

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102221\
 Data File : VU045371.D
 Acq On : 22 Oct 2021 17:46
 Operator : SY/MD
 Sample : PB140120TB
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 01:13:56 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)

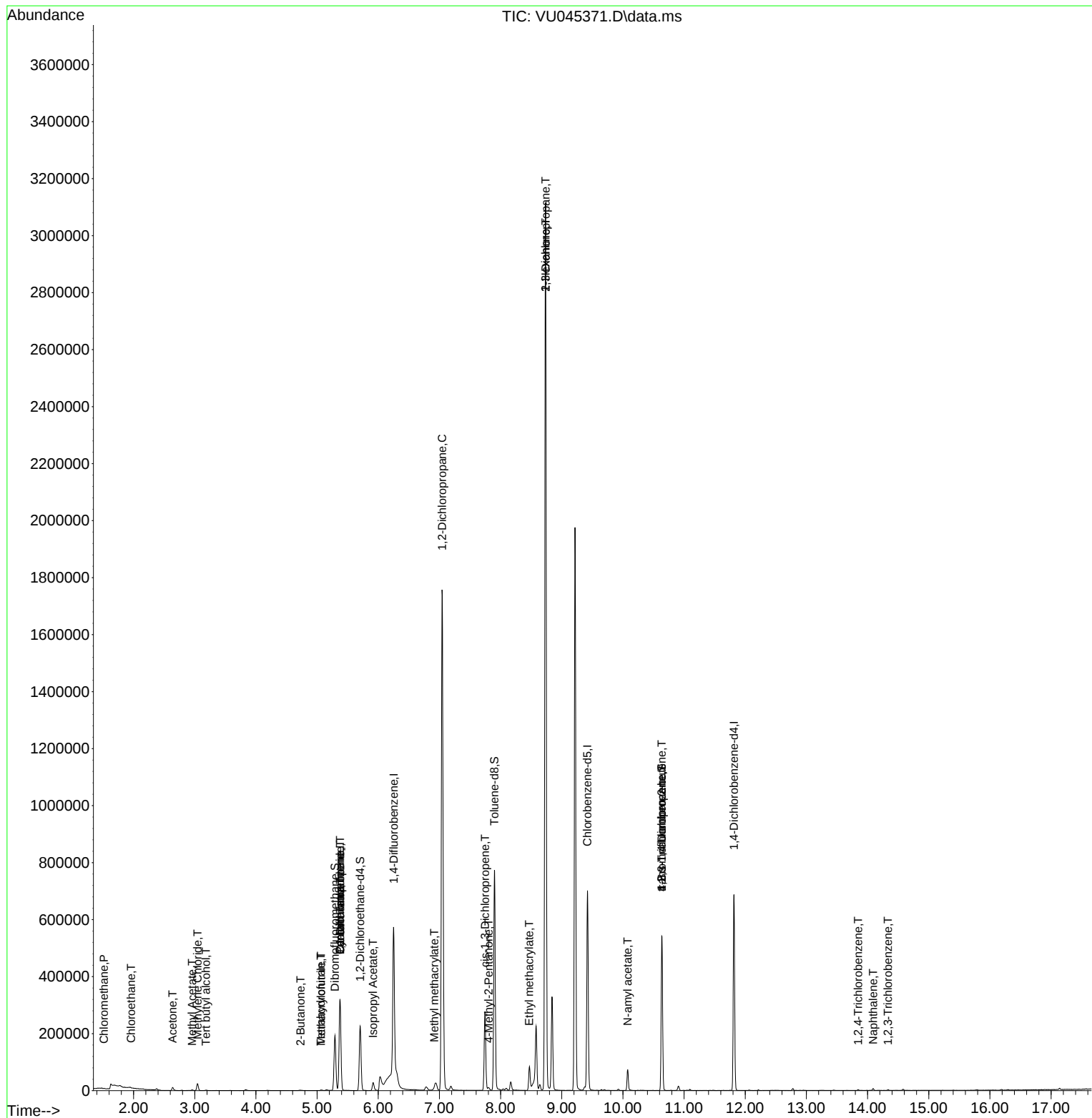
Internal Standards						
1) Pentafluorobenzene	5.375	168	213075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	402117	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	372809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	168624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	170259	48.002	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.000%
35) Dibromofluoromethane	5.292	113	123647	48.743	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.480%
50) Toluene-d8	7.899	98	500587	49.944	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.880%
62) 4-Bromofluorobenzene	10.635	95	186564	45.086	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.180%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	891	0.261	ug/l	98
6) Chloroethane	1.960	64	2194	0.837	ug/l #	51
11) Tert butyl alcohol	3.182	59	1197	1.176	ug/l #	72
16) Acetone	2.639	43	14360	6.821	ug/l	99
18) Methyl Acetate	2.957	43	3547	0.576	ug/l	92
20) Methylene Chloride	3.044	84	11225	3.540	ug/l	96
25) 2-Butanone	4.729	43	3389	1.133	ug/l	99
29) Tetrahydrofuran	5.063	42	1560	0.876	ug/l #	76
31) Cyclohexane	5.375	56	5568	1.033	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	20242	4.814	ug/l #	50
38) Carbon Tetrachloride	5.375	117	21967	6.037	ug/l #	16
41) Methacrylonitrile	5.066	41	754	0.263	ug/l #	45
43) Isopropyl Acetate	5.915	43	32164	3.842	ug/l	99
45) 1,2-Dichloropropane	7.047	63	2398	0.722	ug/l #	45
48) Methyl methacrylate	6.915	41	9570	2.349	ug/l #	14
49) 1,4-Dioxane	7.047	88	239	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.806	43	6576	1.079	ug/l	94
54) cis-1,3-Dichloropropene	7.745	75	54885	10.609	ug/l #	57
56) Ethyl methacrylate	8.465	69	174	1.847	ug/l #	1
57) 1,3-Dichloropropane	8.735	76	33491	5.746	ug/l #	43
59) 2-Hexanone	8.735	43	454040	91.494	ug/l #	50
74) N-amyl acetate	10.076	43	21198	3.353	ug/l #	51
76) 1,2,3-Trichloropropane	10.635	75	97965	19.918	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	97965	55.275	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.844	180	908	0.274	ug/l	94
95) Naphthalene	14.092	128	5847	0.470	ug/l	97
96) 1,2,3-Trichlorobenzene	14.333	180	970	0.292	ug/l	96

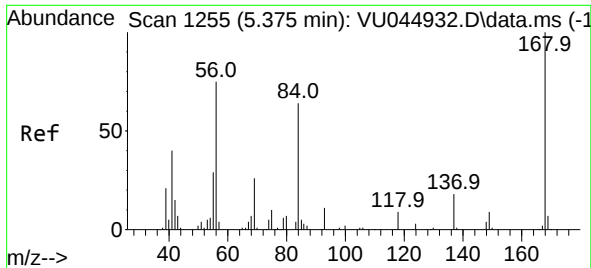
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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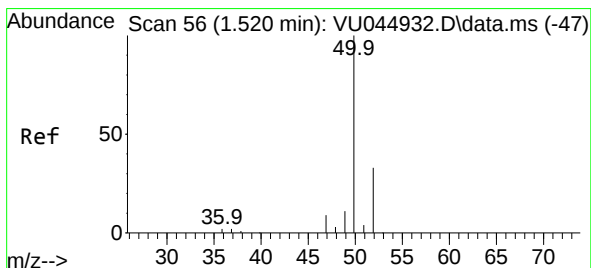
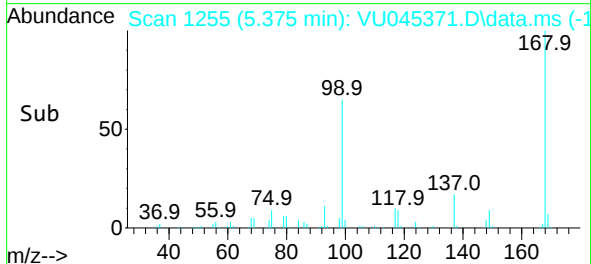
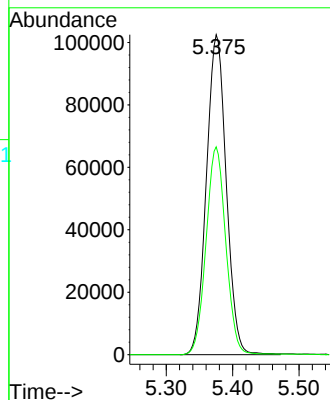
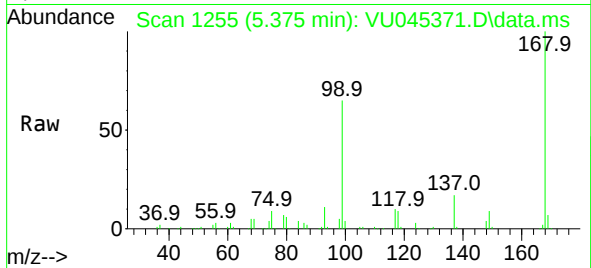




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

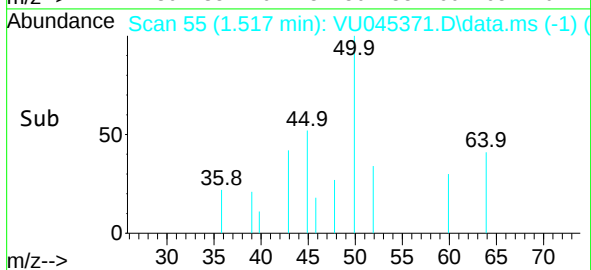
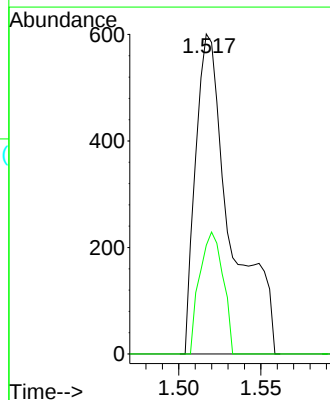
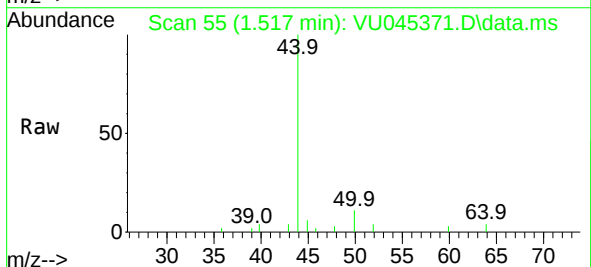
Instrument :
MSVOA_U
ClientSampleId :

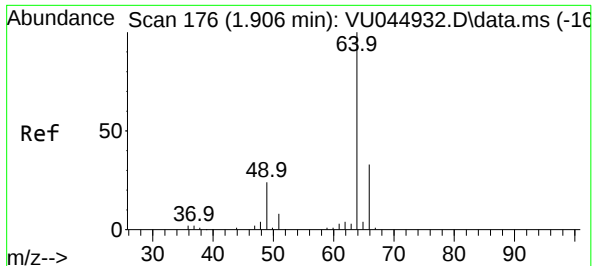
Tgt Ion:168 Resp: 213075
Ion Ratio Lower Upper
168 100
99 64.9 51.4 77.0



#3
Chloromethane
Concen: 0.261 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

Tgt Ion: 50 Resp: 891
Ion Ratio Lower Upper
50 100
52 33.9 26.3 39.5

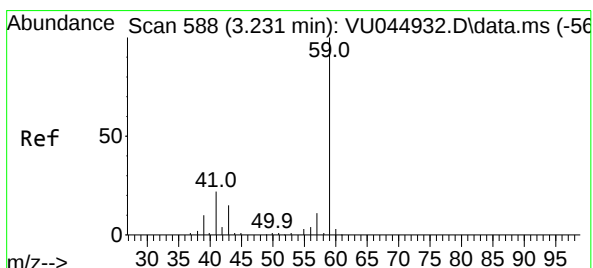
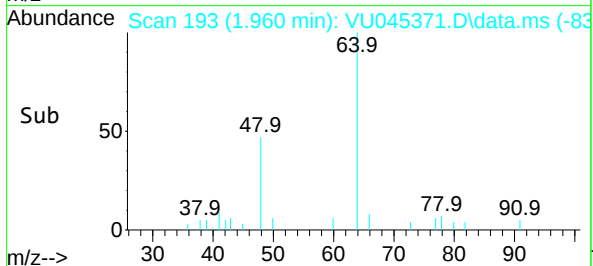
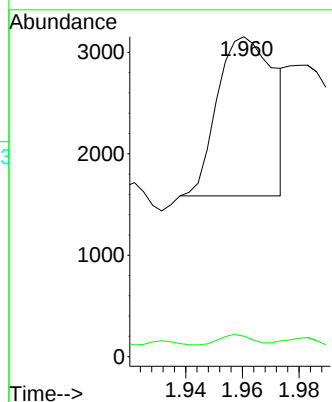
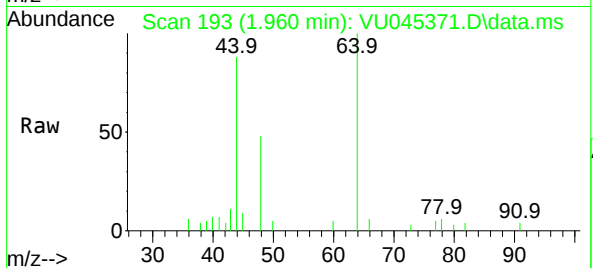




#6
Chloroethane
Concen: 0.837 ug/l
RT: 1.960 min Scan# 193
Delta R.T. 0.054 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

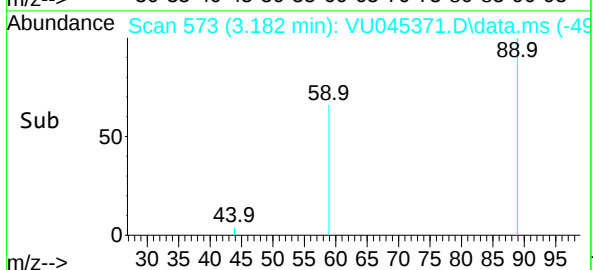
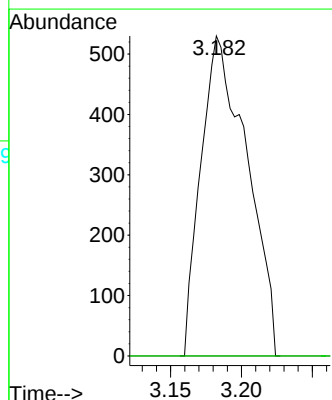
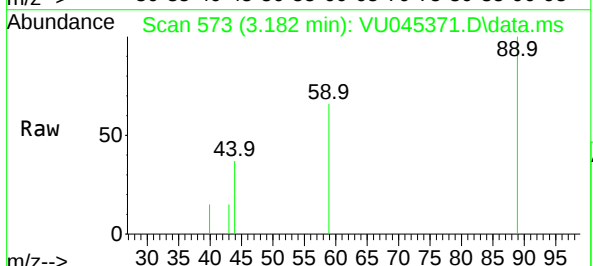
Instrument :
MSVOA_U
ClientSampled :

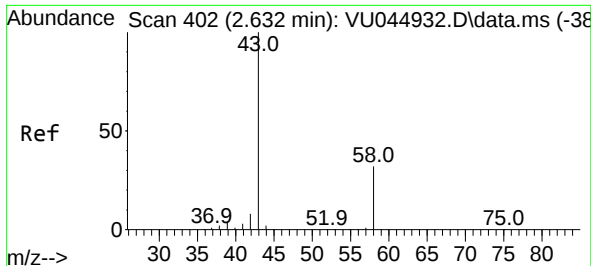
Tgt Ion: 64 Resp: 2194
Ion Ratio Lower Upper
64 100
66 4.6 25.8 38.8#



#11
Tert butyl alcohol
Concen: 1.176 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.049 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

Tgt Ion: 59 Resp: 1197
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

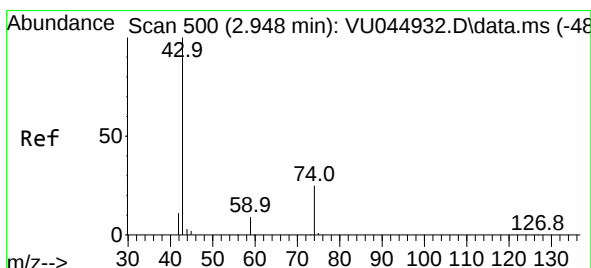
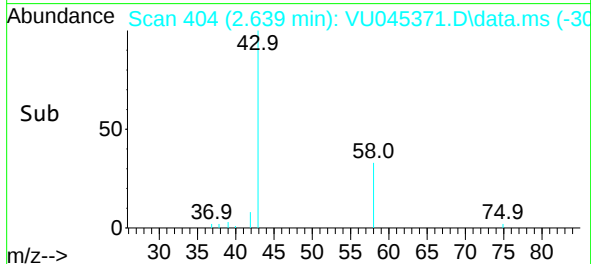
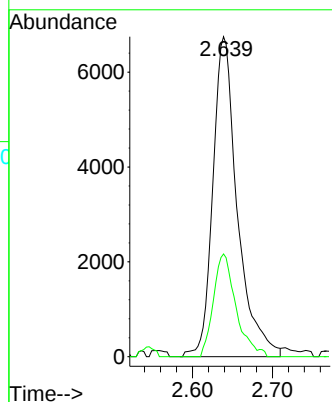
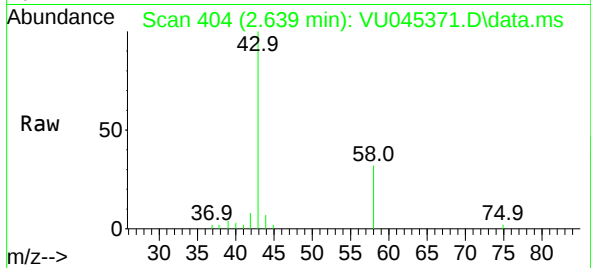




#16
Acetone
Concen: 6.821 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.007 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

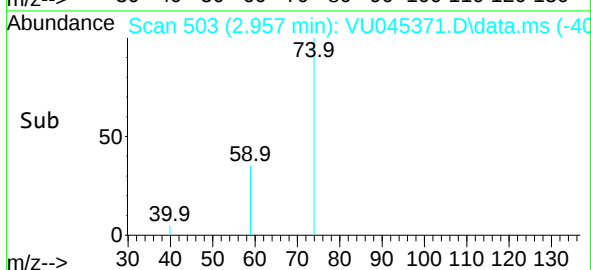
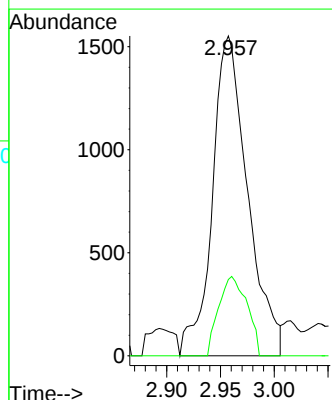
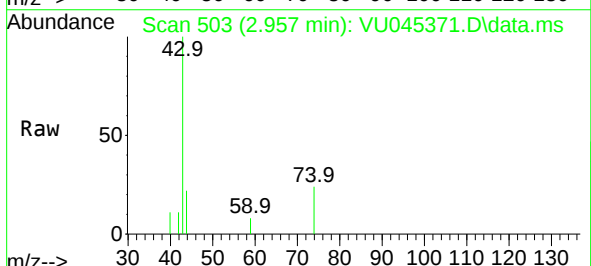
Instrument :
MSVOA_U
ClientSampled :

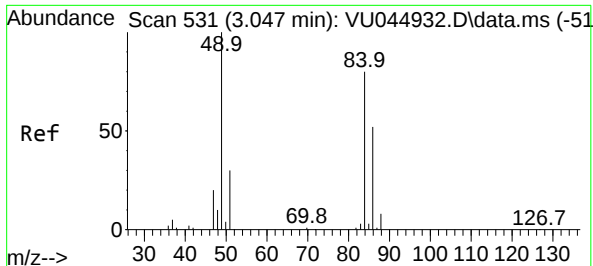
Tgt Ion: 43 Resp: 14360
Ion Ratio Lower Upper
43 100
58 32.1 25.2 37.8



#18
Methyl Acetate
Concen: 0.576 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.009 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

Tgt Ion: 43 Resp: 3547
Ion Ratio Lower Upper
43 100
74 19.9 19.0 28.6

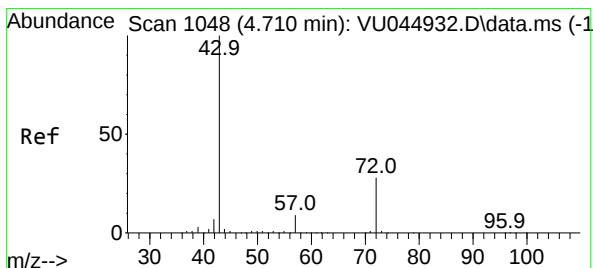
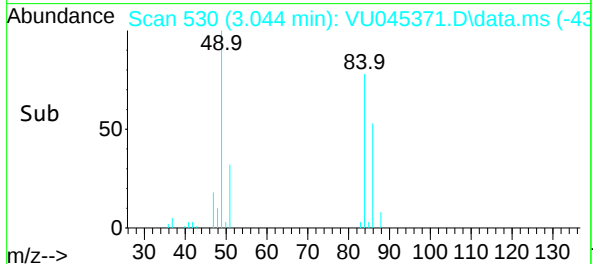
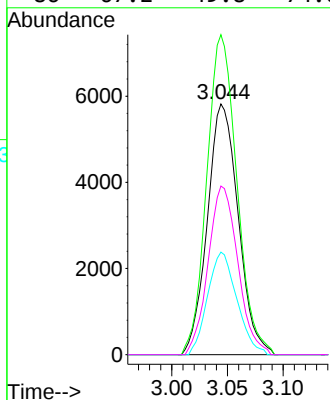
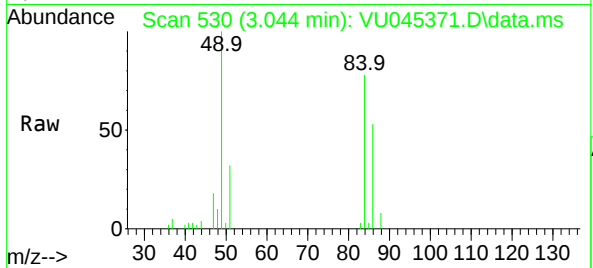




#20
Methylene Chloride
Concen: 3.540 ug/l
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

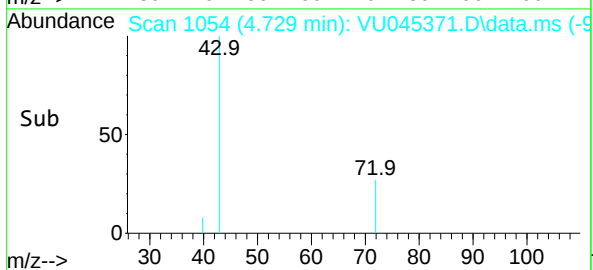
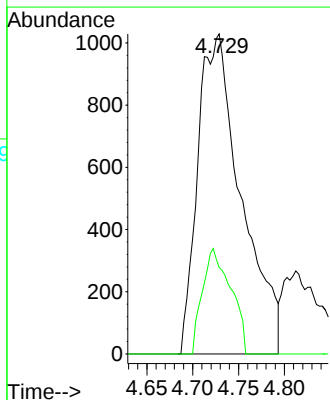
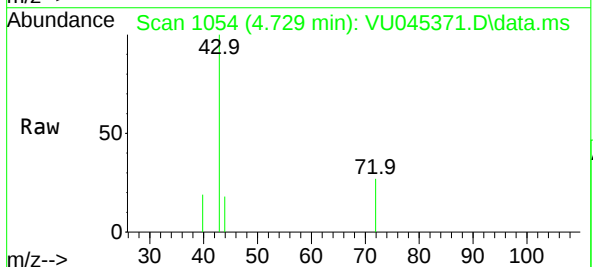
Instrument :
MSVOA_U
ClientSampleId :

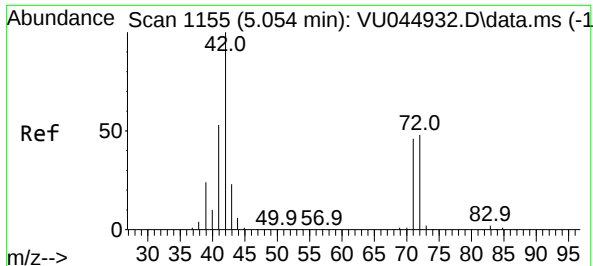
Tgt Ion:	84	Resp:	11225
Ion	Ratio	Lower	Upper
84	100		
49	127.6	104.9	157.3
51	40.9	31.8	47.8
86	67.2	49.8	74.6



#25
2-Butanone
Concen: 1.133 ug/l
RT: 4.729 min Scan# 1054
Delta R.T. 0.019 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

Tgt Ion:	43	Resp:	3389
Ion	Ratio	Lower	Upper
43	100		
72	27.0	21.3	31.9





#29

Tetrahydrofuran

Concen: 0.876 ug/l

RT: 5.063 min Scan# 1158

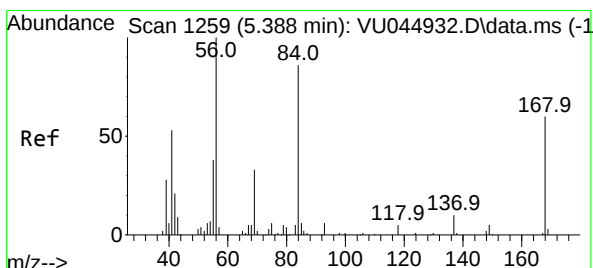
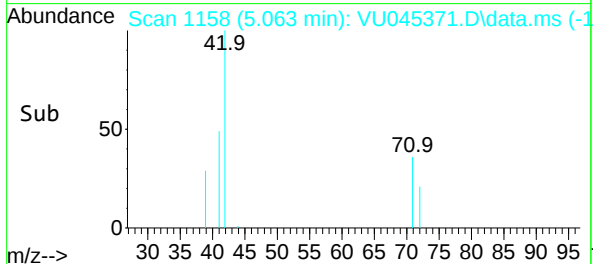
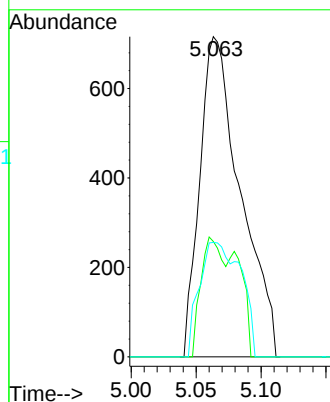
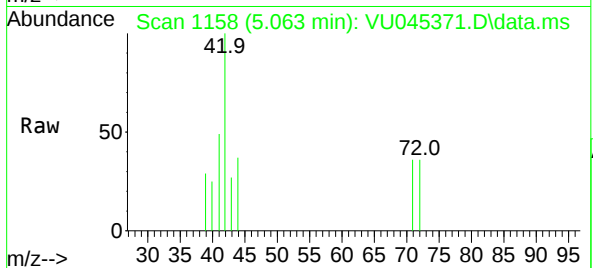
Delta R.T. 0.009 min

Lab File: VU045371.D

Acq: 22 Oct 2021 17:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 42	Resp: 1560
Ion Ratio	Lower Upper
42	100
72	21.0 36.2 54.4#
71	36.5 34.1 51.1



#31

Cyclohexane

Concen: 1.033 ug/l

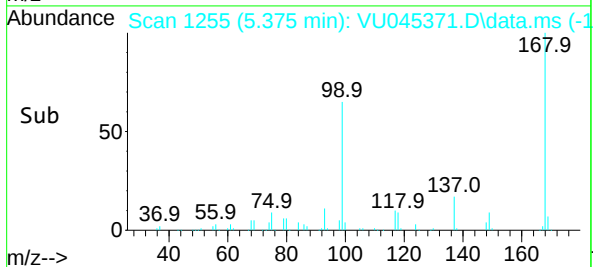
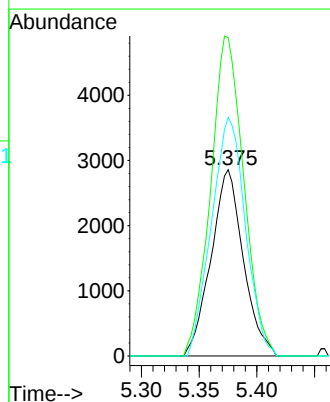
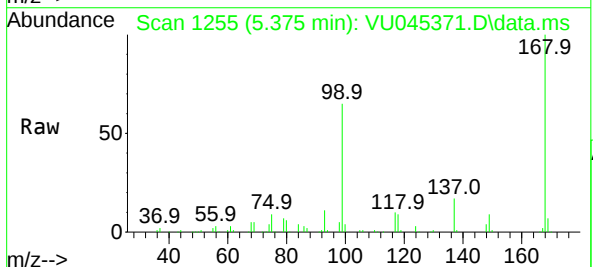
RT: 5.375 min Scan# 1255

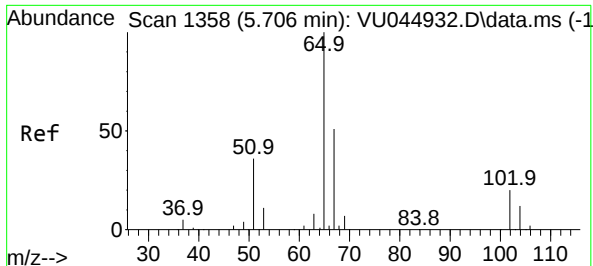
Delta R.T. -0.013 min

Lab File: VU045371.D

Acq: 22 Oct 2021 17:46

Tgt Ion: 56	Resp: 5568
Ion Ratio	Lower Upper
56	100
69	170.9 25.2 37.8#
84	128.1 66.4 99.6#



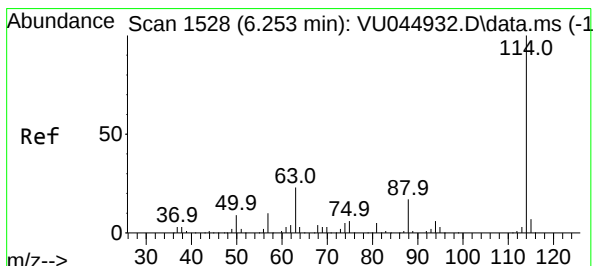
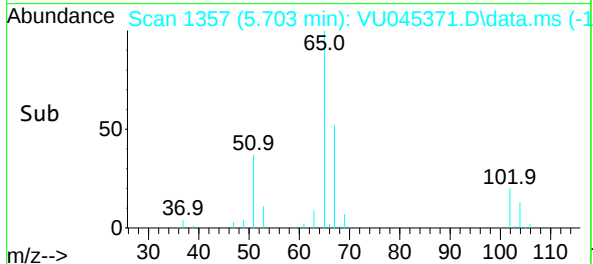
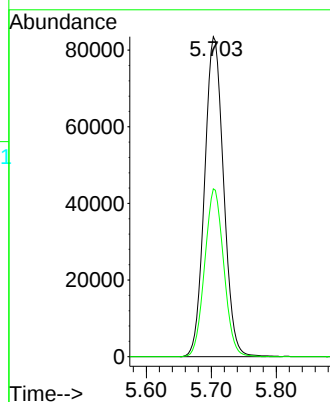
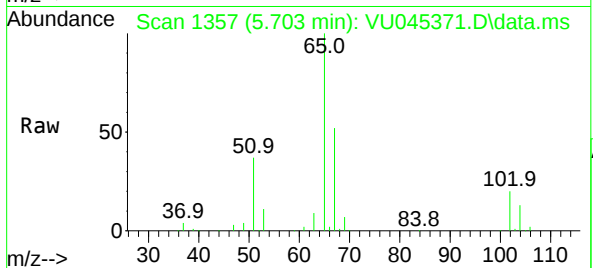


#33

1,2-Dichloroethane-d4
Concen: 48.002 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

Instrument :
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ClientSampled :

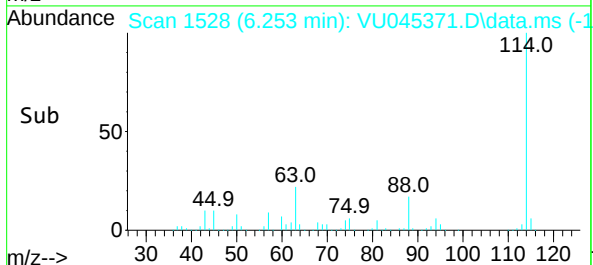
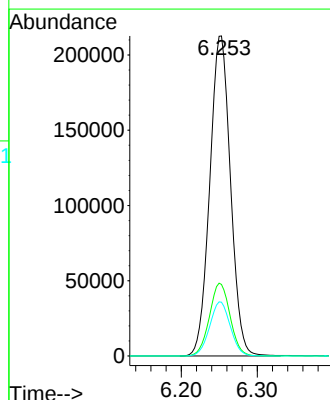
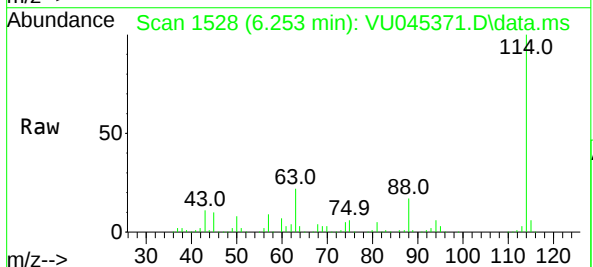
Tgt Ion: 65 Resp: 170259
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.8

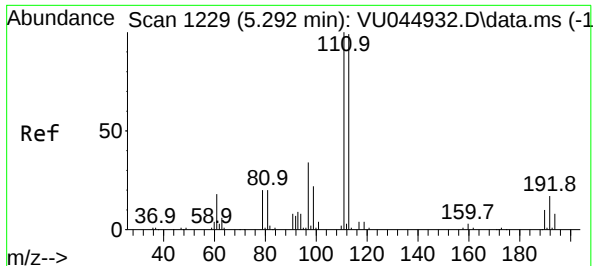


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

Tgt Ion: 114 Resp: 402117
Ion Ratio Lower Upper
114 100
63 22.4 0.0 47.8
88 16.8 0.0 32.8



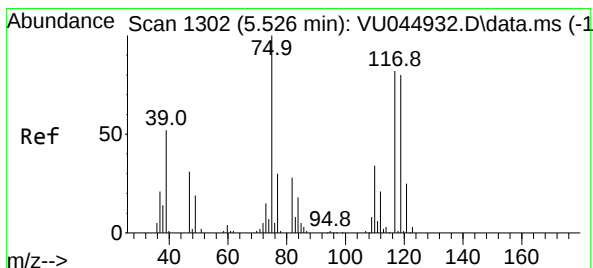
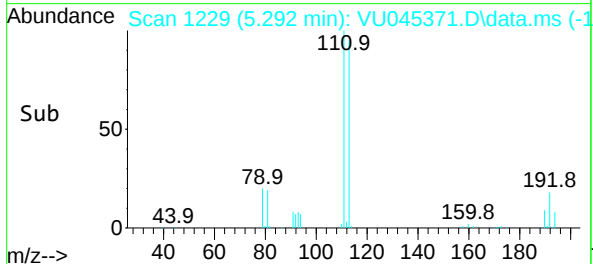
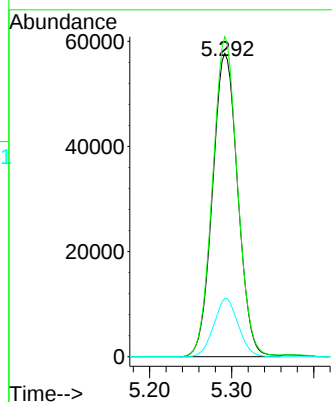
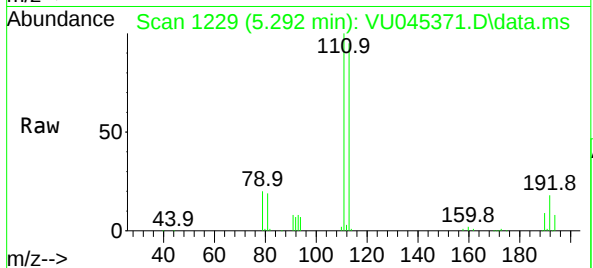


#35

Dibromofluoromethane
Concen: 48.743 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

Instrument :
MSVOA_U
ClientSampleId :

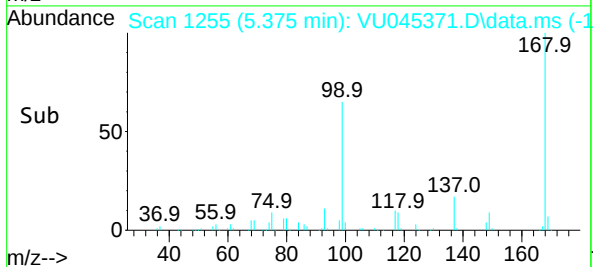
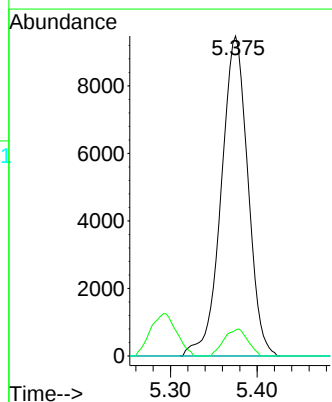
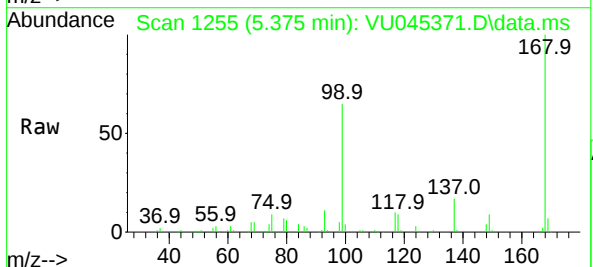
Tgt Ion:113 Resp: 123647
Ion Ratio Lower Upper
113 100
111 103.7 84.1 126.1
192 18.5 14.8 22.2

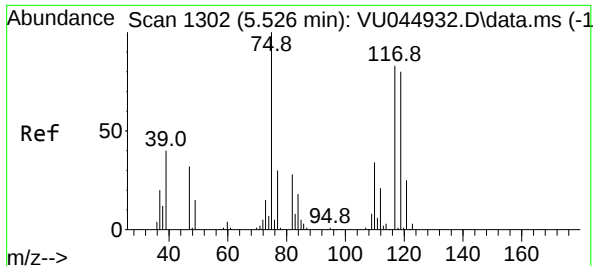


#36

1,1-Dichloropropene
Concen: 4.814 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

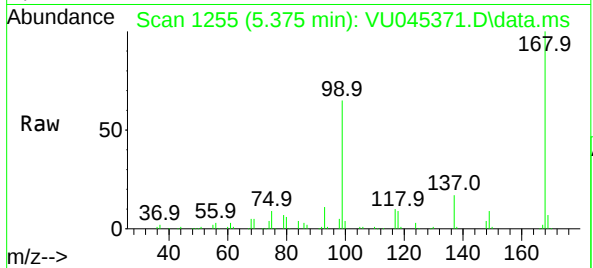
Tgt Ion: 75 Resp: 20242
Ion Ratio Lower Upper
75 100
110 7.5 16.3 48.9#
77 0.0 25.0 37.4#



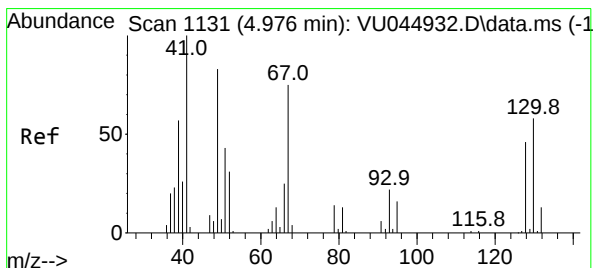
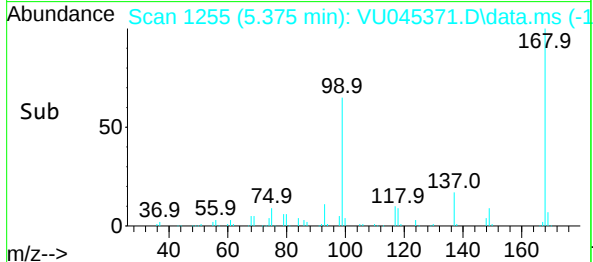
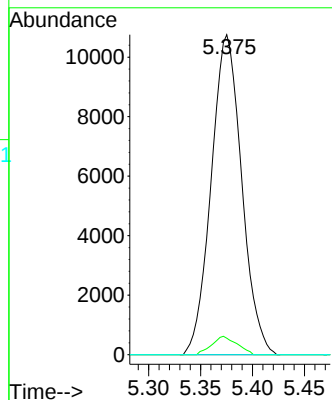


#38
Carbon Tetrachloride
Concen: 6.037 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

Instrument :
MSVOA_U
ClientSampleId :

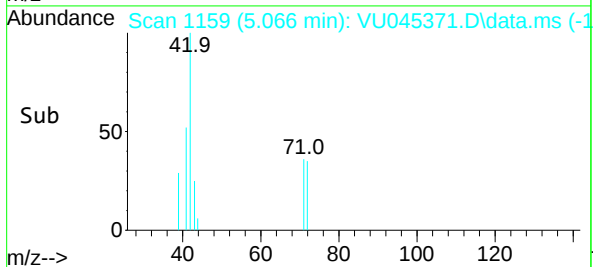
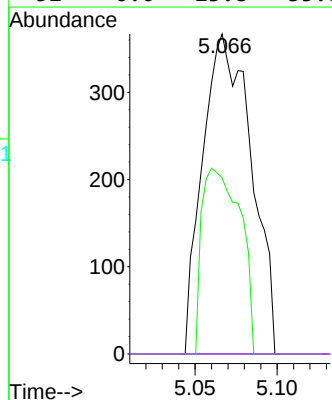
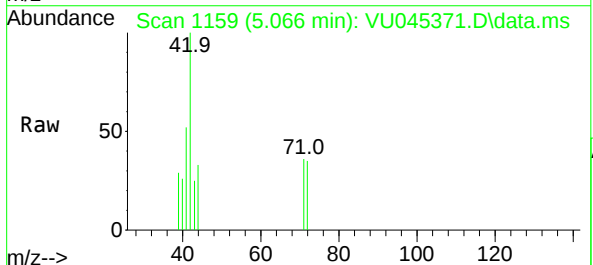


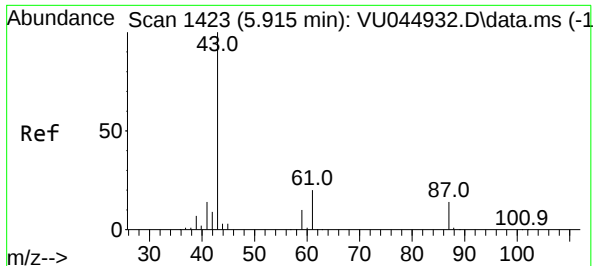
Tgt Ion:117 Resp: 21967
Ion Ratio Lower Upper
117 100
119 5.1 77.4 116.2#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.263 ug/l
RT: 5.066 min Scan# 1159
Delta R.T. 0.090 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

Tgt Ion: 41 Resp: 754
Ion Ratio Lower Upper
41 100
39 45.9 44.4 66.6
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#



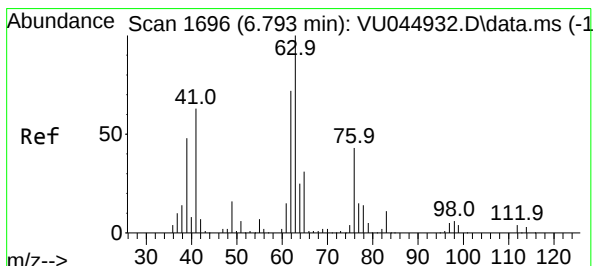
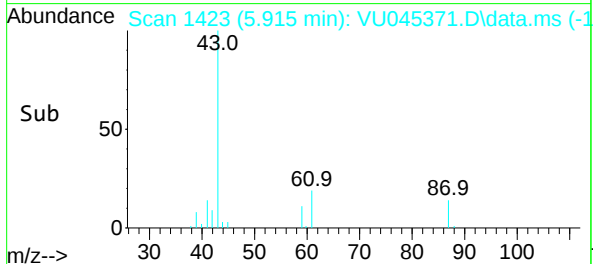
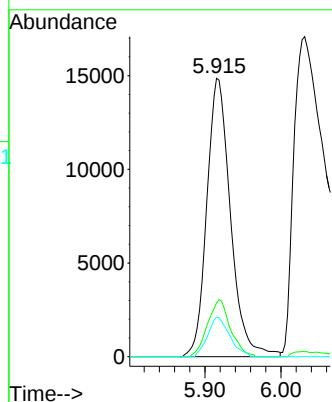
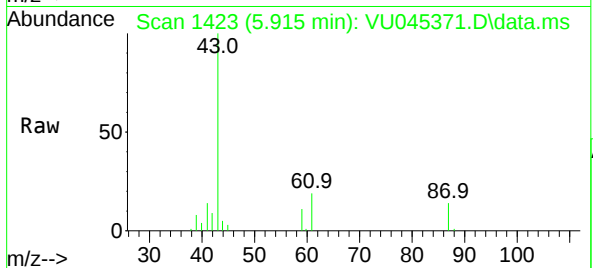


#43

Isopropyl Acetate
Concen: 3.842 ug/l
RT: 5.915 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

Instrument :
MSVOA_U
ClientSampleId :

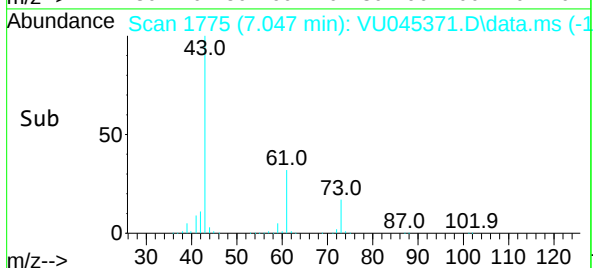
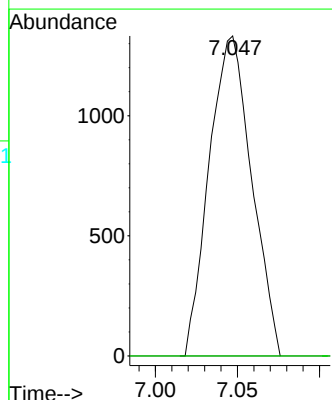
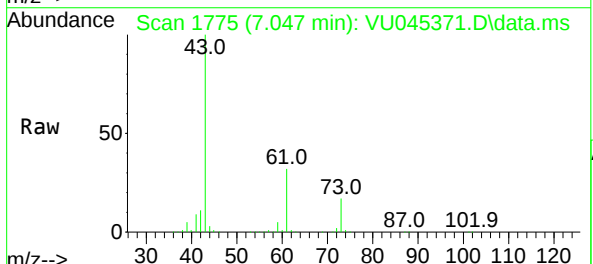
Tgt Ion:	43	Resp:	32164
Ion	Ratio	Lower	Upper
43	100		
61	19.7	16.1	24.1
87	13.1	10.3	15.5

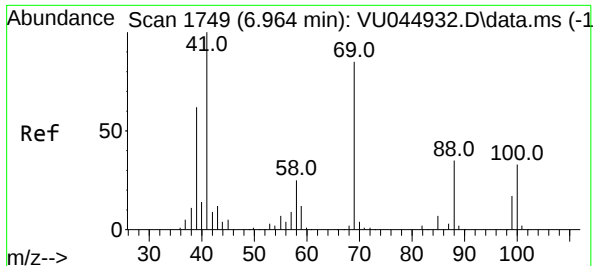


#45

1,2-Dichloropropane
Concen: 0.722 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.254 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

Tgt Ion:	63	Resp:	2398
Ion	Ratio	Lower	Upper
63	100		
65	0.0	23.9	35.9#





#48

Methyl methacrylate

Concen: 2.349 ug/l

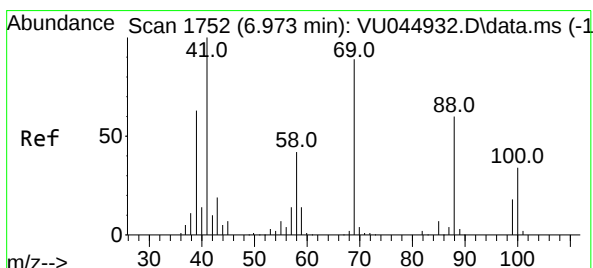
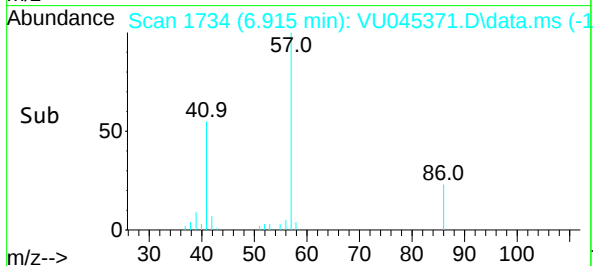
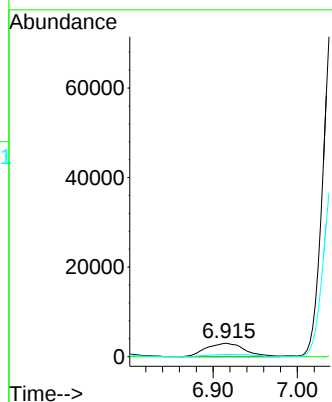
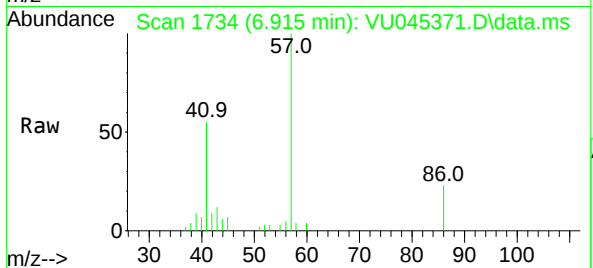
RT: 6.915 min Scan# 1734

Delta R.T. -0.049 min

Lab File: VU045371.D

Acq: 22 Oct 2021 17:46

Tgt Ion:	41	Resp:	9570
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

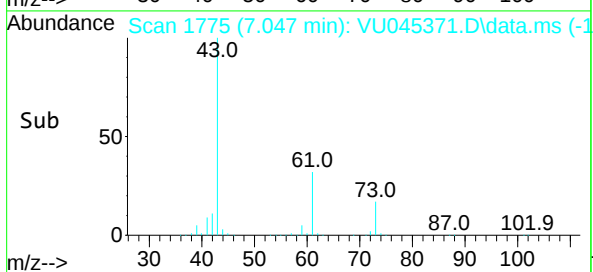
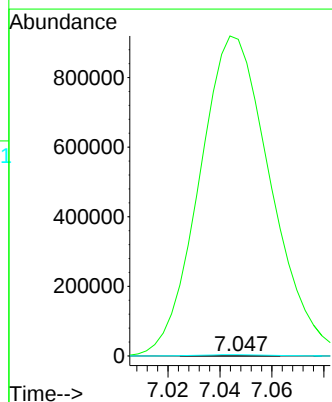
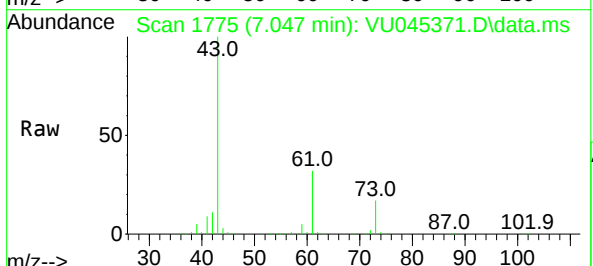
RT: 7.047 min Scan# 1775

Delta R.T. 0.074 min

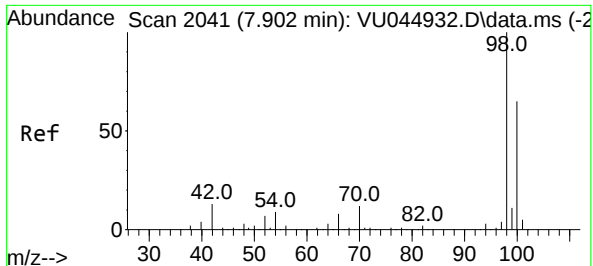
Lab File: VU045371.D

Acq: 22 Oct 2021 17:46

Tgt Ion:	88	Resp:	239
Ion	Ratio	Lower	Upper
88	100		
43	741065.7	25.8	38.6#
58	3000.0	61.3	91.9#



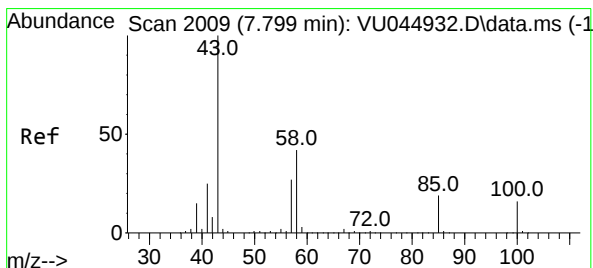
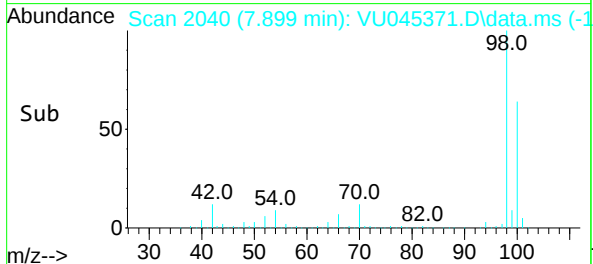
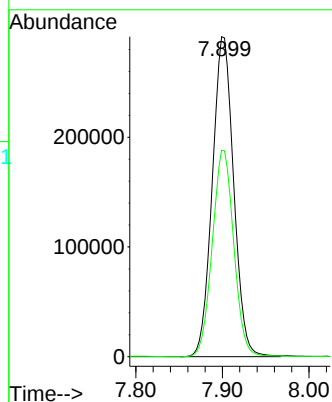
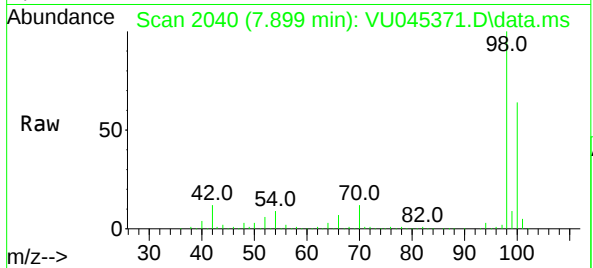
Instrument :
MSVOA_U
ClientSampleId :



#50
Toluene-d8
Concen: 49.944 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

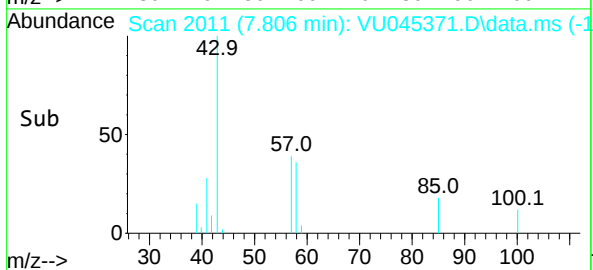
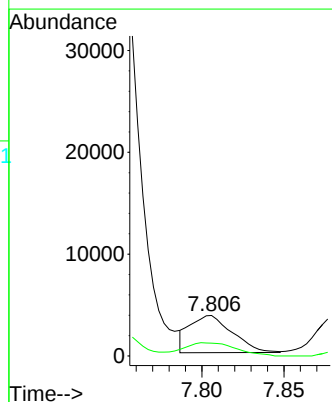
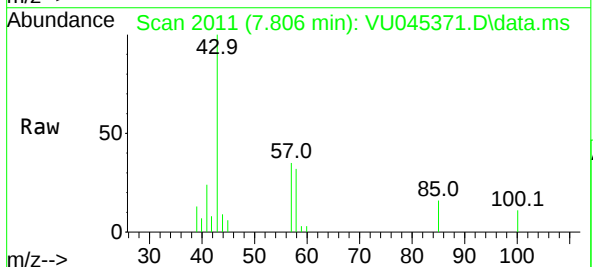
Instrument :
MSVOA_U
ClientSampled :

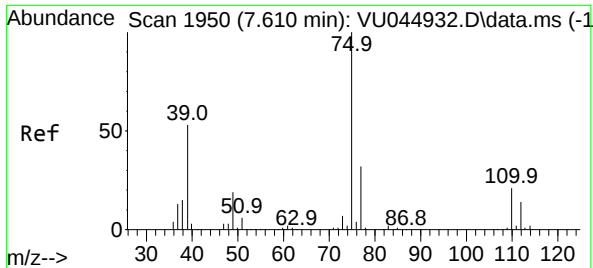
Tgt Ion: 98 Resp: 500587
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.079 ug/l
RT: 7.806 min Scan# 2011
Delta R.T. 0.007 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

Tgt Ion: 43 Resp: 6576
Ion Ratio Lower Upper
43 100
58 44.1 32.4 48.6

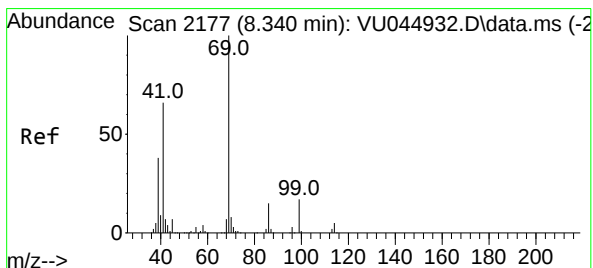
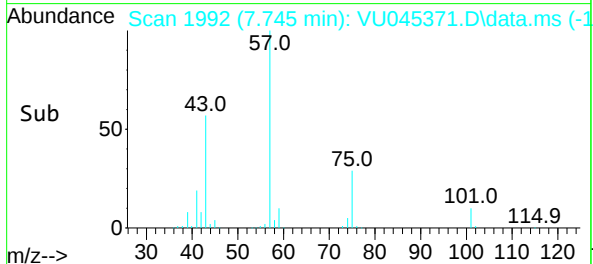
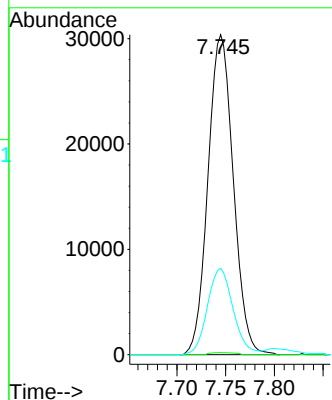
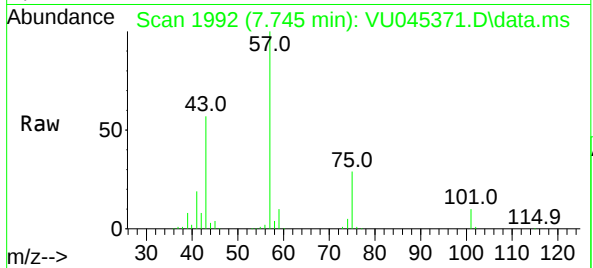




#54
 cis-1,3-Dichloropropene
 Concen: 10.609 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.135 min
 Lab File: VU045371.D
 Acq: 22 Oct 2021 17:46

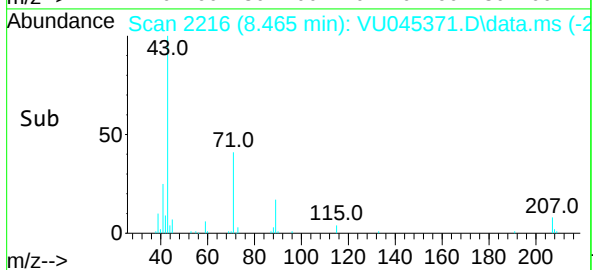
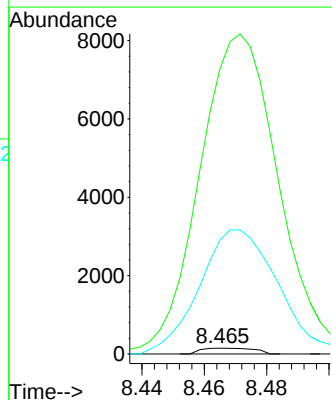
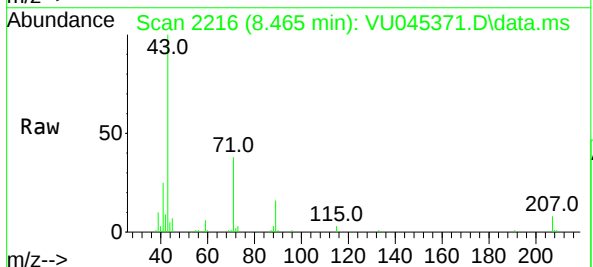
Instrument :
 MSVOA_U
 ClientSampled :

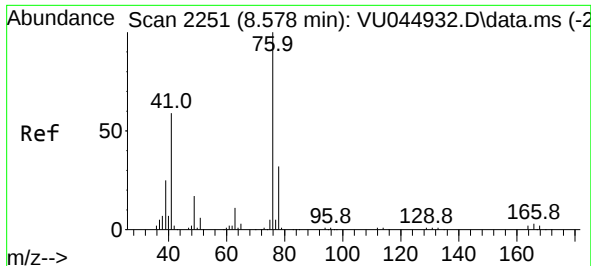
Tgt Ion: 75 Resp: 54885
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 27.0 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 1.847 ug/l
 RT: 8.465 min Scan# 2216
 Delta R.T. 0.125 min
 Lab File: VU045371.D
 Acq: 22 Oct 2021 17:46

Tgt Ion: 69 Resp: 174
 Ion Ratio Lower Upper
 69 100
 41 8433.9 53.5 80.3#
 39 3234.5 31.1 46.7#



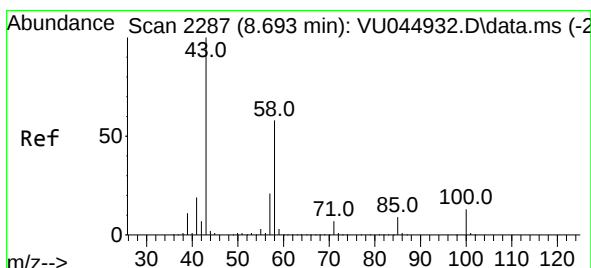
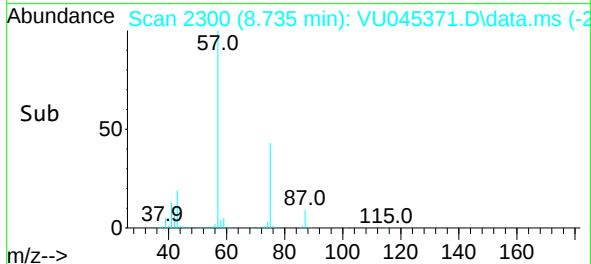
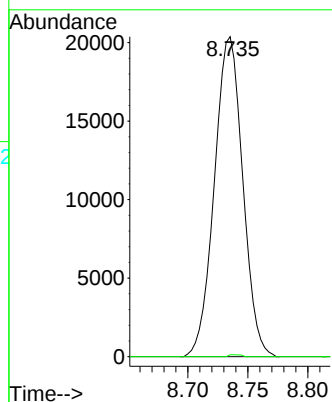
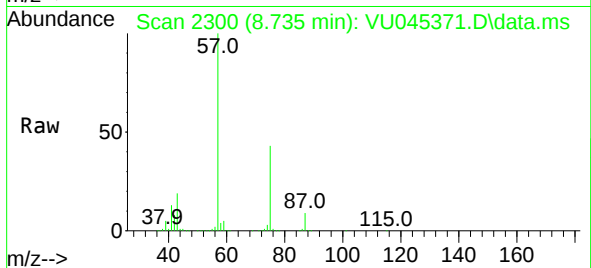


#57

1,3-Dichloropropane
Concen: 5.746 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.157 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

Instrument :
MSVOA_U
ClientSampled :

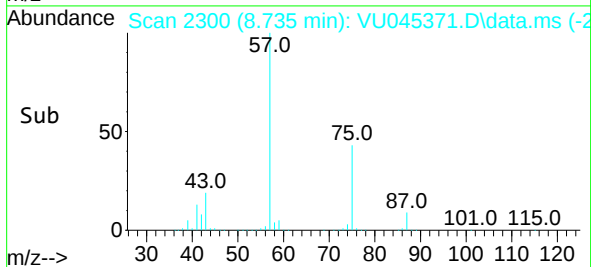
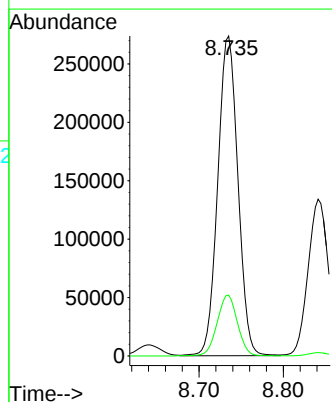
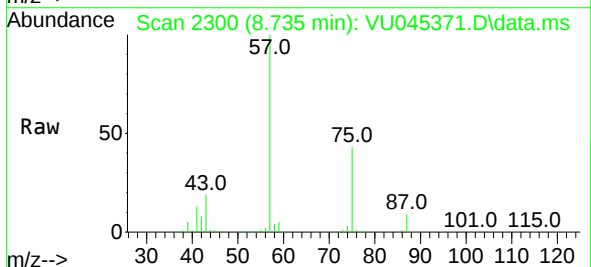
Tgt Ion: 76 Resp: 33491
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#

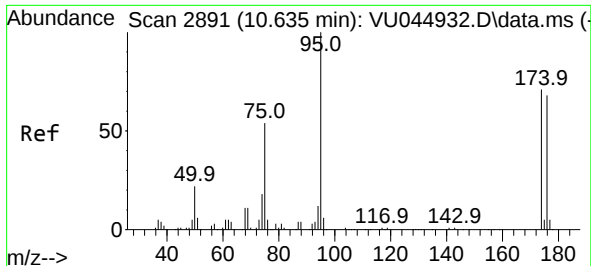


#59

2-Hexanone
Concen: 91.494 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.042 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

Tgt Ion: 43 Resp: 454040
Ion Ratio Lower Upper
43 100
58 19.3 28.0 84.0#

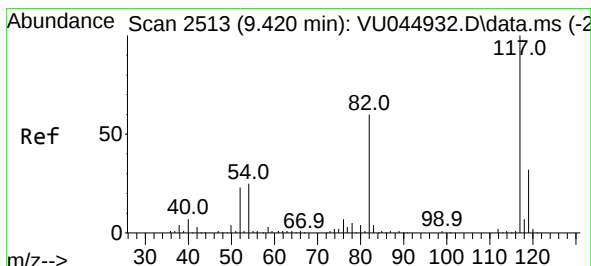
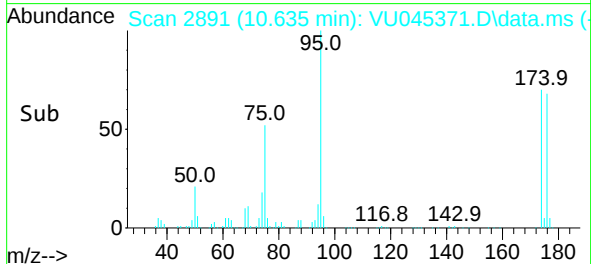
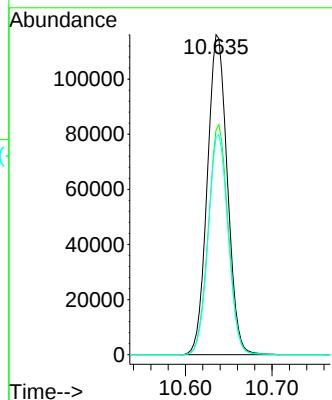
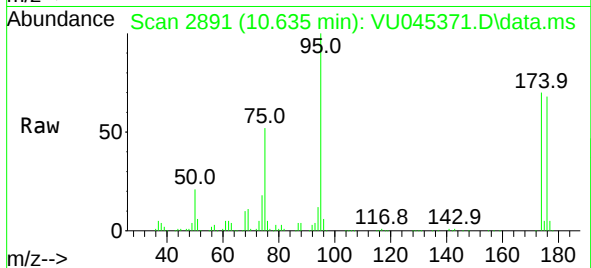




#62
4-Bromofluorobenzene
Concen: 45.086 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

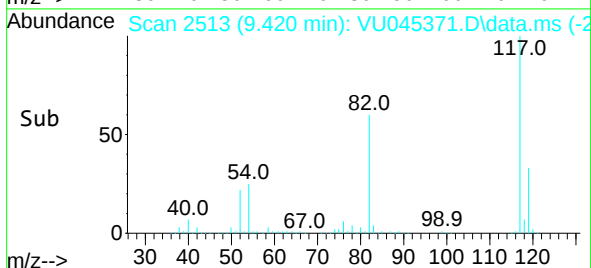
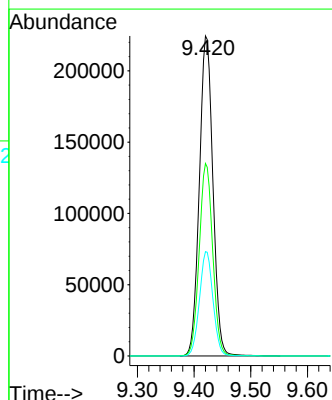
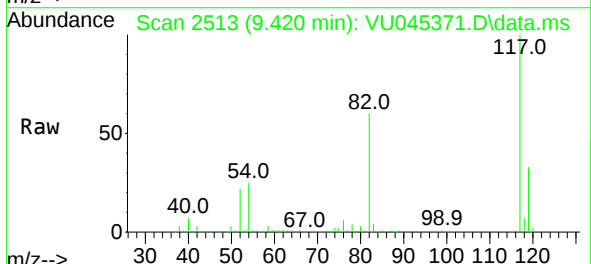
Instrument :
MSVOA_U
ClientSampled :

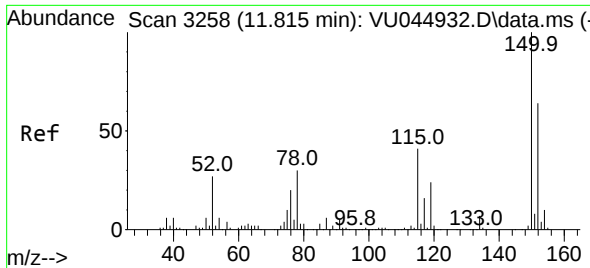
Tgt Ion: 95 Resp: 186564
Ion Ratio Lower Upper
95 100
174 71.5 0.0 146.6
176 68.6 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

Tgt Ion: 117 Resp: 372809
Ion Ratio Lower Upper
117 100
82 60.1 47.8 71.8
119 32.6 25.8 38.6

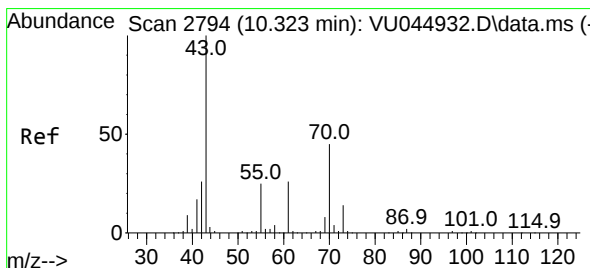
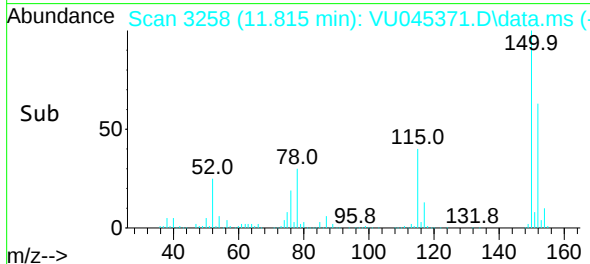
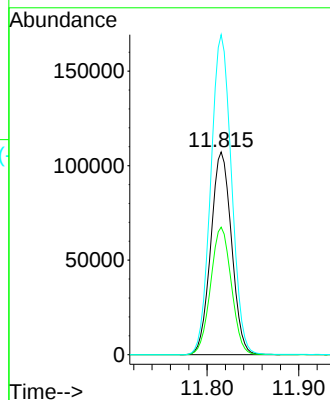
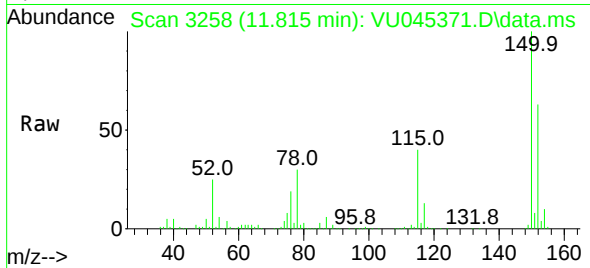




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

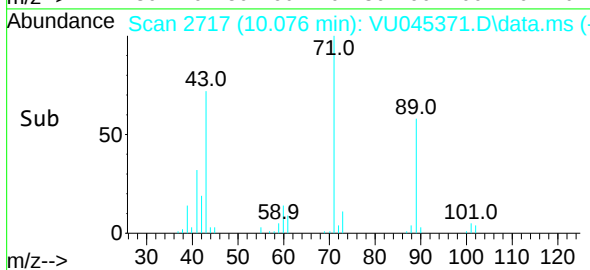
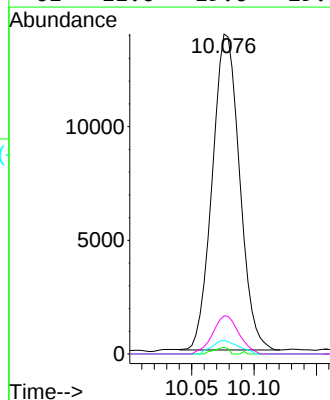
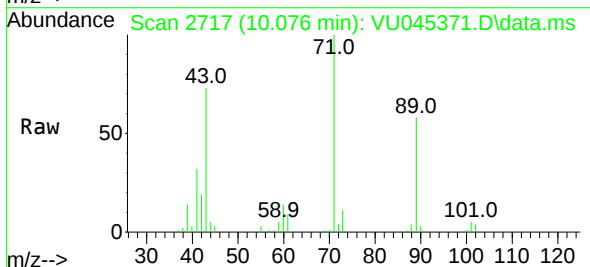
Instrument :
MSVOA_U
ClientSampled :

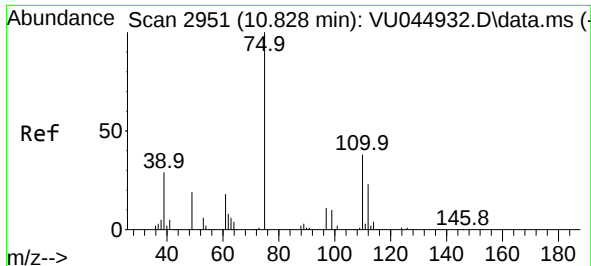
Tgt Ion:152 Resp: 168624
Ion Ratio Lower Upper
152 100
115 62.9 43.5 130.7
150 157.6 0.0 350.0



#74
N-ethyl acetate
Concen: 3.353 ug/l
RT: 10.076 min Scan# 2717
Delta R.T. -0.247 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

Tgt Ion: 43 Resp: 21198
Ion Ratio Lower Upper
43 100
70 1.1 35.1 52.7#
55 4.1 20.5 30.7#
61 11.6 19.6 29.4#

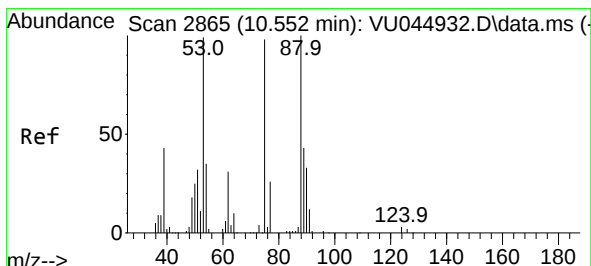
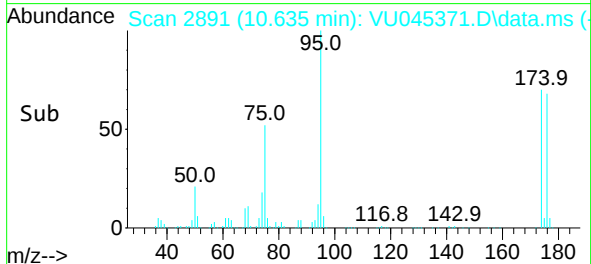
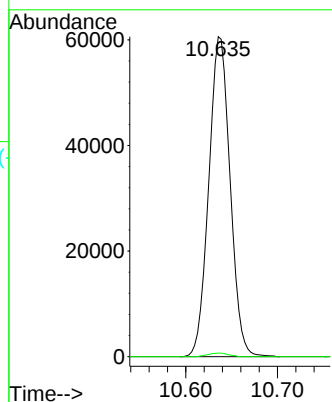
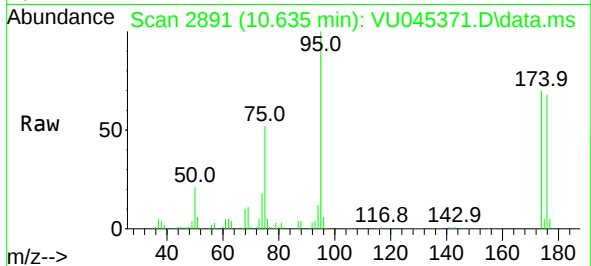




#76
1,2,3-Trichloropropane
Concen: 19.918 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

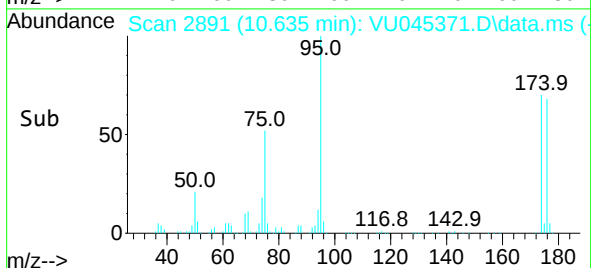
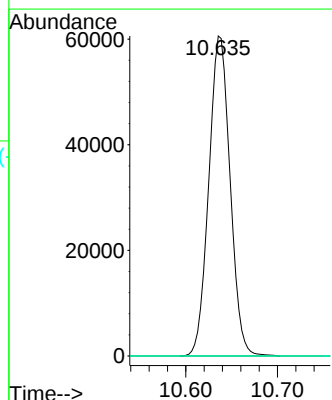
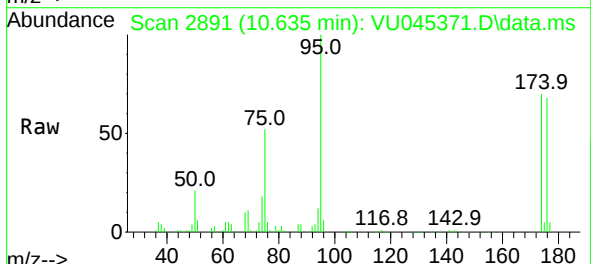
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MSVOA_U
ClientSampleId :

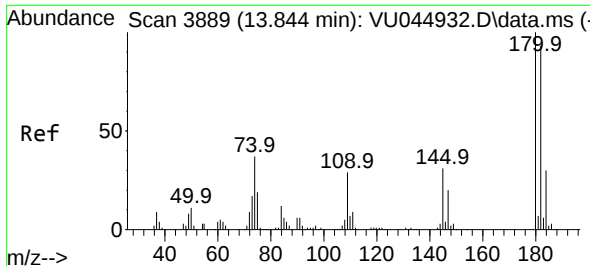
Tgt Ion: 75 Resp: 97965
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.275 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.083 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

Tgt Ion: 75 Resp: 97965
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

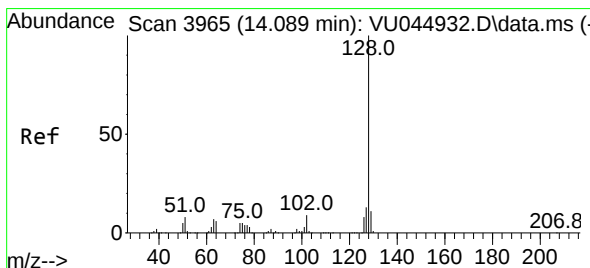
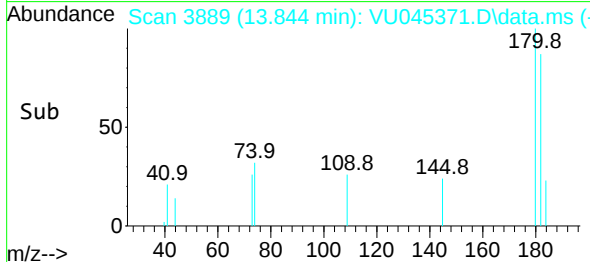
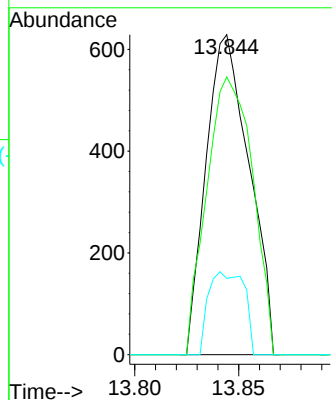
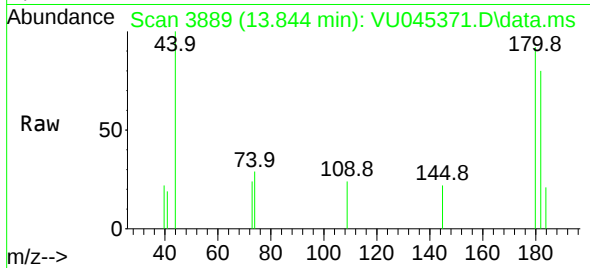




#93
1,2,4-Trichlorobenzene
Concen: 0.274 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.000 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

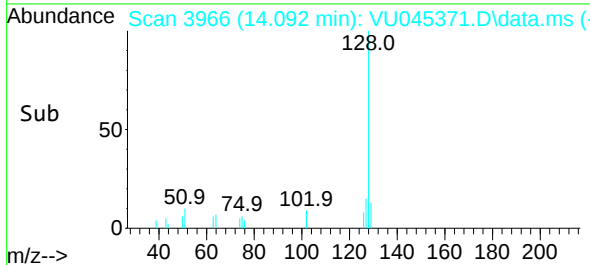
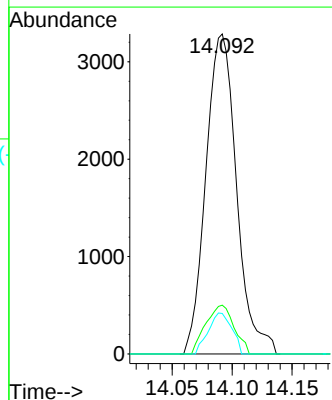
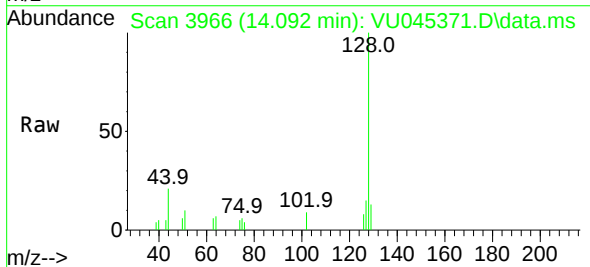
Instrument :
MSVOA_U
ClientSampleId :

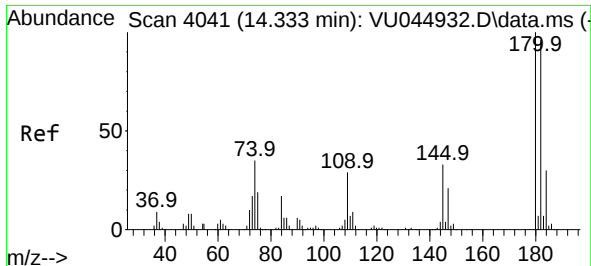
Tgt Ion:180 Resp: 908
Ion Ratio Lower Upper
180 100
182 92.4 47.4 142.3
145 21.4 15.4 46.2



#95
Naphthalene
Concen: 0.470 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045371.D
Acq: 22 Oct 2021 17:46

Tgt Ion:128 Resp: 5847
Ion Ratio Lower Upper
128 100
127 14.1 10.4 15.6
129 9.8 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.292 ug/l
 RT: 14.333 min Scan# 4041
 Delta R.T. -0.000 min
 Lab File: VU045371.D
 Acq: 22 Oct 2021 17:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:180 Resp: 970
 Ion Ratio Lower Upper
 180 100
 182 99.2 47.1 141.4
 145 32.4 16.4 49.2

