

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044129.D
 Acq On : 08 Jun 2021 21:38
 Operator : SY/MD
 Sample : M2612-40
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:16:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 08 17:38:51 2021
 Response via : Initial Calibration

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

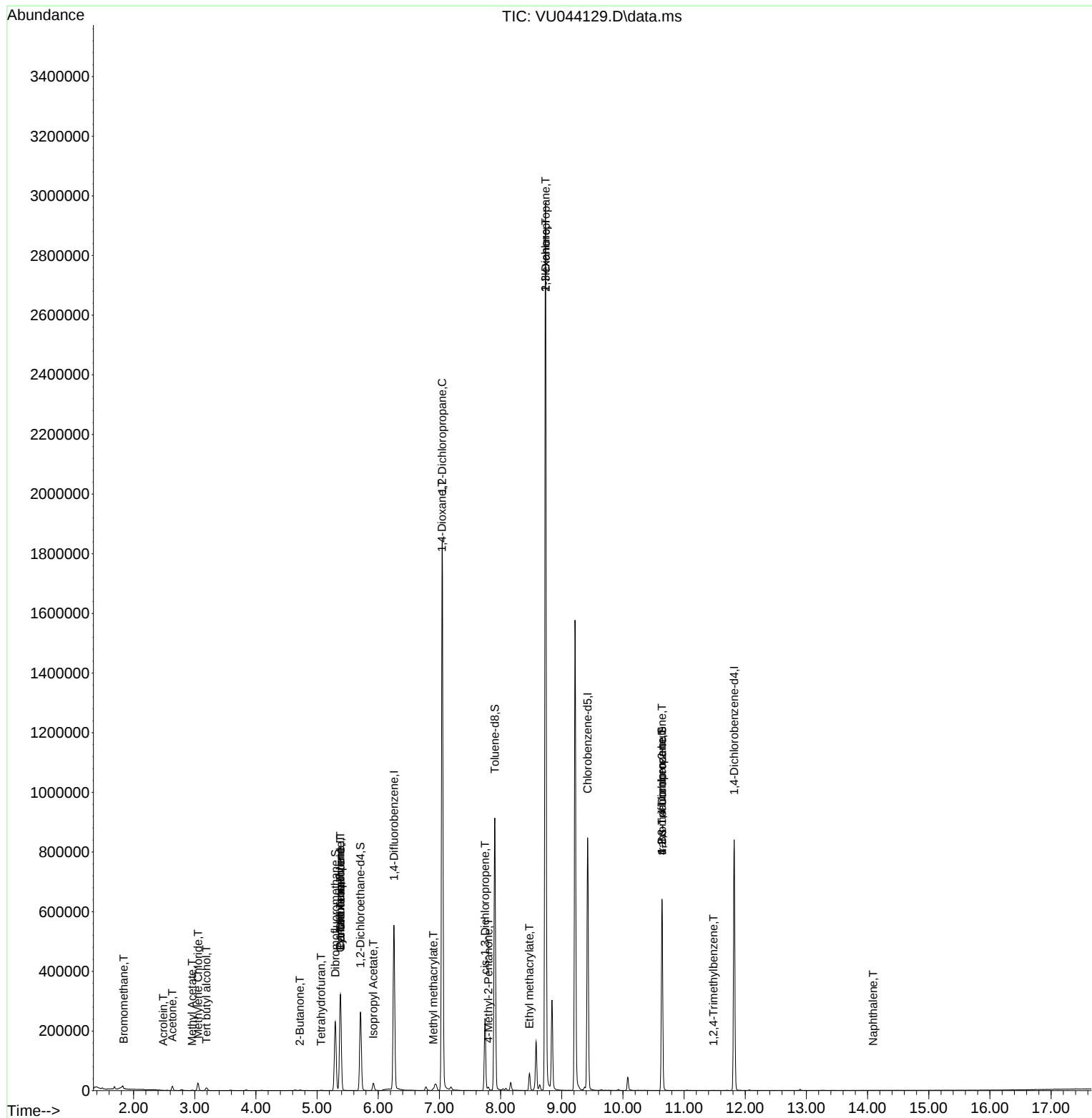
Internal Standards						
1) Pentafluorobenzene	5.382	168	210980	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	424546	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	450388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	206949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	191737	52.182	ug/l	0.00
Spiked Amount 50.000			Recovery	= 104.360%		
35) Dibromofluoromethane	5.298	113	150449	49.659	ug/l	0.00
Spiked Amount 50.000			Recovery	= 99.320%		
50) Toluene-d8	7.906	98	588083	50.324	ug/l	0.00
Spiked Amount 50.000			Recovery	= 100.640%		
62) 4-Bromofluorobenzene	10.639	95	216418	46.776	ug/l	0.00
Spiked Amount 50.000			Recovery	= 93.560%		
Target Compounds						Qvalue
3) Chloromethane	1.523	50	793	Below Cal		98
5) Bromomethane	1.838	94	353	0.218	ug/l	94
11) Tert butyl alcohol	3.192	59	6369	6.992	ug/l #	72
13) Acrolein	2.488	56	368	0.514	ug/l	99
16) Acetone	2.633	43	16454	7.759	ug/l	98
18) Methyl Acetate	2.957	43	1992	0.426	ug/l	93
20) Methylene Chloride	3.054	84	11645	2.032	ug/l	96
25) 2-Butanone	4.719	43	3205	1.059	ug/l	96
29) Tetrahydrofuran	5.067	42	863	0.514	ug/l #	65
31) Cyclohexane	5.378	56	4981	0.982	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	19037	3.980	ug/l #	50
38) Carbon Tetrachloride	5.382	117	22326	5.166	ug/l #	17
43) Isopropyl Acetate	5.919	43	26374	3.095	ug/l	98
45) 1,2-Dichloropropane	7.047	63	2210	0.562	ug/l #	42
48) Methyl methacrylate	6.899	41	9051	2.154	ug/l #	14
49) 1,4-Dioxane	7.041	88	221	2.140	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	6974	1.102	ug/l	93
54) cis-1,3-Dichloropropene	7.745	75	42427	7.254	ug/l #	65
56) Ethyl methacrylate	8.472	69	330	3.434	ug/l #	1
57) 1,3-Dichloropropane	8.735	76	30186	4.687	ug/l #	43
59) 2-Hexanone	8.735	43	389058	79.124	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	110050	19.009	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	110050	55.507	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.481	105	264	0.968	ug/l #	32
95) Naphthalene	14.092	128	300	2.866	ug/l #	69

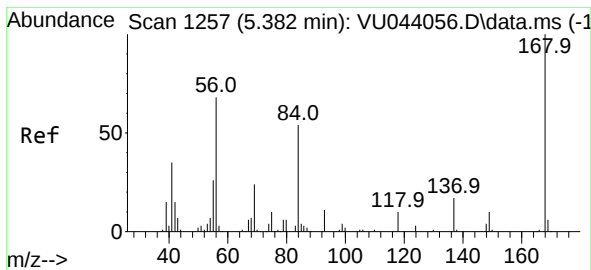
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 08 17:38:51 2021
Response via : Initial Calibration

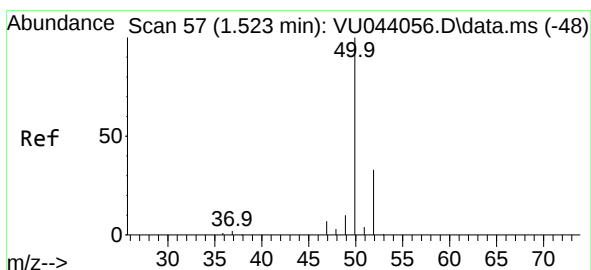
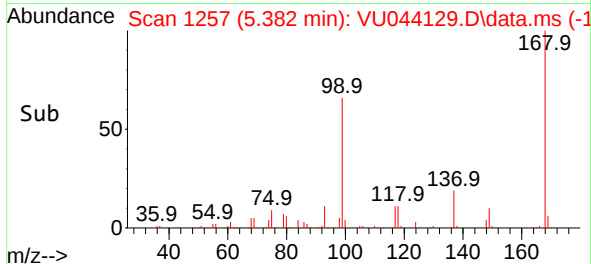
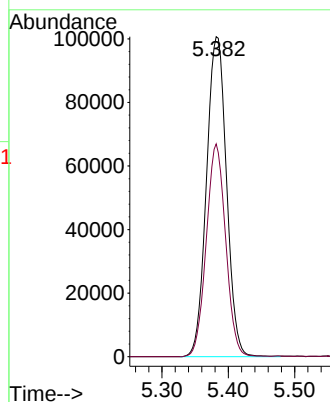
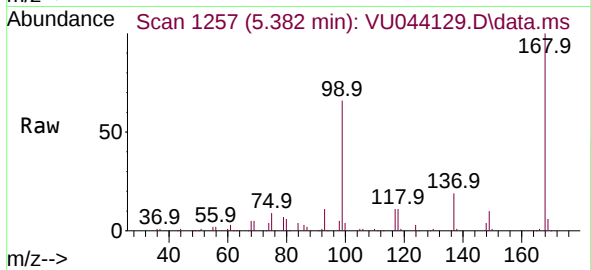




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

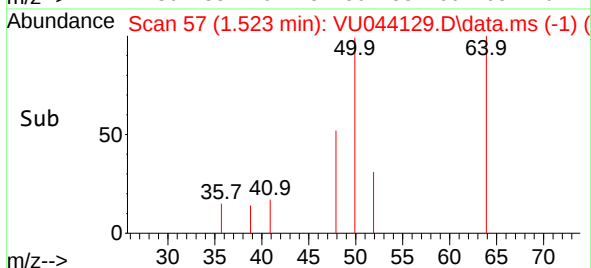
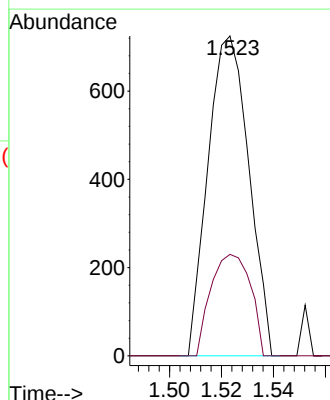
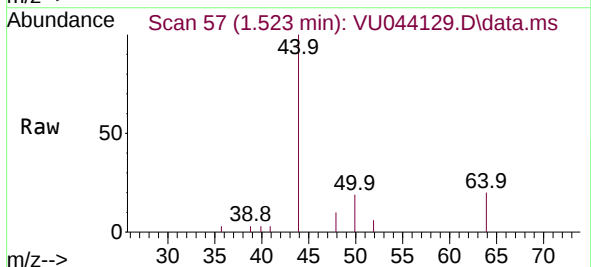
Instrument :
MSVOA_U
ClientSampled :

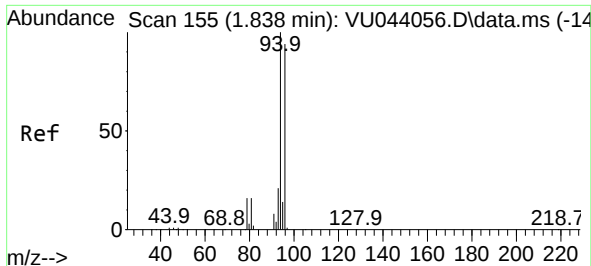
Tgt Ion:168 Resp: 210980
Ion Ratio Lower Upper
168 100
99 66.5 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

Tgt Ion: 50 Resp: 793
Ion Ratio Lower Upper
50 100
52 31.7 26.2 39.2

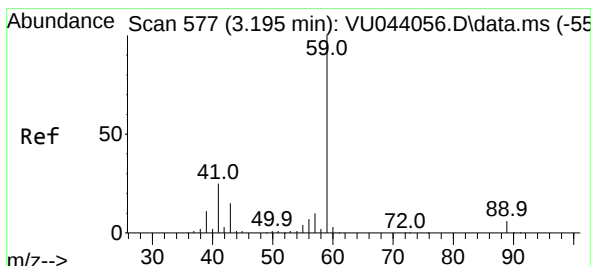
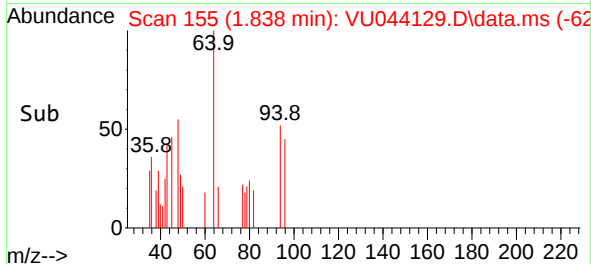
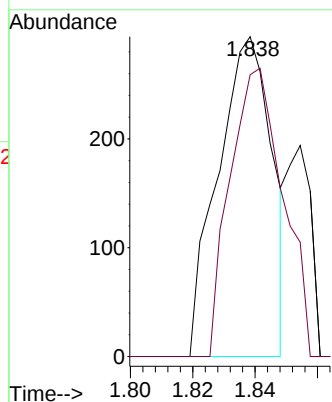
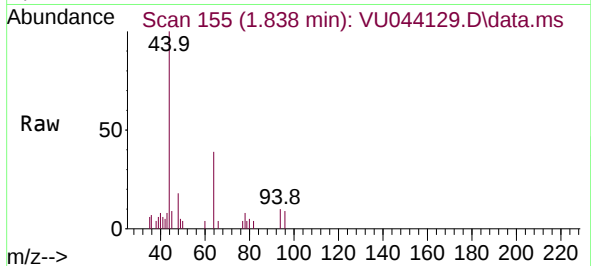




#5
Bromomethane
Concen: 0.218 ug/l
RT: 1.838 min Scan# 155
Delta R.T. 0.000 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

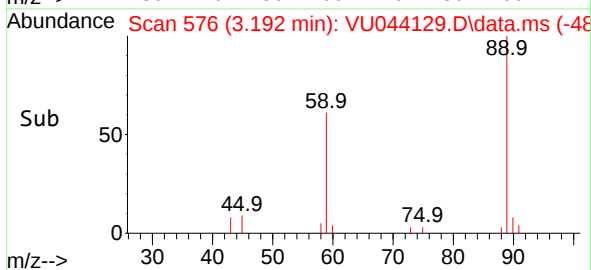
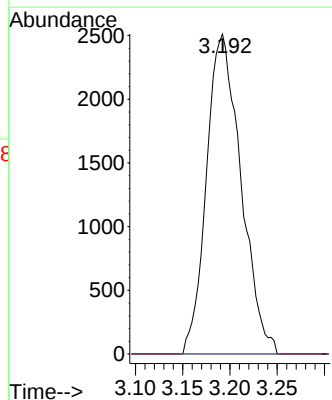
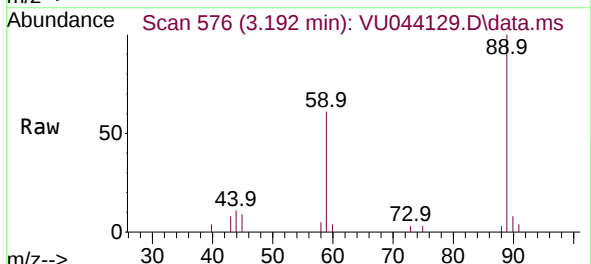
Instrument :
MSVOA_U
ClientSampled :

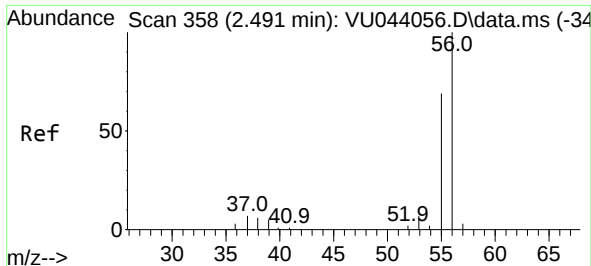
Tgt Ion: 94 Resp: 353
Ion Ratio Lower Upper
94 100
96 88.1 74.8 112.2



#11
Tert butyl alcohol
Concen: 6.992 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.003 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

Tgt Ion: 59 Resp: 6369
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

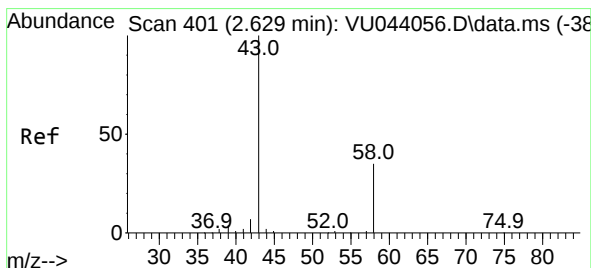
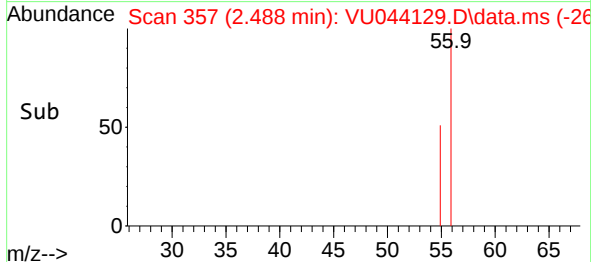
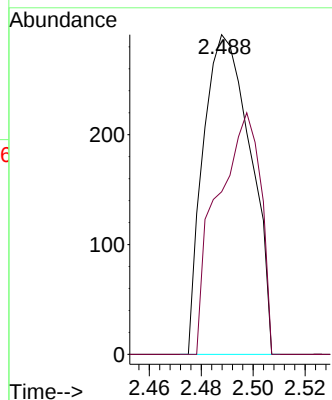
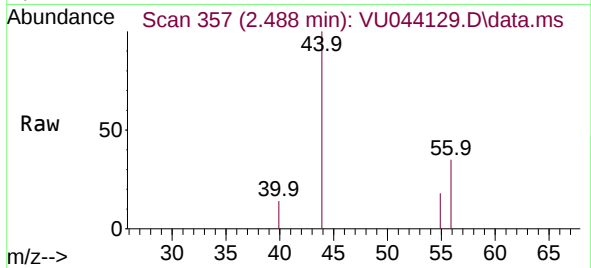




#13
Acrolein
Concen: 0.514 ug/l
RT: 2.488 min Scan# 357
Delta R.T. -0.003 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

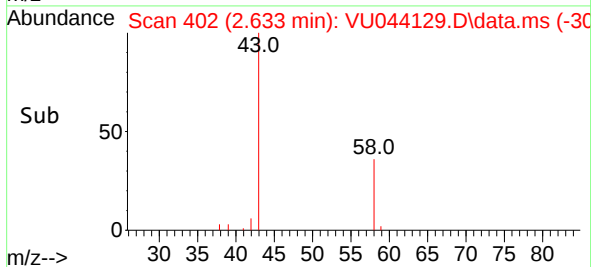
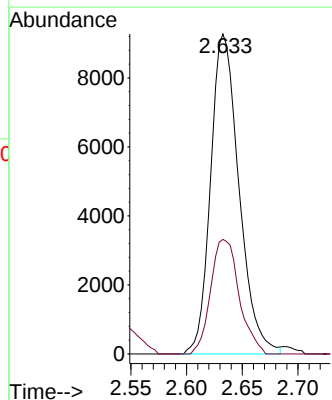
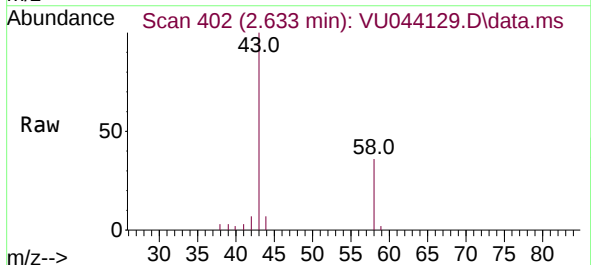
Instrument :
MSVOA_U
ClientSampled :

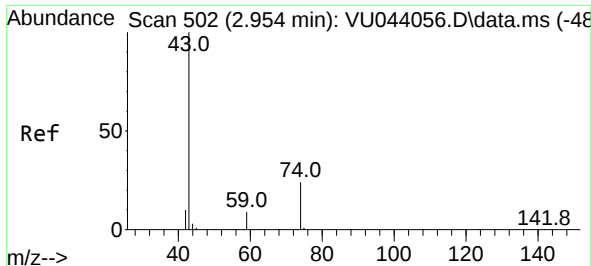
Tgt Ion: 56 Resp: 368
Ion Ratio Lower Upper
56 100
55 69.6 56.1 84.1



#16
Acetone
Concen: 7.759 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

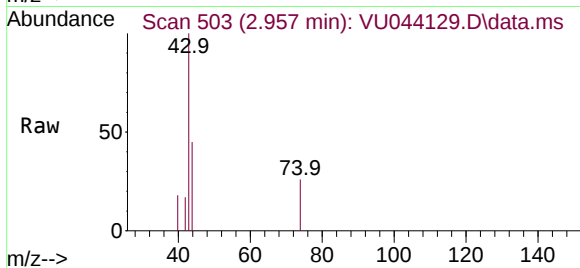
Tgt Ion: 43 Resp: 16454
Ion Ratio Lower Upper
43 100
58 35.8 27.7 41.5



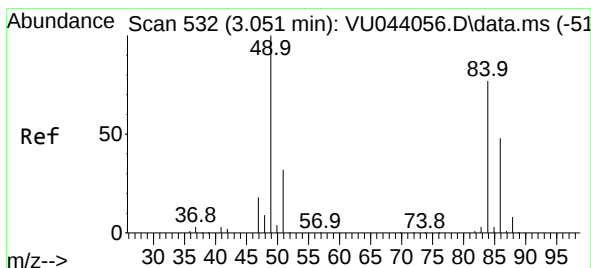
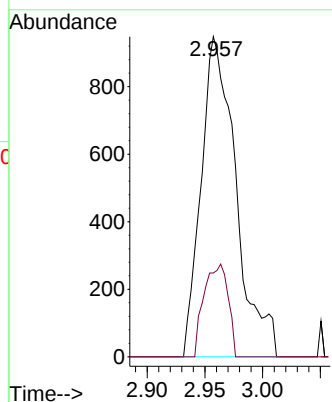
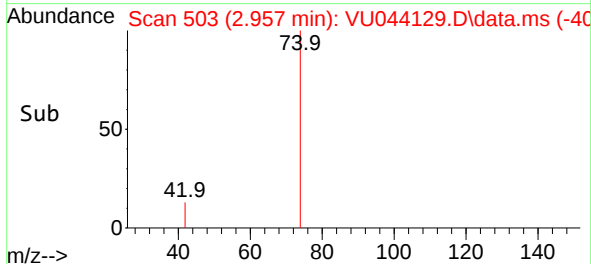


#18
Methyl Acetate
Concen: 0.426 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

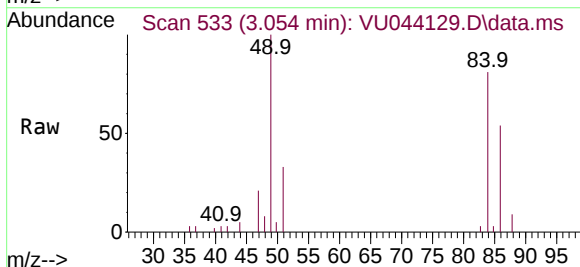
Instrument :
MSVOA_U
ClientSampled :



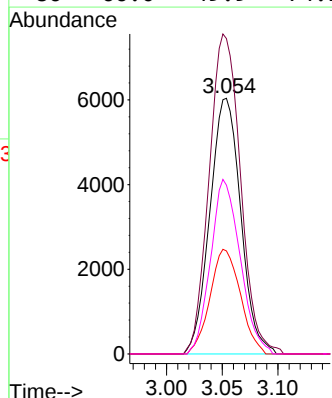
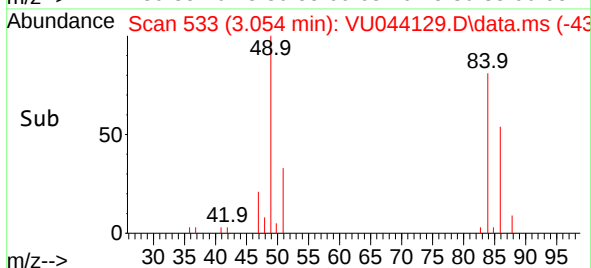
Tgt Ion: 43 Resp: 1992
Ion Ratio Lower Upper
43 100
74 19.9 18.7 28.1

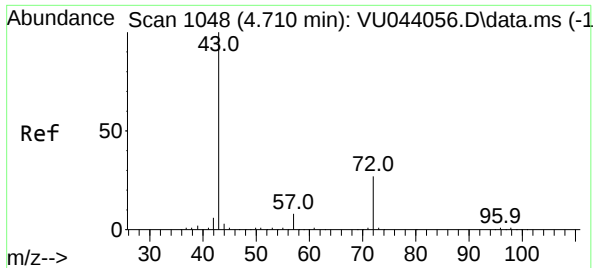


#20
Methylene Chloride
Concen: 2.032 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38



Tgt Ion: 84 Resp: 11645
Ion Ratio Lower Upper
84 100
49 123.4 103.6 155.4
51 40.3 32.8 49.2
86 66.0 49.9 74.9

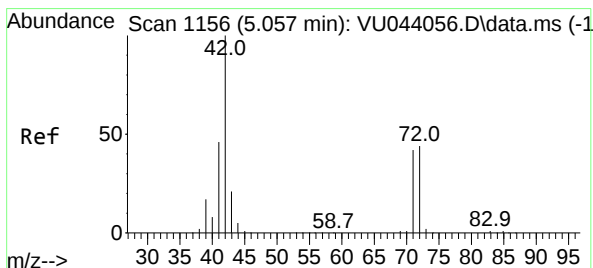
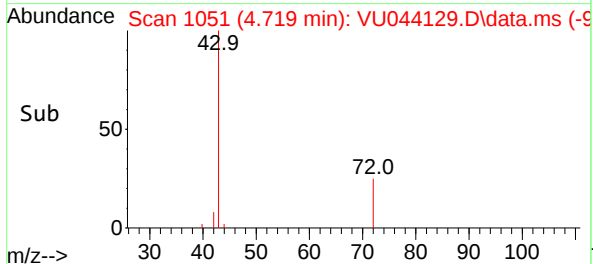
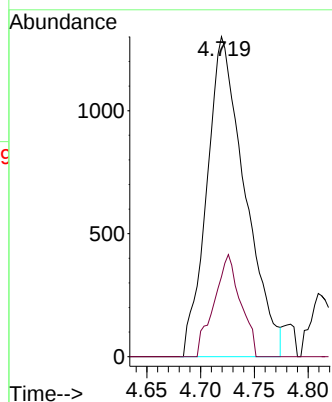
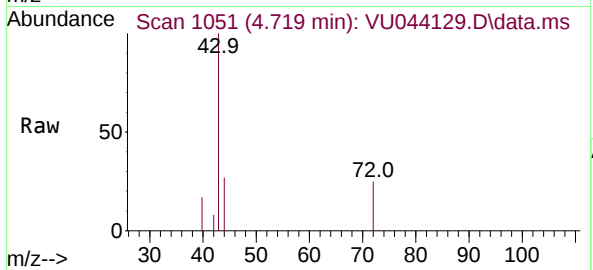




#25
2-Butanone
Concen: 1.059 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

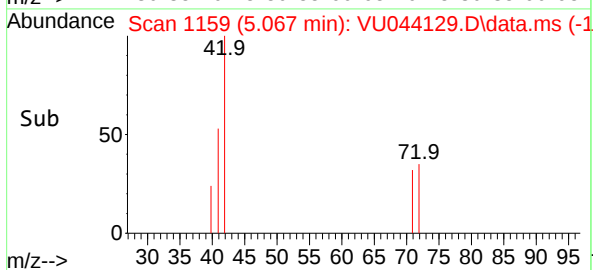
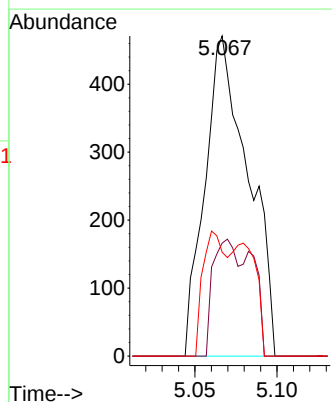
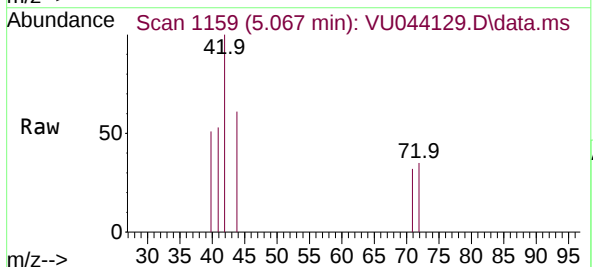
Instrument :
MSVOA_U
ClientSampled :

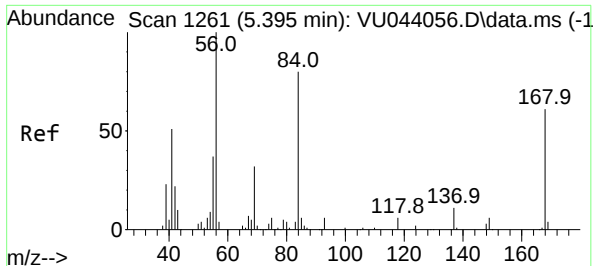
Tgt Ion: 43 Resp: 3205
Ion Ratio Lower Upper
43 100
72 25.0 21.4 32.2



#29
Tetrahydrofuran
Concen: 0.514 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.010 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

Tgt Ion: 42 Resp: 863
Ion Ratio Lower Upper
42 100
72 20.4 35.6 53.4#
71 20.7 33.3 49.9#





#31

Cyclohexane

Concen: 0.982 ug/l

RT: 5.378 min Scan# 1256

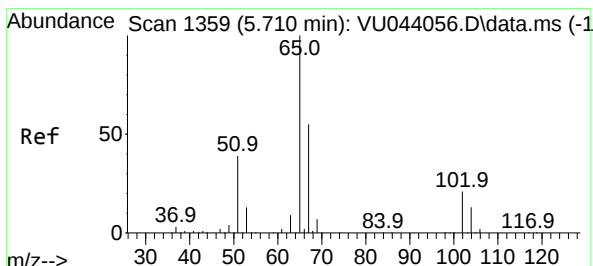
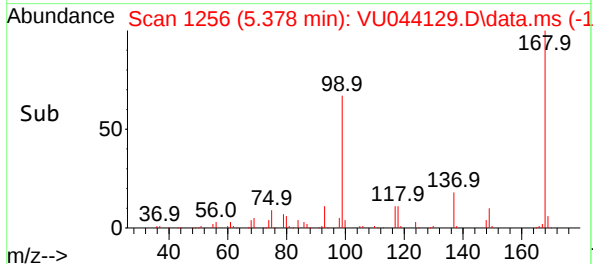
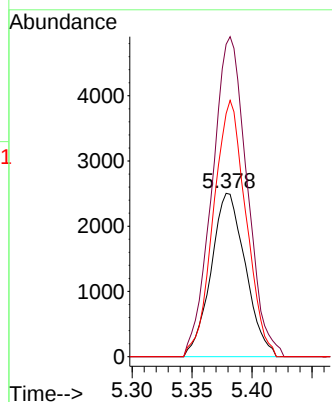
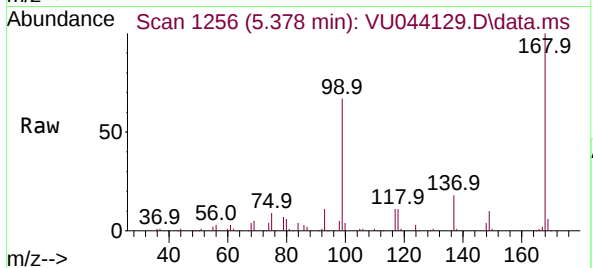
Delta R.T. -0.017 min

Lab File: VU044129.D

Acq: 08 Jun 2021 21:38

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 56	Resp: 4981
Ion Ratio	Lower Upper
56 100	
69 191.1	25.4 38.2#
84 148.8	64.2 96.2#



#33

1,2-Dichloroethane-d4

Concen: 52.182 ug/l

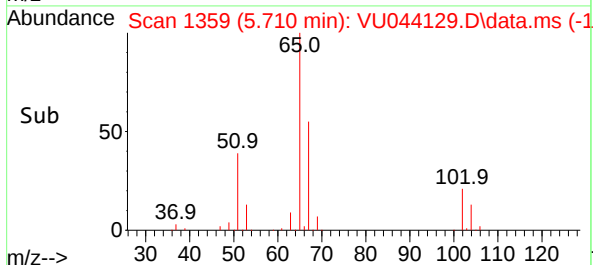
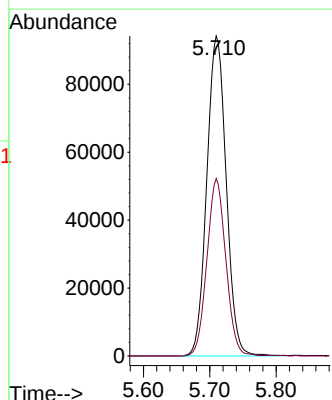
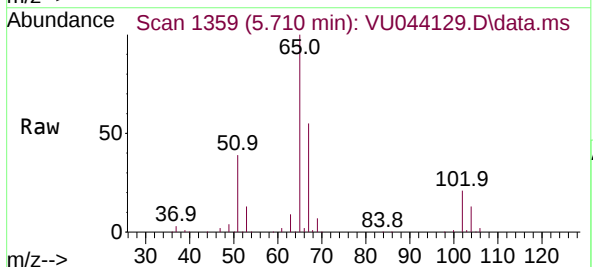
RT: 5.710 min Scan# 1359

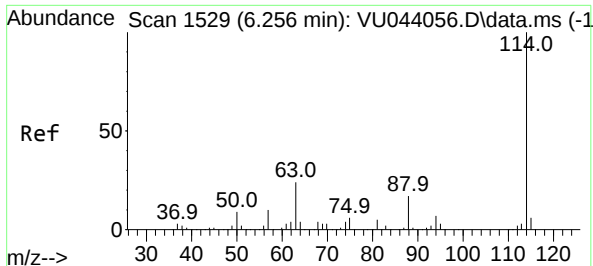
Delta R.T. -0.000 min

Lab File: VU044129.D

Acq: 08 Jun 2021 21:38

Tgt Ion: 65	Resp: 191737
Ion Ratio	Lower Upper
65 100	
67 53.9	0.0 109.2

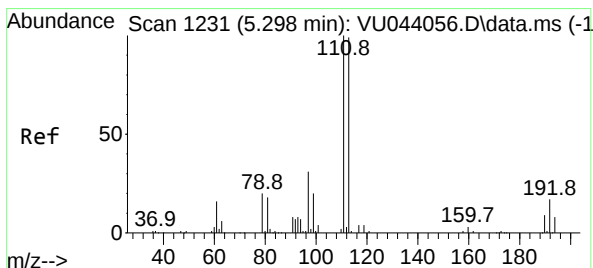
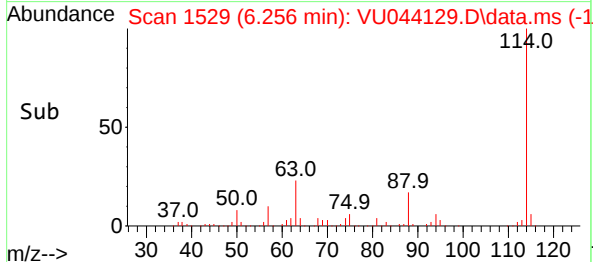
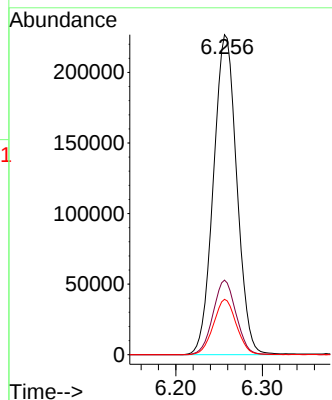
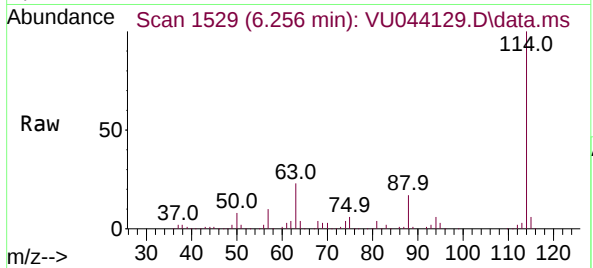




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

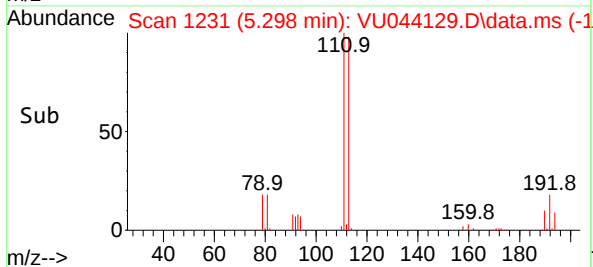
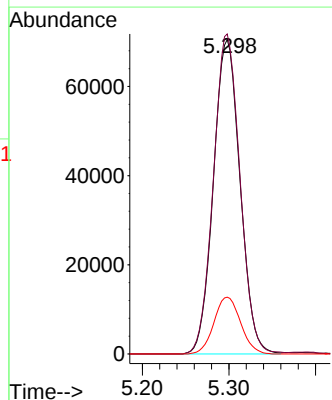
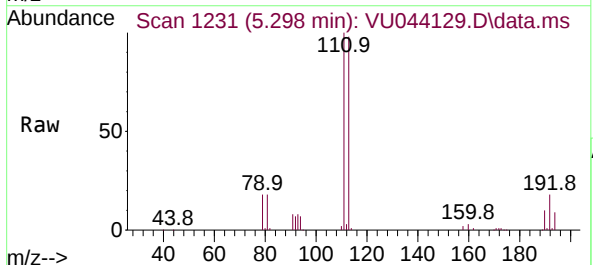
Instrument :
MSVOA_U
ClientSampleId :

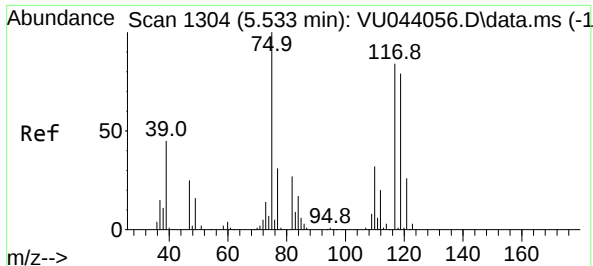
Tgt Ion:114 Resp: 424546
Ion Ratio Lower Upper
114 100
63 23.3 0.0 48.4
88 17.3 0.0 34.4



#35
Dibromofluoromethane
Concen: 49.659 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

Tgt Ion:113 Resp: 150449
Ion Ratio Lower Upper
113 100
111 101.8 82.1 123.1
192 18.1 13.8 20.8



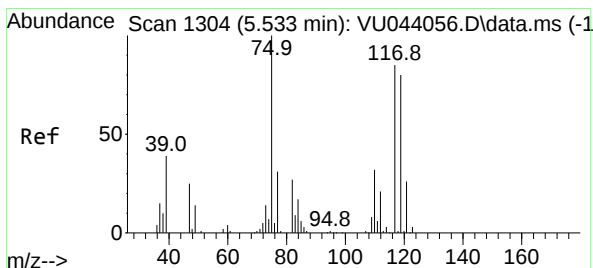
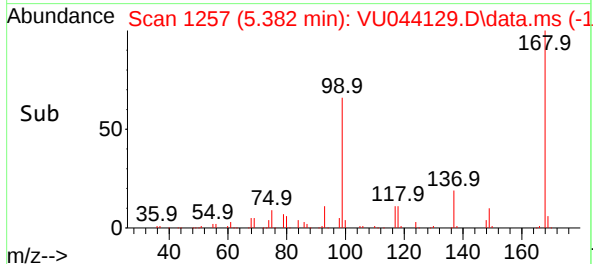
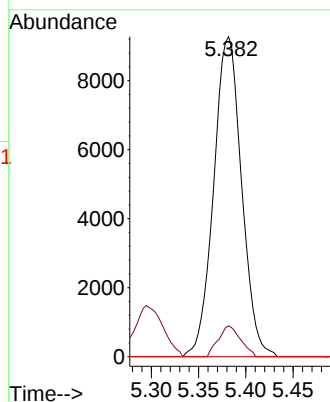
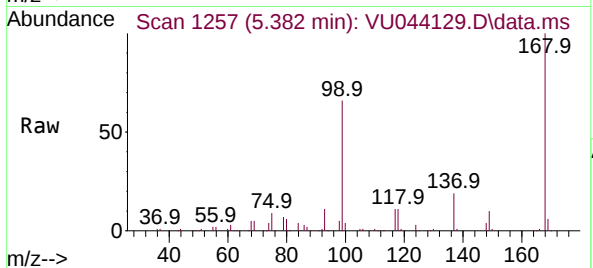


#36

1,1-Dichloropropene
Concen: 3.980 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

Instrument :
MSVOA_U
ClientSampled :

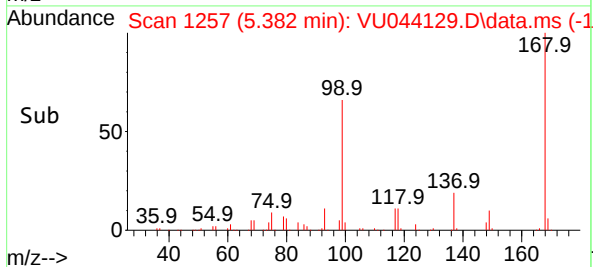
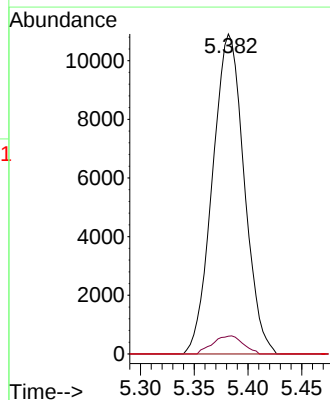
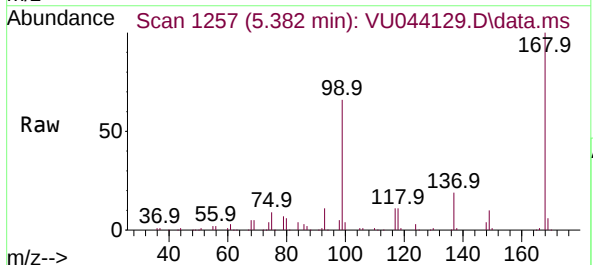
Tgt Ion: 75 Resp: 19037
Ion Ratio Lower Upper
75 100
110 7.7 15.9 47.7#
77 0.0 25.0 37.4#

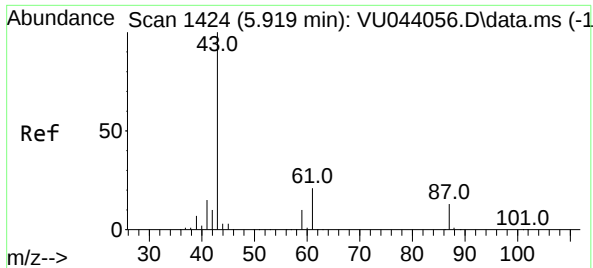


#38

Carbon Tetrachloride
Concen: 5.166 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

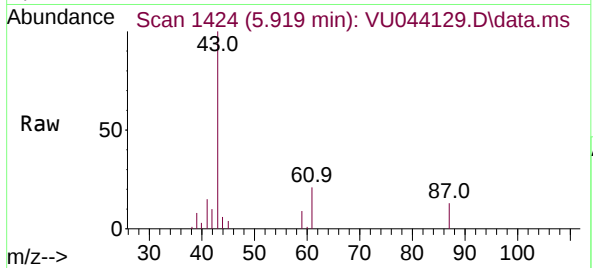
Tgt Ion: 117 Resp: 22326
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 24.5 36.7#



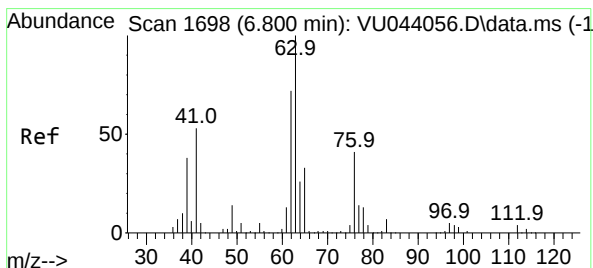
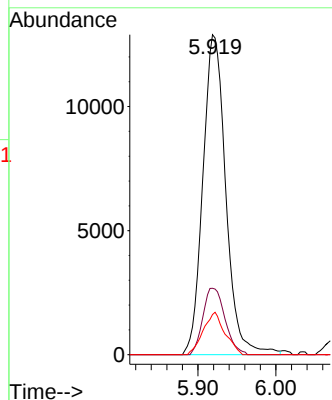
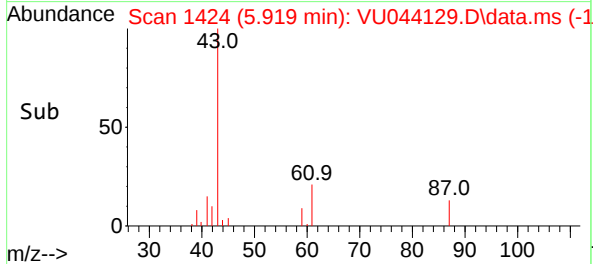


#43
Isopropyl Acetate
Concen: 3.095 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

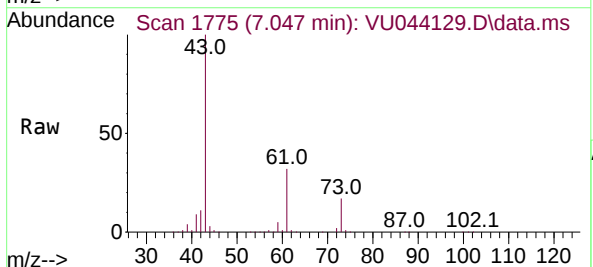
Instrument :
MSVOA_U
ClientSampleId :



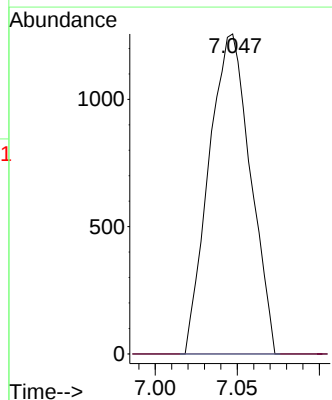
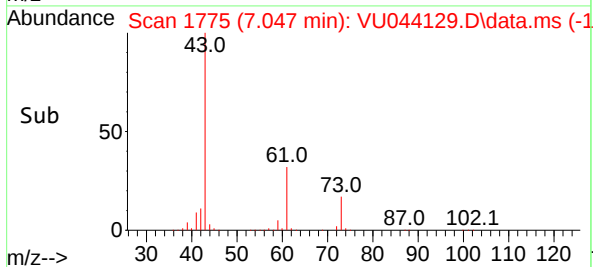
Tgt Ion: 43 Resp: 26374
Ion Ratio Lower Upper
43 100
61 20.0 16.8 25.2
87 12.5 10.2 15.2

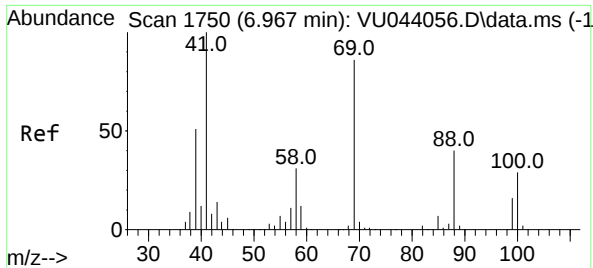


#45
1,2-Dichloropropane
Concen: 0.562 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38



Tgt Ion: 63 Resp: 2210
Ion Ratio Lower Upper
63 100
65 0.0 26.3 39.5#





#48

Methyl methacrylate

Concen: 2.154 ug/l

RT: 6.899 min Scan# 1729

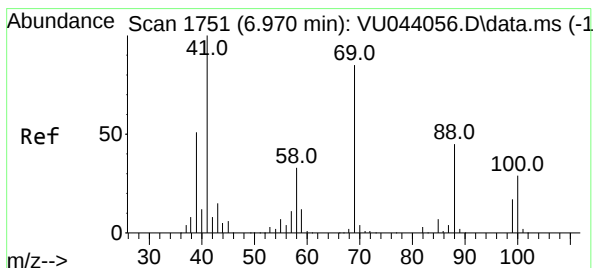
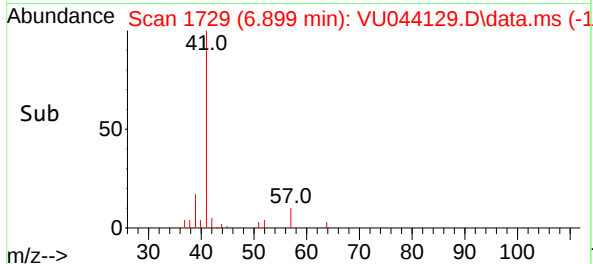
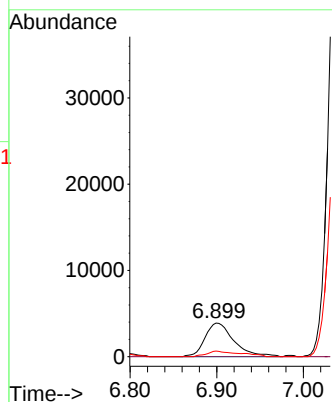
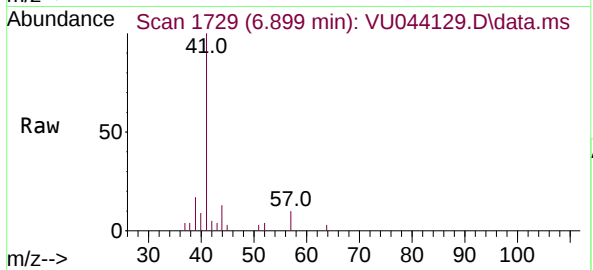
Delta R.T. -0.068 min

Lab File: VU044129.D

Acq: 08 Jun 2021 21:38

Tgt Ion:	41	Resp:	9051
Ion	Ratio	Lower	Upper
41	100		
69	0.0	68.9	103.3#
39	0.0	40.6	60.8#

Instrument :
MSVOA_U
ClientSampled :



#49

1,4-Dioxane

Concen: 2.140 ug/l

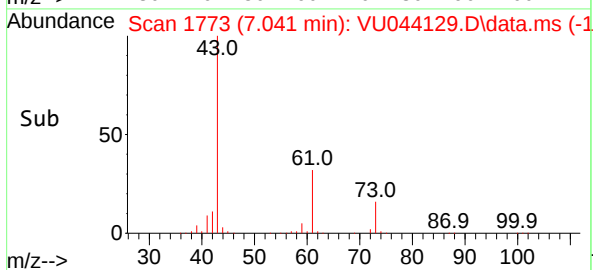
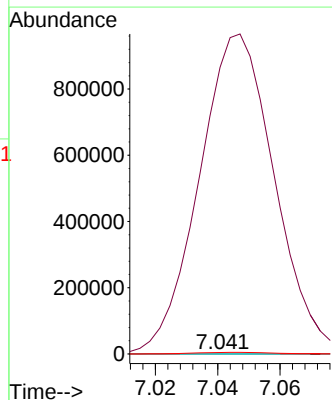
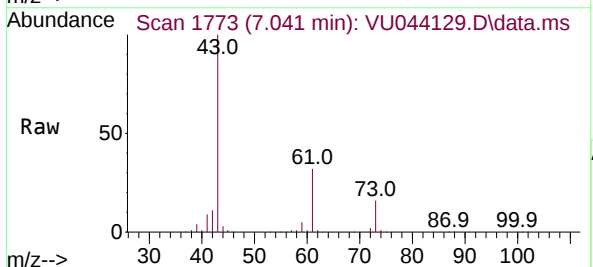
RT: 7.041 min Scan# 1773

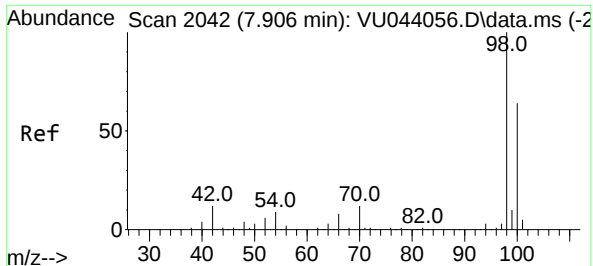
Delta R.T. 0.071 min

Lab File: VU044129.D

Acq: 08 Jun 2021 21:38

Tgt Ion:	88	Resp:	221
Ion	Ratio	Lower	Upper
88	100		
43	745937.6	25.0	37.4#
58	4091.9	60.0	90.0#

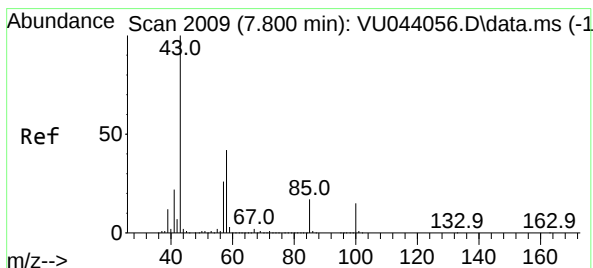
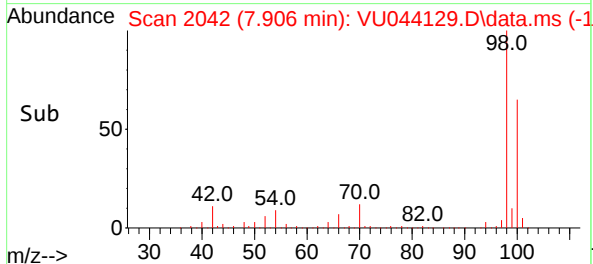
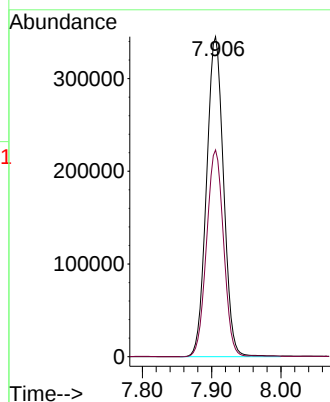
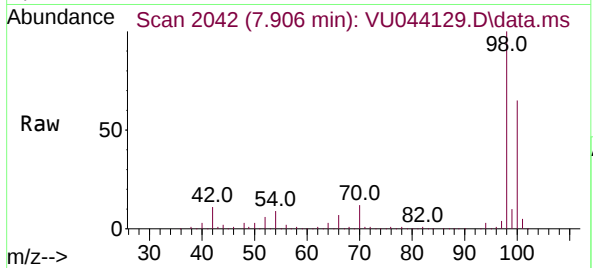




#50
Toluene-d8
Concen: 50.324 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

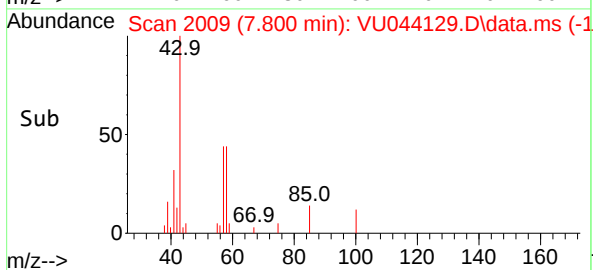
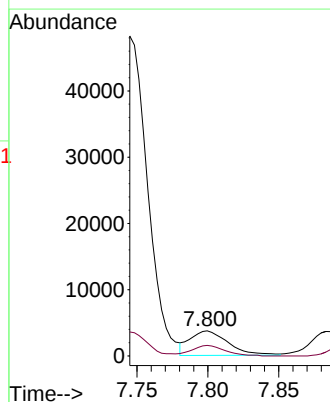
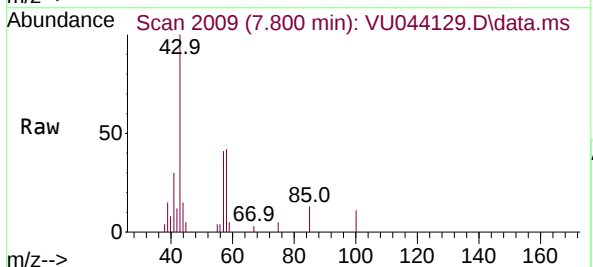
Instrument :
MSVOA_U
ClientSampled :

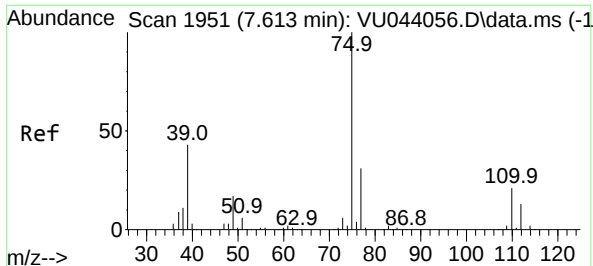
Tgt Ion: 98 Resp: 588083
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.102 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

Tgt Ion: 43 Resp: 6974
Ion Ratio Lower Upper
43 100
58 37.4 33.3 49.9

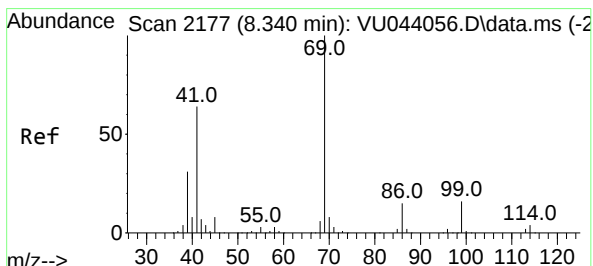
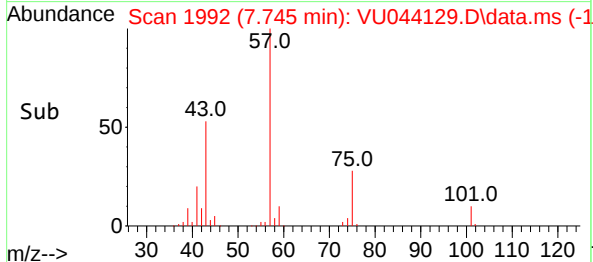
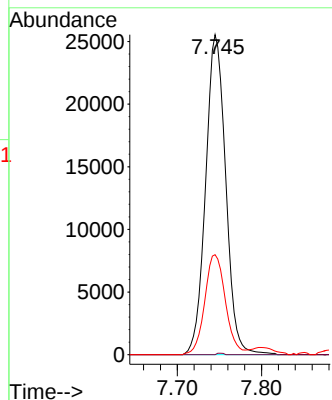
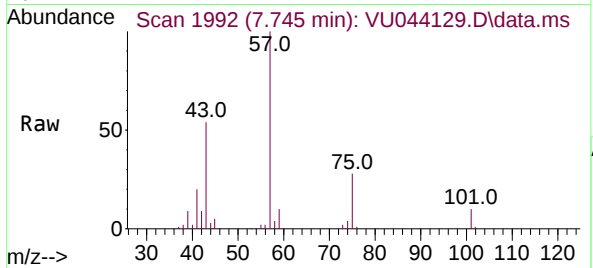




#54
 cis-1,3-Dichloropropene
 Concen: 7.254 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044129.D
 Acq: 08 Jun 2021 21:38

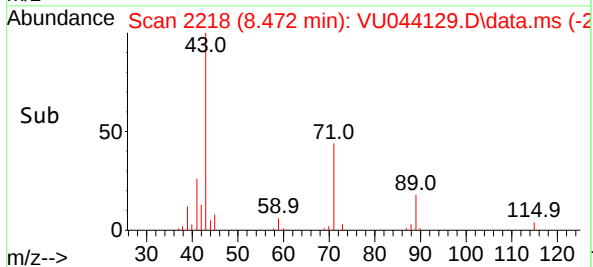
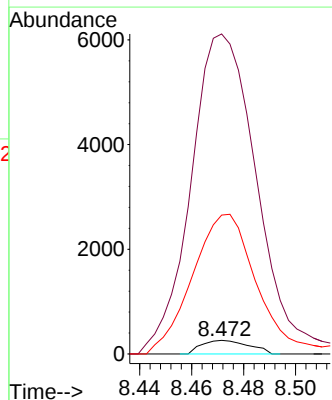
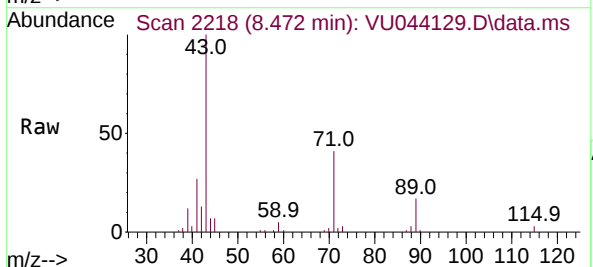
Instrument :
 MSVOA_U
 ClientSampleId :

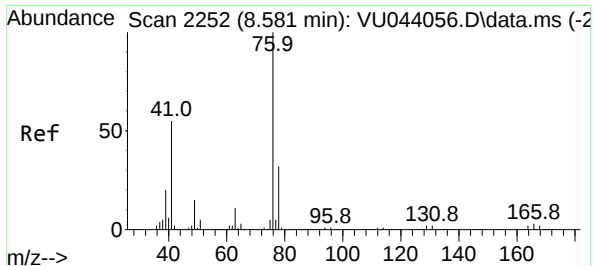
Tgt Ion: 75 Resp: 42427
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 31.3 34.7 52.1#



#56
 Ethyl methacrylate
 Concen: 3.434 ug/l
 RT: 8.472 min Scan# 2218
 Delta R.T. 0.132 min
 Lab File: VU044129.D
 Acq: 08 Jun 2021 21:38

Tgt Ion: 69 Resp: 330
 Ion Ratio Lower Upper
 69 100
 41 3280.9 51.4 77.0#
 39 1388.5 24.9 37.3#



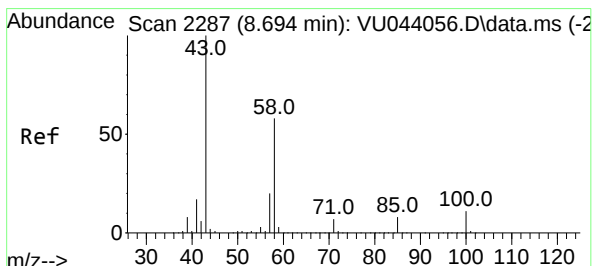
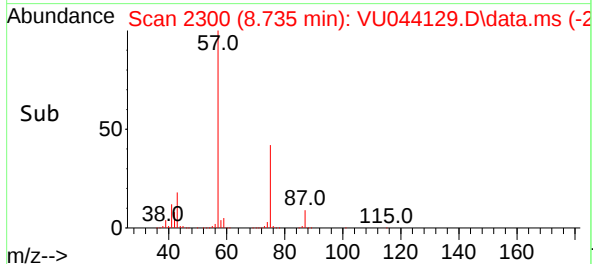
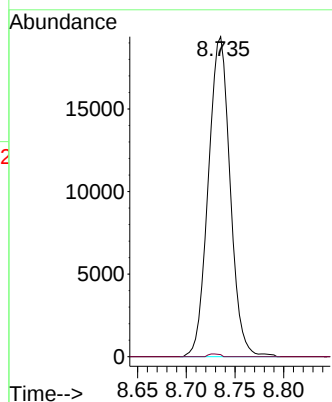
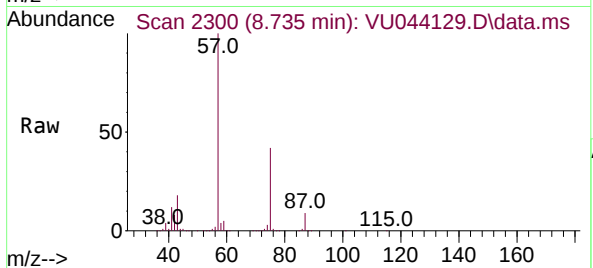


#57

1,3-Dichloropropane
Concen: 4.687 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.154 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

Instrument :
MSVOA_U
ClientSampled :

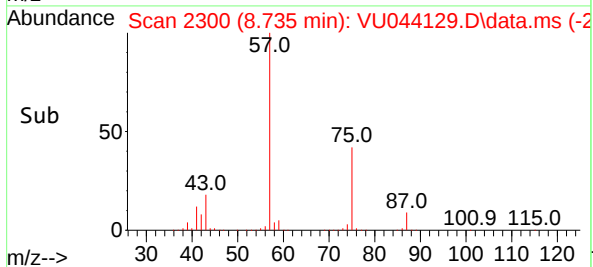
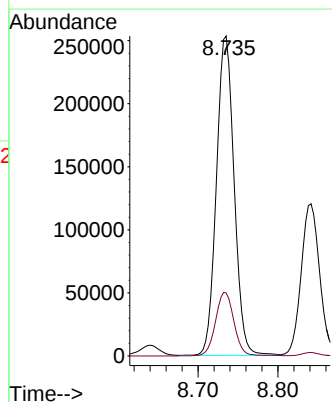
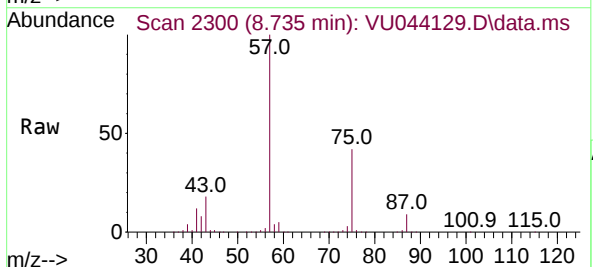
Tgt Ion: 76 Resp: 30186
Ion Ratio Lower Upper
76 100
78 0.5 25.9 38.9#

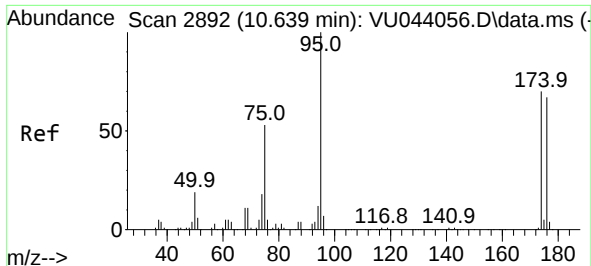


#59

2-Hexanone
Concen: 79.124 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

Tgt Ion: 43 Resp: 389058
Ion Ratio Lower Upper
43 100
58 20.9 29.0 87.1#

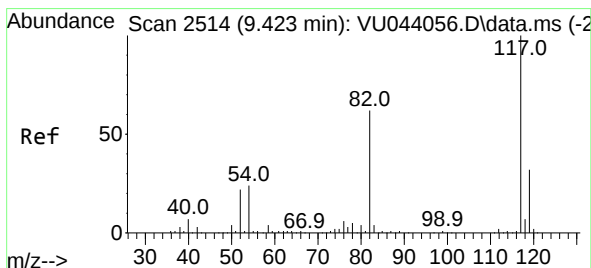
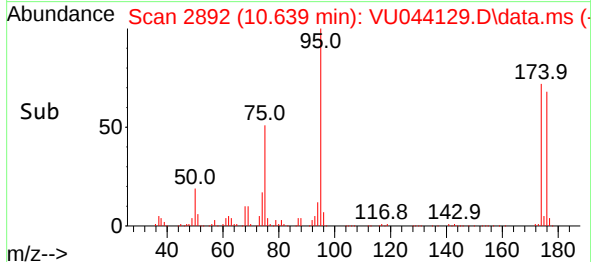
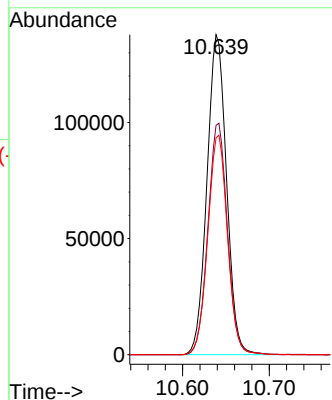
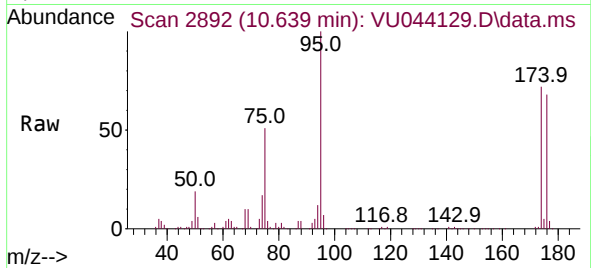




#62
4-Bromofluorobenzene
Concen: 46.776 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

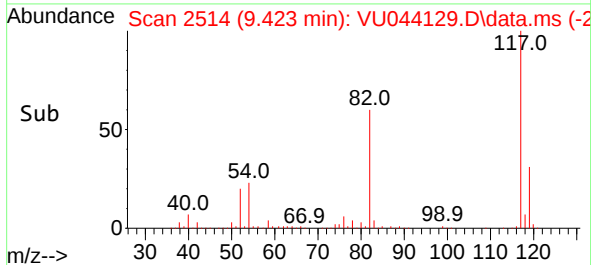
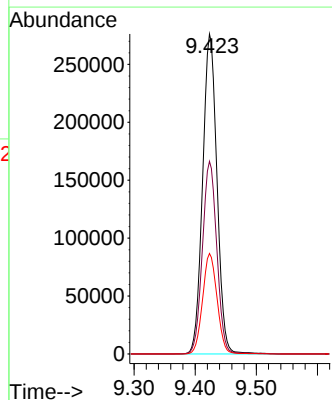
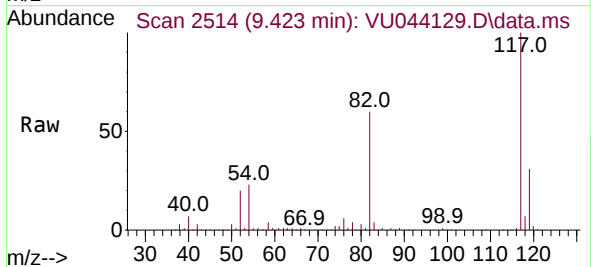
Instrument :
MSVOA_U
ClientSampleId :

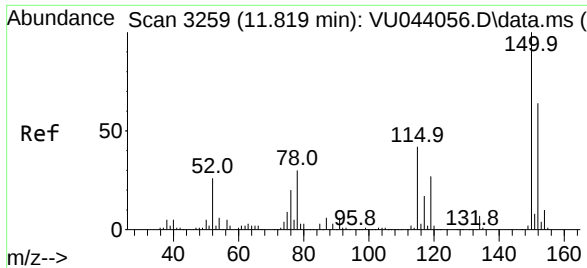
Tgt Ion: 95 Resp: 216418
Ion Ratio Lower Upper
95 100
174 72.1 0.0 141.0
176 69.0 0.0 135.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

Tgt Ion: 117 Resp: 450388
Ion Ratio Lower Upper
117 100
82 60.2 50.0 75.0
119 31.4 25.9 38.9

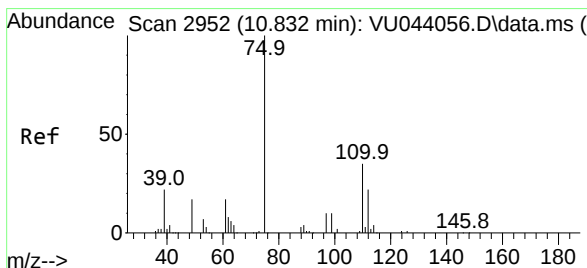
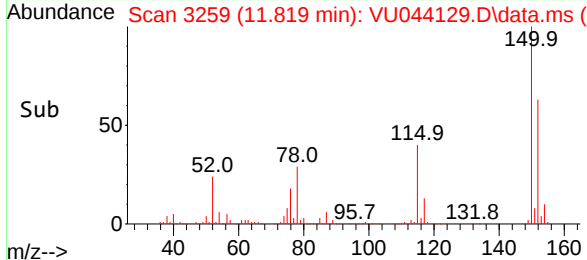
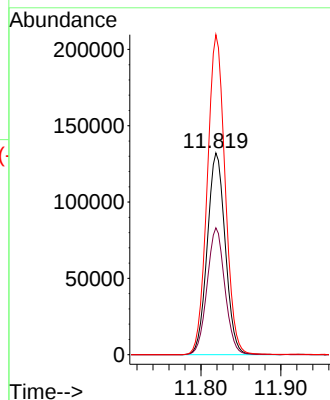
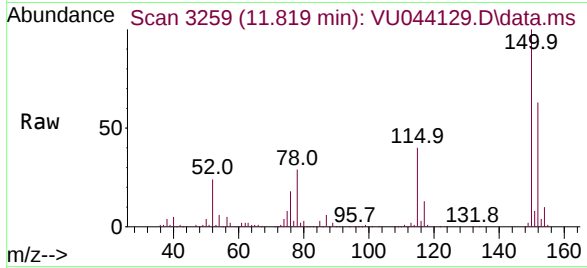




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044129.D
 Acq: 08 Jun 2021 21:38

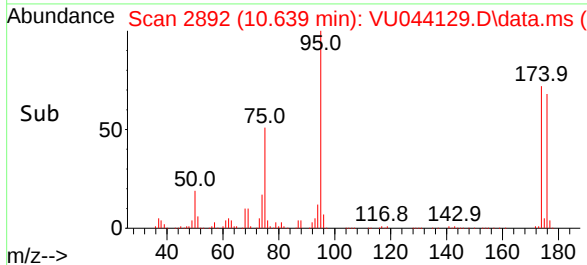
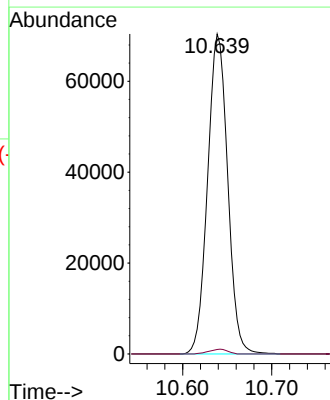
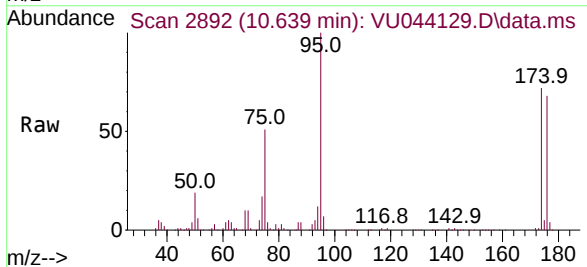
Instrument :
 MSVOA_U
 ClientSampled :

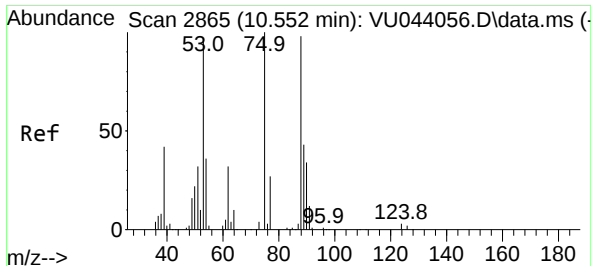
Tgt Ion:152 Resp: 206949
 Ion Ratio Lower Upper
 152 100
 115 62.2 44.6 134.0
 150 157.4 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 19.009 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044129.D
 Acq: 08 Jun 2021 21:38

Tgt Ion: 75 Resp: 110050
 Ion Ratio Lower Upper
 75 100
 77 1.4 16.9 50.6#

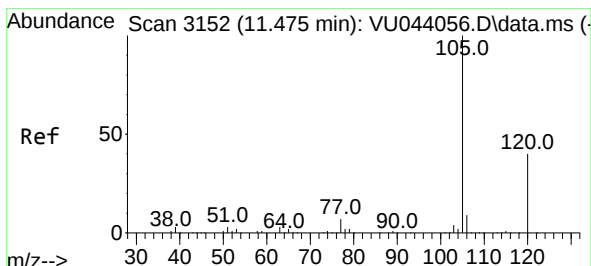
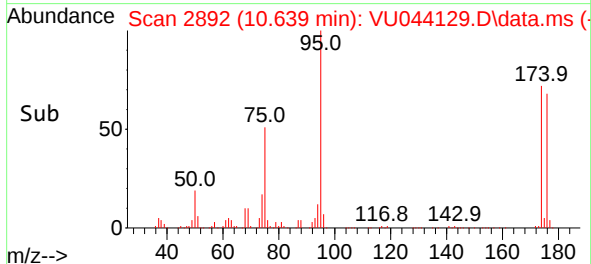
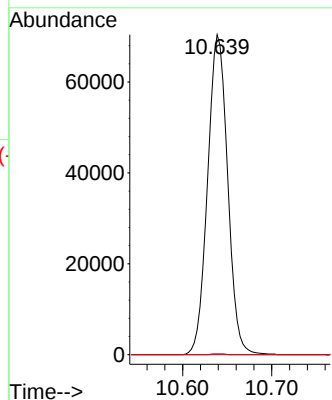
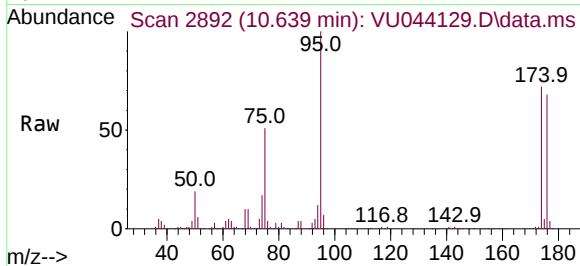




#81
trans-1,4-Dichloro-2-butene
Concen: 55.507 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

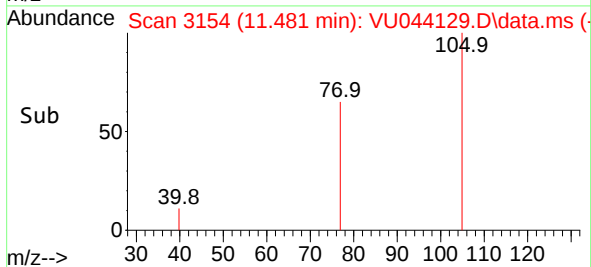
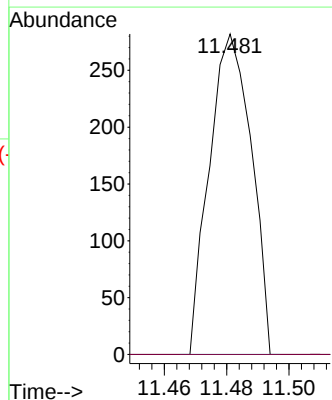
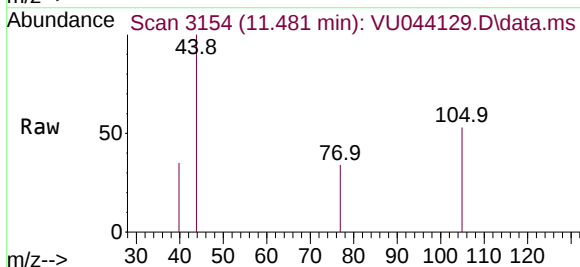
Instrument :
MSVOA_U
ClientSampleId :

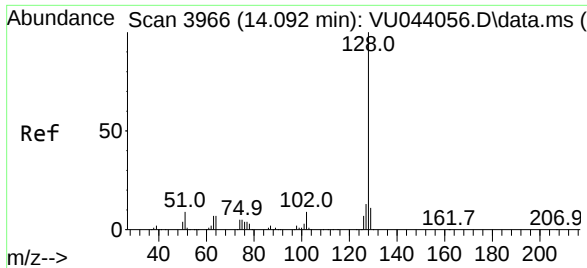
Tgt Ion: 75 Resp: 110050
Ion Ratio Lower Upper
75 100
53 0.2 76.9 115.3#
89 0.0 33.8 50.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.968 ug/l
RT: 11.481 min Scan# 3154
Delta R.T. 0.006 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

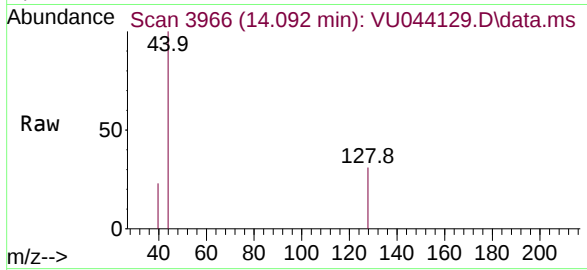
Tgt Ion: 105 Resp: 264
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#





#95
Naphthalene
Concen: 2.866 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. -0.000 min
Lab File: VU044129.D
Acq: 08 Jun 2021 21:38

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	300
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.7	13.1#

