

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100121\
 Data File : VU045071.D
 Acq On : 01 Oct 2021 14:29
 Operator : SY/MD
 Sample : PB139508ZHE#02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 02 03:11:21 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)

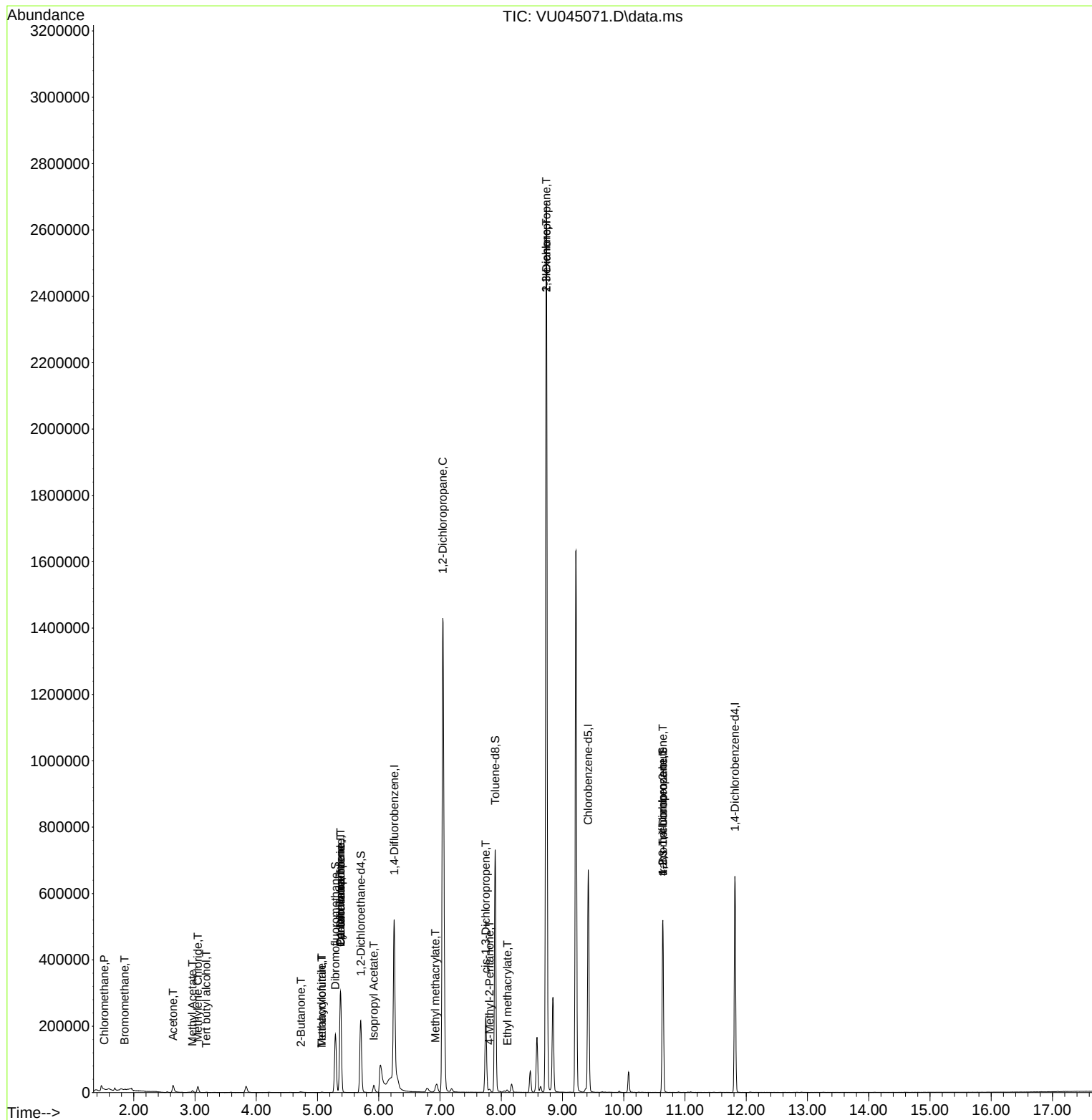
Internal Standards						
1) Pentafluorobenzene	5.375	168	199464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	372141	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	354929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	154125	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	165180	49.748	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.500%		
35) Dibromofluoromethane	5.292	113	114104	48.605	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.200%		
50) Toluene-d8	7.902	98	470247	50.697	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.400%		
62) 4-Bromofluorobenzene	10.639	95	172913	45.153	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.300%		
Target Compounds						Qvalue
3) Chloromethane	1.520	50	899	0.281	ug/l	96
5) Bromomethane	1.851	94	628	0.501	ug/l	92
11) Tert butyl alcohol	3.182	59	451	0.473	ug/l #	72
16) Acetone	2.642	43	32158	16.317	ug/l	97
18) Methyl Acetate	2.957	43	6827	1.185	ug/l	100
20) Methylene Chloride	3.047	84	8565	2.885	ug/l	96
25) 2-Butanone	4.729	43	4542	1.622	ug/l	100
29) Tetrahydrofuran	5.070	42	995	0.597	ug/l #	68
31) Cyclohexane	5.375	56	5229	1.037	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	19545	5.022	ug/l #	50
38) Carbon Tetrachloride	5.375	117	20925	6.214	ug/l #	16
41) Methacrylonitrile	5.070	41	604	0.228	ug/l #	35
43) Isopropyl Acetate	5.919	43	26827	3.463	ug/l	98
45) 1,2-Dichloropropane	7.047	63	2169	0.706	ug/l #	45
48) Methyl methacrylate	6.925	41	9251	2.453	ug/l #	14
49) 1,4-Dioxane	7.037	88	98	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.809	43	7270	1.289	ug/l	95
54) cis-1,3-Dichloropropene	7.748	75	45356	9.473	ug/l #	60
56) Ethyl methacrylate	8.099	69	4941	2.632	ug/l #	72
57) 1,3-Dichloropropane	8.735	76	29235	5.419	ug/l #	43
59) 2-Hexanone	8.735	43	405682	88.334	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	93904	20.888	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.639	75	93904	57.968	ug/l #	9

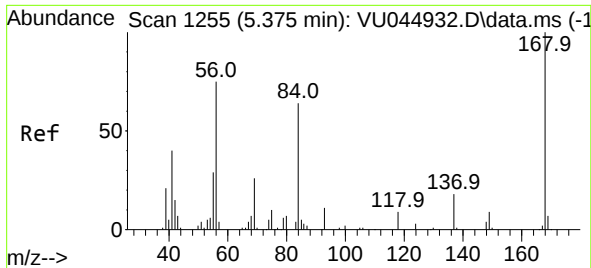
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Oct 02 03:11:21 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

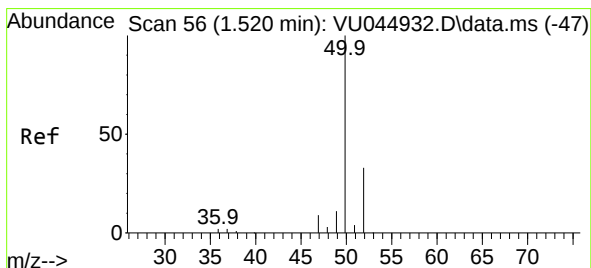
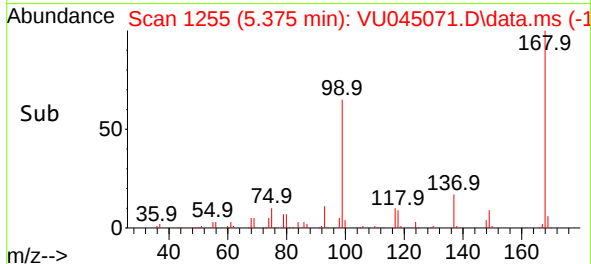
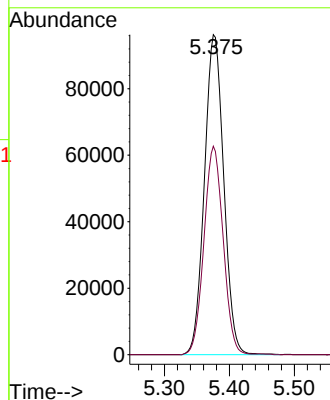
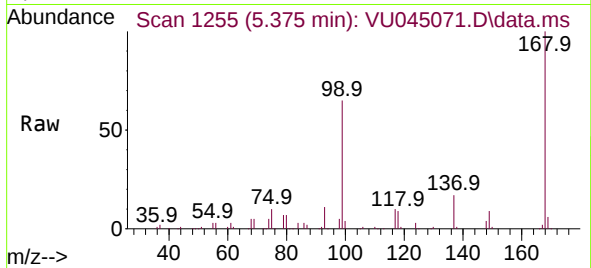




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

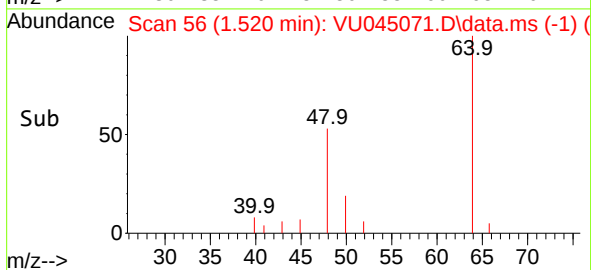
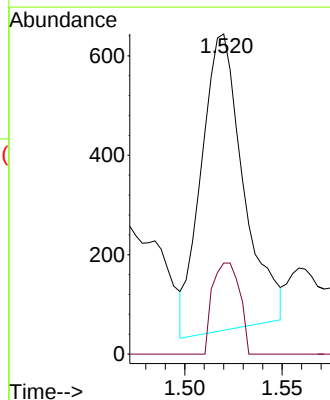
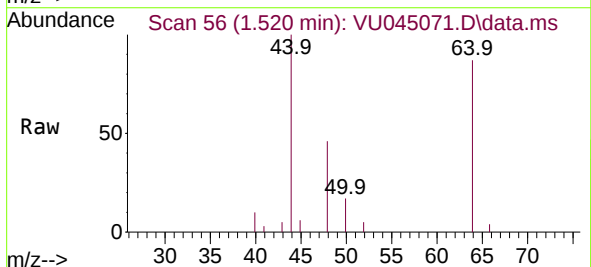
Instrument :
MSVOA_U
ClientSampled :

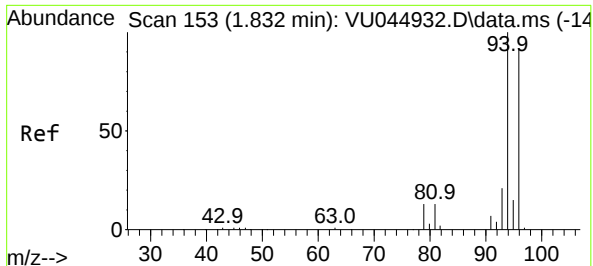
Tgt Ion:168 Resp: 199464
Ion Ratio Lower Upper
168 100
99 65.2 51.4 77.0



#3
Chloromethane
Concen: 0.281 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

Tgt Ion: 50 Resp: 899
Ion Ratio Lower Upper
50 100
52 35.3 26.3 39.5

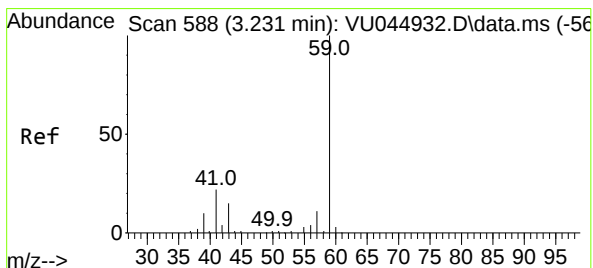
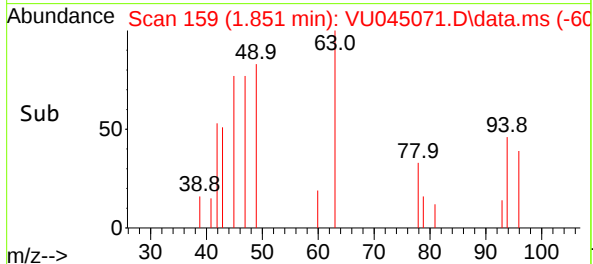
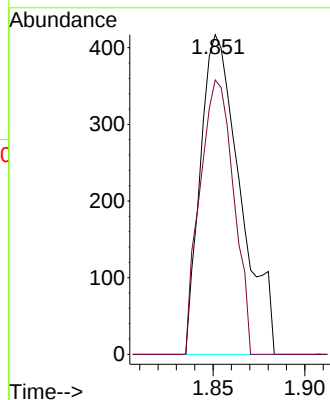
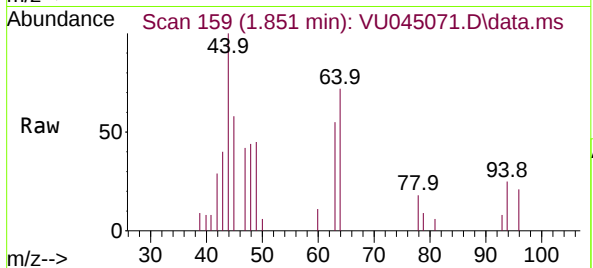




#5
Bromomethane
Concen: 0.501 ug/l
RT: 1.851 min Scan# 159
Delta R.T. 0.019 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

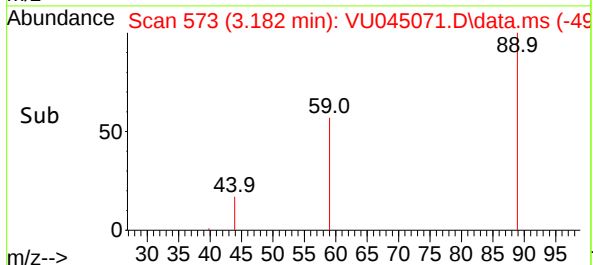
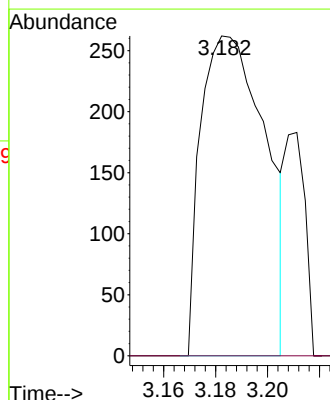
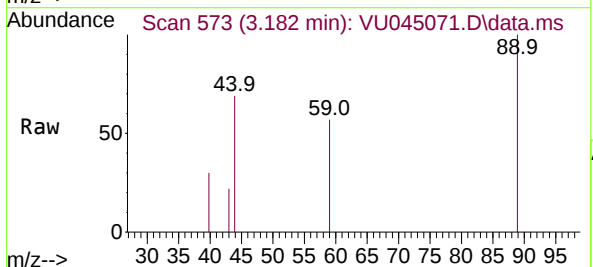
Instrument :
MSVOA_U
ClientSampled :

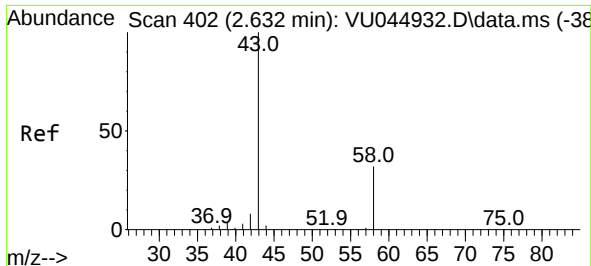
Tgt Ion: 94 Resp: 628
Ion Ratio Lower Upper
94 100
96 85.9 74.5 111.7



#11
Tert butyl alcohol
Concen: 0.473 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.049 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

Tgt Ion: 59 Resp: 451
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

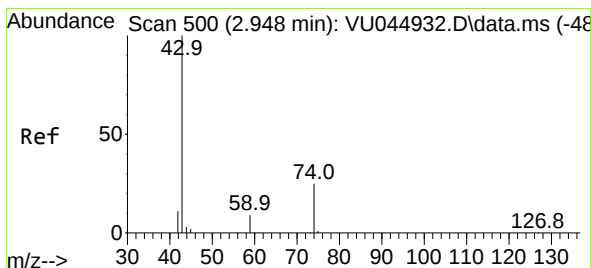
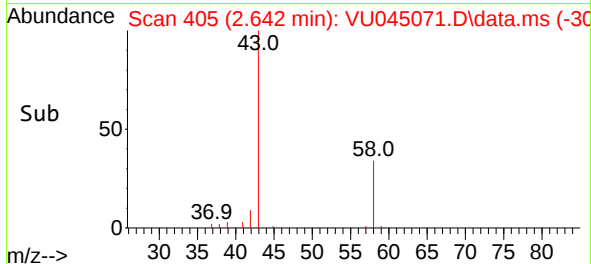
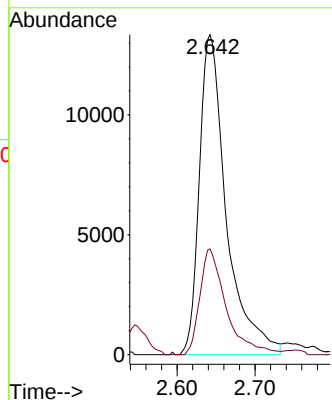
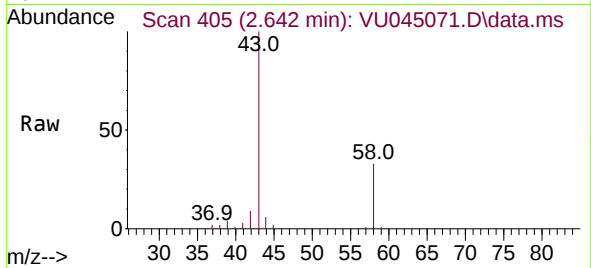




#16
Acetone
Concen: 16.317 ug/l
RT: 2.642 min Scan# 405
Delta R.T. 0.010 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

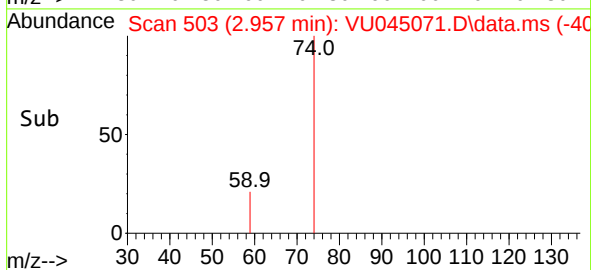
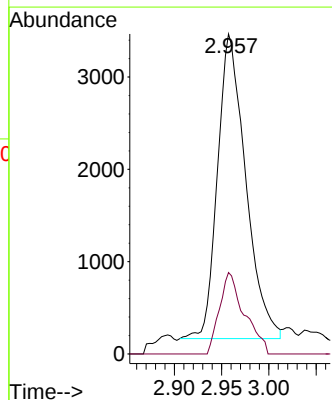
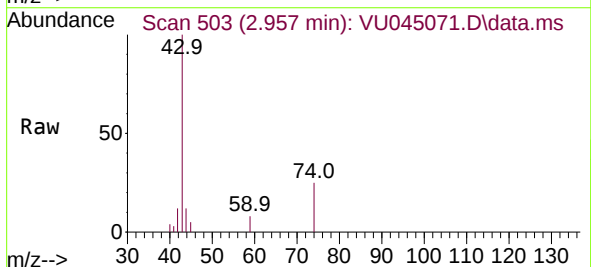
Instrument :
MSVOA_U
ClientSampled :

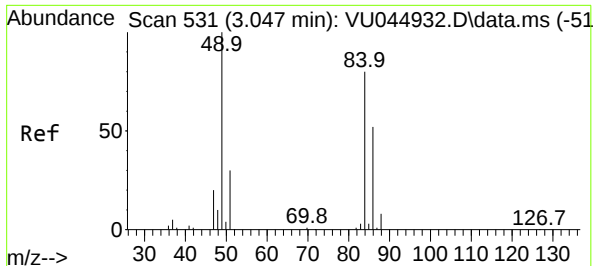
Tgt Ion: 43 Resp: 32158
Ion Ratio Lower Upper
43 100
58 33.1 25.2 37.8



#18
Methyl Acetate
Concen: 1.185 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.009 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

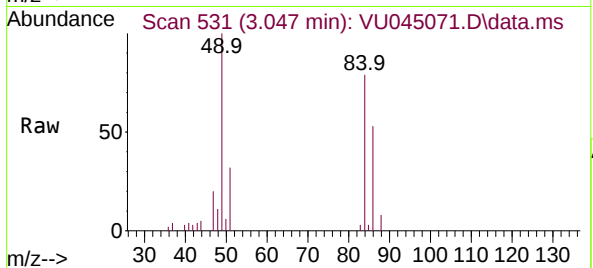
Tgt Ion: 43 Resp: 6827
Ion Ratio Lower Upper
43 100
74 23.7 19.0 28.6



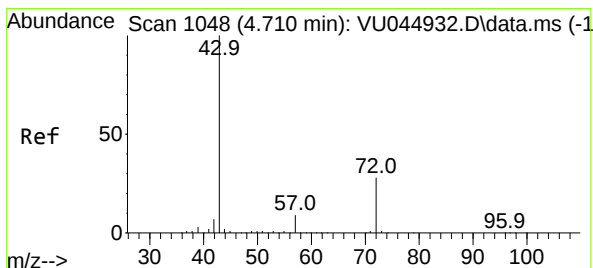
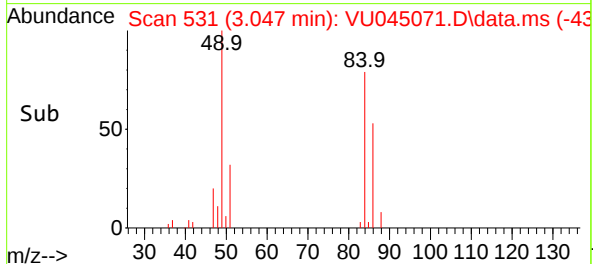
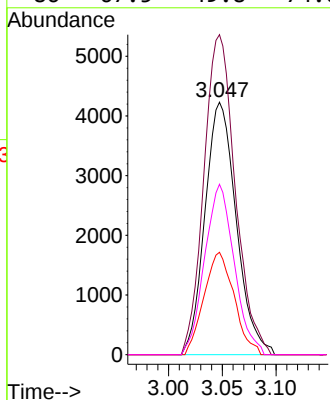


#20
Methylene Chloride
Concen: 2.885 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

Instrument :
MSVOA_U
ClientSampleId :

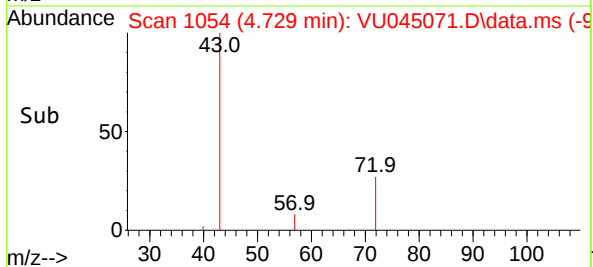
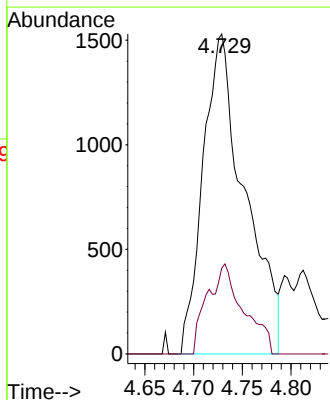
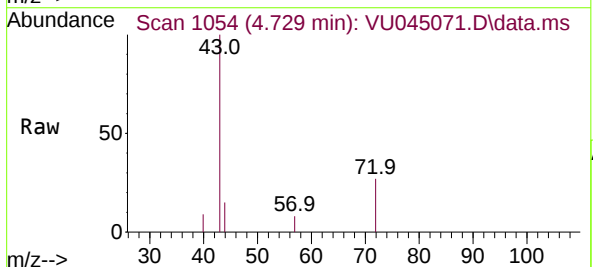


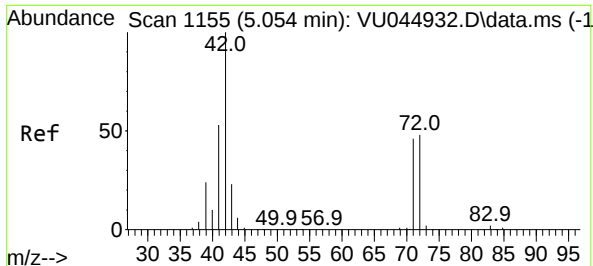
Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.8	104.9	157.3
51	40.5	31.8	47.8
86	67.5	49.8	74.6



#25
2-Butanone
Concen: 1.622 ug/l
RT: 4.729 min Scan# 1054
Delta R.T. 0.019 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.3	31.9





#29

Tetrahydrofuran

Concen: 0.597 ug/l

RT: 5.070 min Scan# 1160

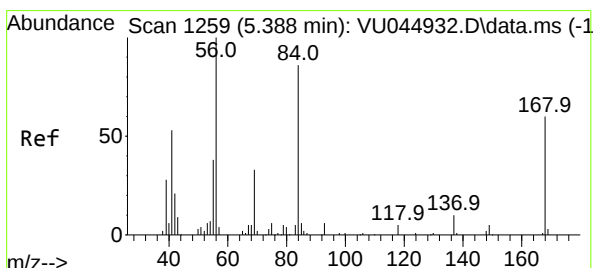
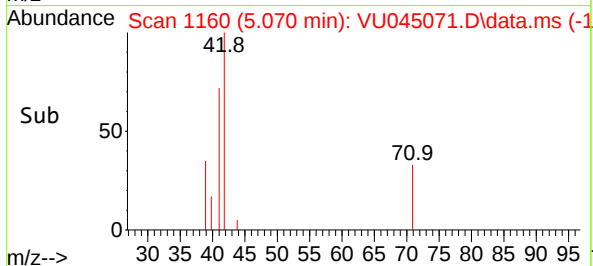
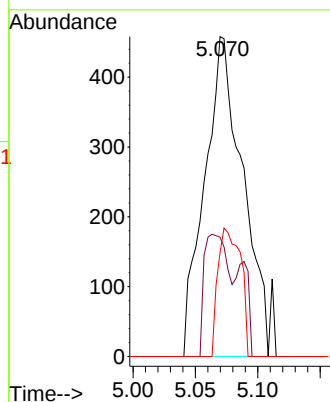
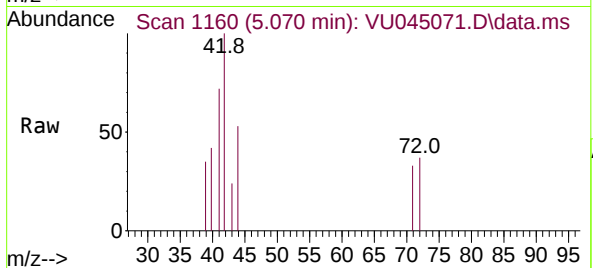
Delta R.T. 0.016 min

Lab File: VU045071.D

Acq: 01 Oct 2021 14:29

Tgt Ion:	42	Resp:	995
Ion	Ratio	Lower	Upper
42	100		
72	23.6	36.2	54.4#
71	23.3	34.1	51.1#

Instrument :
MSVOA_U
ClientSampleId :



#31

Cyclohexane

Concen: 1.037 ug/l

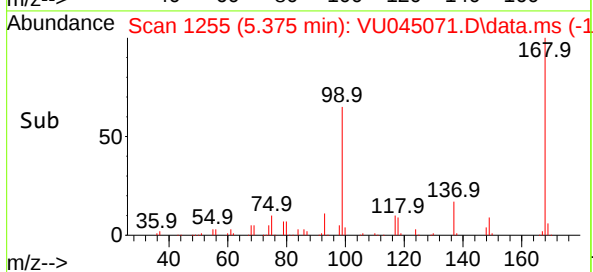
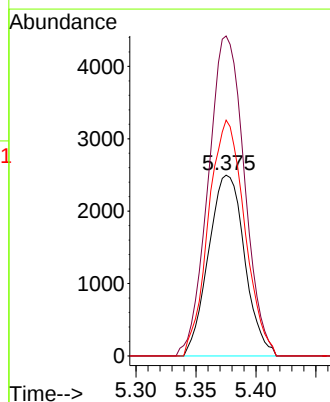
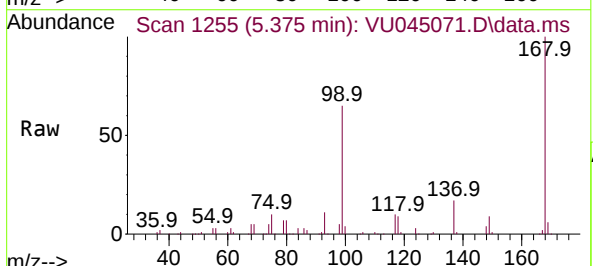
RT: 5.375 min Scan# 1255

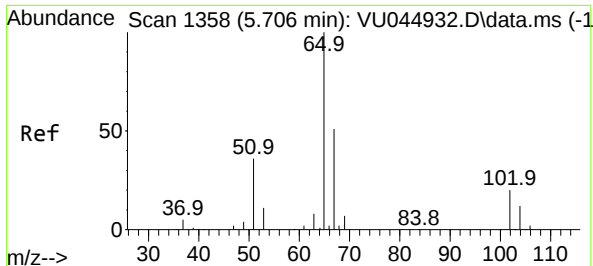
Delta R.T. -0.013 min

Lab File: VU045071.D

Acq: 01 Oct 2021 14:29

Tgt Ion:	56	Resp:	5229
Ion	Ratio	Lower	Upper
56	100		
69	176.9	25.2	37.8#
84	130.4	66.4	99.6#



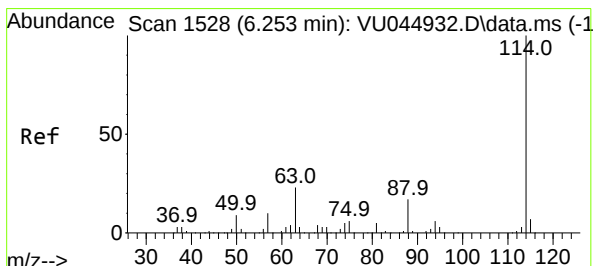
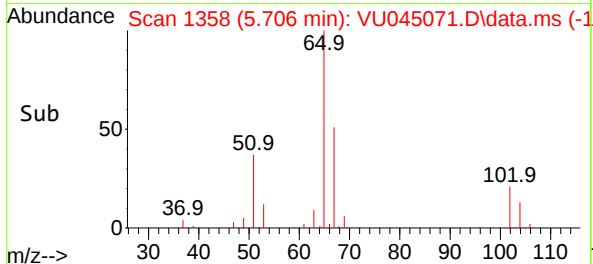
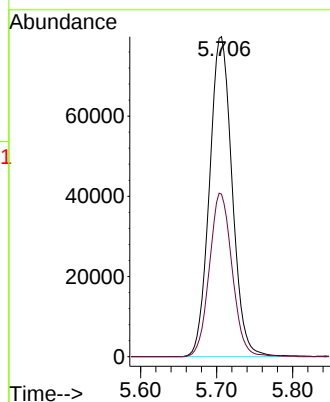
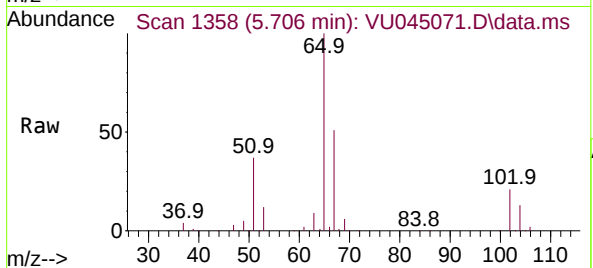


#33

1,2-Dichloroethane-d4
Concen: 49.748 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

Instrument :
MSVOA_U
ClientSampled :

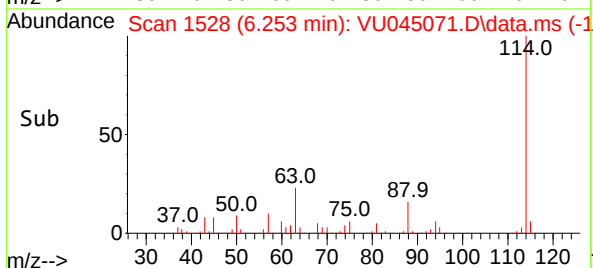
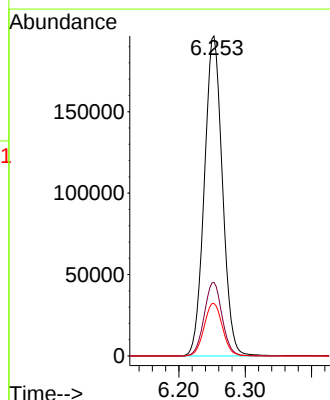
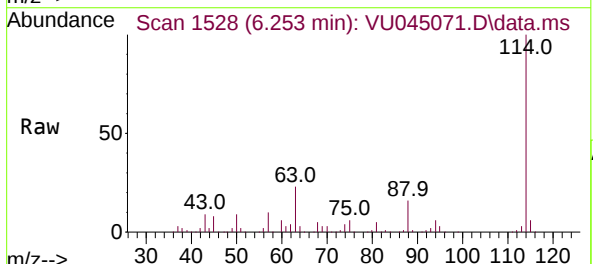
Tgt Ion: 65 Resp: 165180
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.8

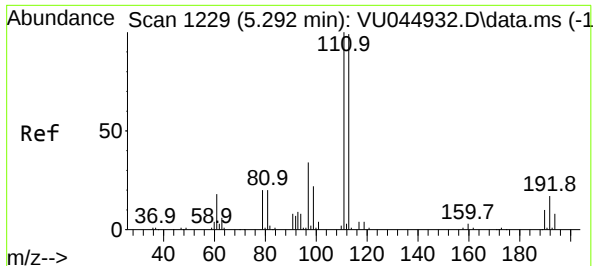


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

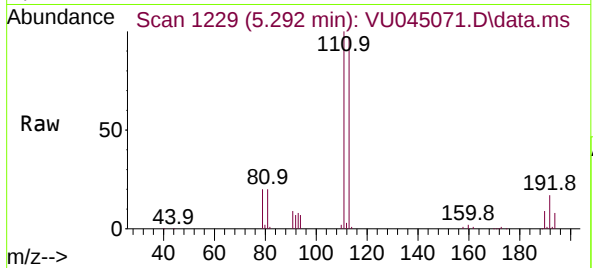
Tgt Ion: 114 Resp: 372141
Ion Ratio Lower Upper
114 100
63 23.0 0.0 47.8
88 16.4 0.0 32.8



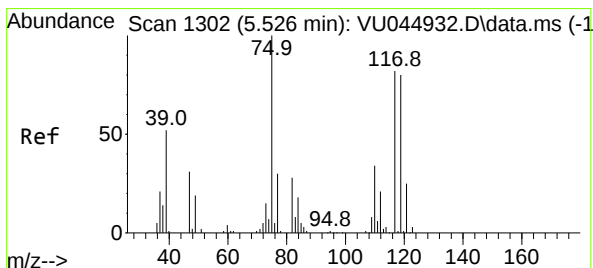
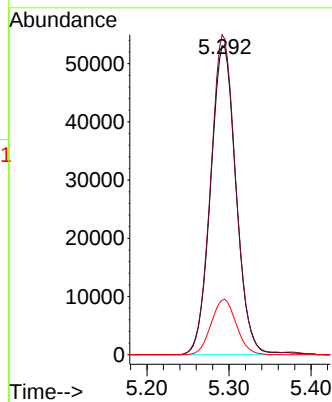
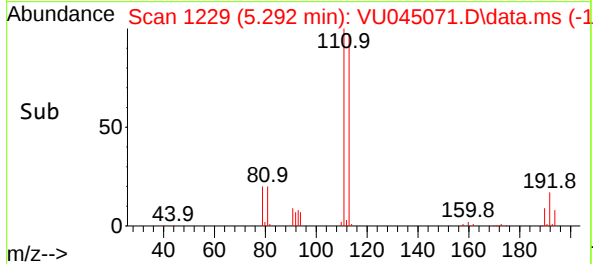


#35
Dibromofluoromethane
Concen: 48.605 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

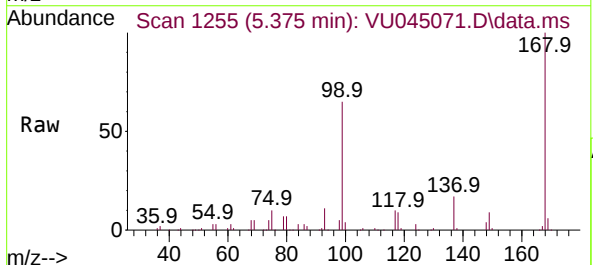
Instrument :
MSVOA_U
ClientSampled :



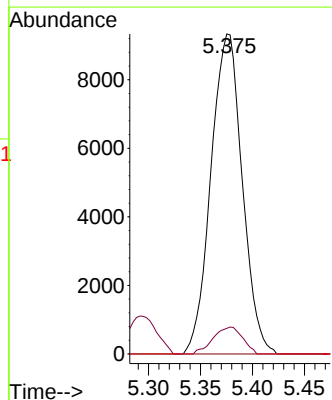
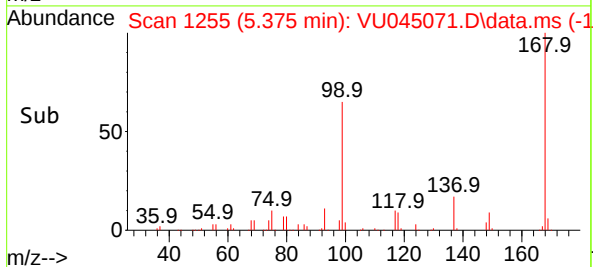
Tgt Ion:113 Resp: 114104
Ion Ratio Lower Upper
113 100
111 102.8 84.1 126.1
192 17.7 14.8 22.2

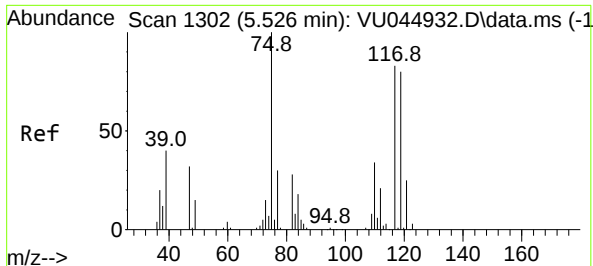


#36
1,1-Dichloropropene
Concen: 5.022 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29



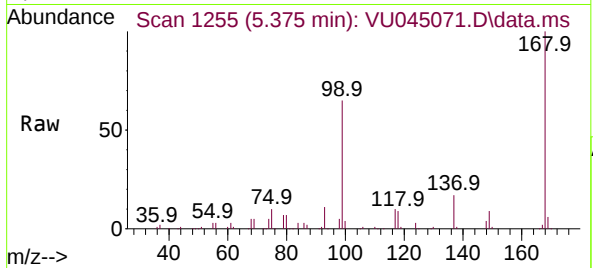
Tgt Ion: 75 Resp: 19545
Ion Ratio Lower Upper
75 100
110 7.9 16.3 48.9#
77 0.0 25.0 37.4#



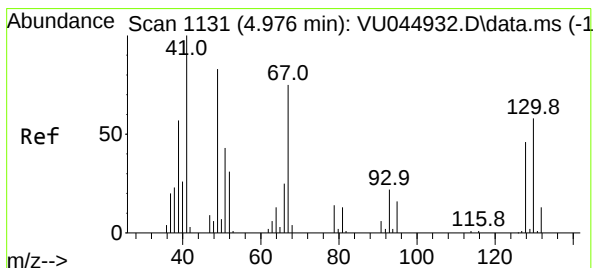
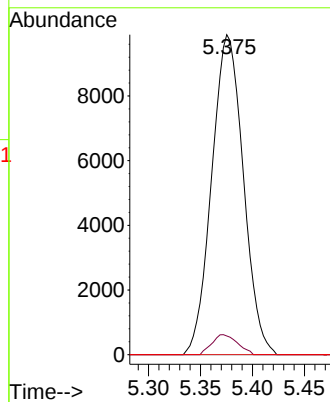
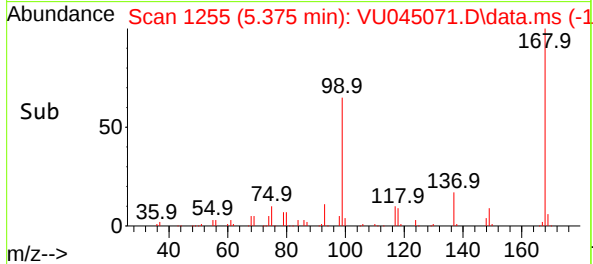


#38
Carbon Tetrachloride
Concen: 6.214 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

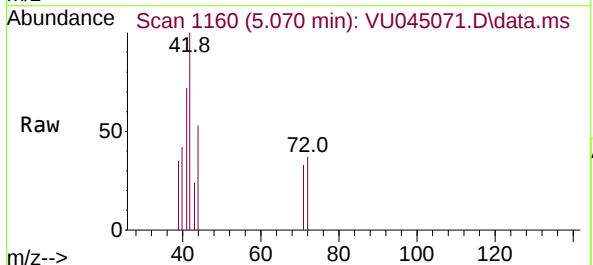
Instrument :
MSVOA_U
ClientSampleId :



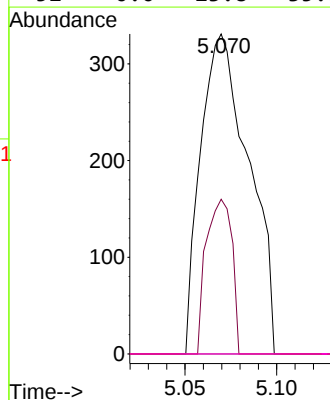
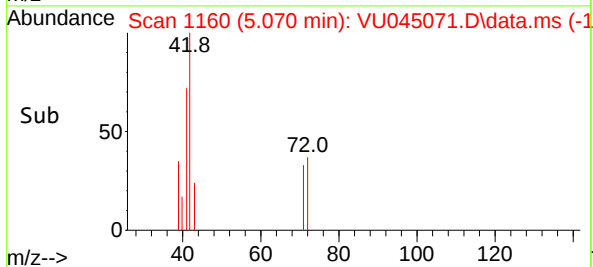
Tgt Ion:117 Resp: 20925
Ion Ratio Lower Upper
117 100
119 5.9 77.4 116.2#
121 0.0 24.5 36.7#

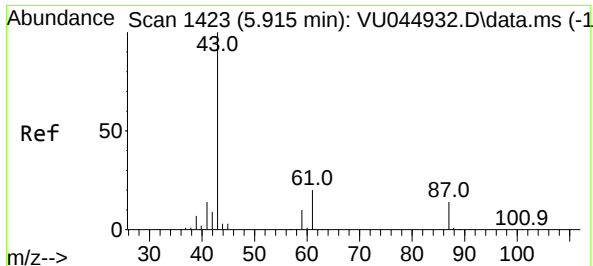


#41
Methacrylonitrile
Concen: 0.228 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.094 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29



Tgt Ion: 41 Resp: 604
Ion Ratio Lower Upper
41 100
39 25.8 44.4 66.6#
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: 3.463 ug/l

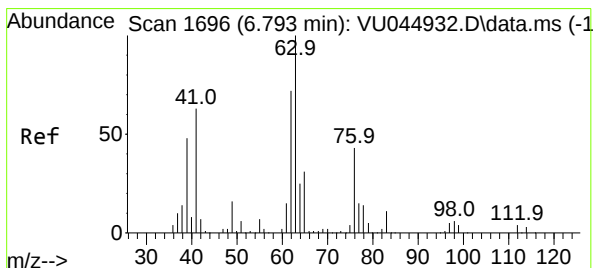
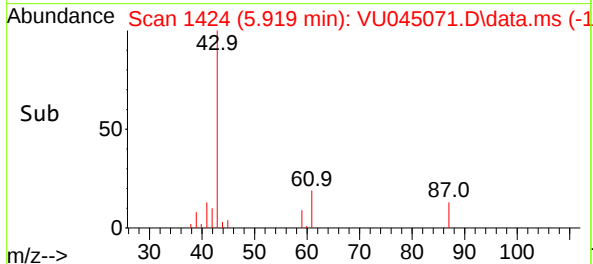
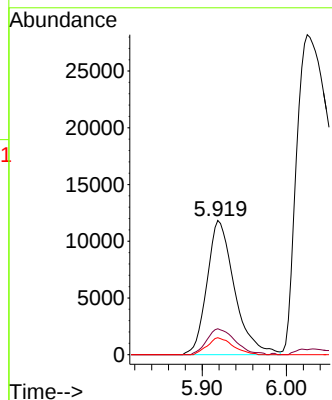
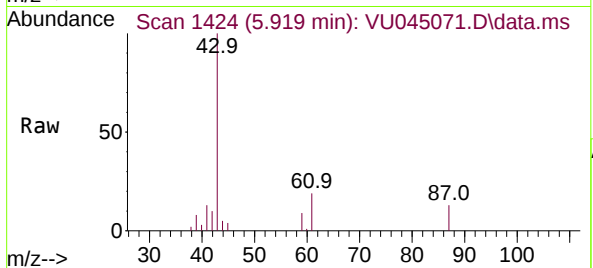
RT: 5.919 min Scan# 1424

Delta R.T. 0.004 min

Lab File: VU045071.D

Acq: 01 Oct 2021 14:29

Tgt Ion: 43	Resp: 26827
Ion Ratio	Lower Upper
43	100
61	19.8 16.1 24.1
87	11.6 10.3 15.5



#45

1,2-Dichloropropane

Concen: 0.706 ug/l

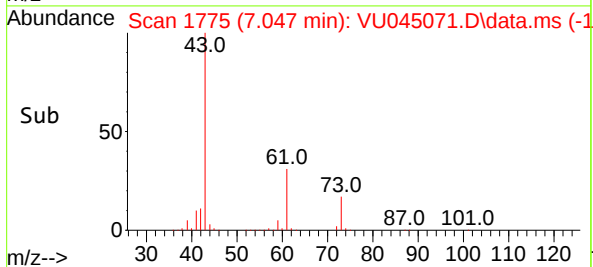
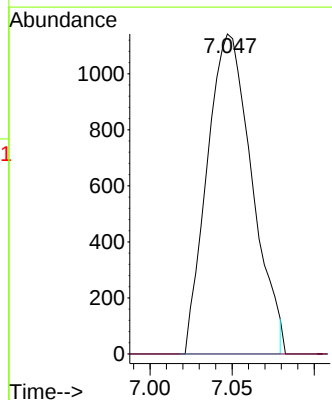
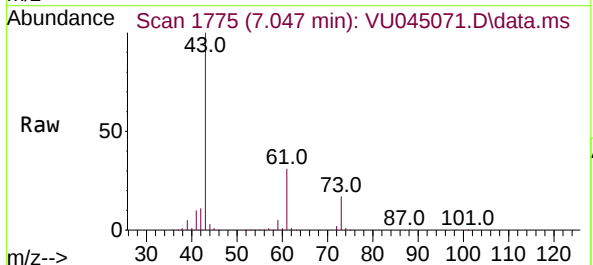
RT: 7.047 min Scan# 1775

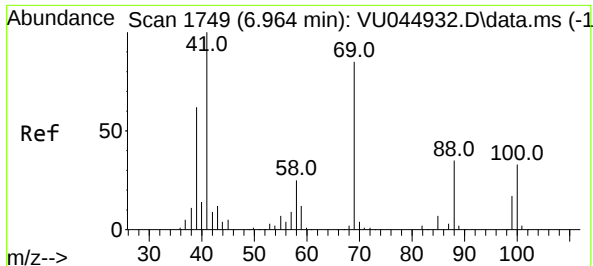
Delta R.T. 0.254 min

Lab File: VU045071.D

Acq: 01 Oct 2021 14:29

Tgt Ion: 63	Resp: 2169
Ion Ratio	Lower Upper
63	100
65	0.0 23.9 35.9#

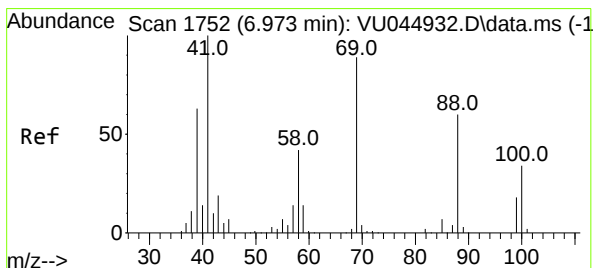
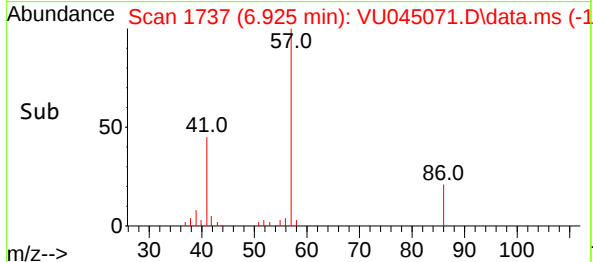
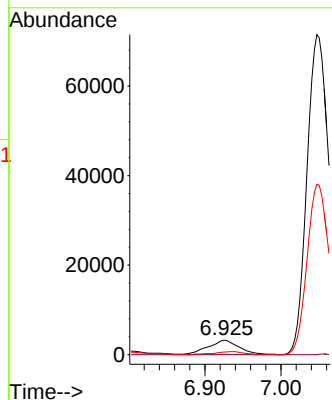
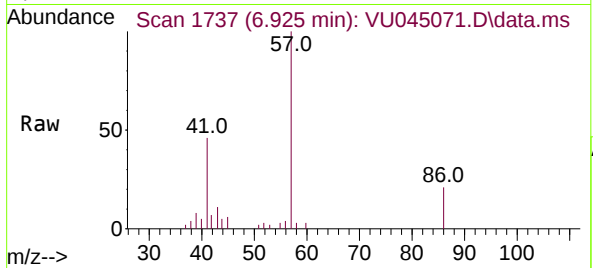




#48
Methyl methacrylate
Concen: 2.453 ug/l
RT: 6.925 min Scan# 1737
Delta R.T. -0.039 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

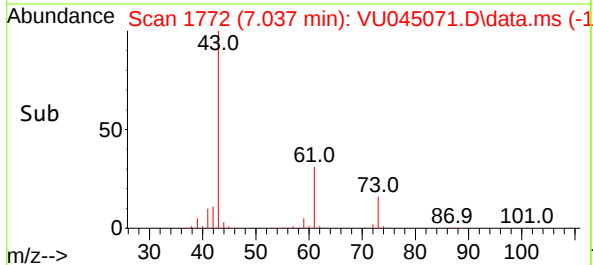
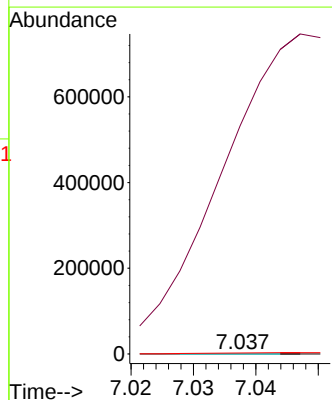
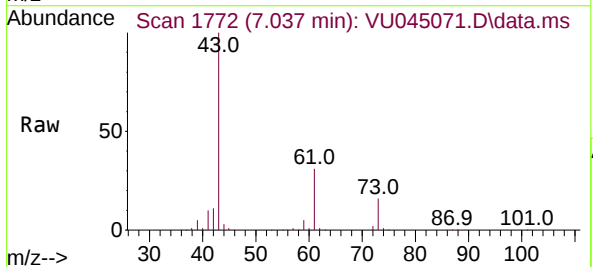
Instrument :
MSVOA_U
ClientSampleId :

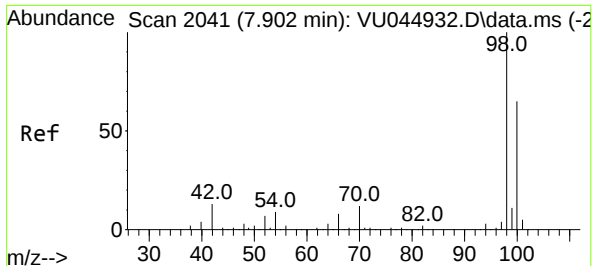
Tgt Ion: 41 Resp: 9251
Ion Ratio Lower Upper
41 100
69 0.0 65.6 98.4#
39 0.0 46.2 69.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.037 min Scan# 1772
Delta R.T. 0.064 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

Tgt Ion: 88 Resp: 98
Ion Ratio Lower Upper
88 100
43 1610284.7 25.8 38.6#
58 6885.7 61.3 91.9#

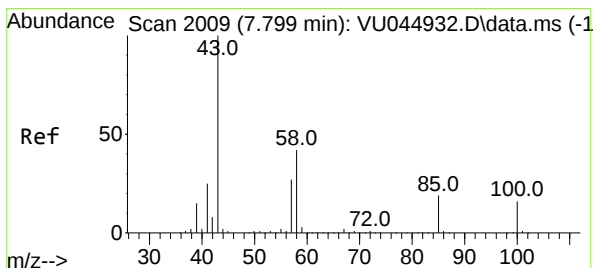
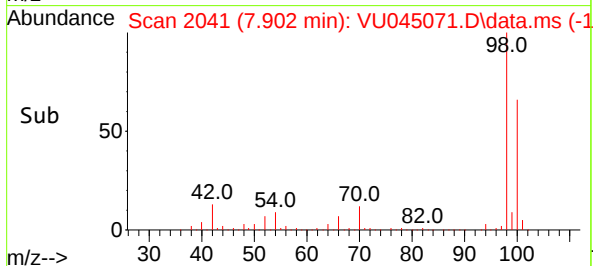
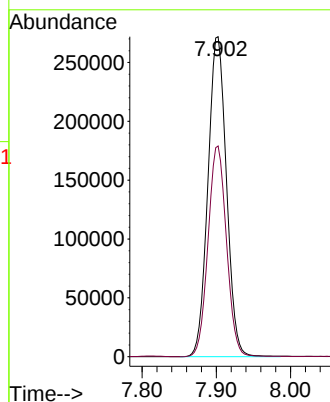
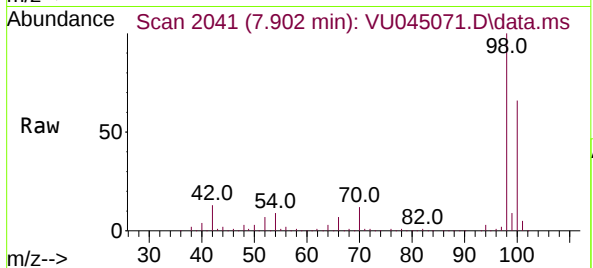




#50
Toluene-d8
Concen: 50.697 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

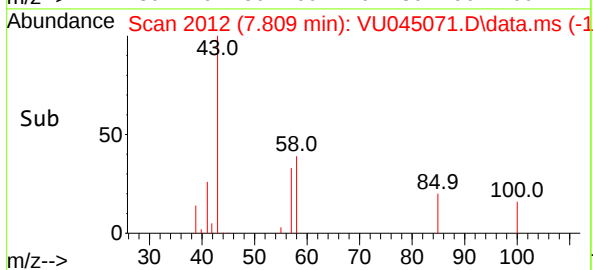
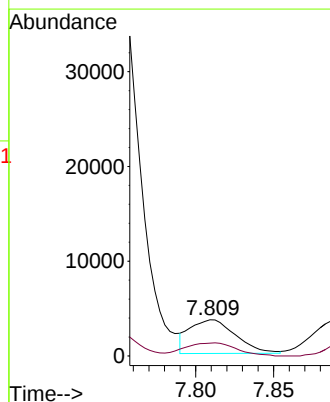
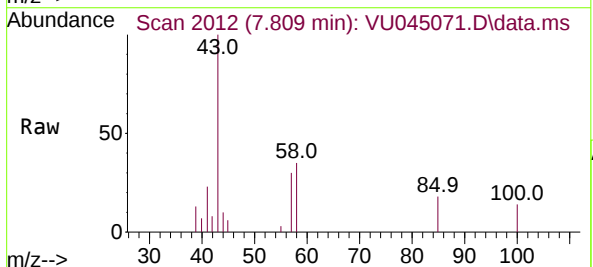
Instrument :
MSVOA_U
ClientSampled :

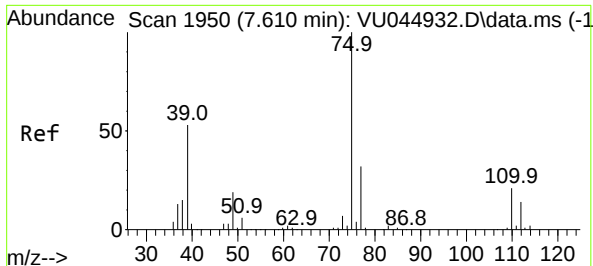
Tgt Ion: 98 Resp: 470247
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.289 ug/l
RT: 7.809 min Scan# 2012
Delta R.T. 0.010 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

Tgt Ion: 43 Resp: 7270
Ion Ratio Lower Upper
43 100
58 43.7 32.4 48.6

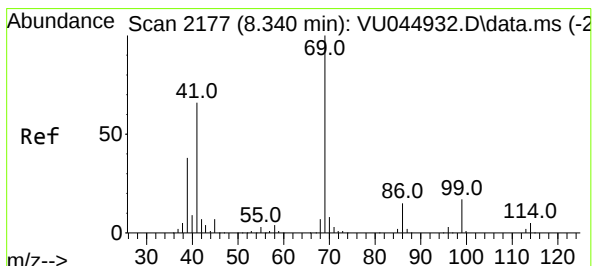
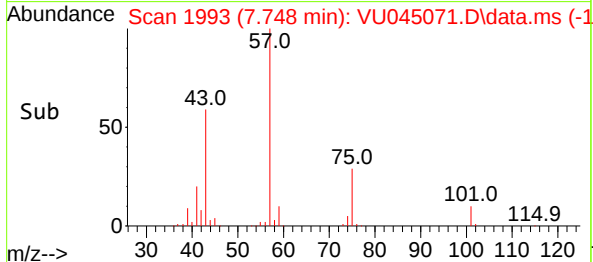
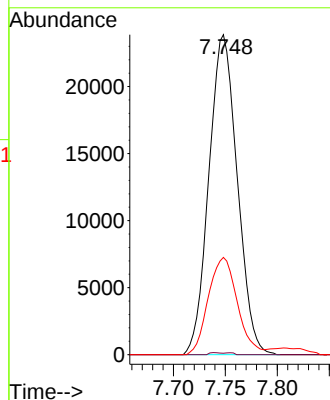
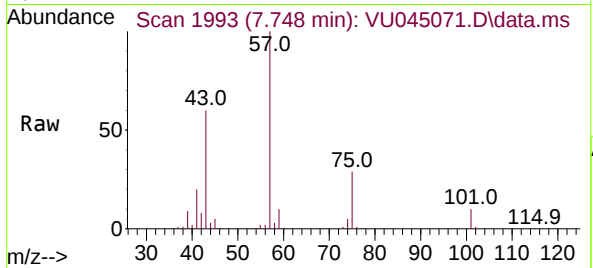




#54
 cis-1,3-Dichloropropene
 Concen: 9.473 ug/l
 RT: 7.748 min Scan# 1993
 Delta R.T. 0.138 min
 Lab File: VU045071.D
 Acq: 01 Oct 2021 14:29

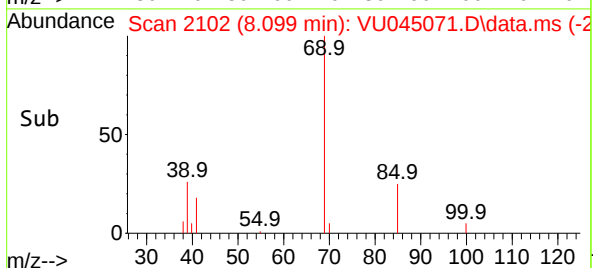
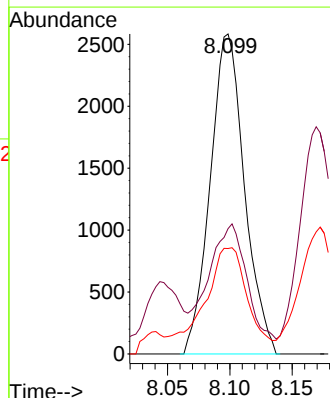
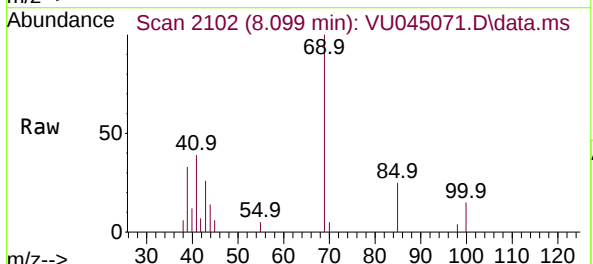
Instrument :
 MSVOA_U
 ClientSampleId :

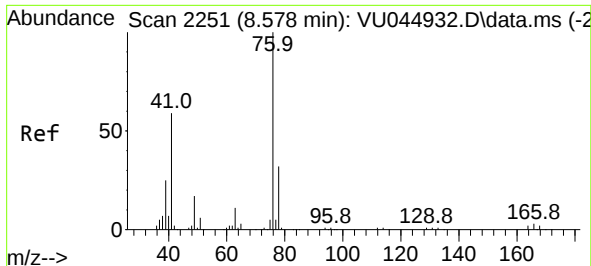
Tgt Ion: 75 Resp: 45356
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 30.4 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 2.632 ug/l
 RT: 8.099 min Scan# 2102
 Delta R.T. -0.241 min
 Lab File: VU045071.D
 Acq: 01 Oct 2021 14:29

Tgt Ion: 69 Resp: 4941
 Ion Ratio Lower Upper
 69 100
 41 37.6 53.5 80.3#
 39 31.2 31.1 46.7



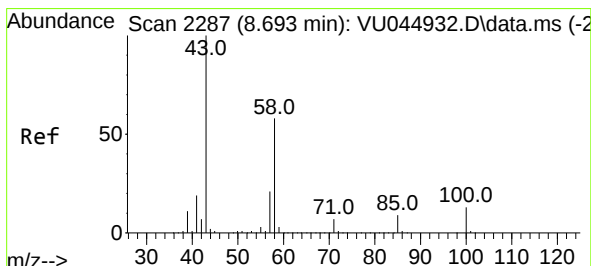
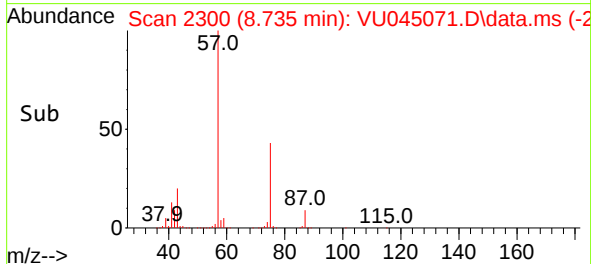
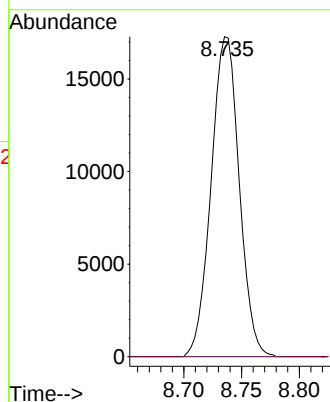
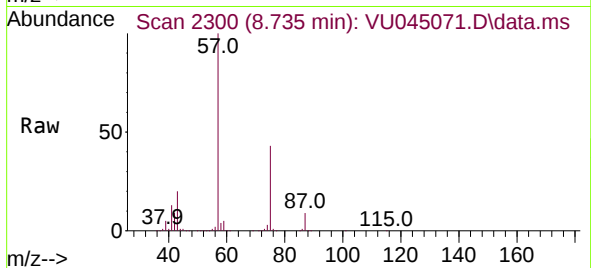


#57

1,3-Dichloropropane
Concen: 5.419 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.157 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

Instrument :
MSVOA_U
ClientSampled :

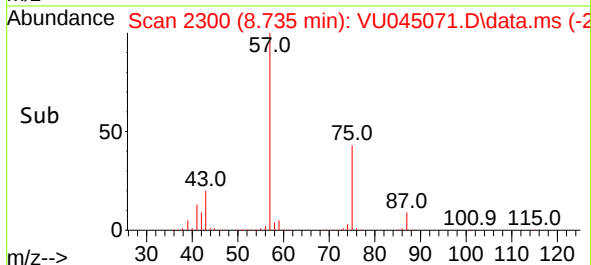
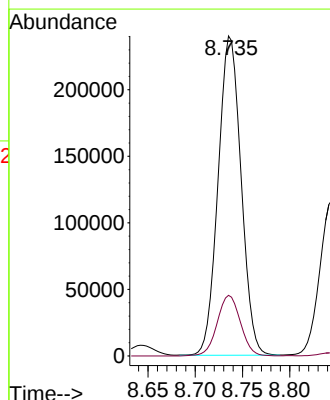
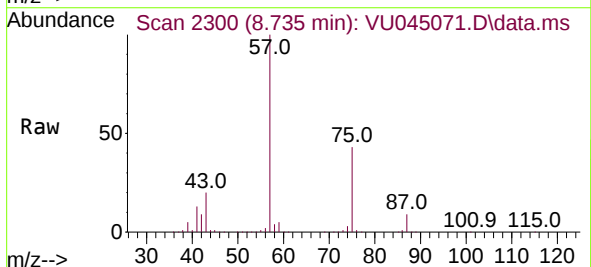
Tgt Ion: 76 Resp: 29235
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

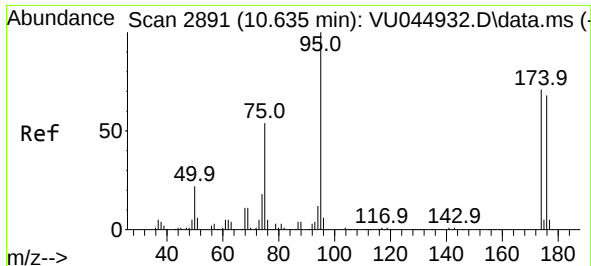


#59

2-Hexanone
Concen: 88.334 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.042 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

Tgt Ion: 43 Resp: 405682
Ion Ratio Lower Upper
43 100
58 19.3 28.0 84.0#

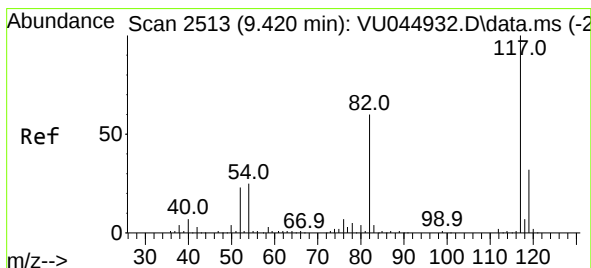
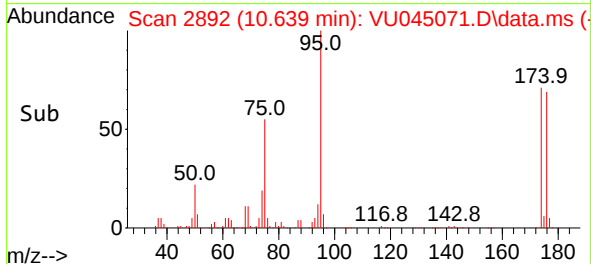
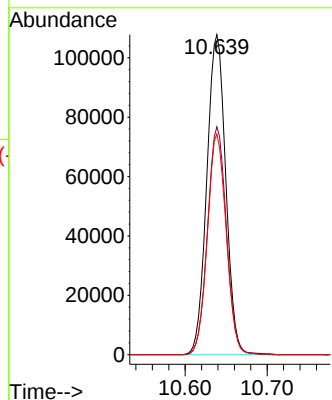
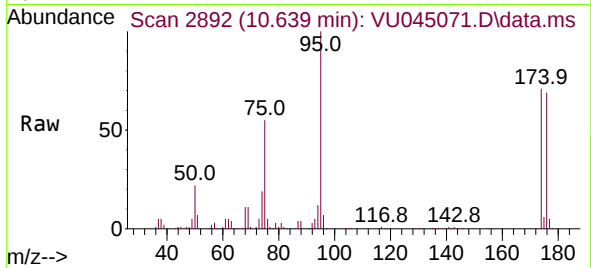




#62
4-Bromofluorobenzene
Concen: 45.153 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.004 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

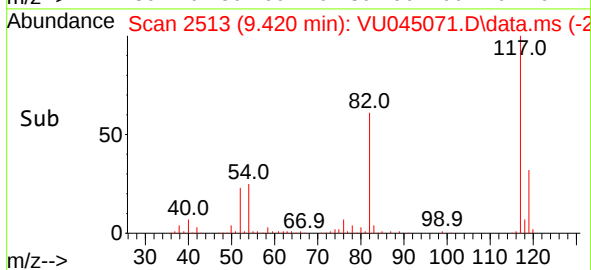
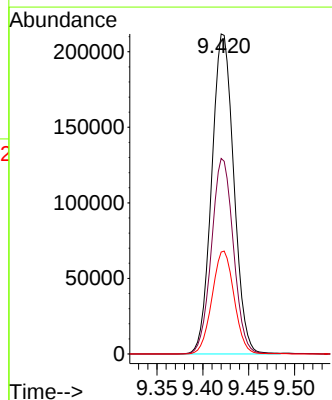
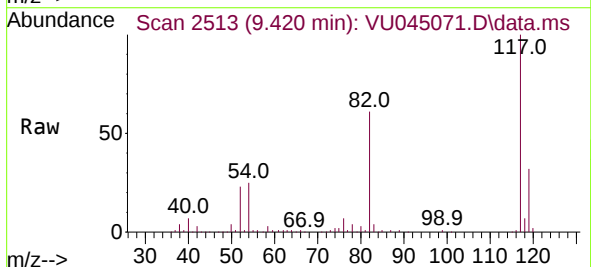
Instrument :
MSVOA_U
ClientSampleId :

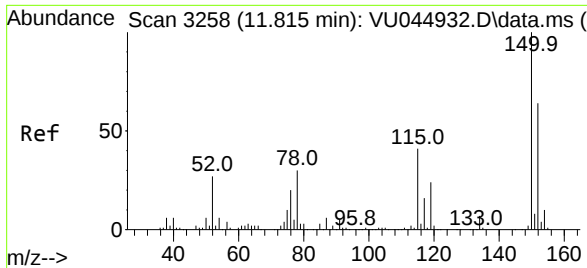
Tgt Ion: 95 Resp: 172913
Ion Ratio Lower Upper
95 100
174 70.9 0.0 146.6
176 68.5 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045071.D
Acq: 01 Oct 2021 14:29

Tgt Ion: 117 Resp: 354929
Ion Ratio Lower Upper
117 100
82 61.1 47.8 71.8
119 31.8 25.8 38.6

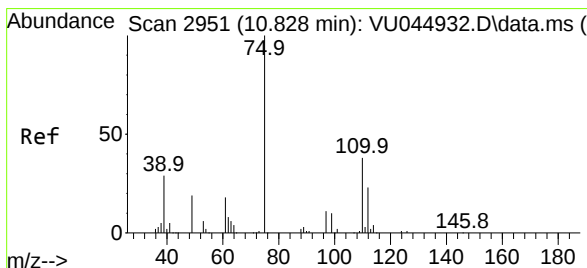
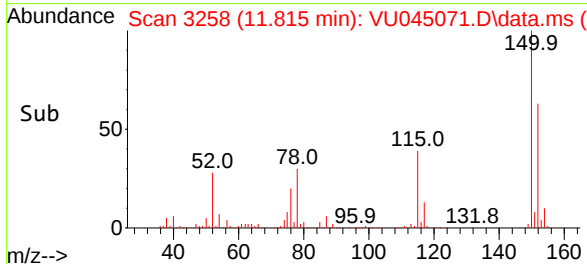
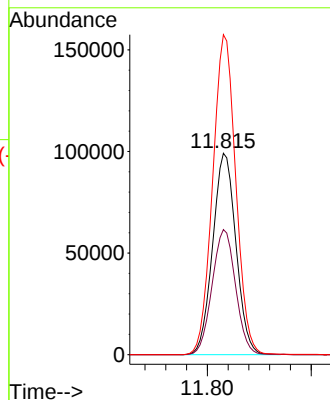
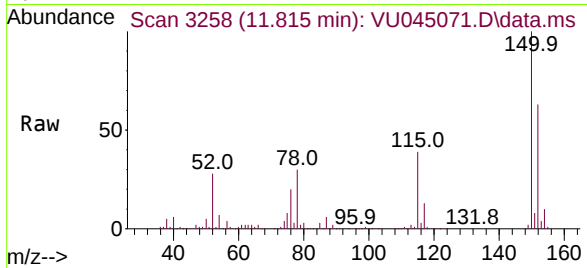




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.815 min Scan# 3258
 Delta R.T. 0.000 min
 Lab File: VU045071.D
 Acq: 01 Oct 2021 14:29

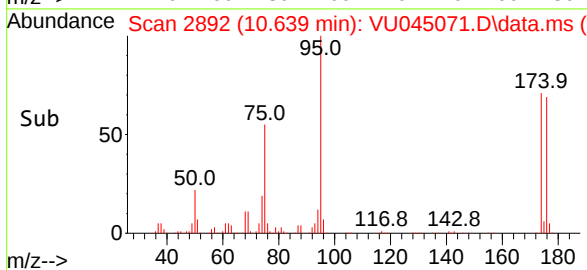
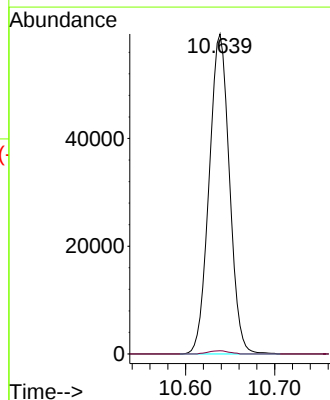
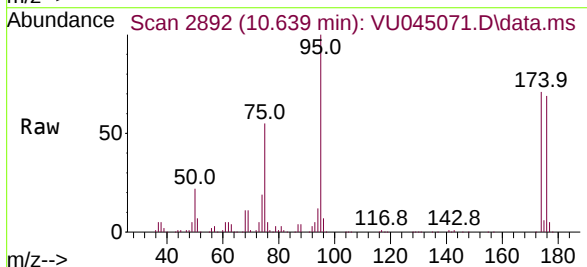
Instrument :
 MSVOA_U
 ClientSampleId :

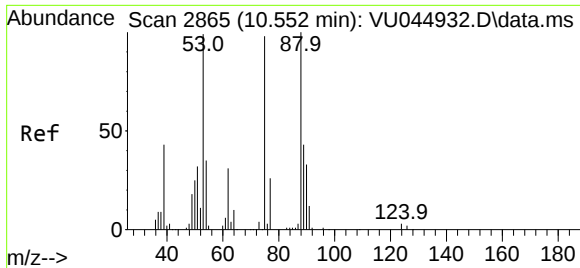
Tgt Ion:152 Resp: 154125
 Ion Ratio Lower Upper
 152 100
 115 62.6 43.5 130.7
 150 157.8 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 20.888 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.189 min
 Lab File: VU045071.D
 Acq: 01 Oct 2021 14:29

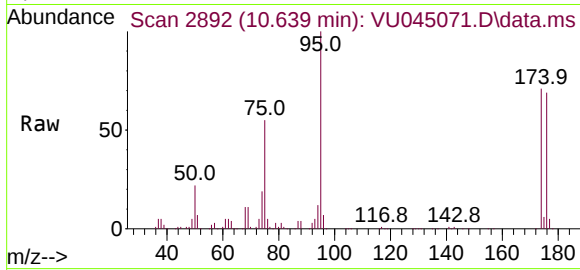
Tgt Ion: 75 Resp: 93904
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.9 53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.968 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.087 min
 Lab File: VU045071.D
 Acq: 01 Oct 2021 14:29

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 93904
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

