

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061421\
 Data File : VU044202.D
 Acq On : 15 Jun 2021 00:04
 Operator : SY/MD
 Sample : PB137088TB
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 04:58:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 05:11:37 2021
 Response via : Initial Calibration

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

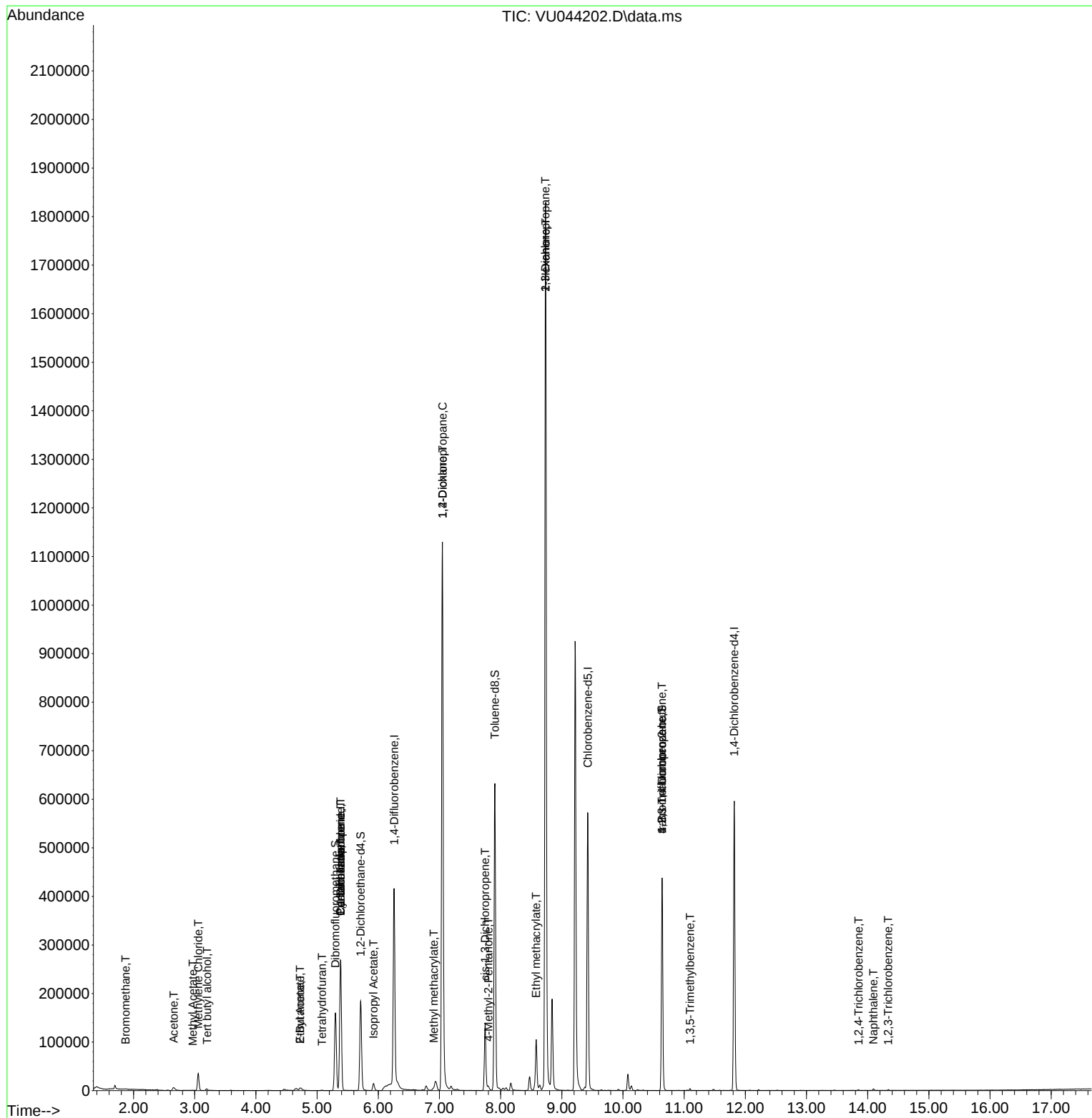
Internal Standards						
1) Pentafluorobenzene	5.385	168	180076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.260	114	318625	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.424	117	313778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	151429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	136751	47.754	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.500%	
35) Dibromofluoromethane	5.298	113	105842	47.753	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.500%	
50) Toluene-d8	7.906	98	414108	48.649	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.300%	
62) 4-Bromofluorobenzene	10.639	95	150105	44.003	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.000%	
Target Compounds					Qvalue	
3) Chloromethane	1.524	50	315	Below Cal	#	88
5) Bromomethane	1.871	94	370	0.296	ug/l	92
6) Chloroethane	1.919	64	29	Below Cal	#	42
11) Tert butyl alcohol	3.202	59	2840	3.687	ug/l	# 73
13) Acrolein	2.508	56	43	Below Cal	#	15
16) Acetone	2.656	43	11818	5.902	ug/l	97
18) Methyl Acetate	2.971	43	917	0.249	ug/l	# 64
20) Methylene Chloride	3.057	84	17013	5.526	ug/l	95
25) 2-Butanone	4.723	43	10357	4.333	ug/l	98
29) Tetrahydrofuran	5.080	42	792	0.610	ug/l	# 55
31) Cyclohexane	5.382	56	4011	0.992	ug/l	# 1
36) 1,1-Dichloropropene	5.385	75	15146	4.273	ug/l	# 51
37) Ethyl Acetate	4.723	43	10357	2.440	ug/l	# 67
38) Carbon Tetrachloride	5.382	117	19017	5.942	ug/l	# 16
43) Isopropyl Acetate	5.922	43	15873	2.635	ug/l	98
45) 1,2-Dichloropropane	7.051	63	1506	0.528	ug/l	# 43
48) Methyl methacrylate	6.906	41	7291	2.488	ug/l	# 11
49) 1,4-Dioxane	7.051	88	73	0.952	ug/l	# 1
51) 4-Methyl-2-Pentanone	7.800	43	5967	1.369	ug/l	# 86
54) cis-1,3-Dichloropropene	7.745	75	26553	6.215	ug/l	# 67
56) Ethyl methacrylate	8.578	69	1048	0.262	ug/l	# 1
57) 1,3-Dichloropropane	8.732	76	19794	4.266	ug/l	# 42
59) 2-Hexanone	8.736	43	256718	73.793	ug/l	# 47
76) 1,2,3-Trichloropropane	10.639	75	75435	14.858	ug/l	# 47
80) 1,3,5-Trimethylbenzene	11.096	105	2250	0.249	ug/l	95
81) trans-1,4-Dichloro-2-b...	10.639	75	75435	53.860	ug/l	# 13
93) 1,2,4-Trichlorobenzene	13.851	180	643	0.203	ug/l	92
95) Naphthalene	14.092	128	3221	3.121	ug/l	95
96) 1,2,3-Trichlorobenzene	14.337	180	684	0.223	ug/l	88

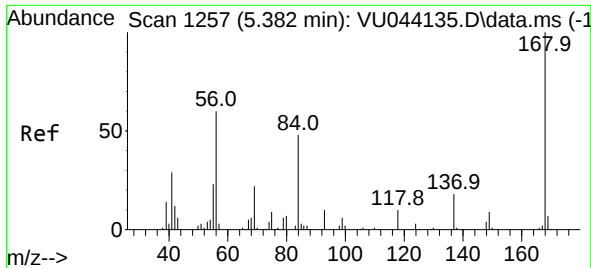
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061421\
Data File : VU044202.D
Acq On : 15 Jun 2021 00:04
Operator : SY/MD
Sample : PB137088TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 15 04:58:59 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 10 05:11:37 2021
Response via : Initial Calibration

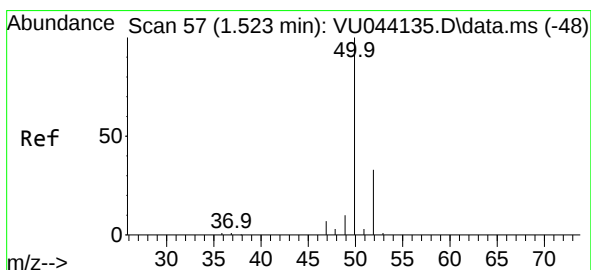
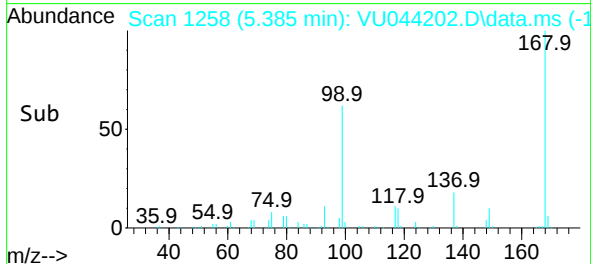
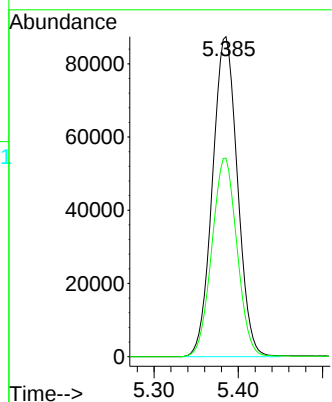
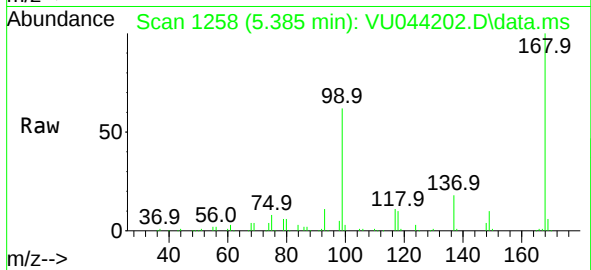




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04

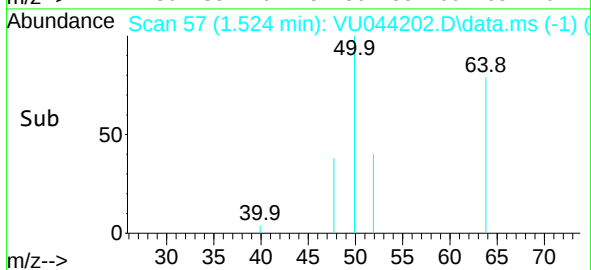
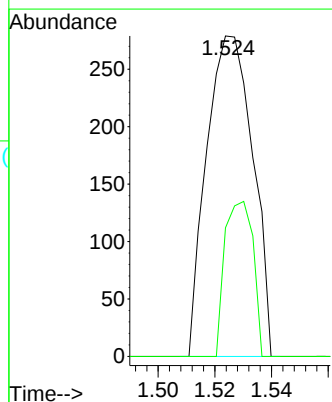
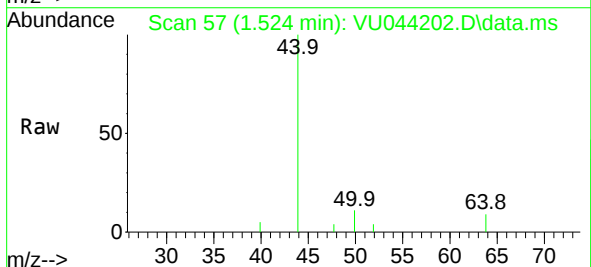
Instrument :
MSVOA_U
ClientSampleId :

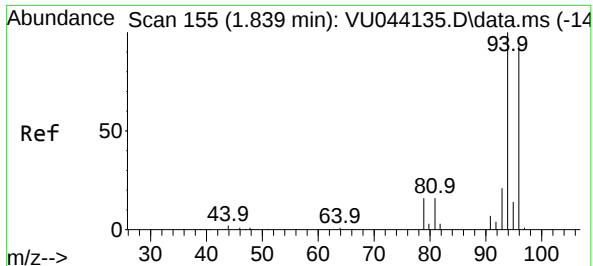
Tgt Ion:168 Resp: 180076
Ion Ratio Lower Upper
168 100
99 62.1 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.524 min Scan# 57
Delta R.T. 0.001 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04

Tgt Ion: 50 Resp: 315
Ion Ratio Lower Upper
50 100
52 40.1 26.6 39.8#

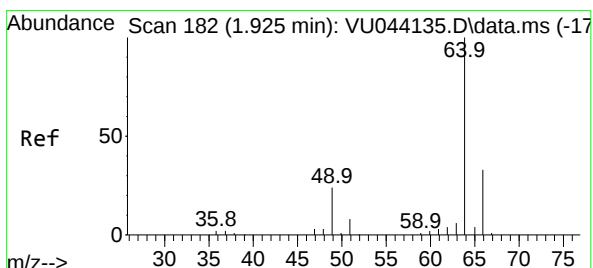
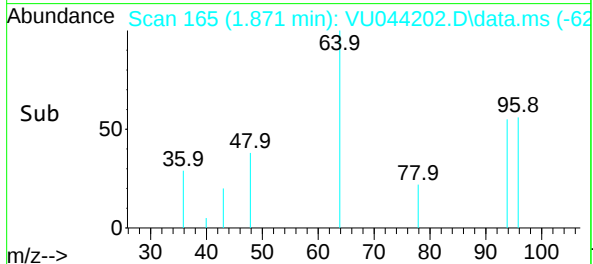
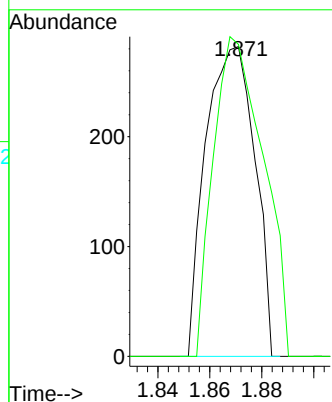
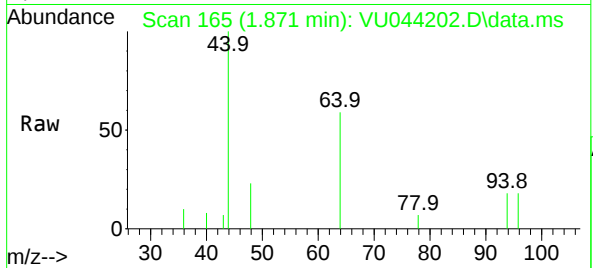




#5
Bromomethane
Concen: 0.296 ug/l
RT: 1.871 min Scan# 165
Delta R.T. 0.032 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04

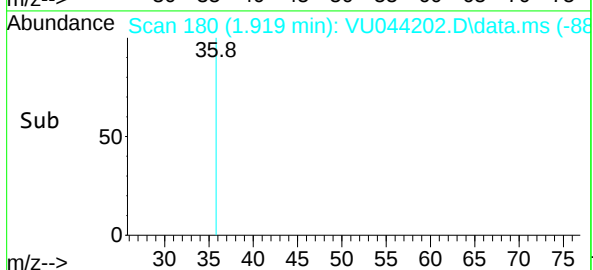
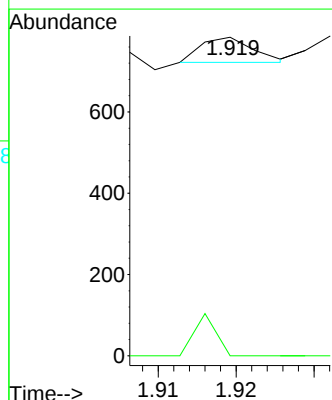
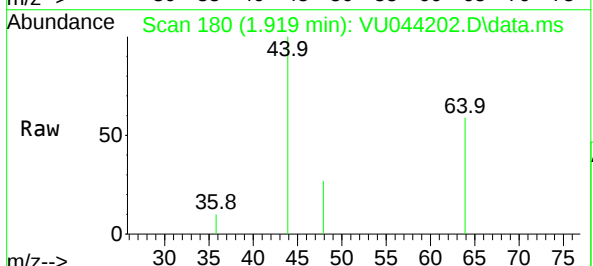
Instrument :
MSVOA_U
ClientSampled :

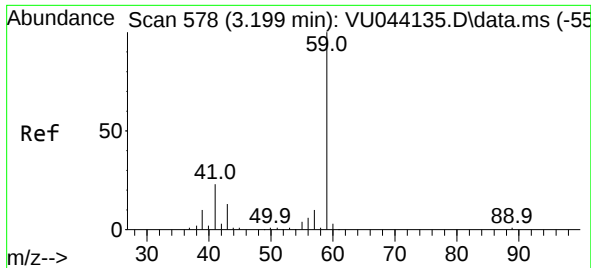
Tgt Ion: 94 Resp: 370
Ion Ratio Lower Upper
94 100
96 100.7 74.1 111.1



#6
Chloroethane
Concen: Below Cal
RT: 1.919 min Scan# 180
Delta R.T. -0.006 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04

Tgt Ion: 64 Resp: 29
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#

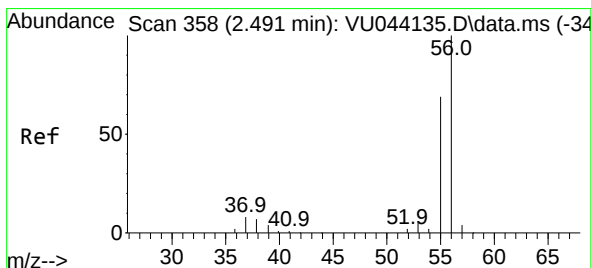
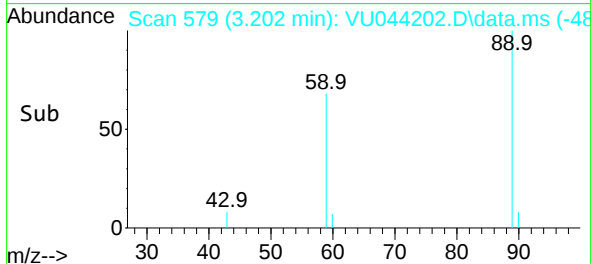
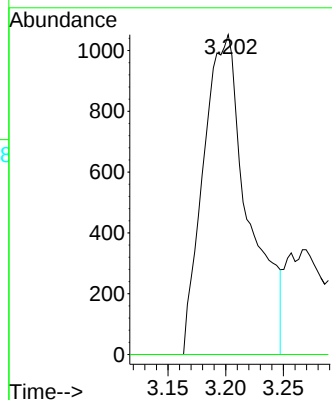
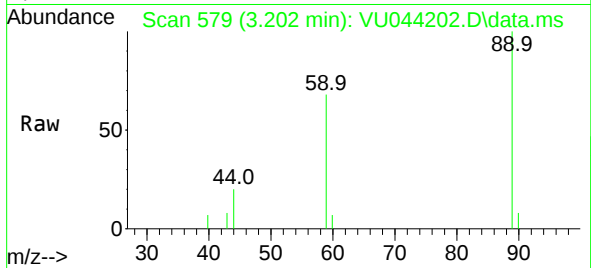




#11
Tert butyl alcohol
Concen: 3.687 ug/l
RT: 3.202 min Scan# 579
Delta R.T. 0.003 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04

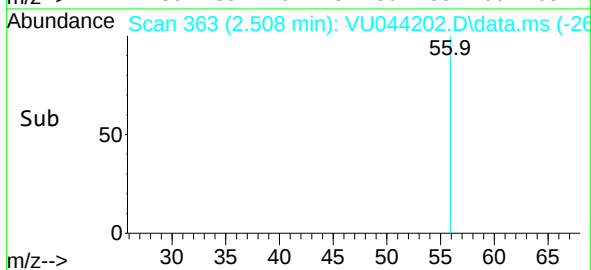
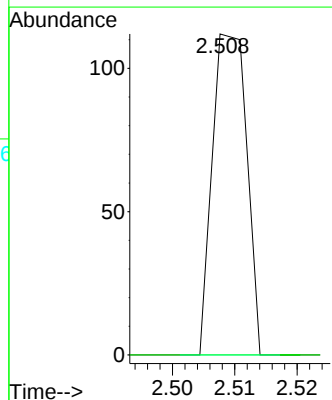
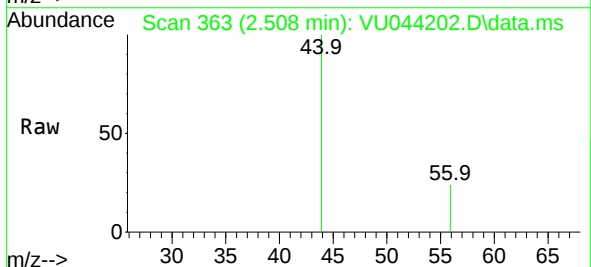
Instrument :
MSVOA_U
ClientSampled :

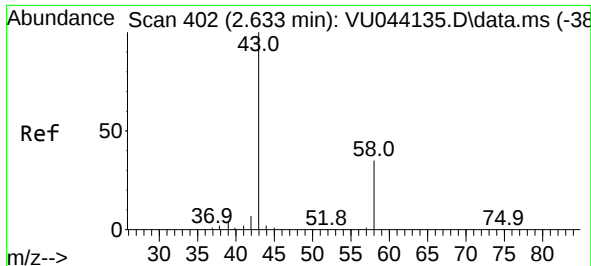
Tgt Ion: 59 Resp: 2840
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: Below Cal
RT: 2.508 min Scan# 363
Delta R.T. 0.017 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04

Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#

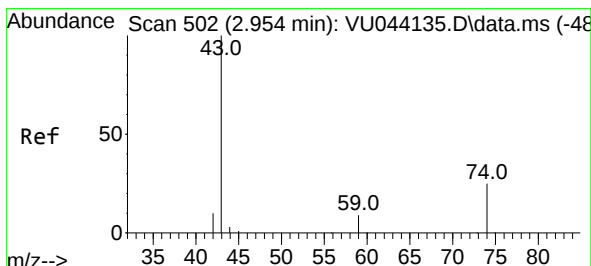
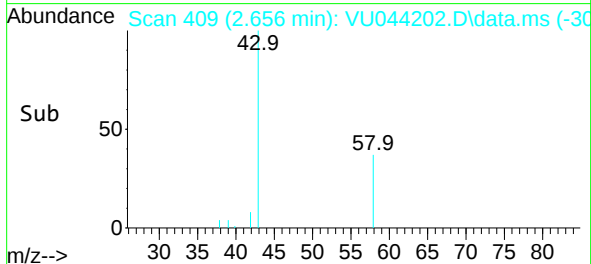
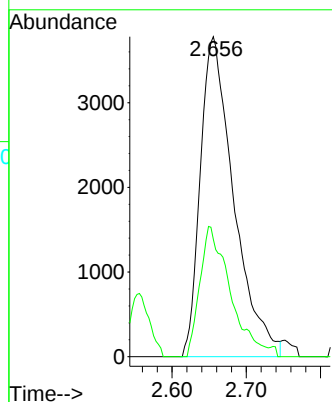
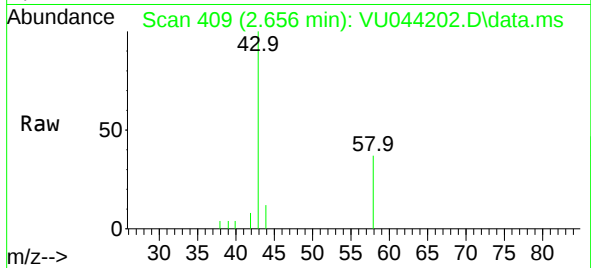




#16
Acetone
Concen: 5.902 ug/l
RT: 2.656 min Scan# 409
Delta R.T. 0.023 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04

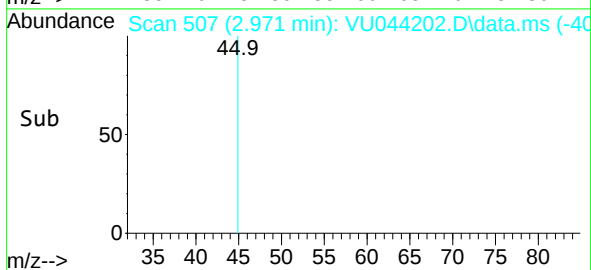
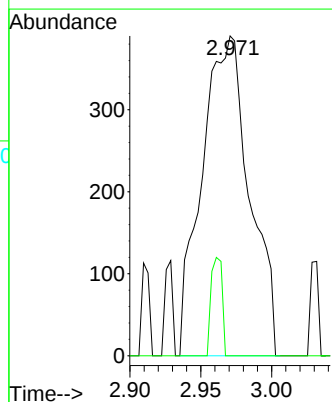
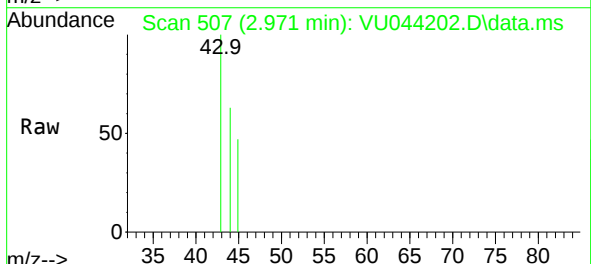
Instrument :
MSVOA_U
ClientSampled :

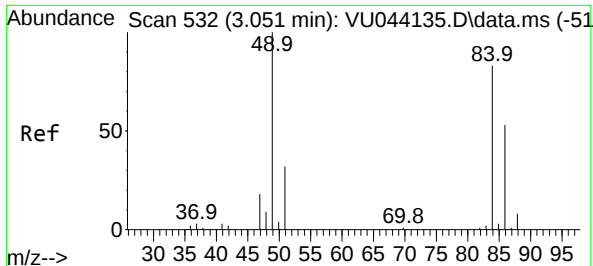
Tgt Ion: 43 Resp: 11818
Ion Ratio Lower Upper
43 100
58 36.7 28.0 42.0



#18
Methyl Acetate
Concen: 0.249 ug/l
RT: 2.971 min Scan# 507
Delta R.T. 0.017 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04

Tgt Ion: 43 Resp: 917
Ion Ratio Lower Upper
43 100
74 7.1 20.3 30.5#





#20

Methylene Chloride

Concen: 5.526 ug/l

RT: 3.057 min Scan# 534

Delta R.T. 0.006 min

Lab File: VU044202.D

Acq: 15 Jun 2021 00:04

Tgt Ion: 84 Resp: 17013

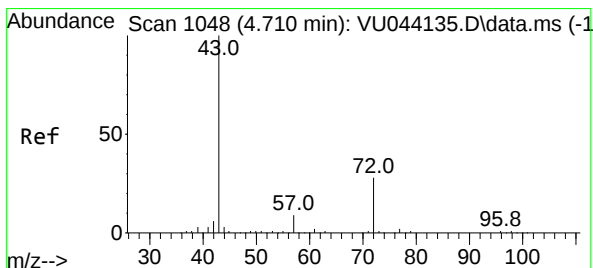
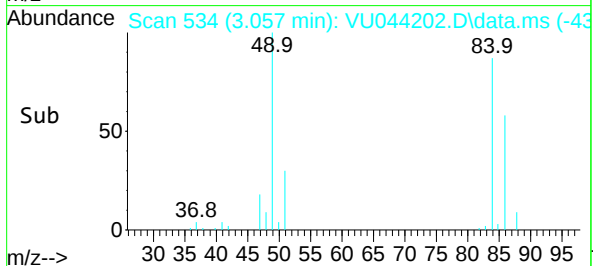
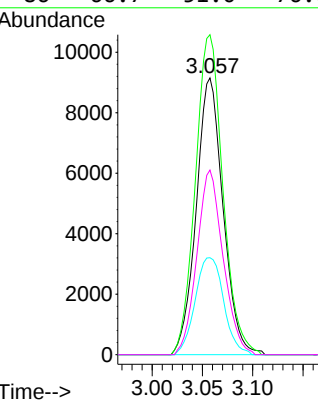
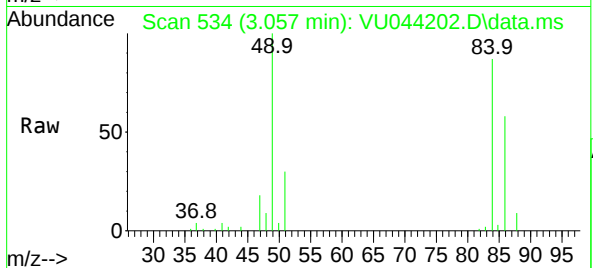
Ion Ratio Lower Upper

84 100

49 115.6 96.9 145.3

51 35.1 31.0 46.6

86 66.7 51.0 76.6



#25

2-Butanone

Concen: 4.333 ug/l

RT: 4.723 min Scan# 1052

Delta R.T. 0.013 min

Lab File: VU044202.D

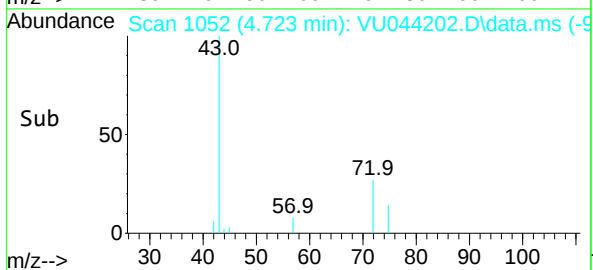
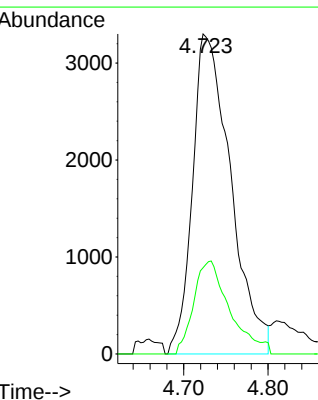
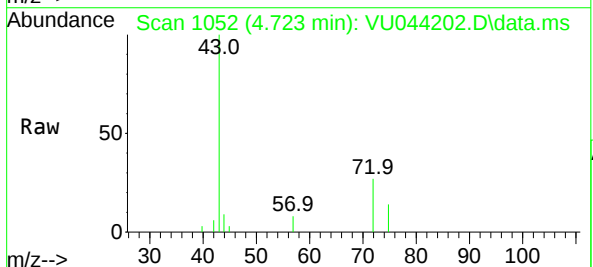
Acq: 15 Jun 2021 00:04

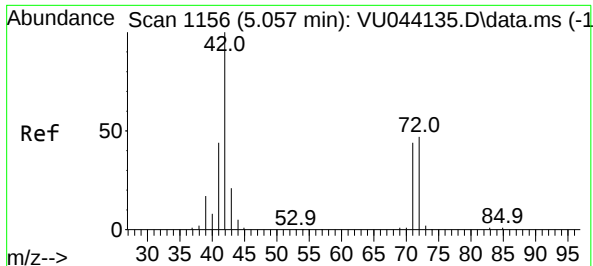
Tgt Ion: 43 Resp: 10357

Ion Ratio Lower Upper

43 100

72 27.0 22.6 33.8





#29

Tetrahydrofuran

Concen: 0.610 ug/l

RT: 5.080 min Scan# 1163

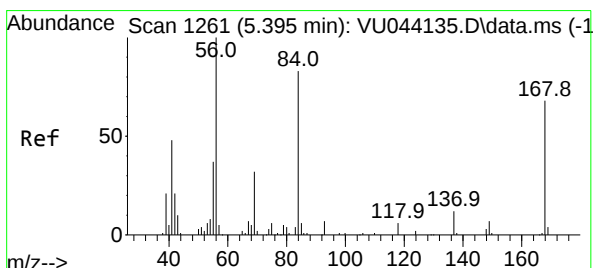
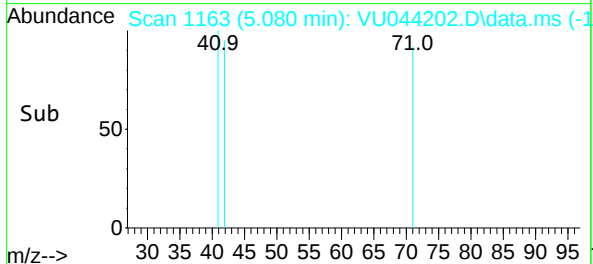
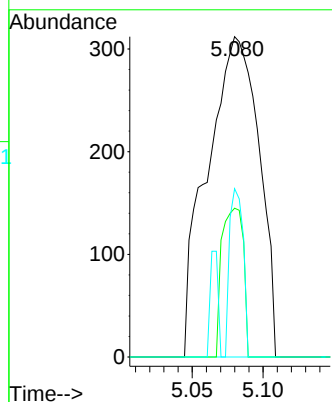
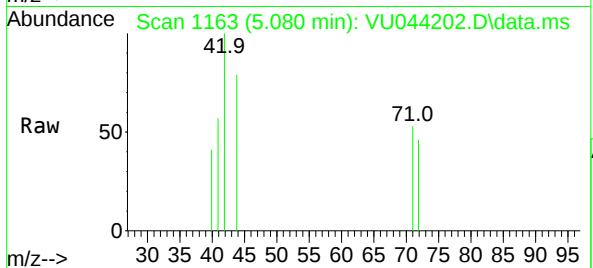
Delta R.T. 0.023 min

Lab File: VU044202.D

Acq: 15 Jun 2021 00:04

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:	42	Resp:	792
Ion	Ratio	Lower	Upper
42	100		
72	19.2	38.6	57.8#
71	13.9	35.5	53.3#



#31

Cyclohexane

Concen: 0.992 ug/l

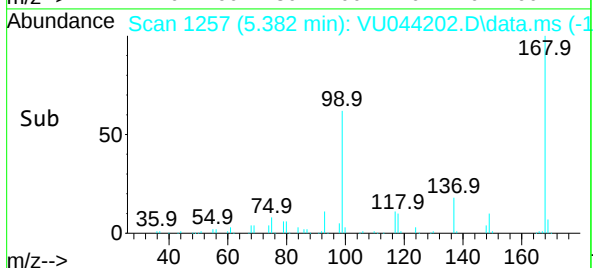
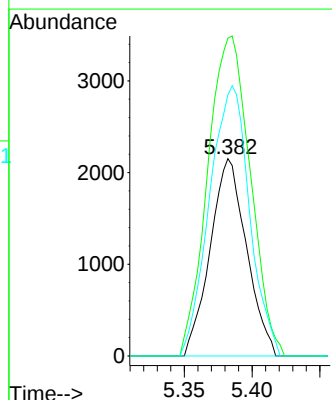
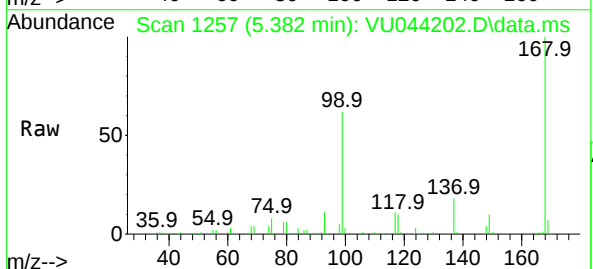
RT: 5.382 min Scan# 1257

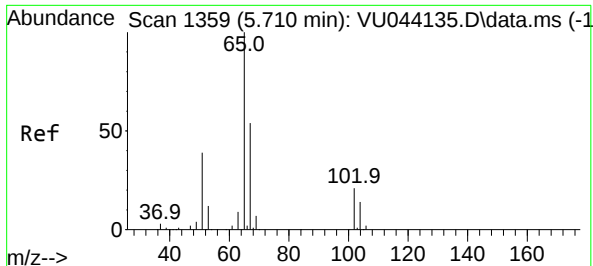
Delta R.T. -0.013 min

Lab File: VU044202.D

Acq: 15 Jun 2021 00:04

Tgt Ion:	56	Resp:	4011
Ion	Ratio	Lower	Upper
56	100		
69	161.1	25.5	38.3#
84	132.4	66.3	99.5#

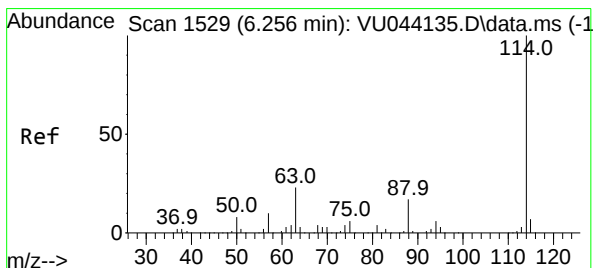
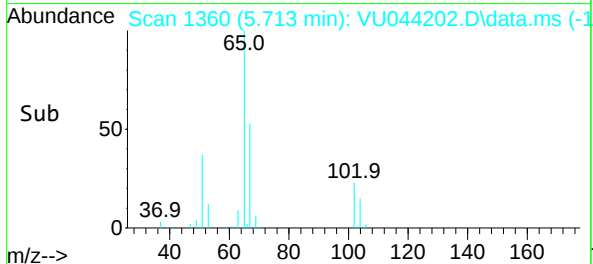
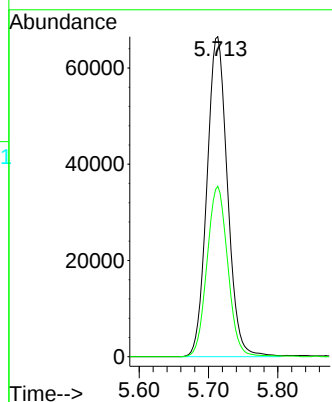
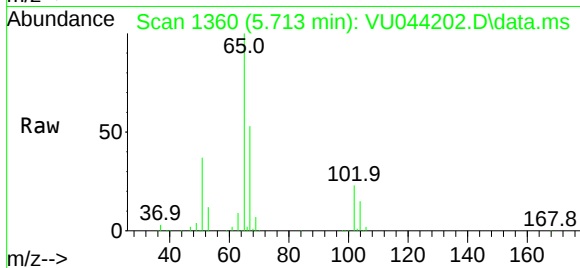




#33
1,2-Dichloroethane-d4
Concen: 47.754 ug/l
RT: 5.713 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04

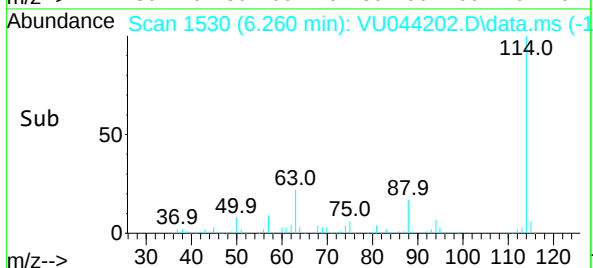
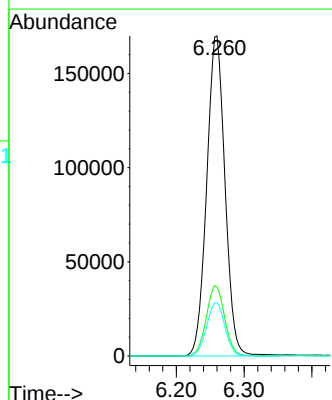
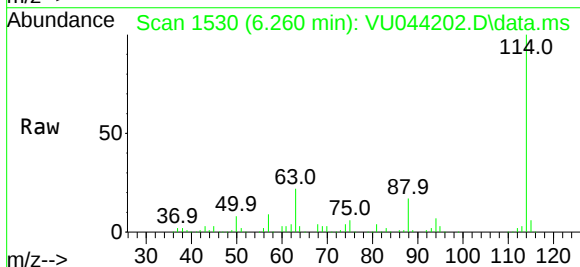
Instrument :
MSVOA_U
ClientSampleId :

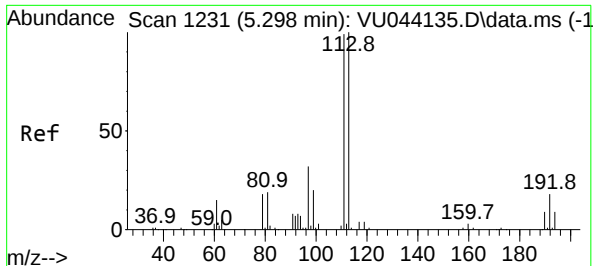
Tgt Ion: 65 Resp: 136751
Ion Ratio Lower Upper
65 100
67 53.9 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.260 min Scan# 1530
Delta R.T. 0.004 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04

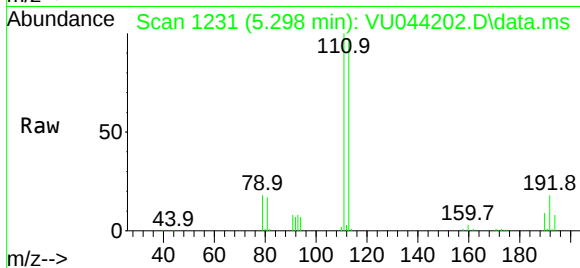
Tgt Ion: 114 Resp: 318625
Ion Ratio Lower Upper
114 100
63 21.6 0.0 45.8
88 16.6 0.0 34.0



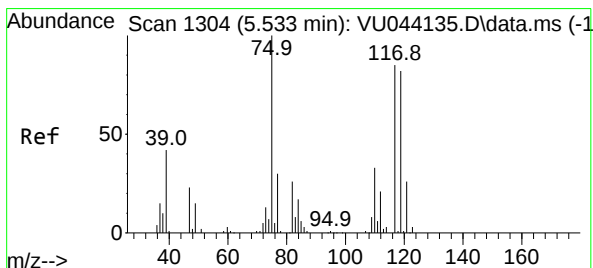
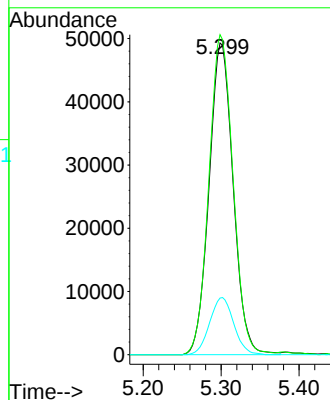
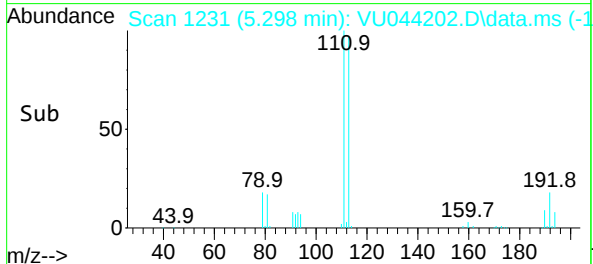


#35
Dibromofluoromethane
Concen: 47.753 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04

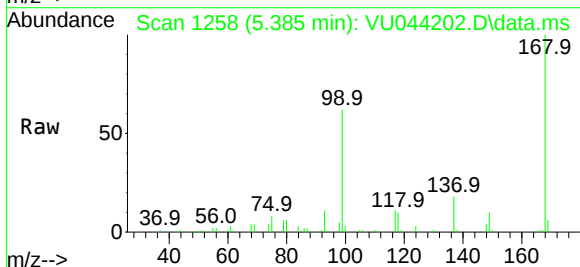
Instrument :
MSVOA_U
ClientSampleId :



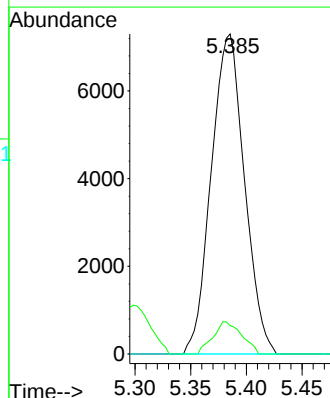
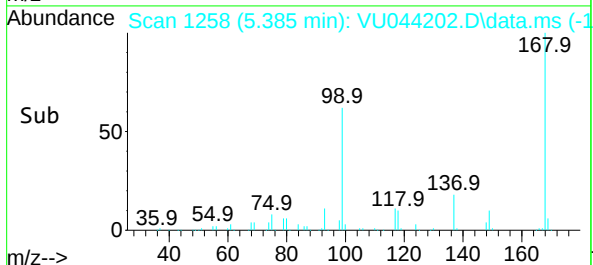
Tgt Ion:113 Resp: 105842
Ion Ratio Lower Upper
113 100
111 102.8 81.0 121.4
192 18.4 14.3 21.5

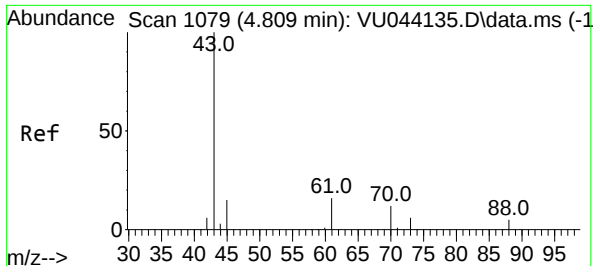


#36
1,1-Dichloropropene
Concen: 4.273 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04



Tgt Ion: 75 Resp: 15146
Ion Ratio Lower Upper
75 100
110 8.7 16.4 49.4#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.440 ug/l

RT: 4.723 min Scan# 1052

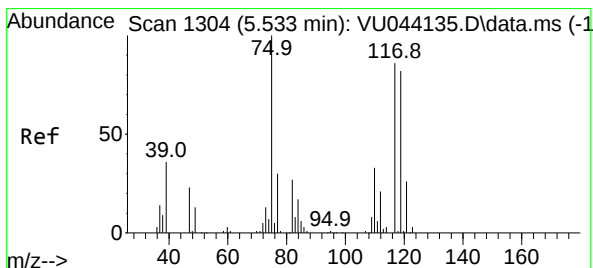
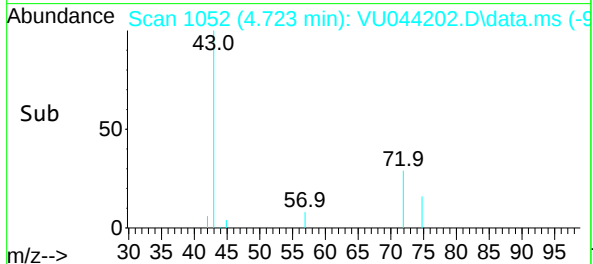
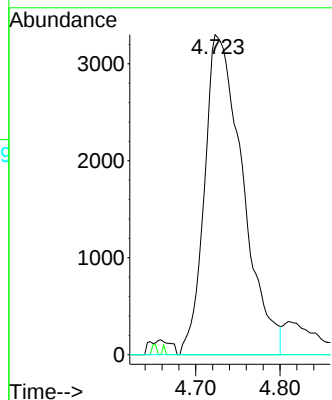
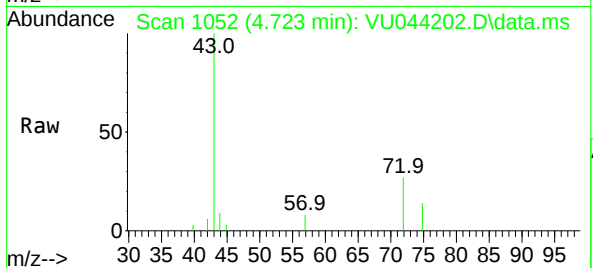
Delta R.T. -0.086 min

Lab File: VU044202.D

Acq: 15 Jun 2021 00:04

Tgt Ion:	43	Resp:	10357
Ion Ratio	Lower	Upper	
43	100		
61	0.0	11.9	17.9#
70	0.0	9.4	14.0#

Instrument :
MSVOA_U
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.942 ug/l

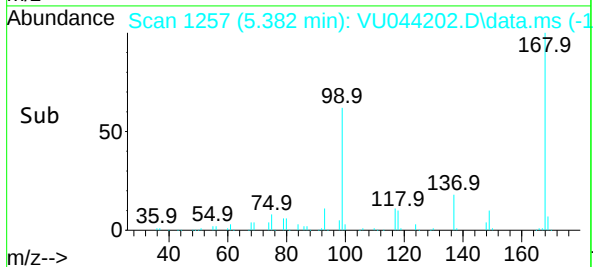
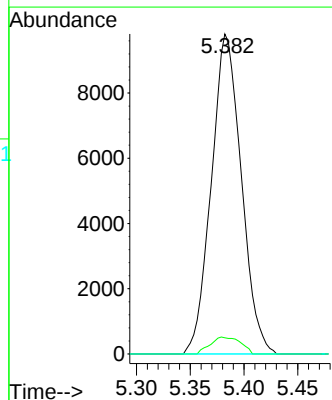
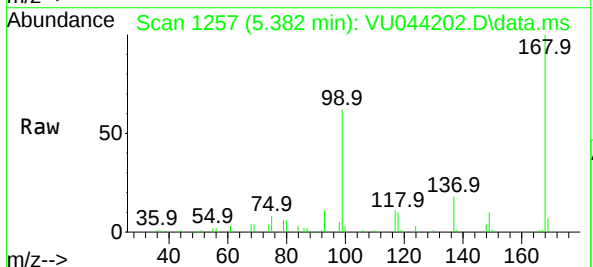
RT: 5.382 min Scan# 1257

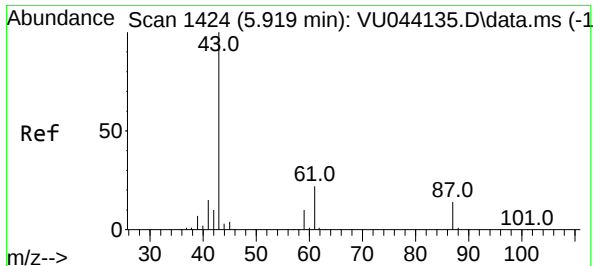
Delta R.T. -0.151 min

Lab File: VU044202.D

Acq: 15 Jun 2021 00:04

Tgt Ion:	117	Resp:	19017
Ion Ratio	Lower	Upper	
117	100		
119	5.1	76.6	114.8#
121	0.0	24.6	36.8#

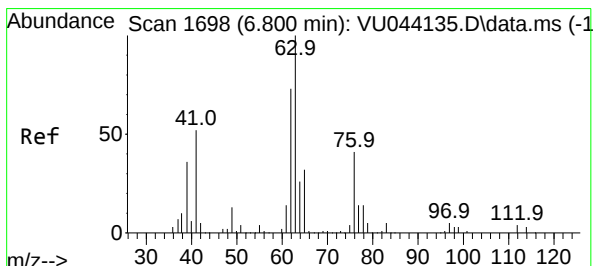
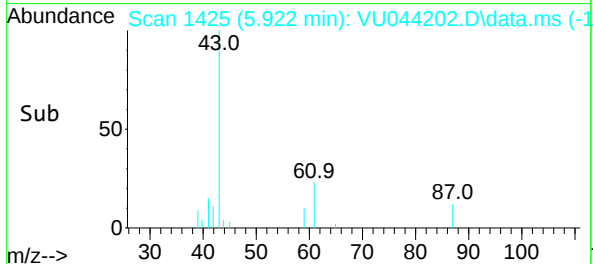
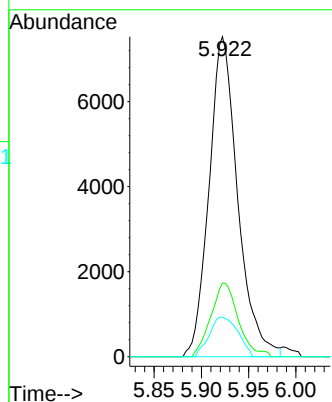
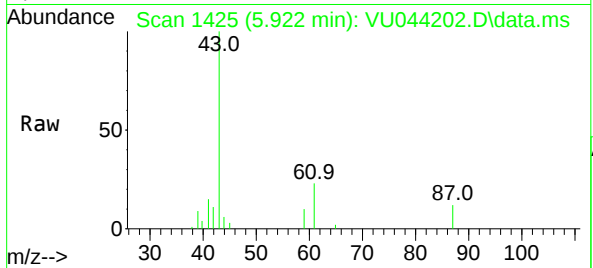




#43
Isopropyl Acetate
Concen: 2.635 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04

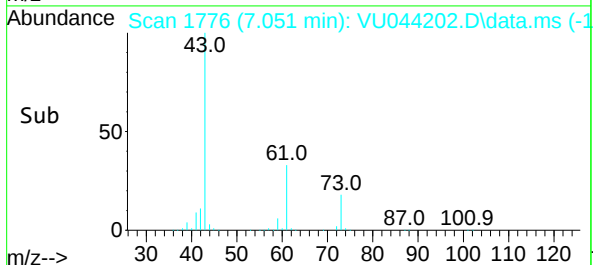
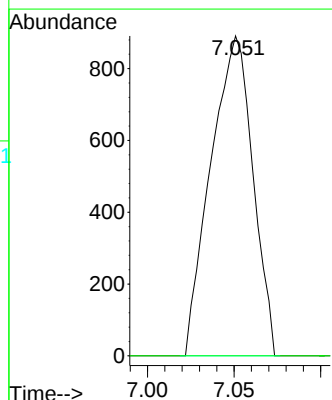
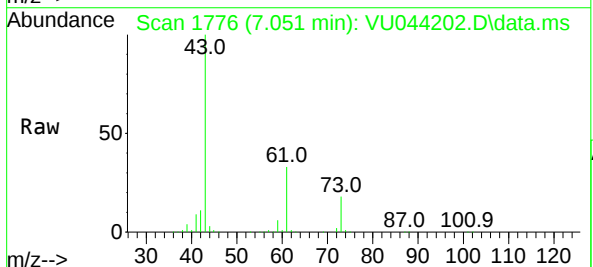
Instrument :
MSVOA_U
ClientSampled :

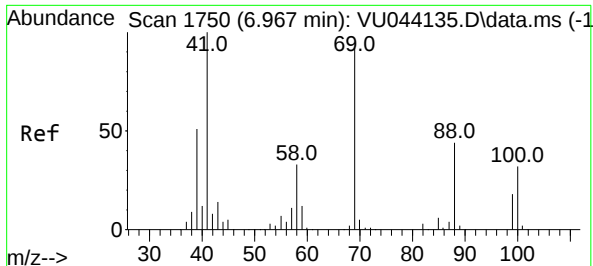
Tgt Ion: 43	Resp: 15873
Ion Ratio	Lower Upper
43 100	
61 22.1	17.8 26.8
87 12.3	11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.528 ug/l
RT: 7.051 min Scan# 1776
Delta R.T. 0.251 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04

Tgt Ion: 63	Resp: 1506
Ion Ratio	Lower Upper
63 100	
65 0.0	25.7 38.5#





#48

Methyl methacrylate

Concen: 2.488 ug/l

RT: 6.906 min Scan# 1731

Delta R.T. -0.061 min

Lab File: VU044202.D

Acq: 15 Jun 2021 00:04

Tgt Ion: 41 Resp: 7291

Ion Ratio Lower Upper

41 100

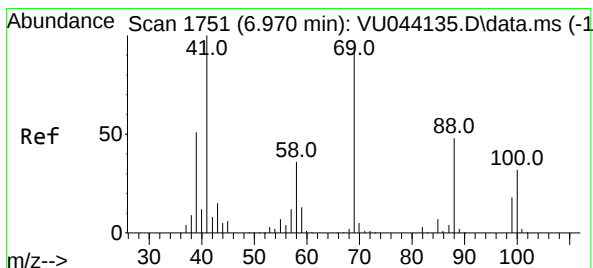
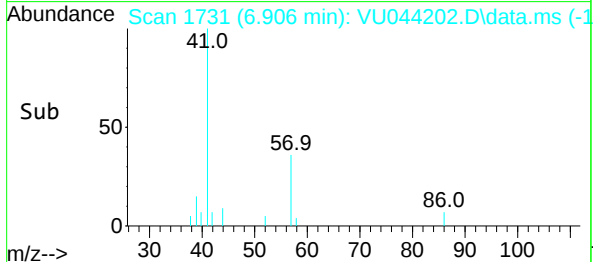
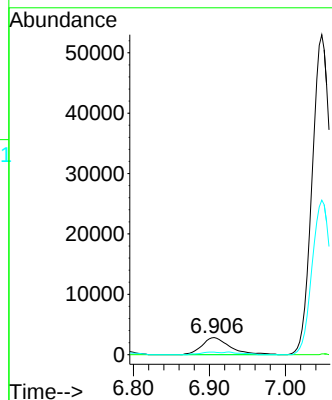
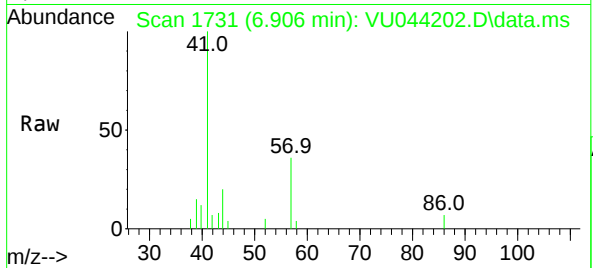
69 0.0 74.0 111.0#

39 0.0 41.5 62.3#

Instrument :

MSVOA_U

ClientSampled :



#49

1,4-Dioxane

Concen: 0.952 ug/l

RT: 7.051 min Scan# 1776

Delta R.T. 0.081 min

Lab File: VU044202.D

Acq: 15 Jun 2021 00:04

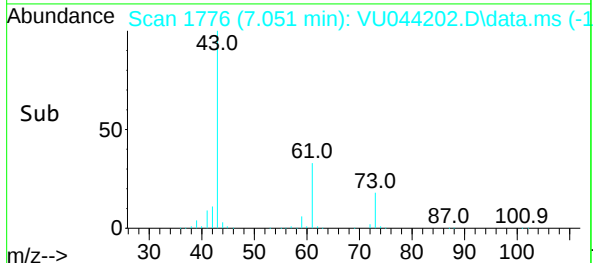
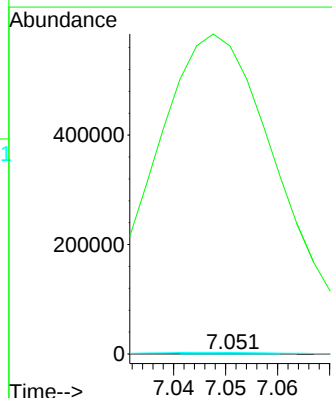
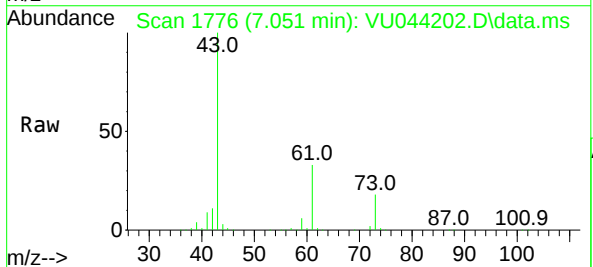
Tgt Ion: 88 Resp: 73

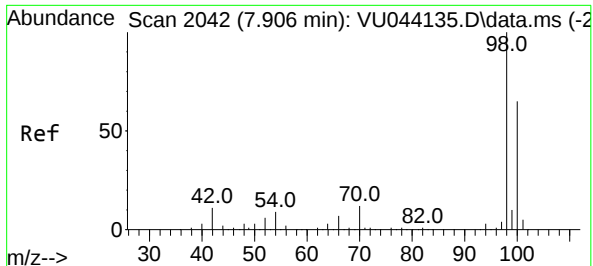
Ion Ratio Lower Upper

88 100

43 1467178.1 23.4 35.0#

58 7532.9 58.1 87.1#





#50

Toluene-d8

Concen: 48.649 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. 0.000 min

Lab File: VU044202.D

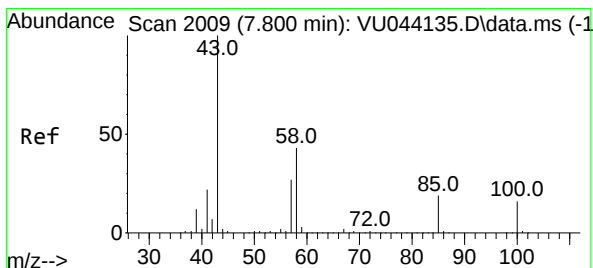
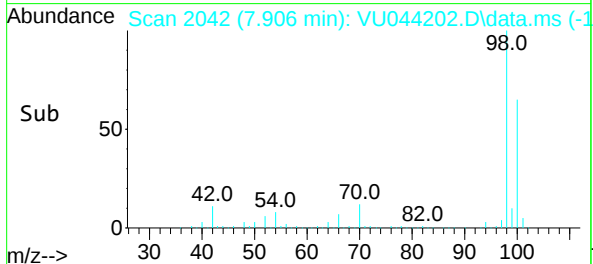
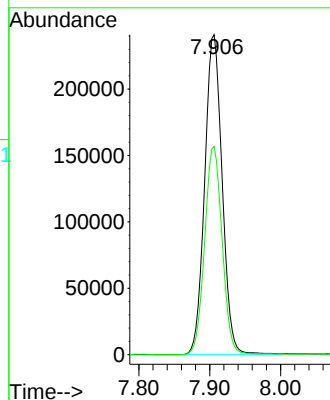
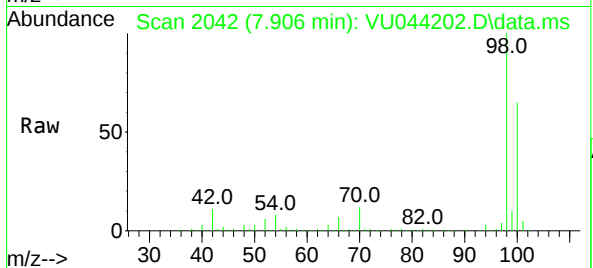
Acq: 15 Jun 2021 00:04

Tgt Ion: 98 Resp: 414108

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 1.369 ug/l

RT: 7.800 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VU044202.D

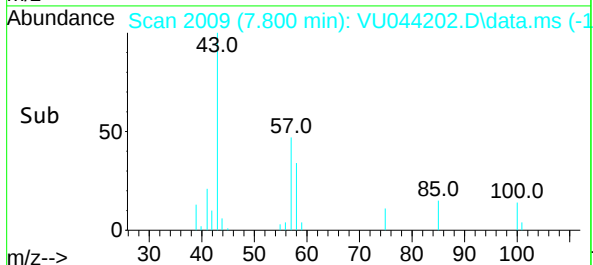
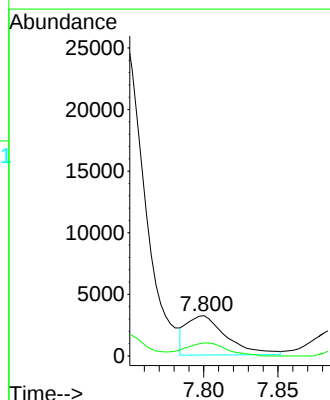
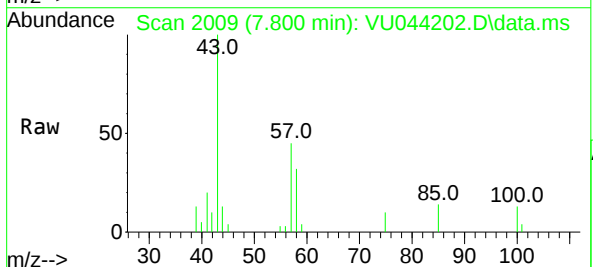
Acq: 15 Jun 2021 00:04

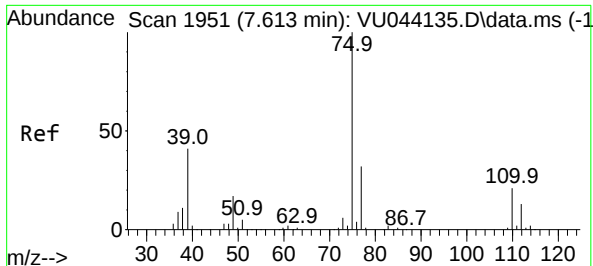
Tgt Ion: 43 Resp: 5967

Ion Ratio Lower Upper

43 100

58 34.1 34.5 51.7#

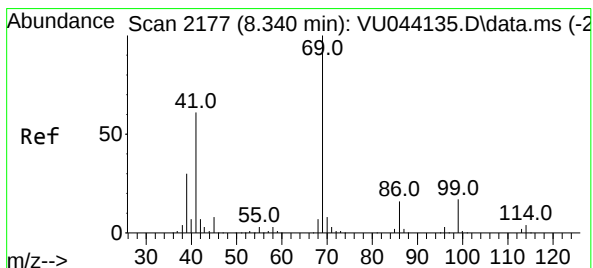
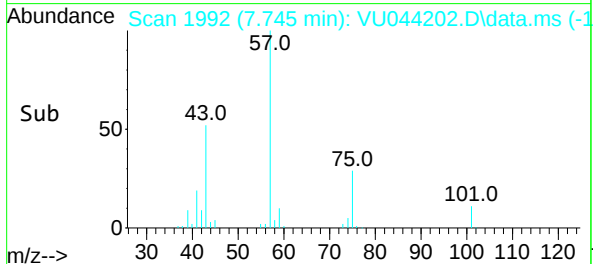
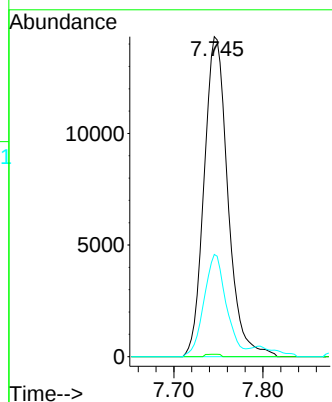
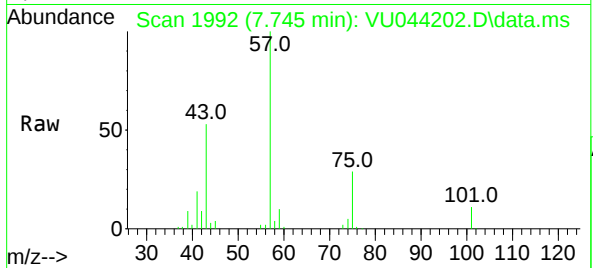




#54
 cis-1,3-Dichloropropene
 Concen: 6.215 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044202.D
 Acq: 15 Jun 2021 00:04

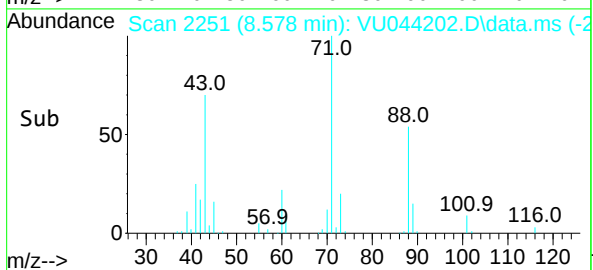
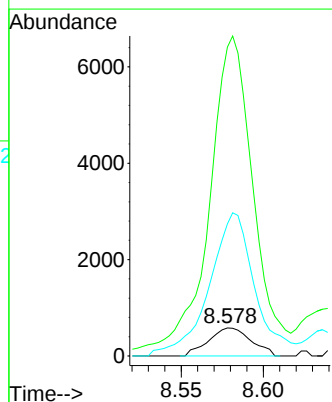
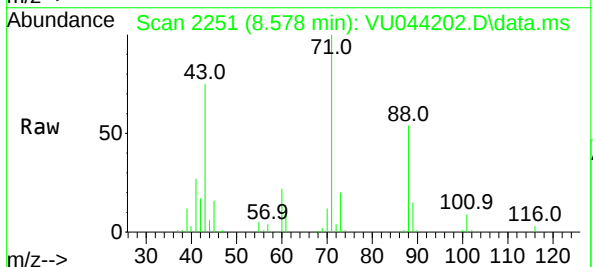
Instrument :
 MSVOA_U
 ClientSampleId :

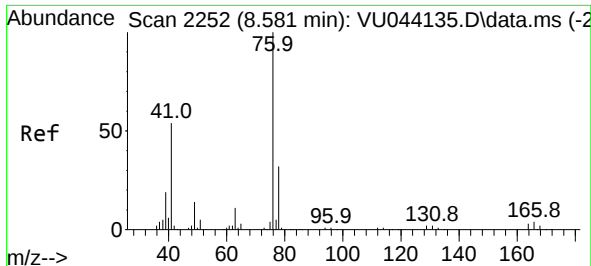
Tgt Ion: 75 Resp: 26553
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.9 38.9#
 39 32.0 33.2 49.8#



#56
 Ethyl methacrylate
 Concen: 0.262 ug/l
 RT: 8.578 min Scan# 2251
 Delta R.T. 0.238 min
 Lab File: VU044202.D
 Acq: 15 Jun 2021 00:04

Tgt Ion: 69 Resp: 1048
 Ion Ratio Lower Upper
 69 100
 41 1114.5 48.4 72.6#
 39 546.2 23.6 35.4#





#57

1,3-Dichloropropane

Concen: 4.266 ug/l

RT: 8.732 min Scan# 2299

Delta R.T. 0.151 min

Lab File: VU044202.D

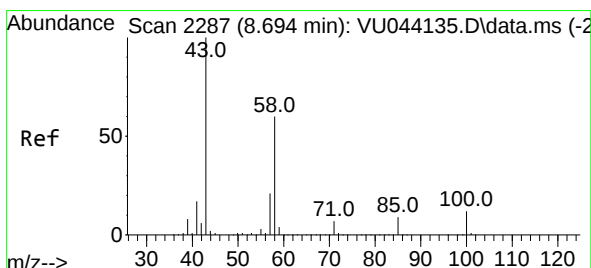
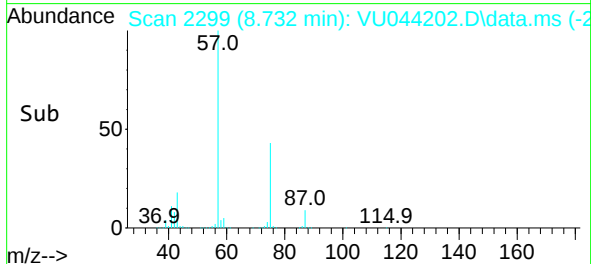
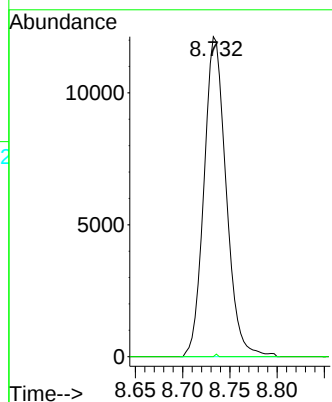
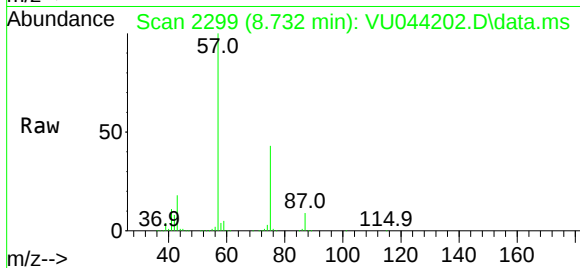
Acq: 15 Jun 2021 00:04

Tgt Ion: 76 Resp: 19794

Ion Ratio Lower Upper

76 100

78 0.1 25.9 38.9#



#59

2-Hexanone

Concen: 73.793 ug/l

RT: 8.736 min Scan# 2300

Delta R.T. 0.042 min

Lab File: VU044202.D

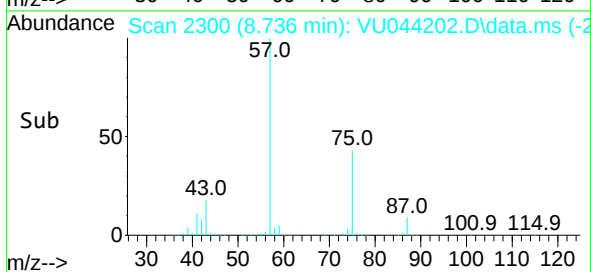
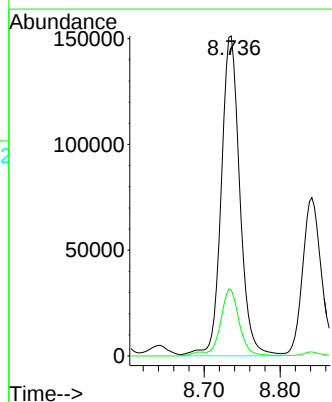
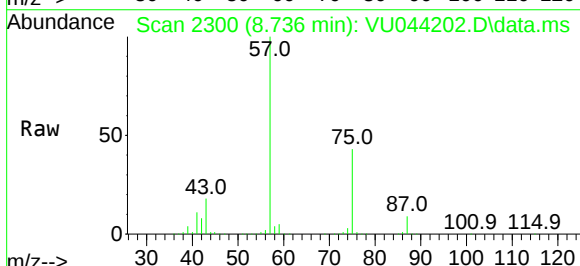
Acq: 15 Jun 2021 00:04

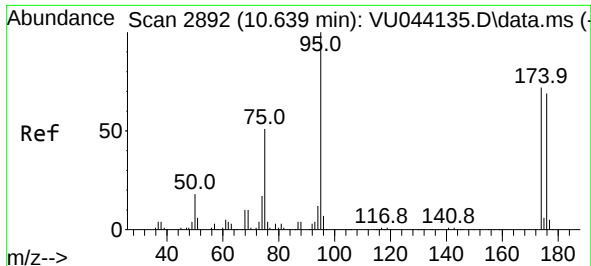
Tgt Ion: 43 Resp: 256718

Ion Ratio Lower Upper

43 100

58 20.3 30.0 90.1#

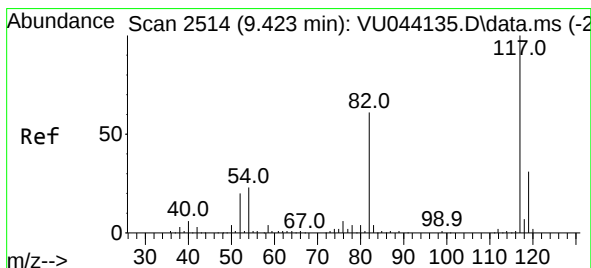
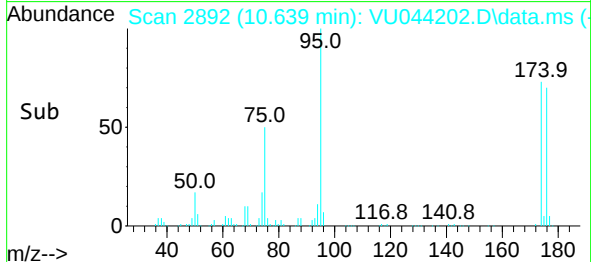
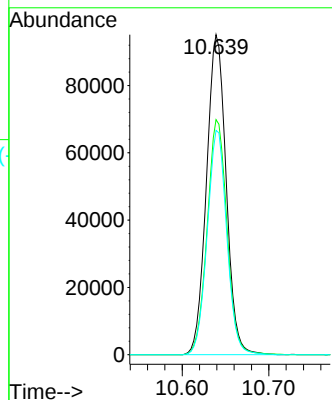
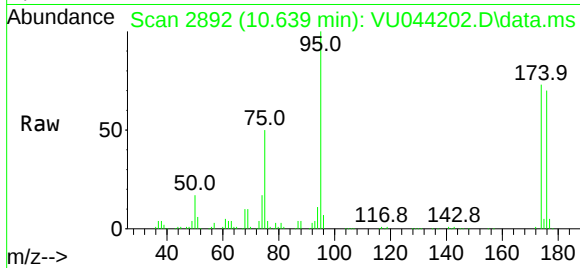




#62
4-Bromofluorobenzene
Concen: 44.003 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.000 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04

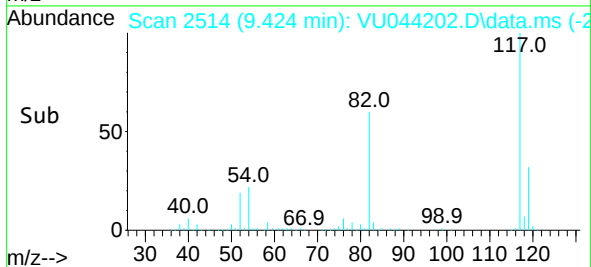
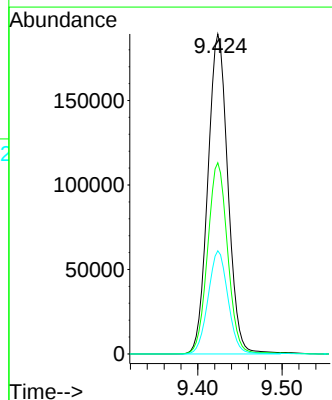
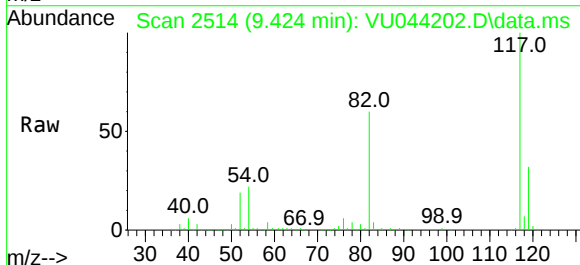
Instrument :
MSVOA_U
ClientSampleId :

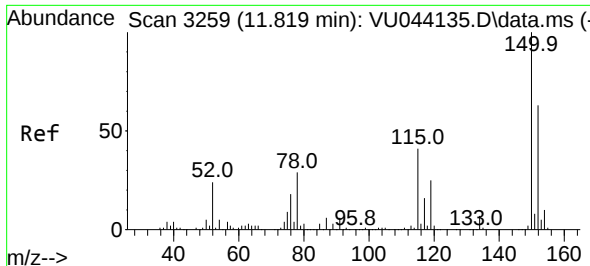
Tgt Ion: 95 Resp: 150105
Ion Ratio Lower Upper
95 100
174 74.2 0.0 144.4
176 69.7 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.424 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04

Tgt Ion: 117 Resp: 313778
Ion Ratio Lower Upper
117 100
82 59.7 48.8 73.2
119 32.3 25.0 37.6

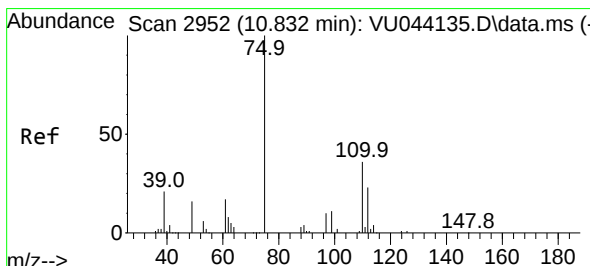
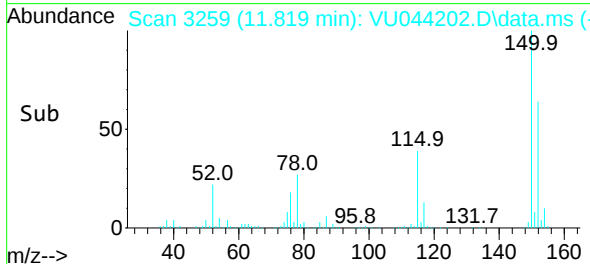
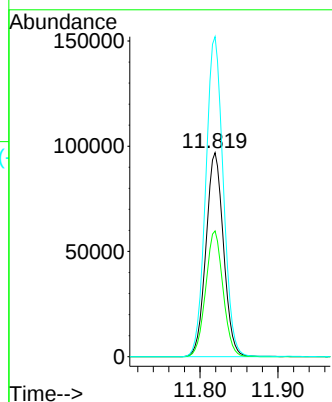
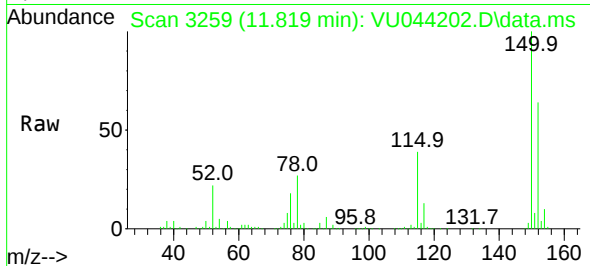




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.000 min
 Lab File: VU044202.D
 Acq: 15 Jun 2021 00:04

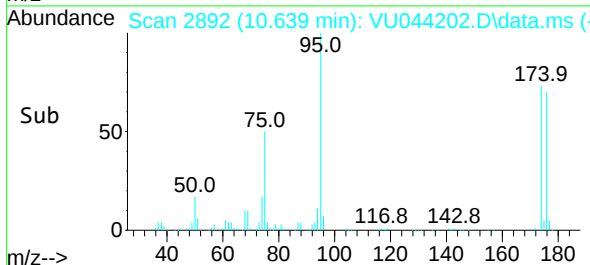
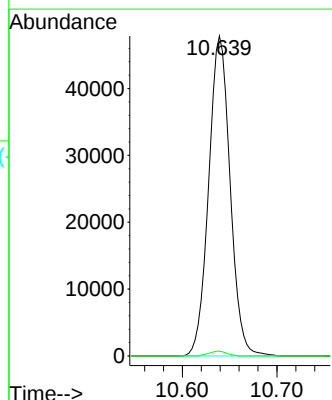
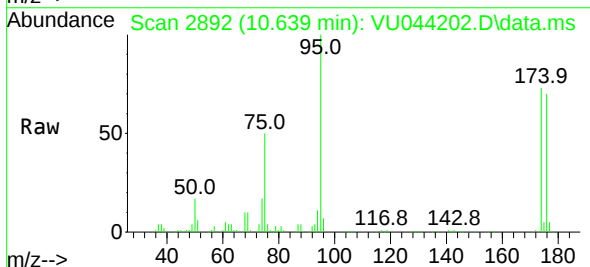
Instrument :
 MSVOA_U
 ClientSampled :

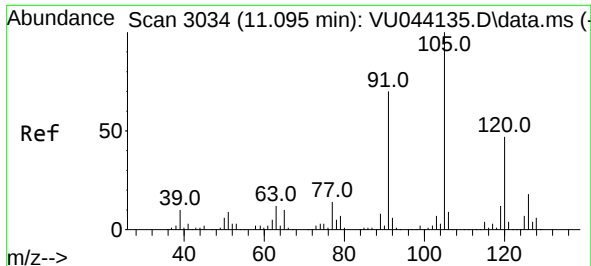
Tgt Ion:152 Resp: 151429
 Ion Ratio Lower Upper
 152 100
 115 61.0 43.8 131.3
 150 157.0 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 14.858 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044202.D
 Acq: 15 Jun 2021 00:04

Tgt Ion: 75 Resp: 75435
 Ion Ratio Lower Upper
 75 100
 77 1.3 14.9 44.5#

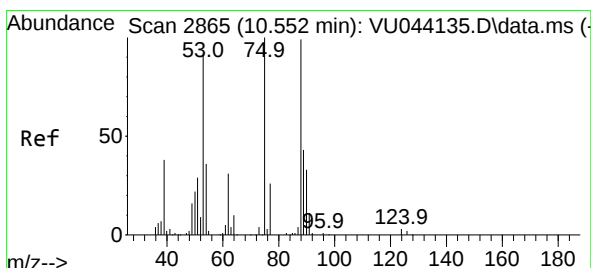
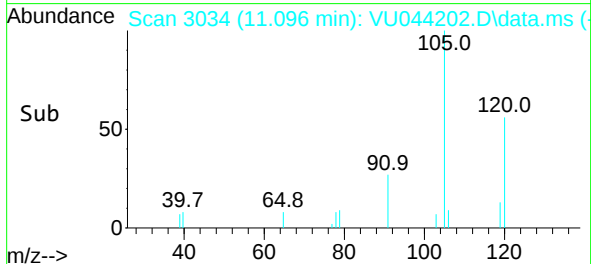
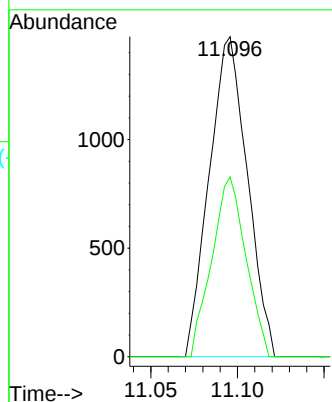
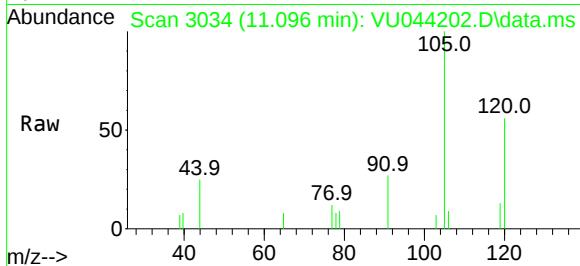




#80
1,3,5-Trimethylbenzene
Concen: 0.249 ug/l
RT: 11.096 min Scan# 3034
Delta R.T. 0.001 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04

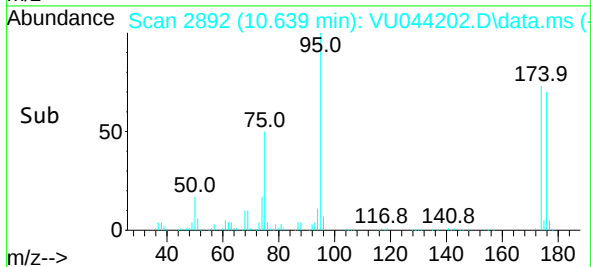
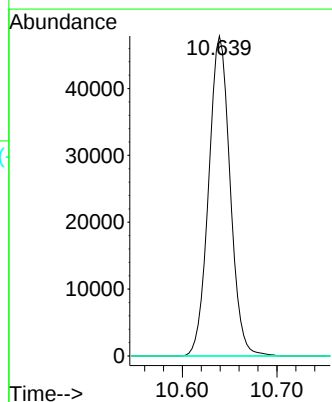
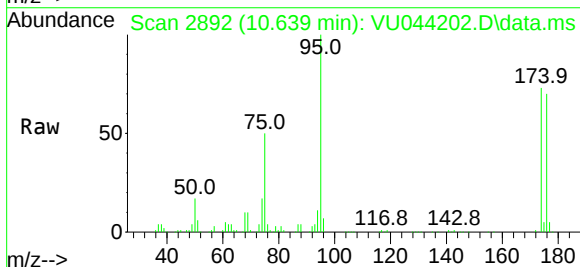
Instrument :
MSVOA_U
ClientSampled :

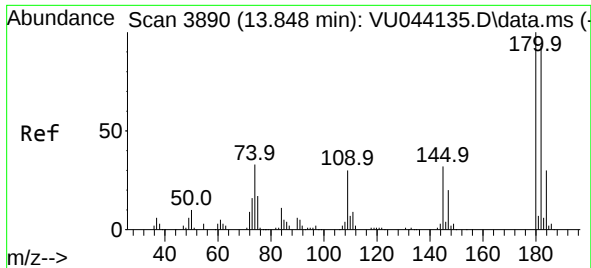
Tgt Ion:105 Resp: 2250
Ion Ratio Lower Upper
105 100
120 50.3 23.5 70.5



#81
trans-1,4-Dichloro-2-butene
Concen: 53.860 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04

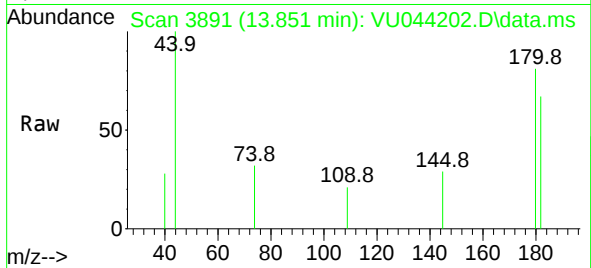
Tgt Ion: 75 Resp: 75435
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#



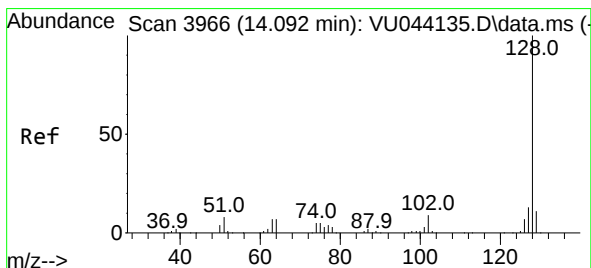
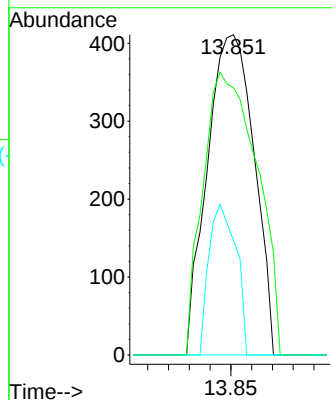
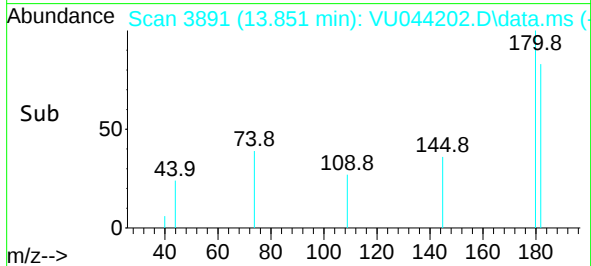


#93
1,2,4-Trichlorobenzene
Concen: 0.203 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.003 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04

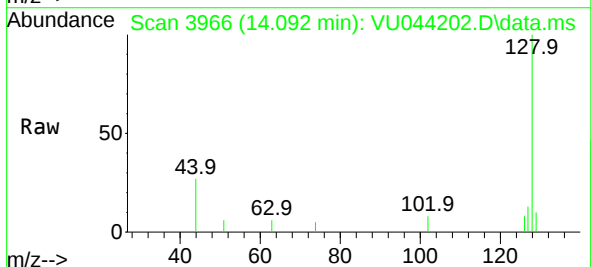
Instrument :
MSVOA_U
ClientSampled :



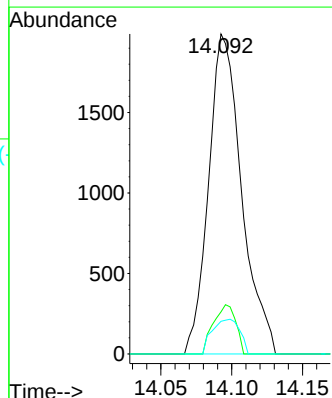
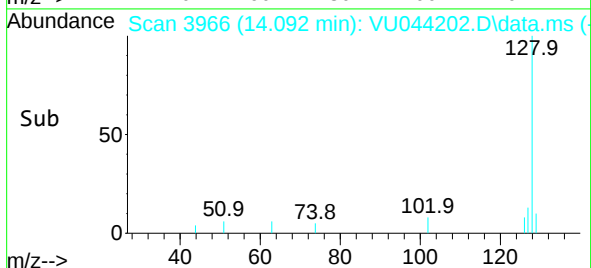
Tgt Ion:180 Resp: 643
Ion Ratio Lower Upper
180 100
182 101.7 47.3 141.8
145 27.4 16.1 48.2

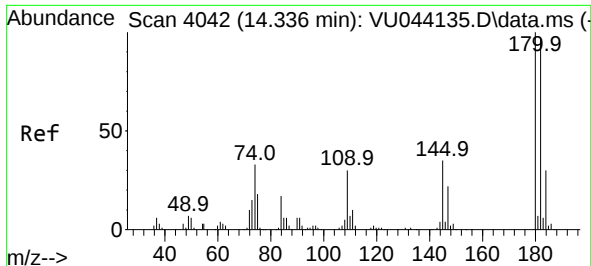


#95
Naphthalene
Concen: 3.121 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.000 min
Lab File: VU044202.D
Acq: 15 Jun 2021 00:04



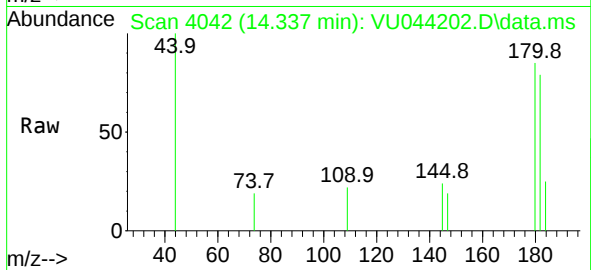
Tgt Ion:128 Resp: 3221
Ion Ratio Lower Upper
128 100
127 10.4 10.2 15.2
129 9.0 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.223 ug/l
 RT: 14.337 min Scan# 4042
 Delta R.T. 0.001 min
 Lab File: VU044202.D
 Acq: 15 Jun 2021 00:04

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	684
Ion	Ratio	Lower	Upper
180	100		
182	104.4	47.9	143.7
145	21.6	17.2	51.6

