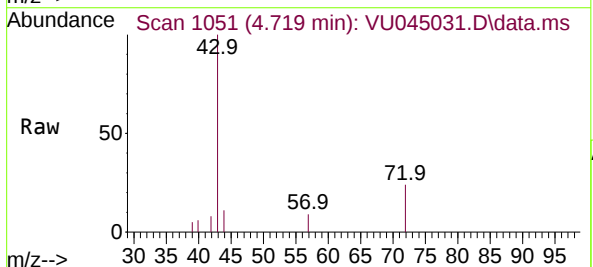
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.2	16.3	48.9#
77	0.0	25.0	37.4#

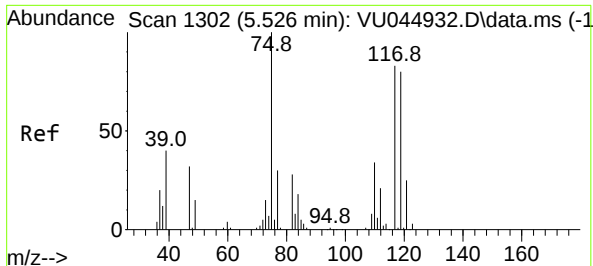


#37

Ethyl Acetate
Concen: 1.165 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. -0.087 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

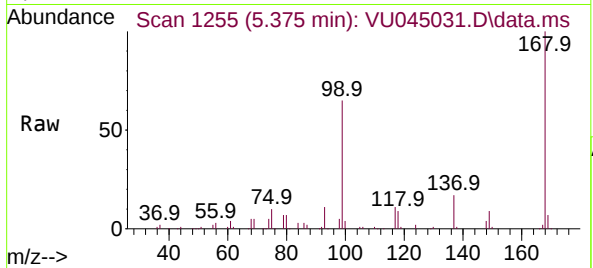
Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#



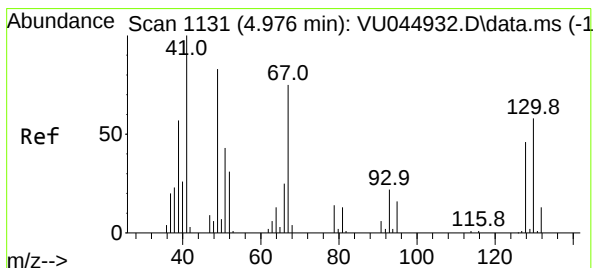
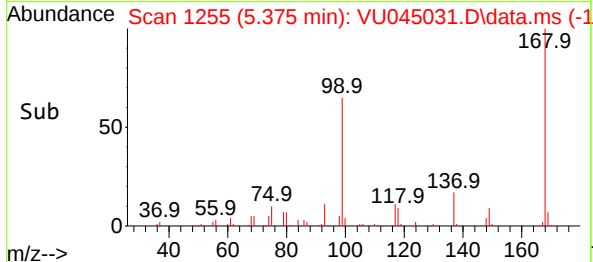
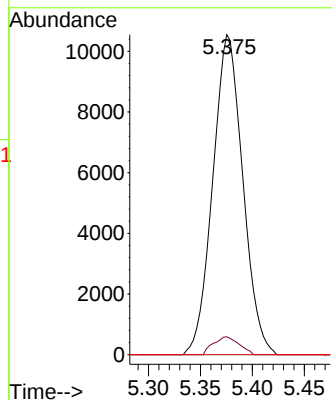


#38
Carbon Tetrachloride
Concen: 6.499 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

Instrument :
MSVOA_U
ClientSampleId :
RP-COMP-3

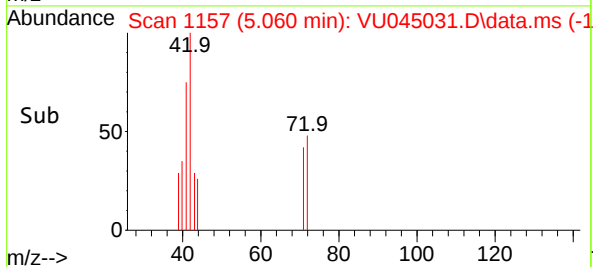
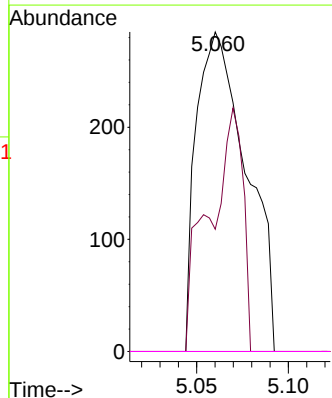
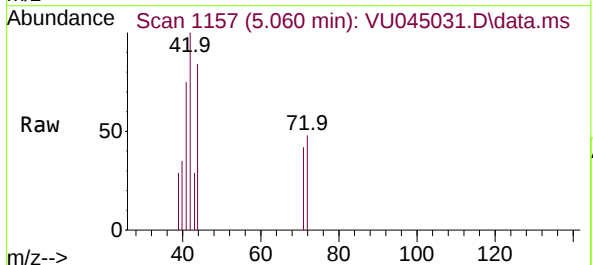


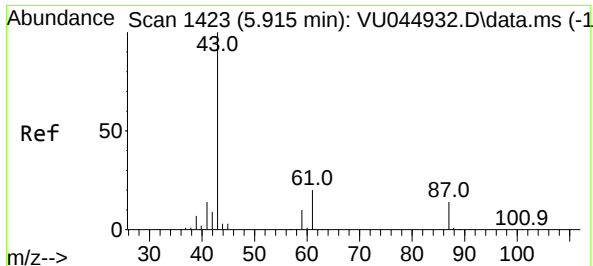
Tgt Ion:117 Resp: 21197
Ion Ratio Lower Upper
117 100
119 5.6 77.4 116.2#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.211 ug/l
RT: 5.060 min Scan# 1157
Delta R.T. 0.084 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

Tgt Ion: 41 Resp: 543
Ion Ratio Lower Upper
41 100
39 20.4 44.4 66.6#
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#

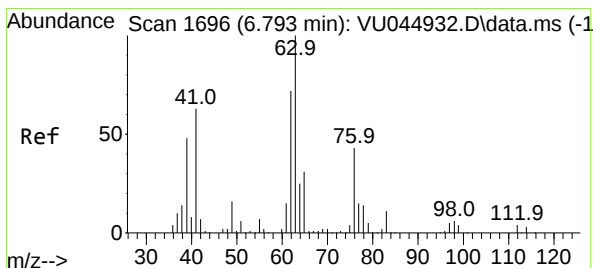
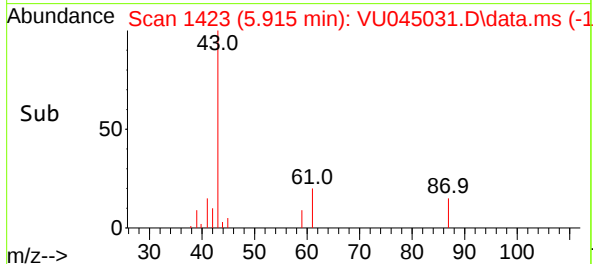
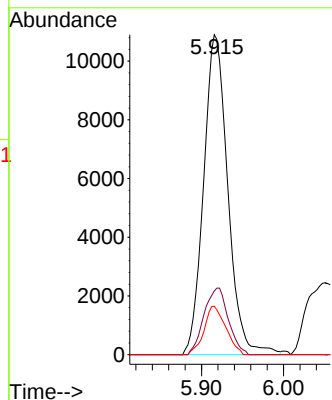
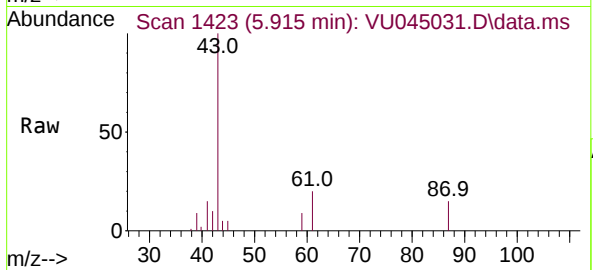




#43
Isopropyl Acetate
Concen: 2.977 ug/l
RT: 5.915 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

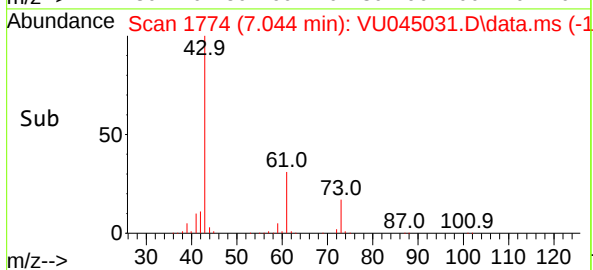
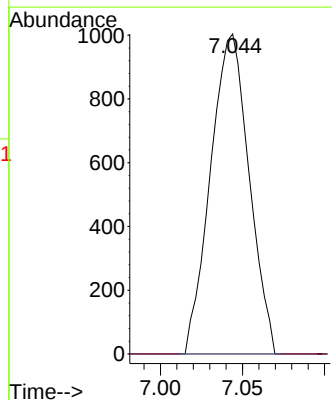
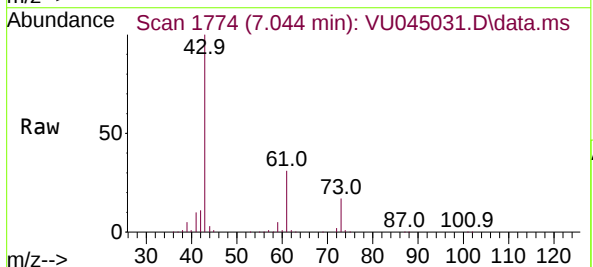
Instrument :
MSVOA_U
ClientSampleId :
RP-COMP-3

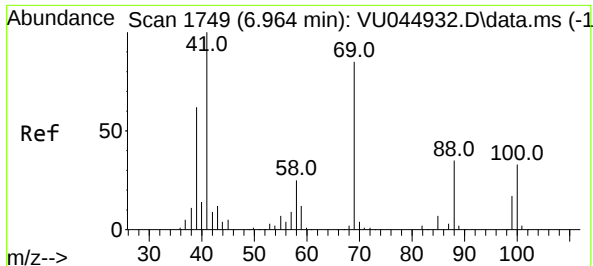
Tgt Ion:	43	Resp:	22334
Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.1	24.1
87	13.6	10.3	15.5



#45
1,2-Dichloropropane
Concen: 0.552 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.251 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

Tgt Ion:	63	Resp:	1642
Ion	Ratio	Lower	Upper
63	100		
65	0.0	23.9	35.9#





#48

Methyl methacrylate

Concen: 1.978 ug/l

RT: 6.899 min Scan# 1729

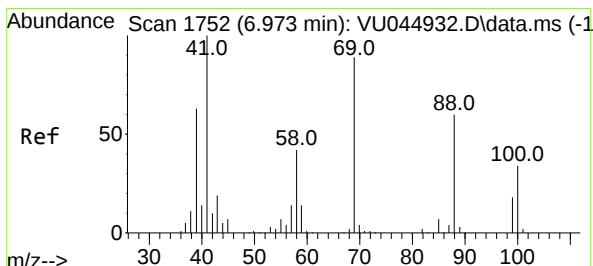
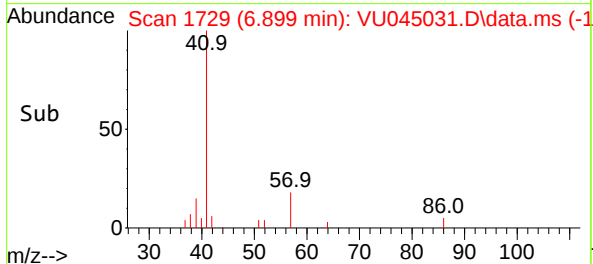
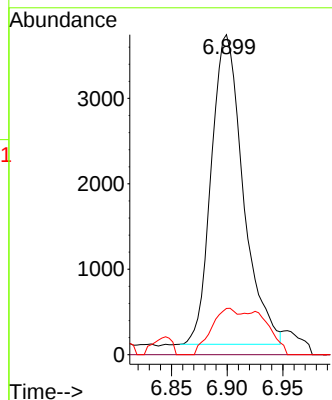
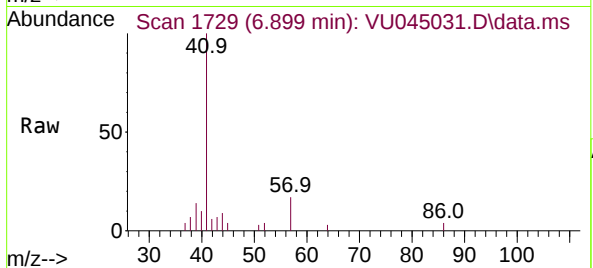
Delta R.T. -0.065 min

Lab File: VU045031.D

Acq: 30 Sep 2021 06:59

Tgt Ion:	41	Resp:	7224
Ion	Ratio	Lower	Upper
41	100		
69	0.0	65.6	98.4#
39	0.0	46.2	69.4#

Instrument :
MSVOA_U
ClientSampleId :
RP-COMP-3



#49

1,4-Dioxane

Concen: Below Cal

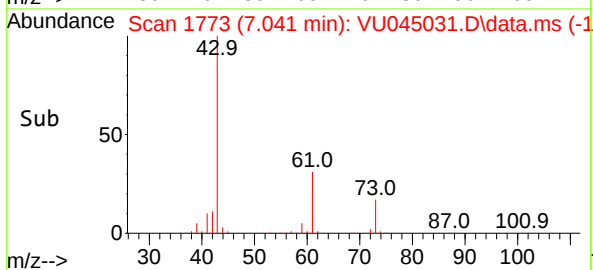
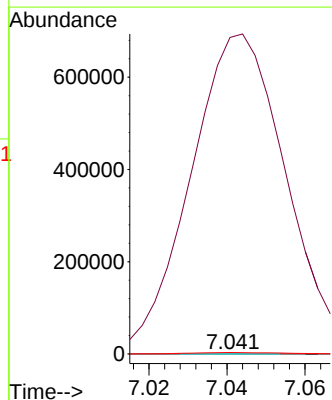
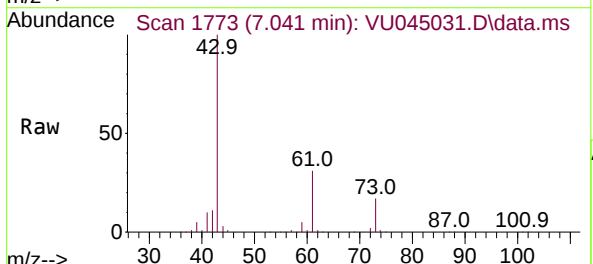
RT: 7.041 min Scan# 1773

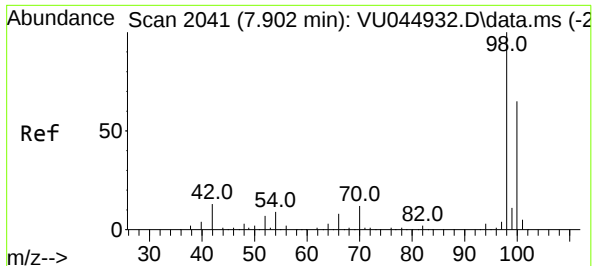
Delta R.T. 0.068 min

Lab File: VU045031.D

Acq: 30 Sep 2021 06:59

Tgt Ion:	88	Resp:	116
Ion	Ratio	Lower	Upper
88	100		
43	1034832.8	25.8	38.6#
58	4557.8	61.3	91.9#





#50

Toluene-d8

Concen: 52.157 ug/l

RT: 7.902 min Scan# 2041

Delta R.T. 0.000 min

Lab File: VU045031.D

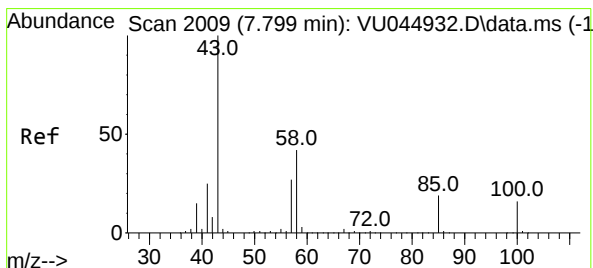
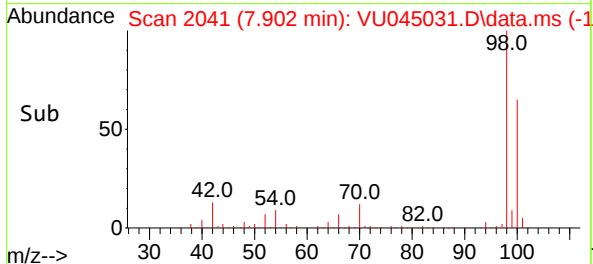
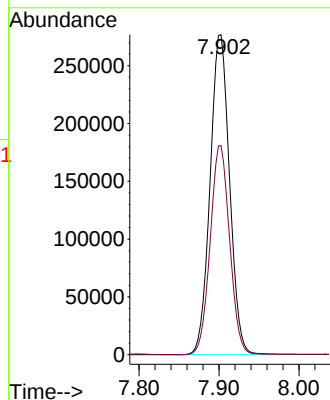
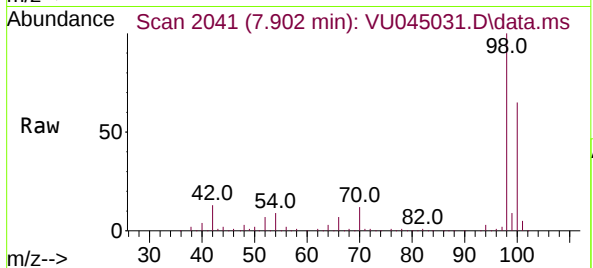
Acq: 30 Sep 2021 06:59

Tgt Ion: 98 Resp: 468575

Ion Ratio Lower Upper

98 100

100 65.3 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 1.518 ug/l

RT: 7.796 min Scan# 2008

Delta R.T. -0.003 min

Lab File: VU045031.D

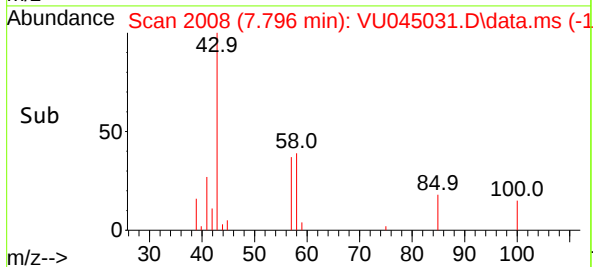
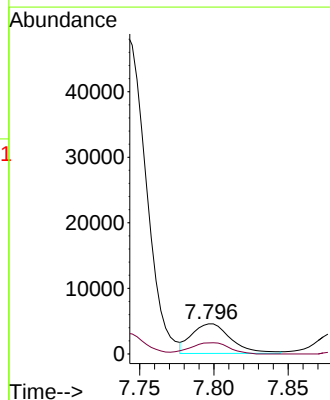
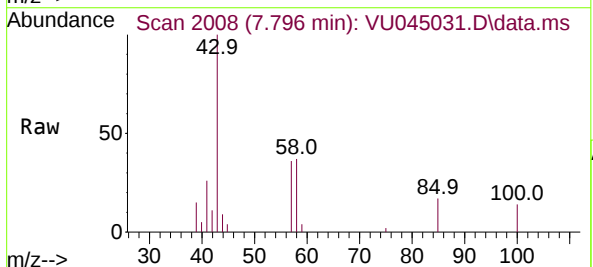
Acq: 30 Sep 2021 06:59

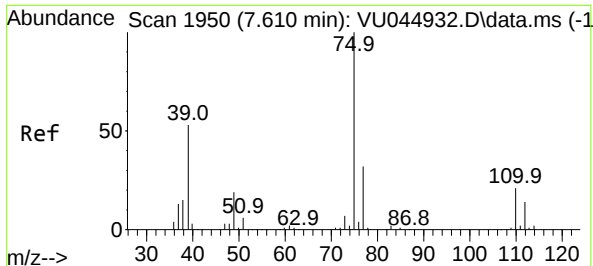
Tgt Ion: 43 Resp: 8289

Ion Ratio Lower Upper

43 100

58 37.4 32.4 48.6

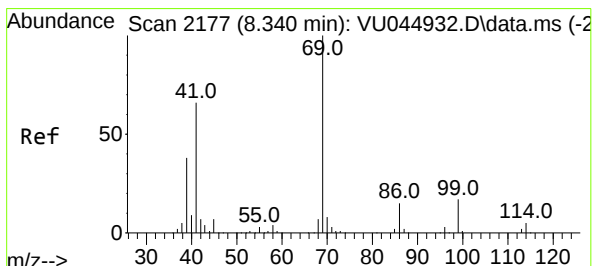
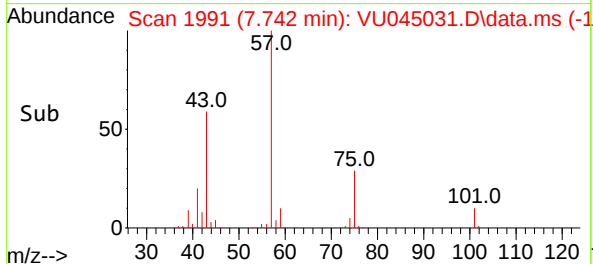
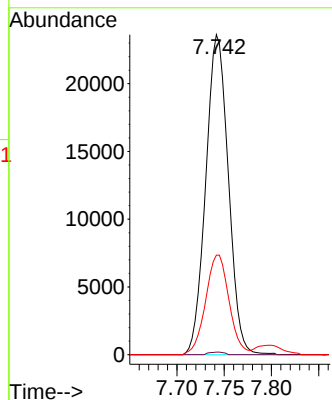
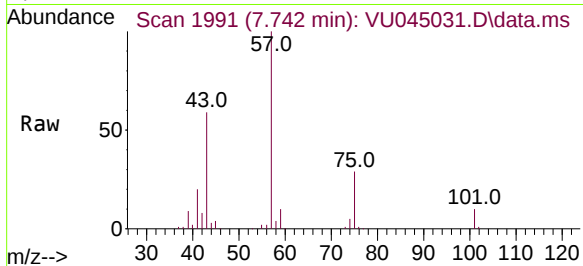




#54
 cis-1,3-Dichloropropene
 Concen: 8.459 ug/l
 RT: 7.742 min Scan# 1991
 Delta R.T. 0.132 min
 Lab File: VU045031.D
 Acq: 30 Sep 2021 06:59

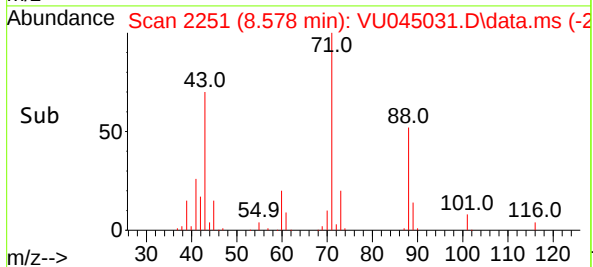
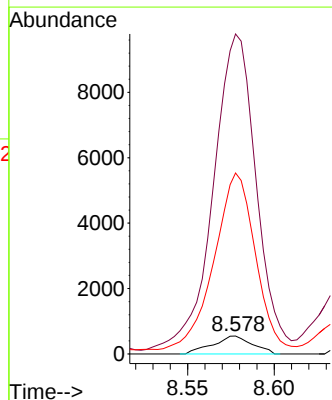
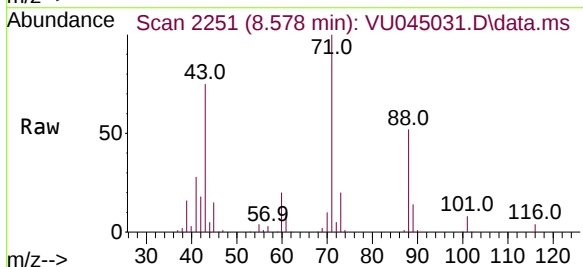
Instrument :
 MSVOA_U
 ClientSampleId :
 RP-COMP-3

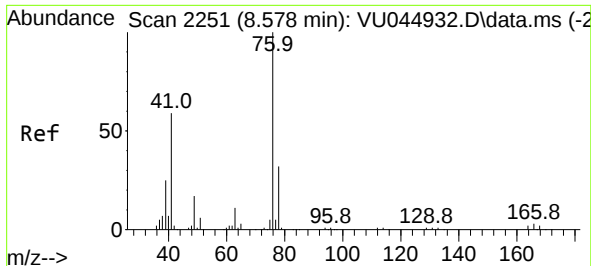
Tgt Ion: 75 Resp: 39224
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.6#
 39 31.1 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 1.969 ug/l
 RT: 8.578 min Scan# 2251
 Delta R.T. 0.238 min
 Lab File: VU045031.D
 Acq: 30 Sep 2021 06:59

Tgt Ion: 69 Resp: 872
 Ion Ratio Lower Upper
 69 100
 41 1900.5 53.5 80.3#
 39 1112.4 31.1 46.7#



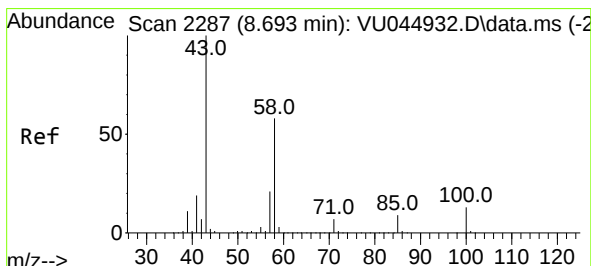
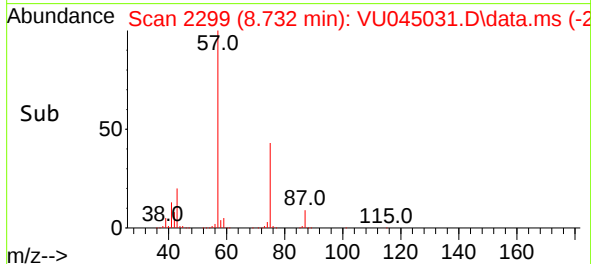
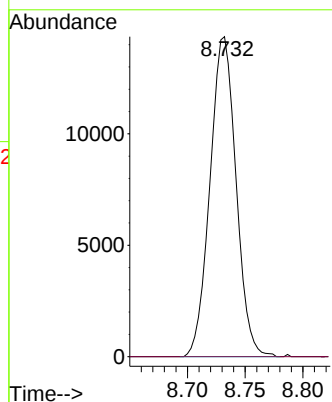
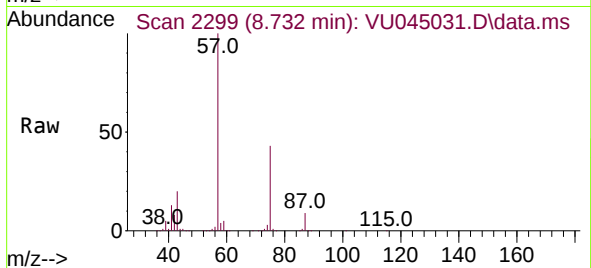


#57

1,3-Dichloropropane
Concen: 4.319 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.154 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

Instrument :
MSVOA_U
ClientSampleId :
RP-COMP-3

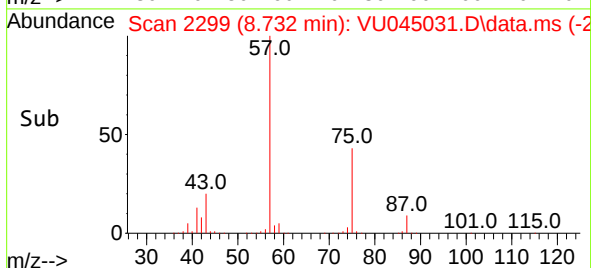
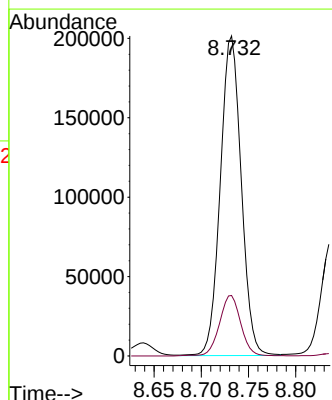
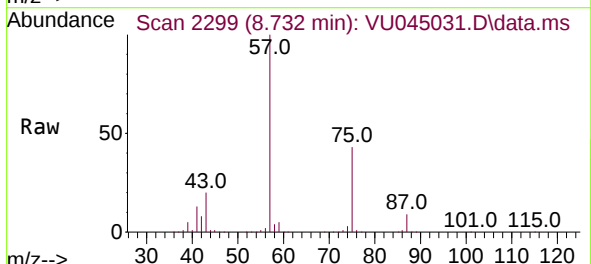
Tgt Ion: 76 Resp: 22564
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

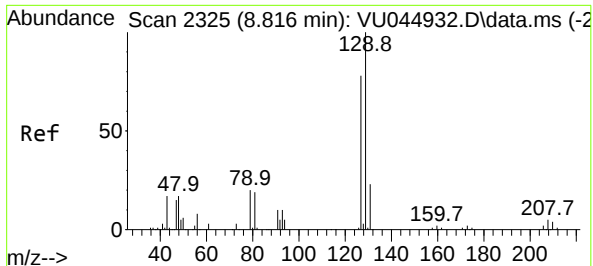


#59

2-Hexanone
Concen: 69.576 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.039 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

Tgt Ion: 43 Resp: 309480
Ion Ratio Lower Upper
43 100
58 19.4 28.0 84.0#

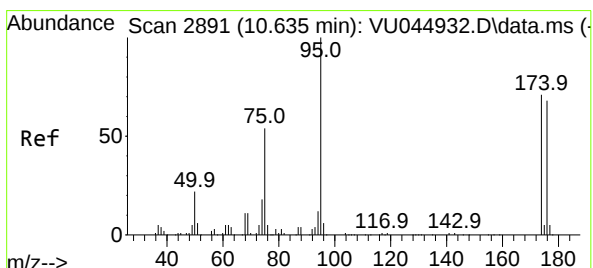
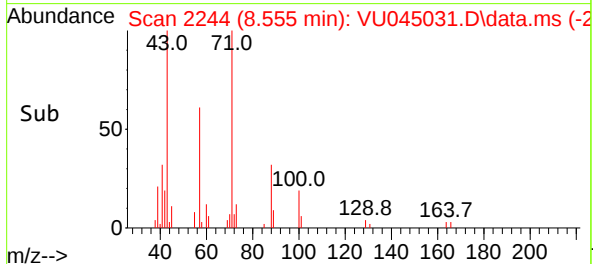
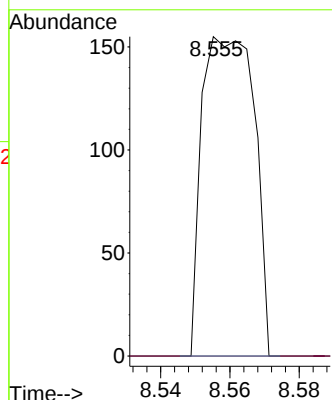
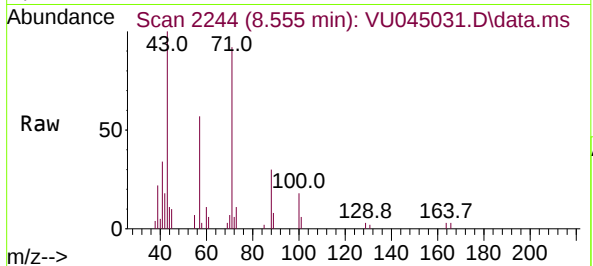




#60
Dibromochloromethane
Concen: 2.226 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.261 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

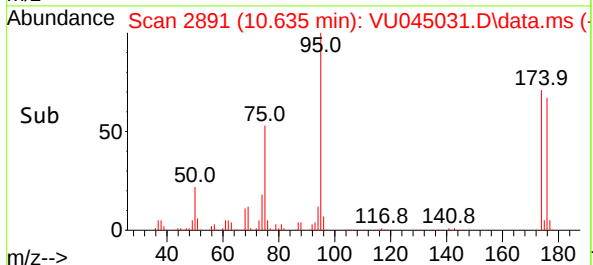
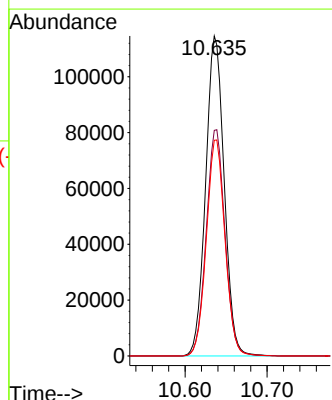
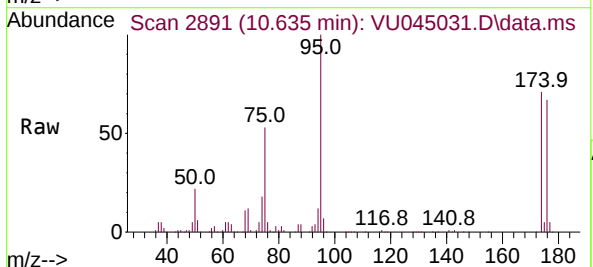
Instrument :
MSVOA_U
ClientSampleId :
RP-COMP-3

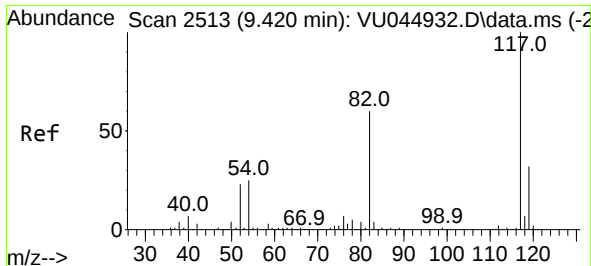
Tgt Ion:129 Resp: 162
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 48.493 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

Tgt Ion: 95 Resp: 179861
Ion Ratio Lower Upper
95 100
174 71.4 0.0 146.6
176 68.0 0.0 141.2

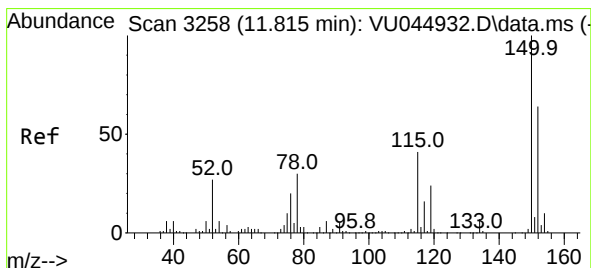
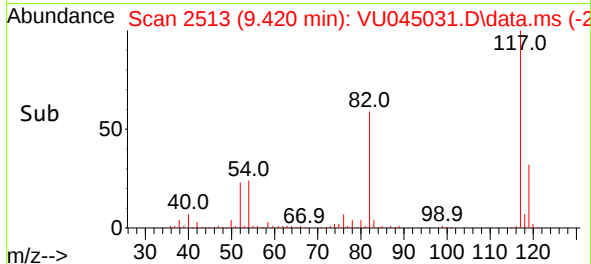
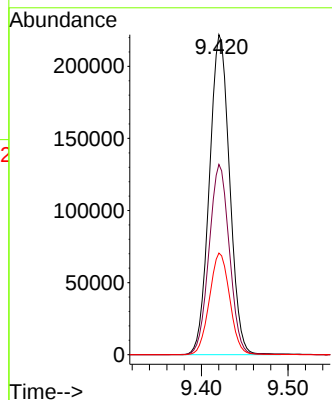
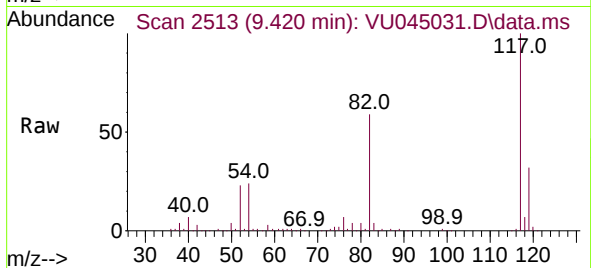




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

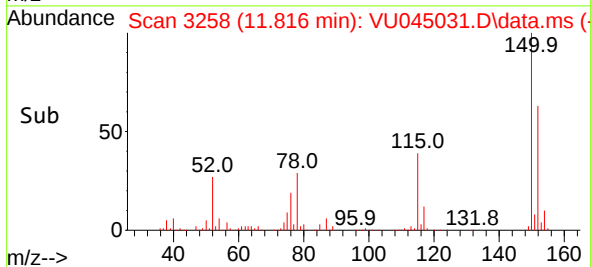
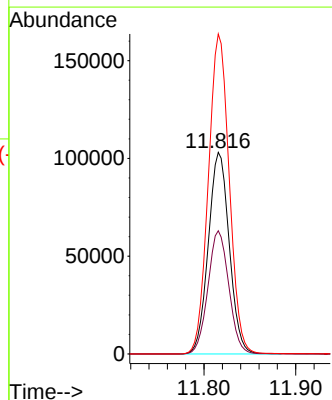
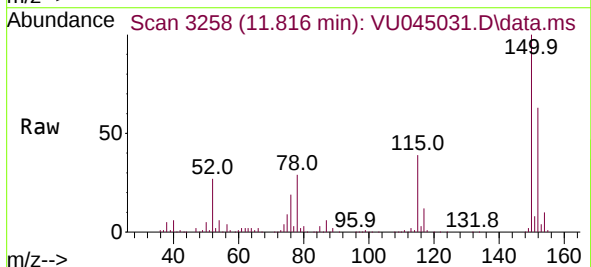
Instrument :
MSVOA_U
ClientSampleId :
RP-COMP-3

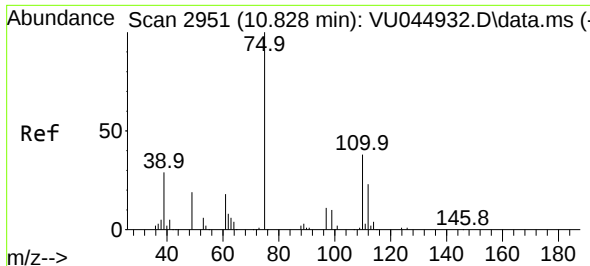
Tgt Ion:117 Resp: 360236
Ion Ratio Lower Upper
117 100
82 59.4 47.8 71.8
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.001 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

Tgt Ion:152 Resp: 163477
Ion Ratio Lower Upper
152 100
115 61.0 43.5 130.7
150 158.1 0.0 350.0

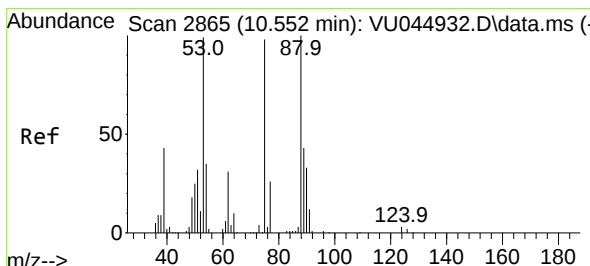
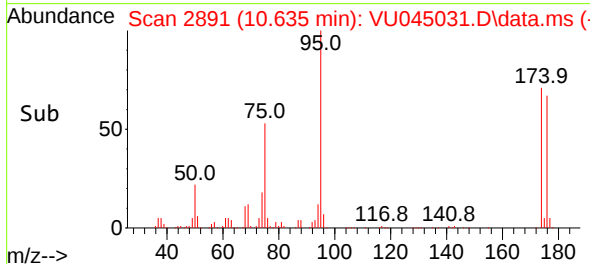
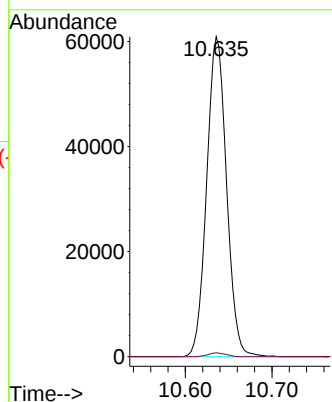
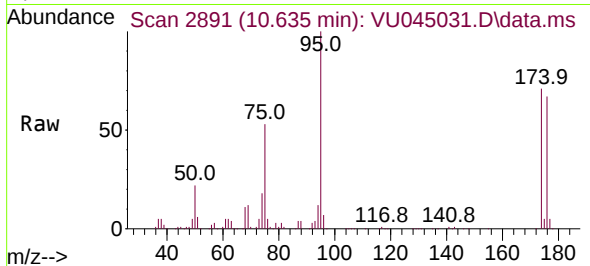




#76
1,2,3-Trichloropropane
Concen: 20.300 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

Instrument :
MSVOA_U
ClientSampleId :
RP-COMP-3

Tgt Ion: 75 Resp: 96796
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.335 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.083 min
Lab File: VU045031.D
Acq: 30 Sep 2021 06:59

Tgt Ion: 75 Resp: 96796
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

