

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044938.D
 Acq On : 28 Sep 2021 13:56
 Operator : SY/MD
 Sample : VU0928WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBL01

Quant Time: Sep 28 15:53:06 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)

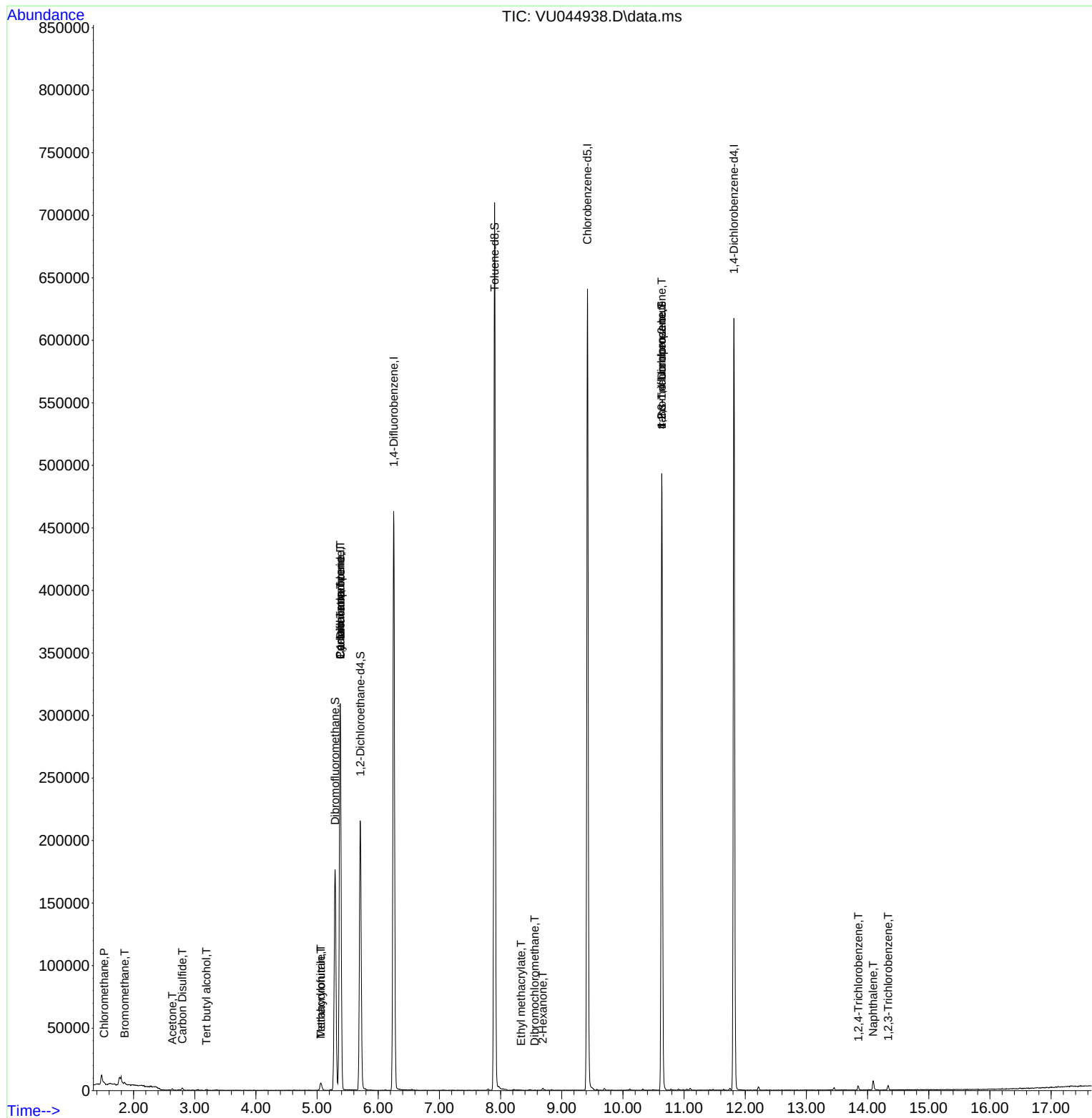
Internal Standards						
1) Pentafluorobenzene	5.378	168	204456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	359508	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	333928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	150236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	160711	47.220	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.440%
35) Dibromofluoromethane	5.295	113	111853	49.320	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.640%
50) Toluene-d8	7.902	98	453657	50.627	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.260%
62) 4-Bromofluorobenzene	10.635	95	163514	44.199	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	715	0.218	ug/l	91
5) Bromomethane	1.854	94	984	0.766	ug/l	100
11) Tert butyl alcohol	3.192	59	458	0.469	ug/l #	72
16) Acetone	2.632	43	1217	0.602	ug/l	97
17) Carbon Disulfide	2.796	76	2155	0.301	ug/l #	82
29) Tetrahydrofuran	5.063	42	3882	2.272	ug/l	93
31) Cyclohexane	5.378	56	5526	1.069	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	18674	4.967	ug/l #	49
38) Carbon Tetrachloride	5.378	117	21420	6.584	ug/l #	15
41) Methacrylonitrile	5.060	41	2362	0.922	ug/l #	46
56) Ethyl methacrylate	8.336	69	83	1.835	ug/l #	24
59) 2-Hexanone	8.690	43	1371	0.309	ug/l	89
60) Dibromochloromethane	8.555	129	75	2.199	ug/l #	10
76) 1,2,3-Trichloropropane	10.635	75	87276	19.916	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	87276	55.271	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.847	180	1285	0.436	ug/l	99
95) Naphthalene	14.092	128	7310	0.659	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.336	180	1438	0.486	ug/l	93

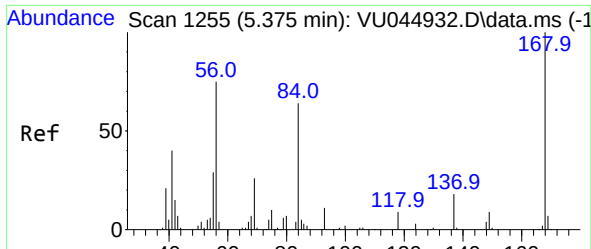
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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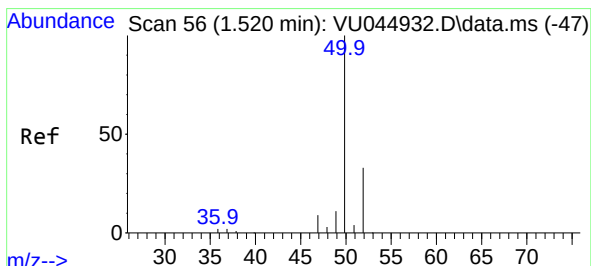
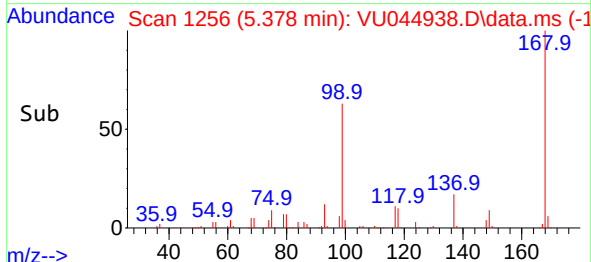
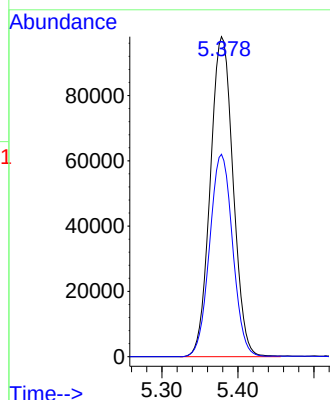
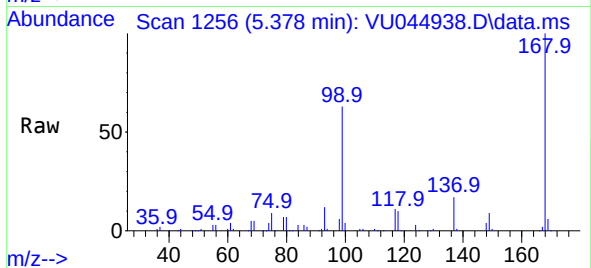




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

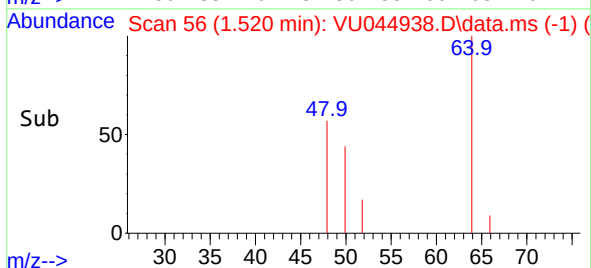
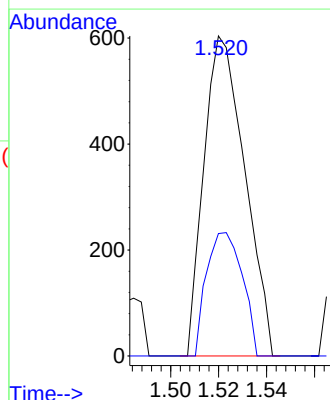
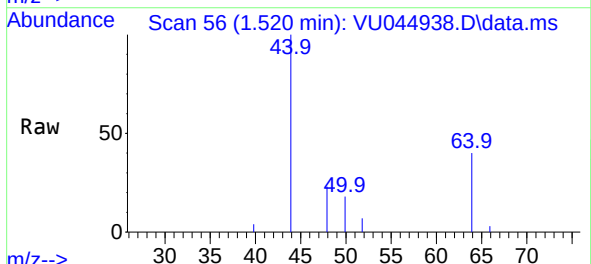
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL01

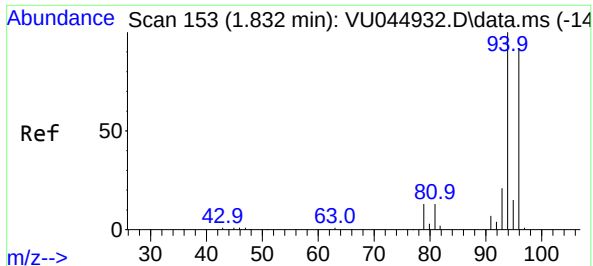
Tgt Ion:168 Resp: 204456
Ion Ratio Lower Upper
168 100
99 63.3 51.4 77.0



#3
Chloromethane
Concen: 0.218 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

Tgt Ion: 50 Resp: 715
Ion Ratio Lower Upper
50 100
52 38.2 26.3 39.5

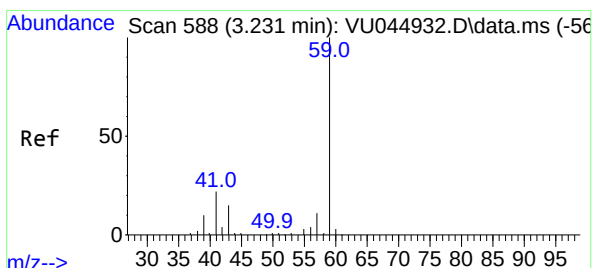
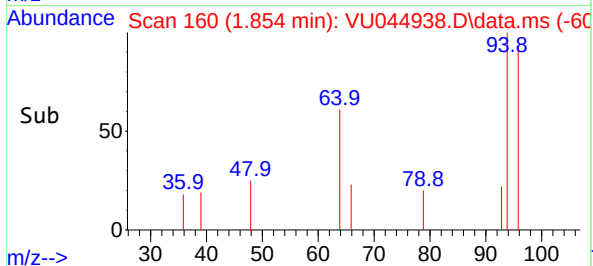
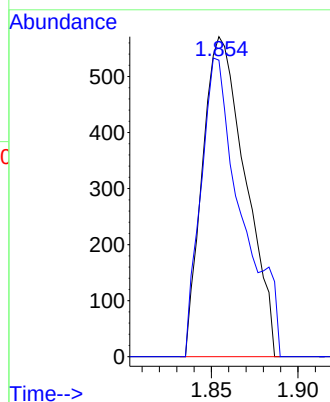
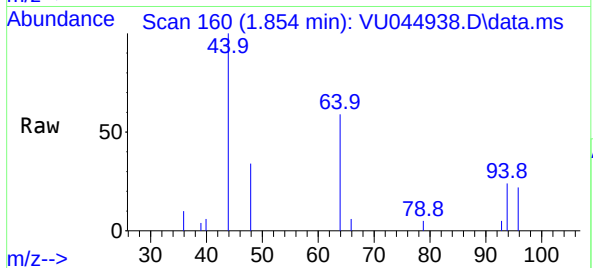




#5
Bromomethane
Concen: 0.766 ug/l
RT: 1.854 min Scan# 1
Delta R.T. 0.022 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

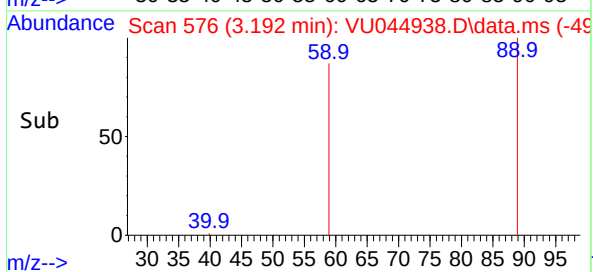
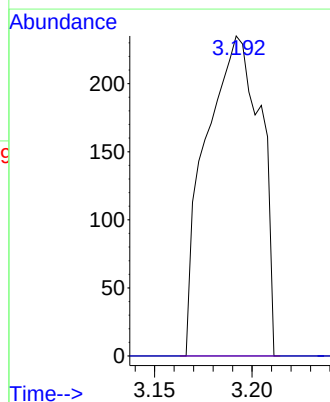
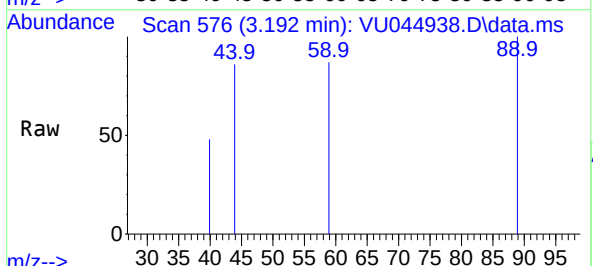
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL01

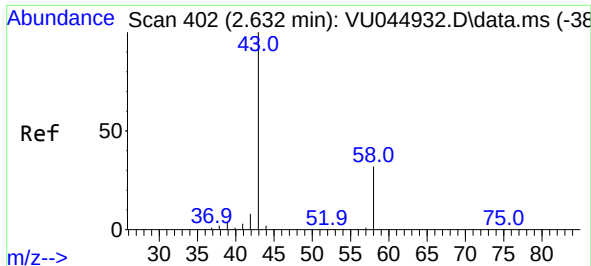
Tgt Ion: 94 Resp: 984
Ion Ratio Lower Upper
94 100
96 92.6 74.5 111.7



#11
Tert butyl alcohol
Concen: 0.469 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.039 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

Tgt Ion: 59 Resp: 458
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

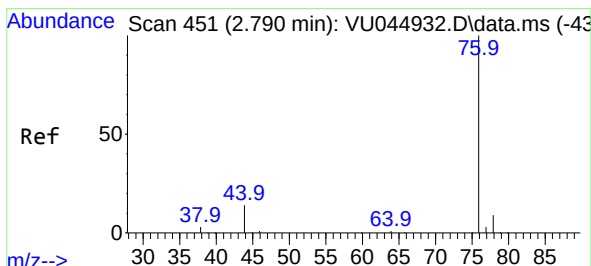
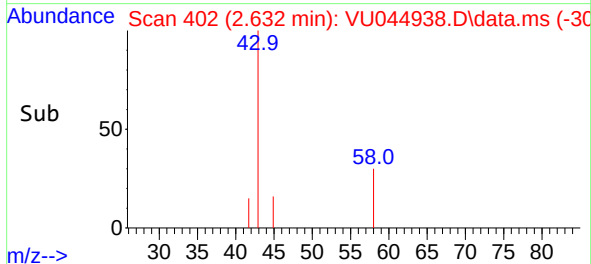
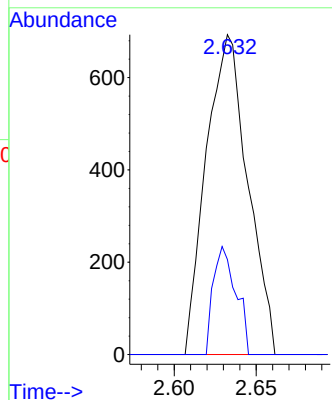
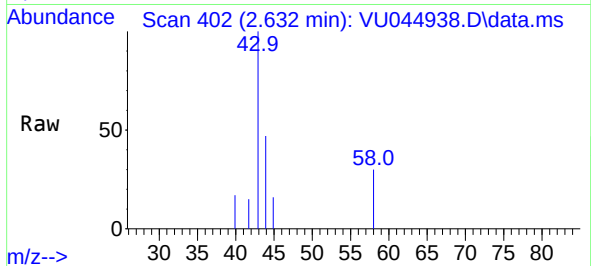




#16
Acetone
Concen: 0.602 ug/l
RT: 2.632 min Scan# 402
Delta R.T. 0.000 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

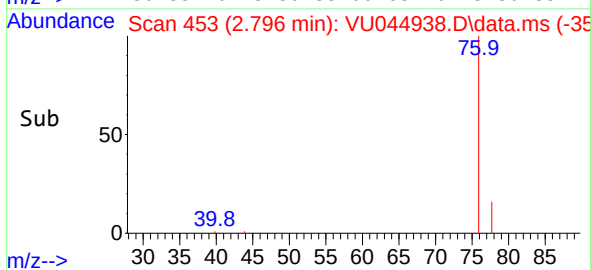
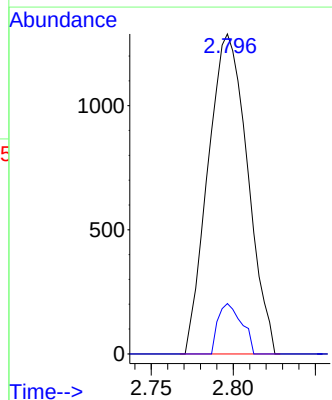
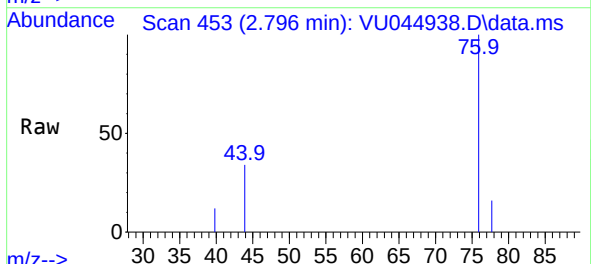
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL01

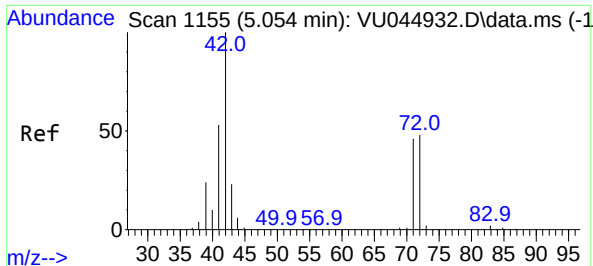
Tgt Ion: 43 Resp: 1217
Ion Ratio Lower Upper
43 100
58 29.7 25.2 37.8



#17
Carbon Disulfide
Concen: 0.301 ug/l
RT: 2.796 min Scan# 453
Delta R.T. 0.006 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

Tgt Ion: 76 Resp: 2155
Ion Ratio Lower Upper
76 100
78 15.7 7.4 11.0#

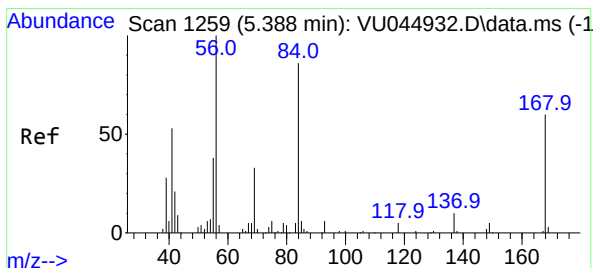
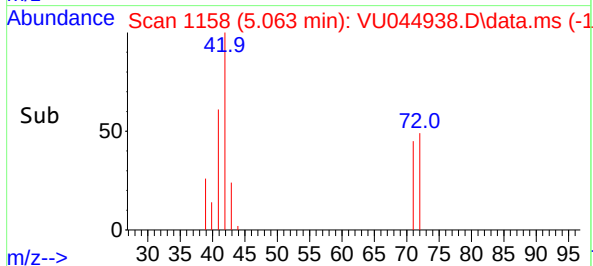
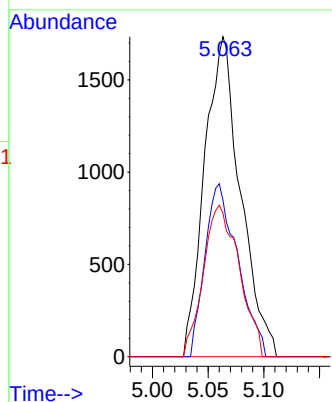
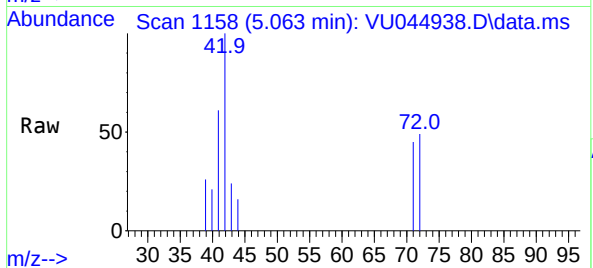




#29
Tetrahydrofuran
Concen: 2.272 ug/l
RT: 5.063 min Scan# 1155
Delta R.T. 0.009 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

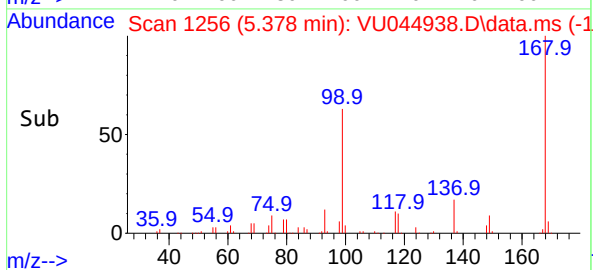
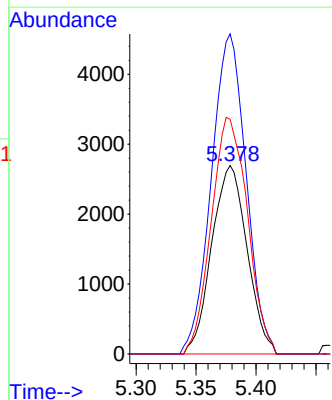
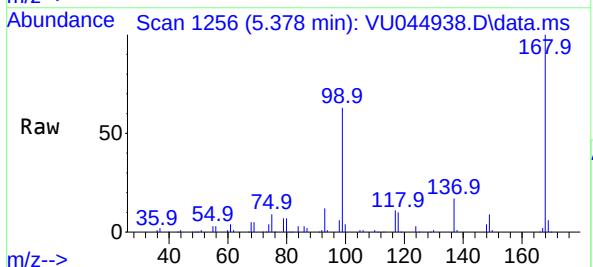
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL01

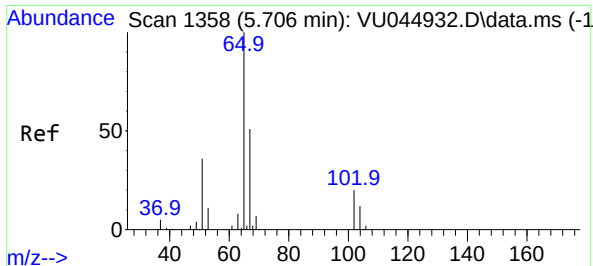
Tgt Ion:	42	Resp:	3882
Ion	Ratio	Lower	Upper
42	100		
72	49.4	36.2	54.4
71	47.2	34.1	51.1



#31
Cyclohexane
Concen: 1.069 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.010 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

Tgt Ion:	56	Resp:	5526
Ion	Ratio	Lower	Upper
56	100		
69	169.8	25.2	37.8#
84	124.6	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 47.220 ug/l

RT: 5.706 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU044938.D

Acq: 28 Sep 2021 13:56

Instrument :

MSVOA_U

ClientSampleId :

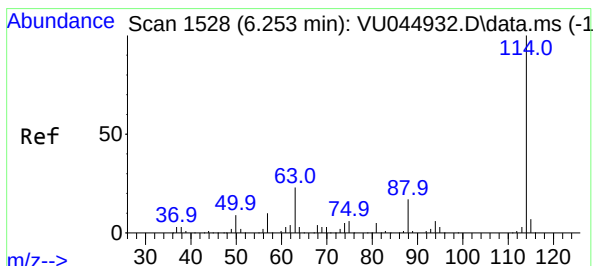
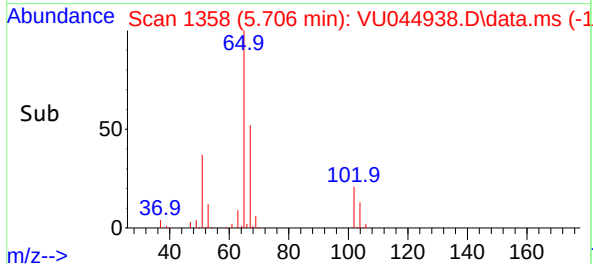
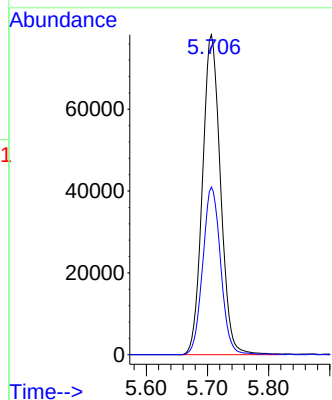
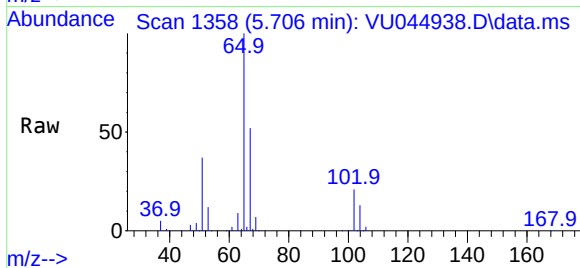
VU0928WBL01

Tgt Ion: 65 Resp: 160711

Ion Ratio Lower Upper

65 100

67 51.9 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: VU044938.D

Acq: 28 Sep 2021 13:56

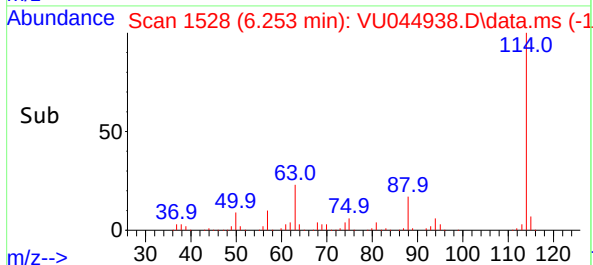
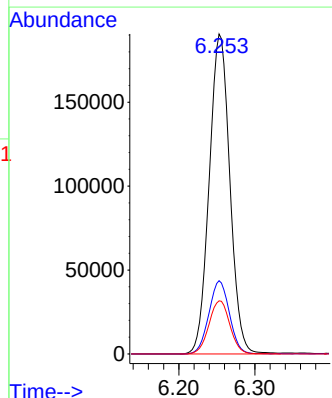
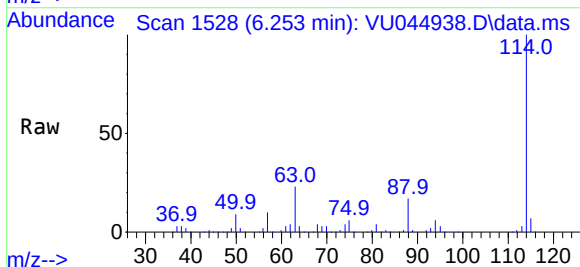
Tgt Ion: 114 Resp: 359508

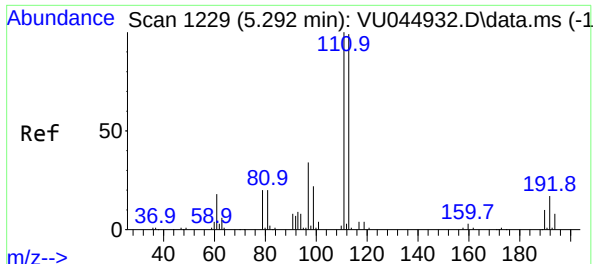
Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.8

88 16.6 0.0 32.8

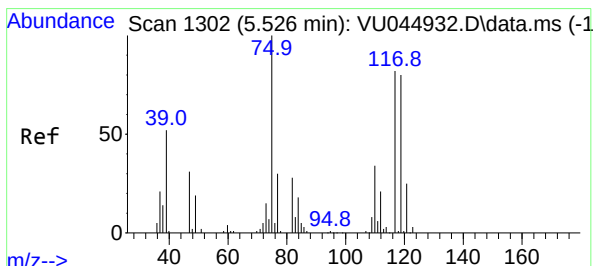
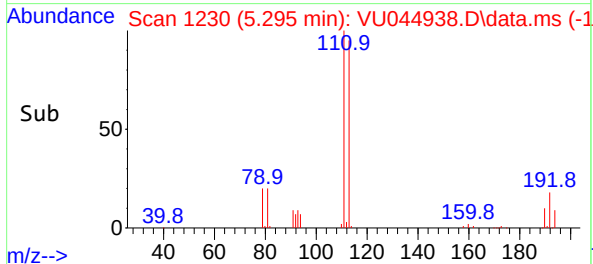
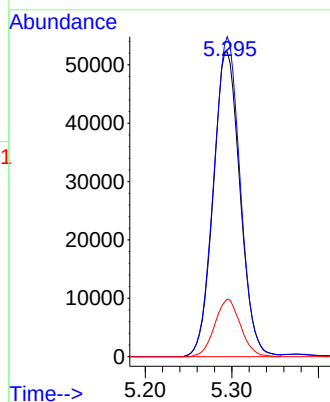
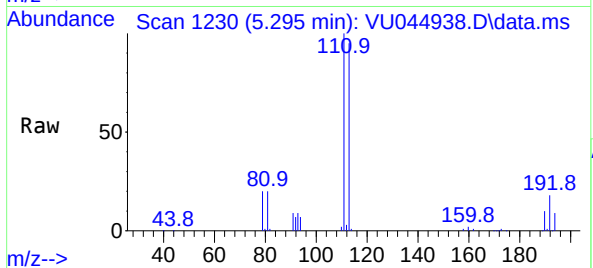




#35
Dibromofluoromethane
Concen: 49.320 ug/l
RT: 5.295 min Scan# 1118
Delta R.T. 0.003 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

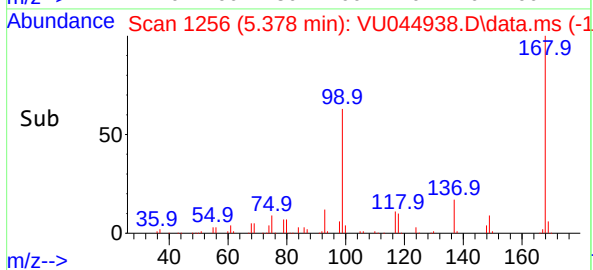
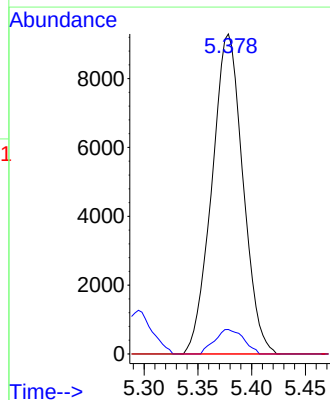
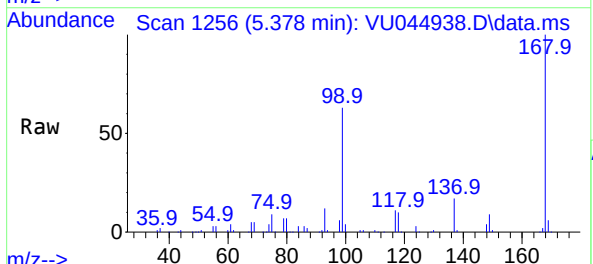
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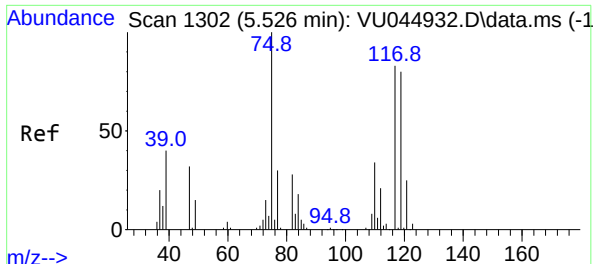
Tgt Ion:113 Resp: 111853
Ion Ratio Lower Upper
113 100
111 103.8 84.1 126.1
192 18.2 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.967 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.148 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

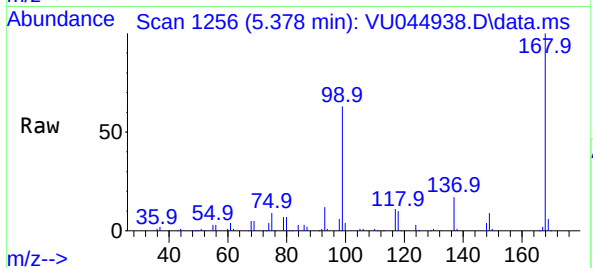
Tgt Ion: 75 Resp: 18674
Ion Ratio Lower Upper
75 100
110 7.1 16.3 48.9#
77 0.0 25.0 37.4#



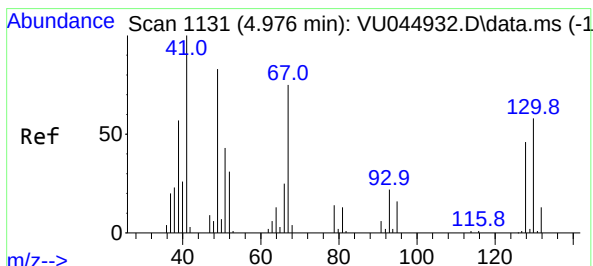
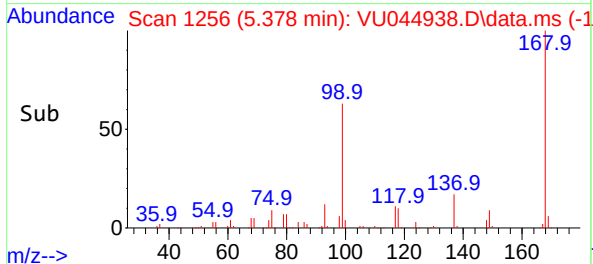
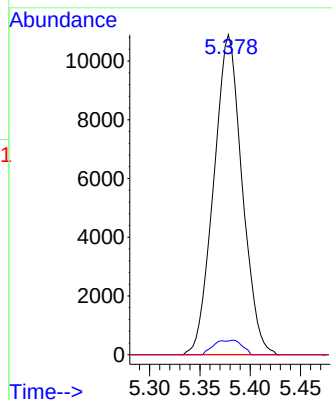


#38
Carbon Tetrachloride
Concen: 6.584 ug/l
RT: 5.378 min Scan# 1157
Delta R.T. -0.148 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL01

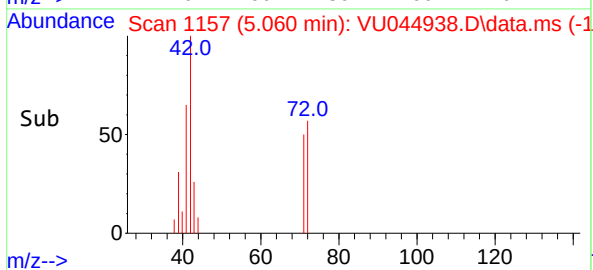
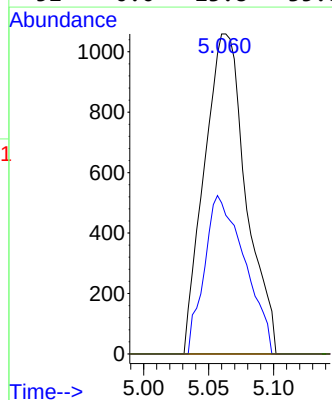
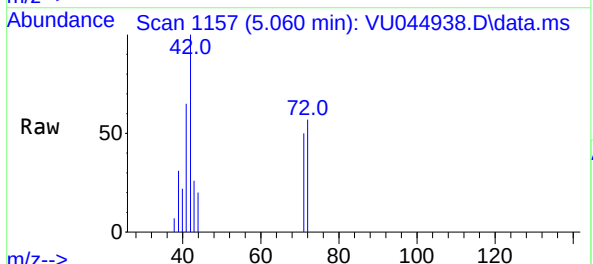


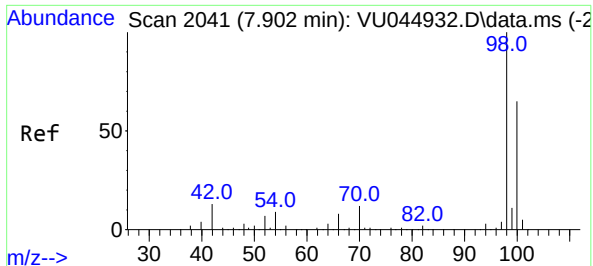
Tgt Ion: 117 Resp: 21420
Ion Ratio Lower Upper
117 100
119 4.2 77.4 116.2#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.922 ug/l
RT: 5.060 min Scan# 1157
Delta R.T. 0.084 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

Tgt Ion: 41 Resp: 2362
Ion Ratio Lower Upper
41 100
39 47.8 44.4 66.6
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 50.627 ug/l

RT: 7.902 min Scan# 2041

Delta R.T. 0.000 min

Lab File: VU044938.D

Acq: 28 Sep 2021 13:56

Instrument :

MSVOA_U

ClientSampleId :

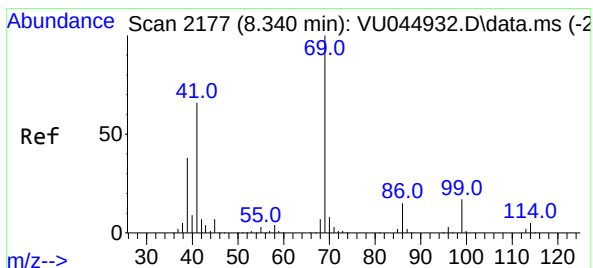
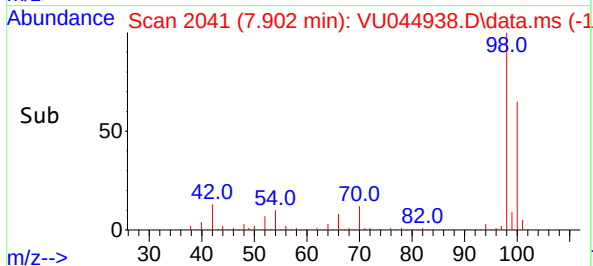
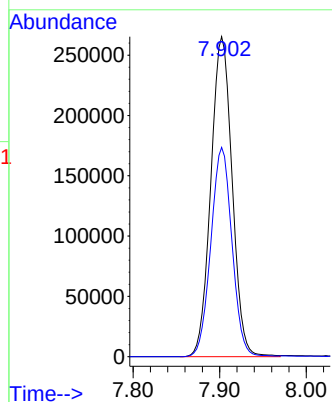
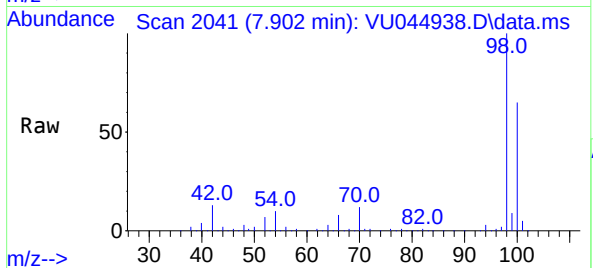
VU0928WBL01

Tgt Ion: 98 Resp: 453657

Ion Ratio Lower Upper

98 100

100 64.8 52.5 78.7



#56

Ethyl methacrylate

Concen: 1.835 ug/l

RT: 8.336 min Scan# 2176

Delta R.T. -0.004 min

Lab File: VU044938.D

Acq: 28 Sep 2021 13:56

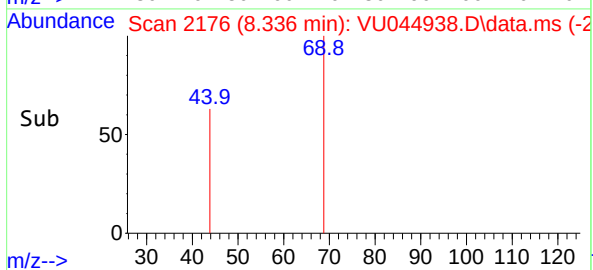
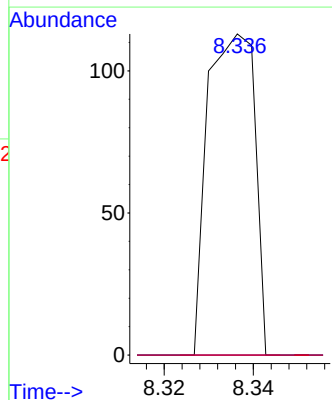
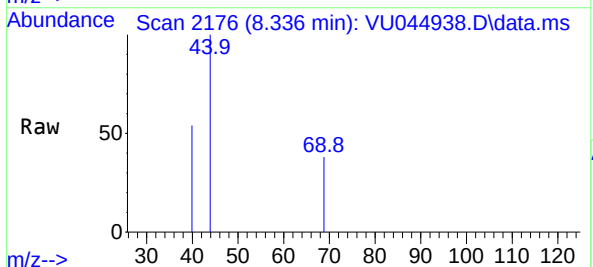
Tgt Ion: 69 Resp: 83

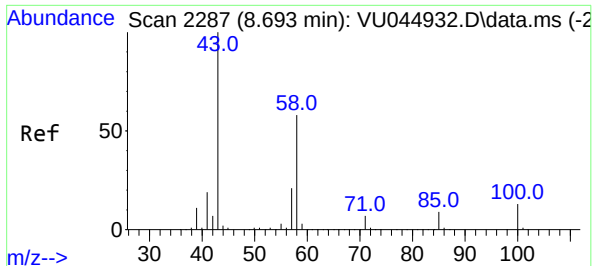
Ion Ratio Lower Upper

69 100

41 0.0 53.5 80.3#

39 0.0 31.1 46.7#





#59

2-Hexanone

Concen: 0.309 ug/l

RT: 8.690 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU044938.D

Acq: 28 Sep 2021 13:56

Instrument :

MSVOA_U

ClientSampleId :

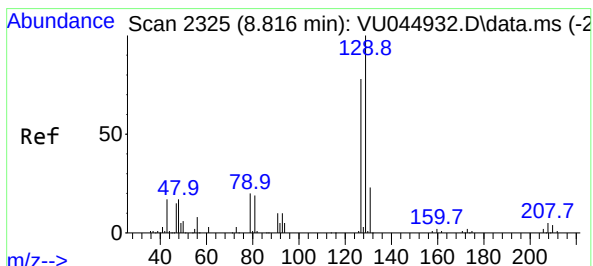
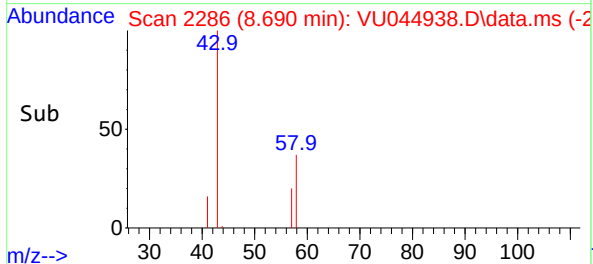
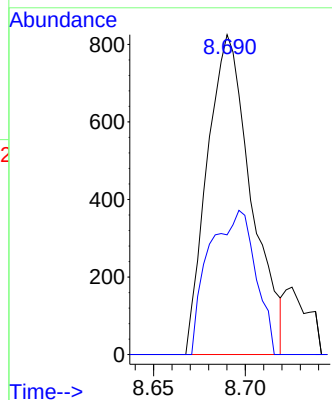
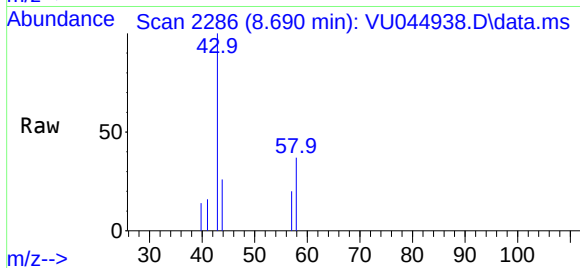
VU0928WBL01

Tgt Ion: 43 Resp: 1371

Ion Ratio Lower Upper

43 100

58 47.8 28.0 84.0



#60

Dibromochloromethane

Concen: 2.199 ug/l

RT: 8.555 min Scan# 2244

Delta R.T. -0.261 min

Lab File: VU044938.D

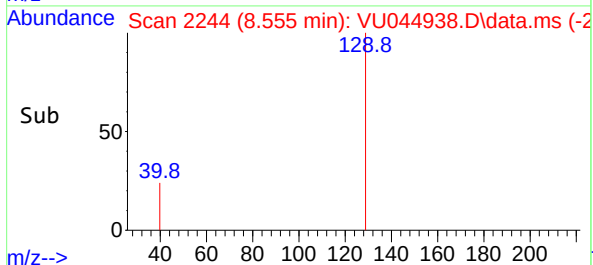
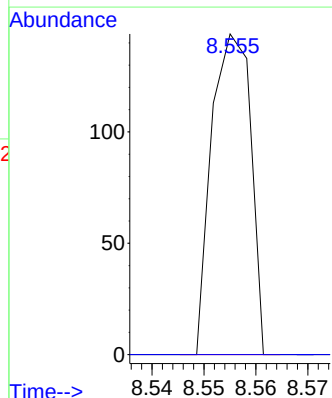
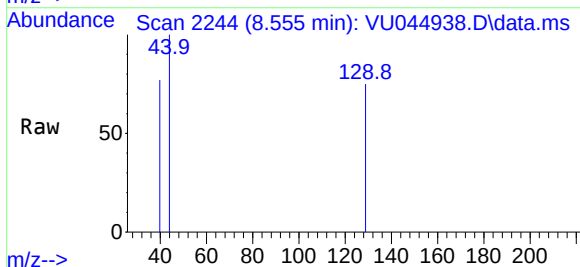
Acq: 28 Sep 2021 13:56

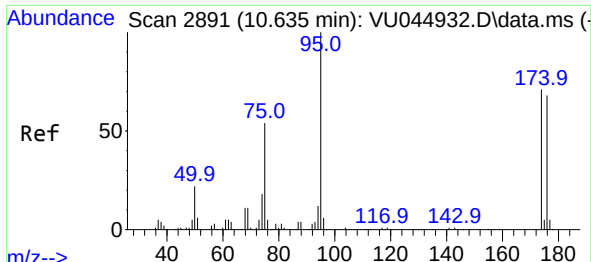
Tgt Ion: 129 Resp: 75

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#

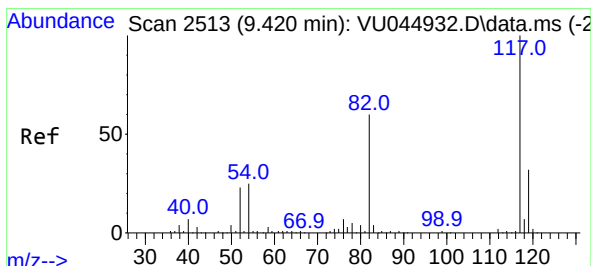
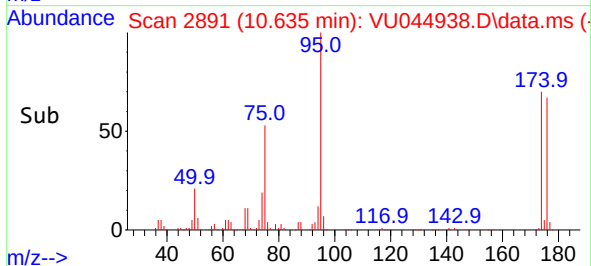
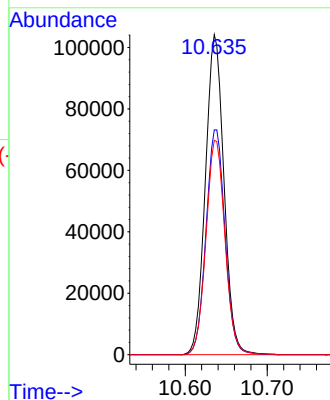
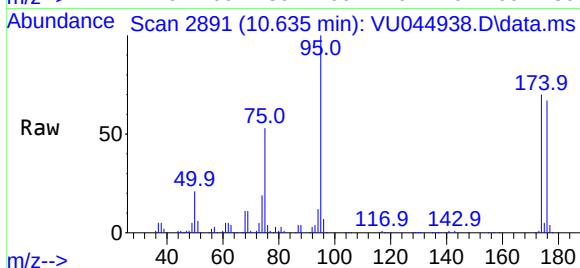




#62
4-Bromofluorobenzene
Concen: 44.199 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

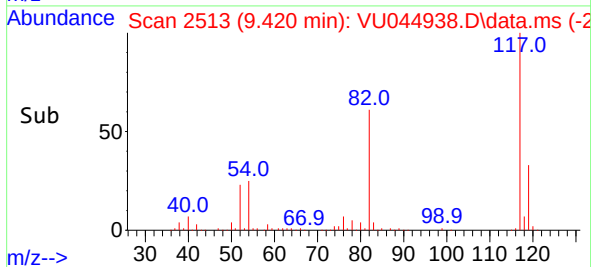
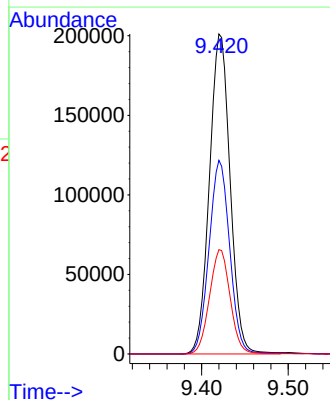
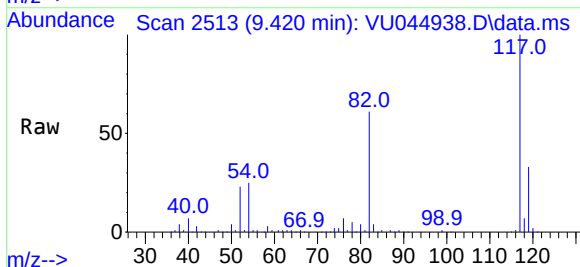
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL01

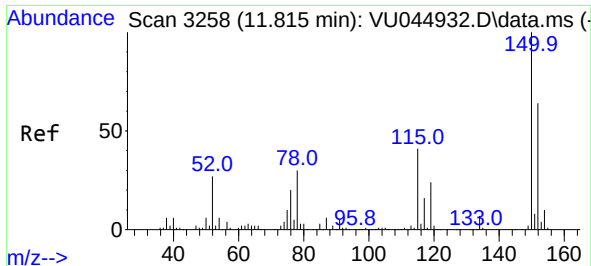
Tgt Ion: 95 Resp: 163514
Ion Ratio Lower Upper
95 100
174 72.0 0.0 146.6
176 68.7 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

Tgt Ion: 117 Resp: 333928
Ion Ratio Lower Upper
117 100
82 60.5 47.8 71.8
119 32.6 25.8 38.6

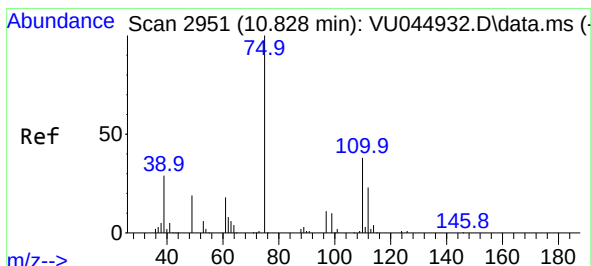
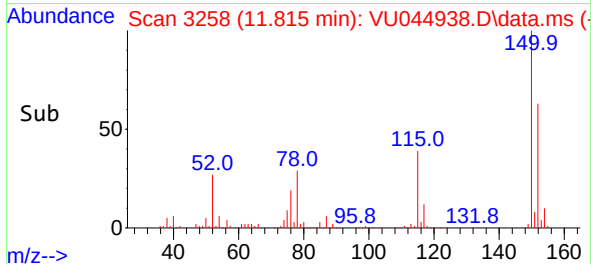
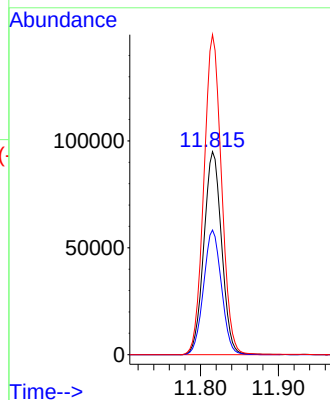
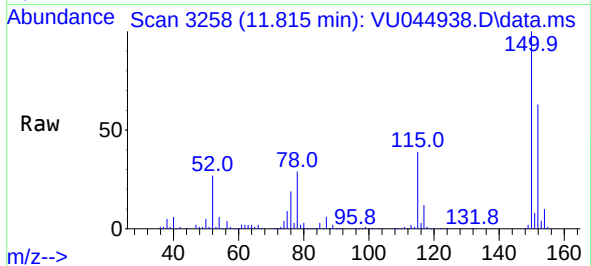




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

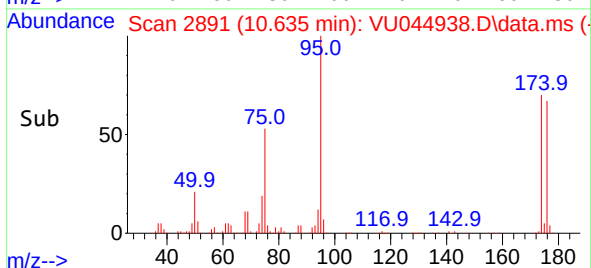
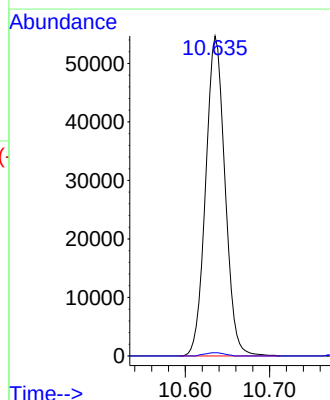
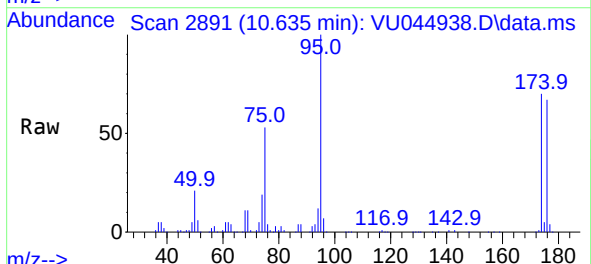
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL01

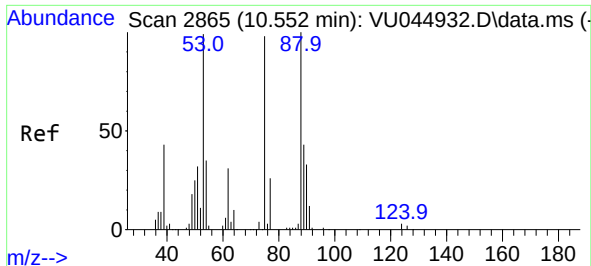
Tgt Ion:152 Resp: 150236
Ion Ratio Lower Upper
152 100
115 61.8 43.5 130.7
150 156.6 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 19.916 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

Tgt Ion: 75 Resp: 87276
Ion Ratio Lower Upper
75 100
77 1.0 17.9 53.7#

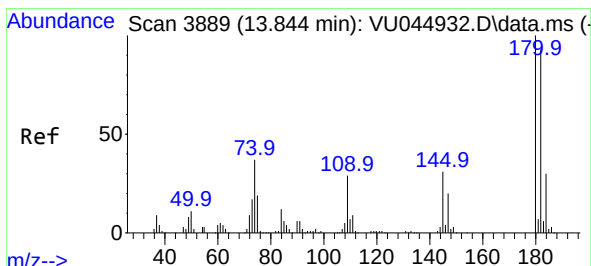
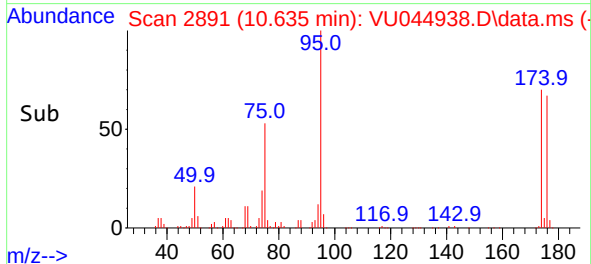
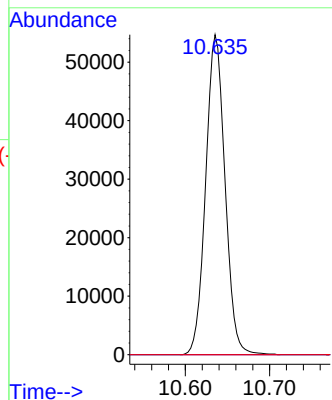
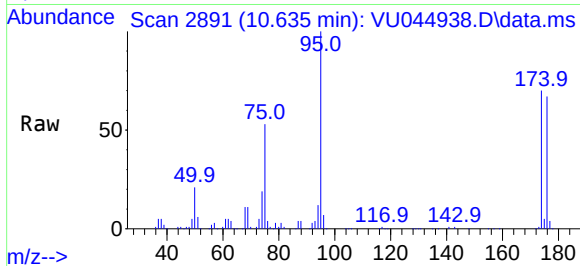




#81
trans-1,4-Dichloro-2-butene
Concen: 55.271 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.083 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

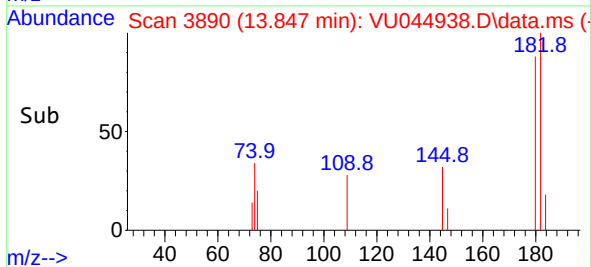
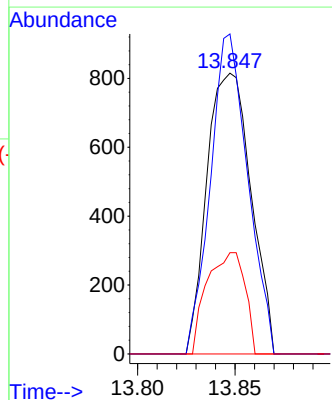
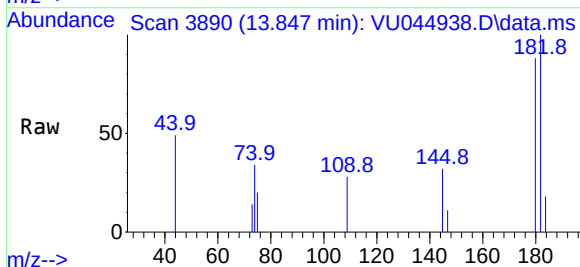
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL01

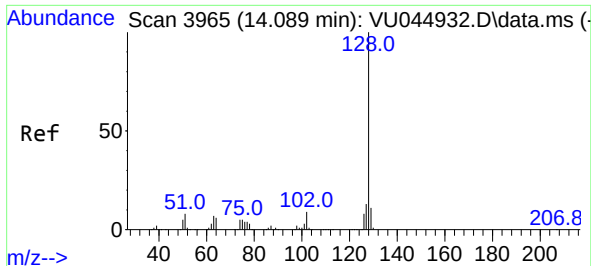
Tgt Ion: 75 Resp: 87276
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.436 ug/l
RT: 13.847 min Scan# 3890
Delta R.T. 0.003 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

Tgt Ion:180 Resp: 1285
Ion Ratio Lower Upper
180 100
182 96.3 47.4 142.3
145 30.9 15.4 46.2

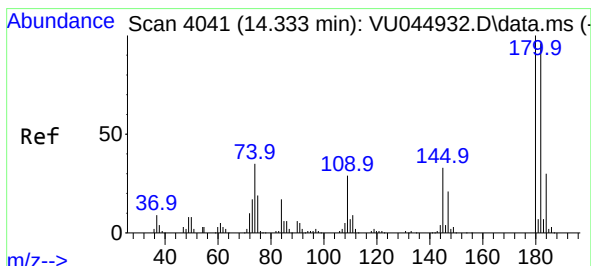
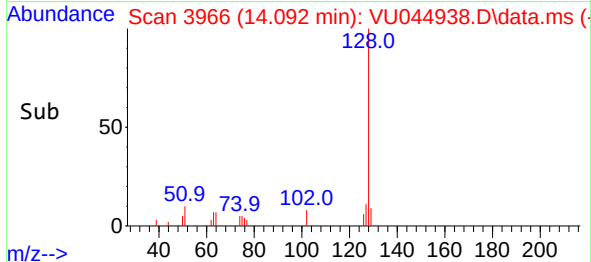
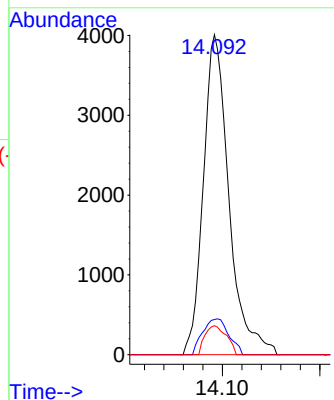
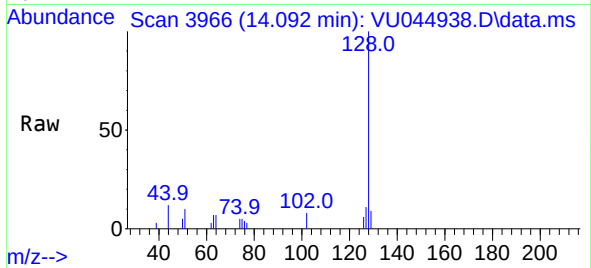




#95
Naphthalene
Concen: 0.659 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBL01

Tgt Ion:	128	Resp:	7310
Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.4	15.6
129	7.6	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.486 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.003 min
Lab File: VU044938.D
Acq: 28 Sep 2021 13:56

Tgt Ion:	180	Resp:	1438
Ion	Ratio	Lower	Upper
180	100		
182	99.2	47.1	141.4
145	26.6	16.4	49.2

