

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021821\
 Data File : VU042339.D
 Acq On : 18 Feb 2021 10:08
 Operator : SY/MD
 Sample : VU0218WBL03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 19 03:07:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 19 02:55:52 2021
 Response via : Initial Calibration

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

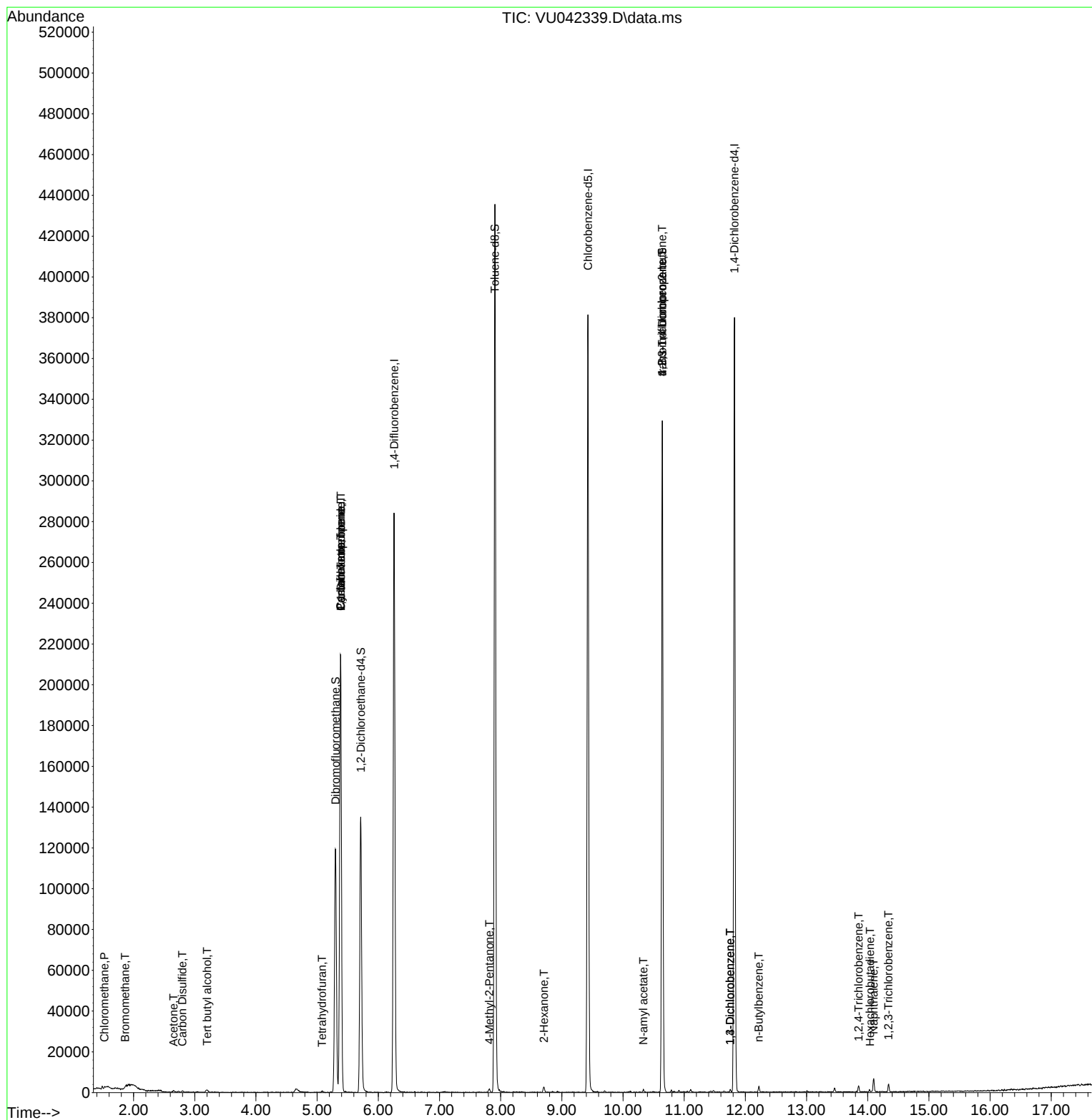
Internal Standards						
1) Pentafluorobenzene	5.385	168	150874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.260	114	224640	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.427	117	200679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.822	152	95787	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	106959	46.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.50%	
35) Dibromofluoromethane	5.301	113	75251	47.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.92%	
50) Toluene-d8	7.906	98	274034	48.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.52%	
62) 4-Bromofluorobenzene	10.642	95	101805	45.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.98%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	421	0.23	ug/l #	88
5) Bromomethane	1.861	94	306	0.28	ug/l #	72
11) Tert butyl alcohol	3.202	59	1110	2.27	ug/l #	94
16) Acetone	2.652	43	1052	0.74	ug/l #	88
17) Carbon Disulfide	2.797	76	884	0.21	ug/l #	74
29) Tetrahydrofuran	5.080	42	510	0.43	ug/l #	40
31) Cyclohexane	5.382	56	3482	1.16	ug/l #	25
36) 1,1-Dichloropropene	5.385	75	12577	5.66	ug/l #	50
38) Carbon Tetrachloride	5.385	117	14794	6.23	ug/l #	16
51) 4-Methyl-2-Pentanone	7.816	43	1545	0.45	ug/l #	72
59) 2-Hexanone	8.710	43	2252	0.82	ug/l	95
74) N-amyl acetate	10.333	43	926	0.25	ug/l #	78
76) 1,2,3-Trichloropropane	10.642	75	55845	23.58	ug/l #	36
81) trans-1,4-Dichloro-2-b...	10.642	75	55845	64.11	ug/l #	7
87) 1,3-Dichlorobenzene	11.751	146	666	0.23	ug/l	87
88) 1,4-Dichlorobenzene	11.751	146	666	0.22	ug/l	87
89) n-Butylbenzene	12.218	91	1314	0.26	ug/l	90
93) 1,2,4-Trichlorobenzene	13.851	180	1282	2.28	ug/l	95
94) Hexachlorobutadiene	14.037	225	270	0.26	ug/l	87
95) Naphthalene	14.098	128	5964	3.10	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.340	180	1253	2.26	ug/l	87

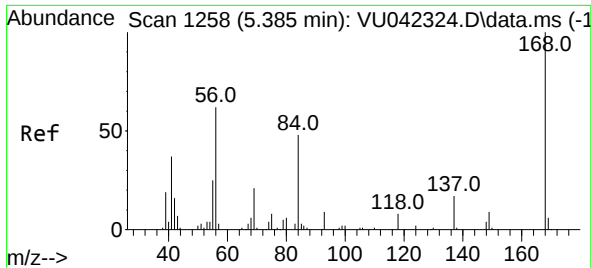
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Feb 19 03:07:08 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 19 02:55:52 2021
Response via : Initial Calibration

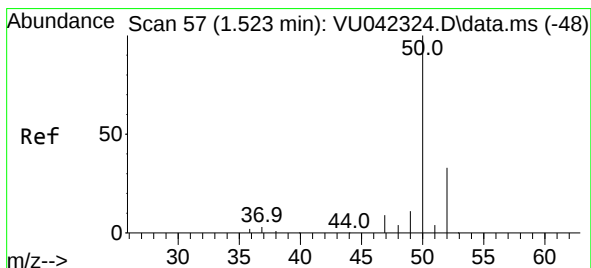
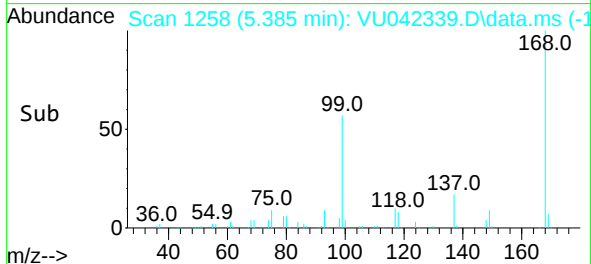
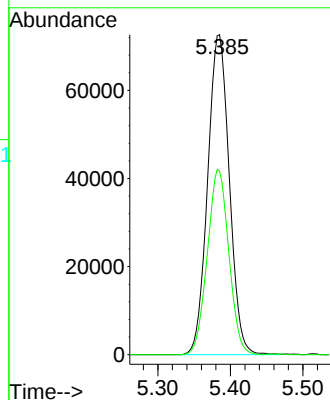
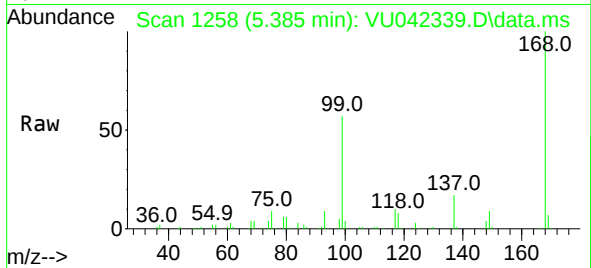




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

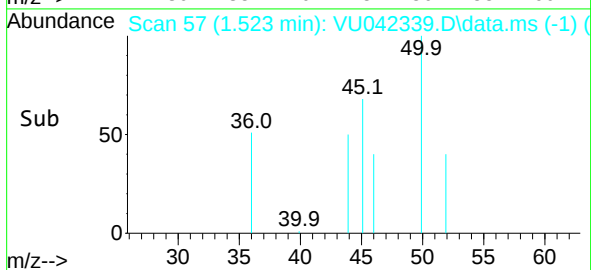
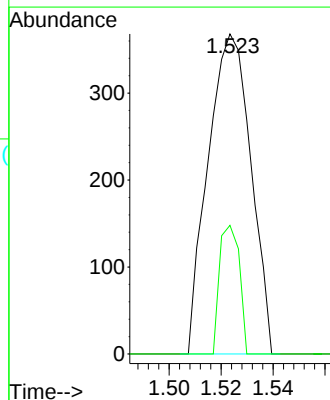
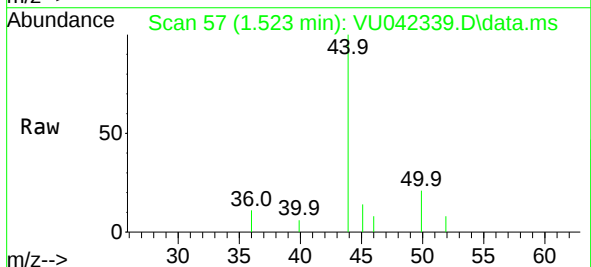
Instrument :
MSVOA_U
ClientSampleId :

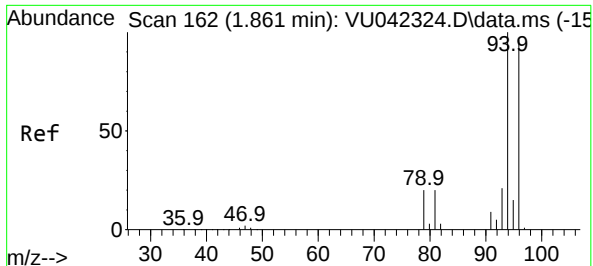
Tgt Ion:168 Resp: 150874
Ion Ratio Lower Upper
168 100
99 57.4 45.0 67.4



#3
Chloromethane
Concen: 0.23 ug/l
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

Tgt Ion: 50 Resp: 421
Ion Ratio Lower Upper
50 100
52 40.2 26.6 40.0#

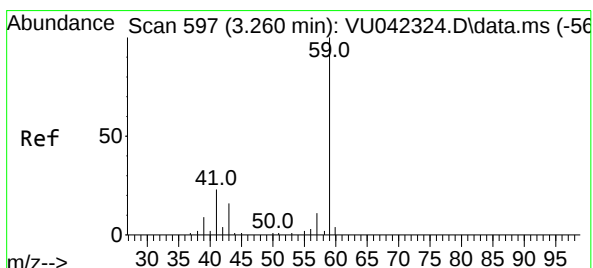
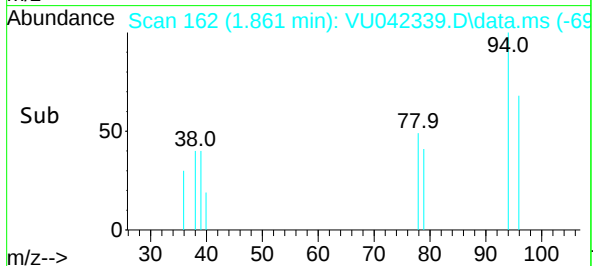
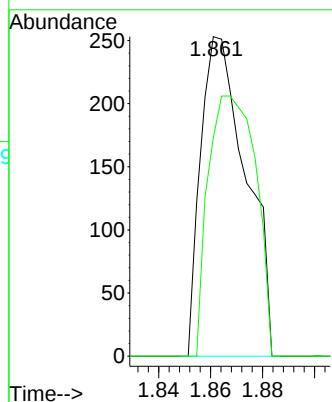
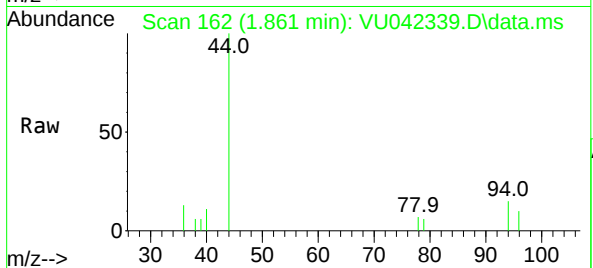




#5
Bromomethane
Concen: 0.28 ug/l
RT: 1.861 min Scan# 162
Delta R.T. -0.000 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

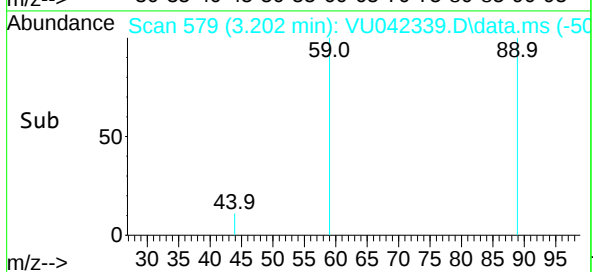
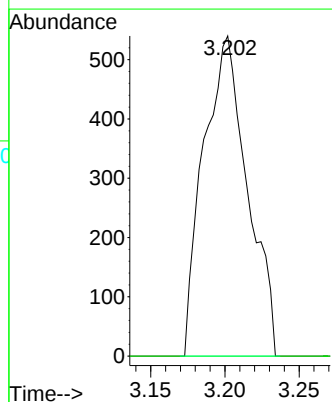
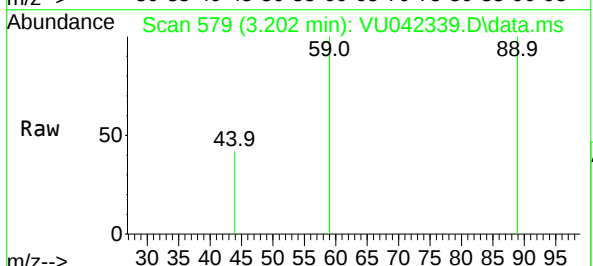
Instrument :
MSVOA_U
ClientSampleId :

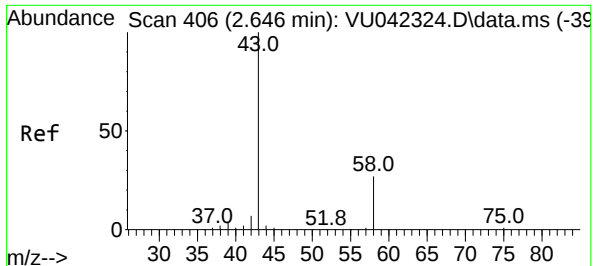
Tgt Ion: 94 Resp: 306
Ion Ratio Lower Upper
94 100
96 68.4 76.6 115.0#



#11
Tert butyl alcohol
Concen: 2.27 ug/l
RT: 3.202 min Scan# 579
Delta R.T. -0.058 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

Tgt Ion: 59 Resp: 1110
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#

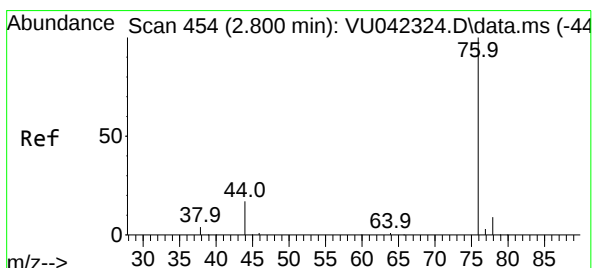
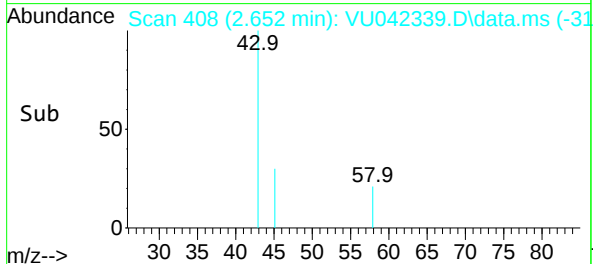
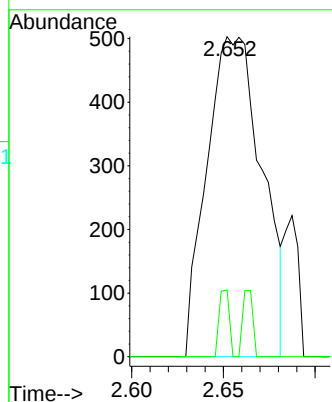
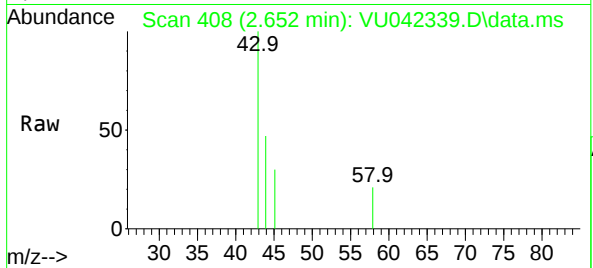




#16
Acetone
Concen: 0.74 ug/l
RT: 2.652 min Scan# 408
Delta R.T. 0.006 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

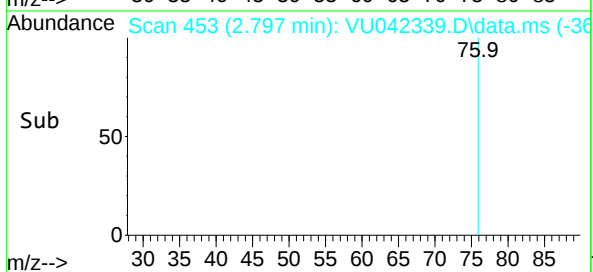
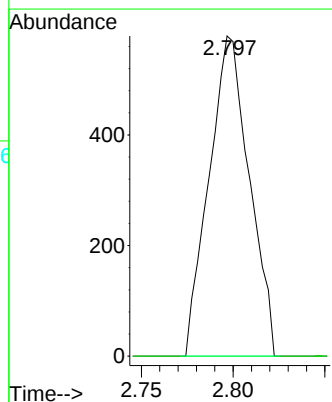
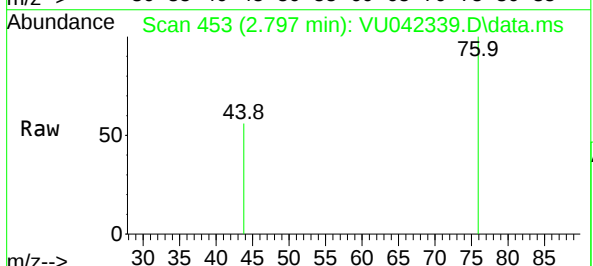
Instrument :
MSVOA_U
ClientSampleId :

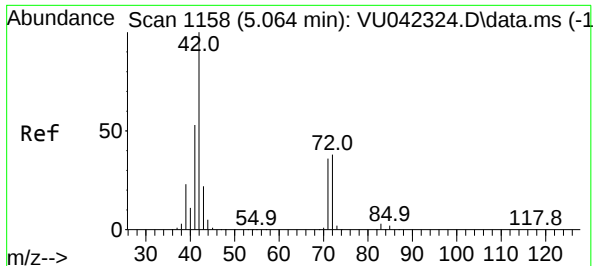
Tgt Ion: 43 Resp: 1052
Ion Ratio Lower Upper
43 100
58 20.9 21.5 32.3#



#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 2.797 min Scan# 453
Delta R.T. -0.003 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

Tgt Ion: 76 Resp: 884
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#29

Tetrahydrofuran

Concen: 0.43 ug/l

RT: 5.080 min Scan# 1163

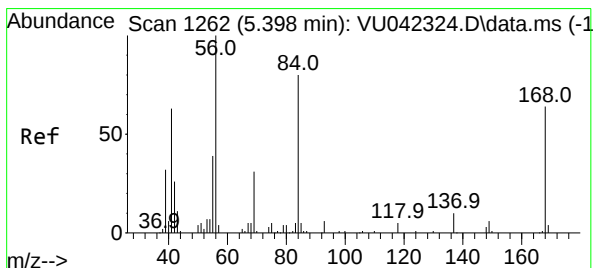
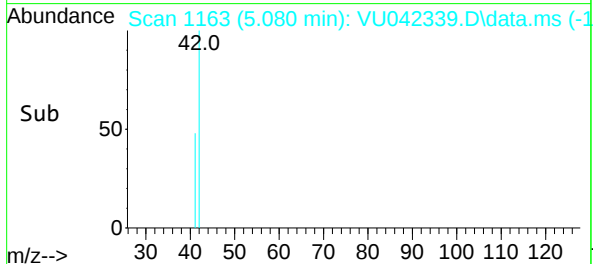
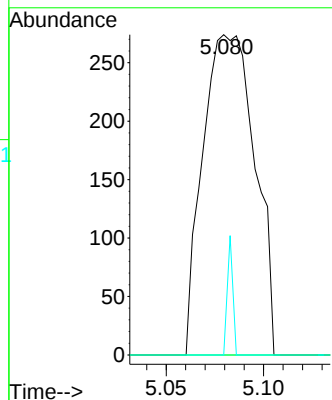
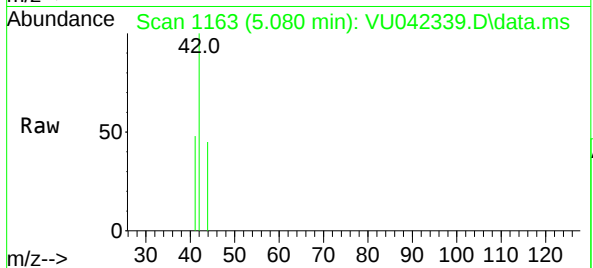
Delta R.T. 0.016 min

Lab File: VU042339.D

Acq: 18 Feb 2021 10:08

Tgt Ion:	42	Resp:	510
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.5	47.3#
71	3.9	29.5	44.3#

Instrument :
MSVOA_U
ClientSampled :



#31

Cyclohexane

Concen: 1.16 ug/l

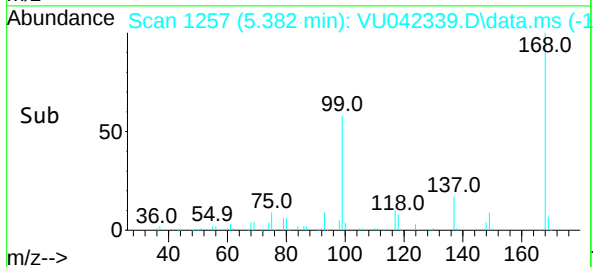
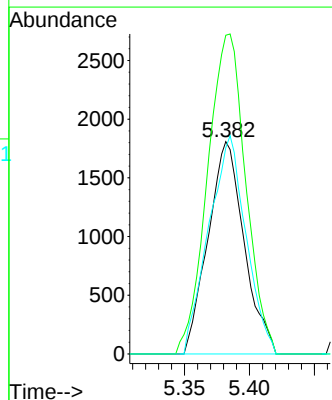
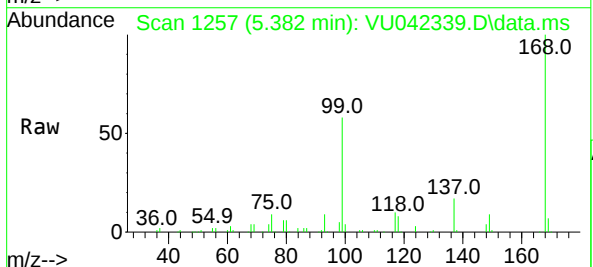
RT: 5.382 min Scan# 1257

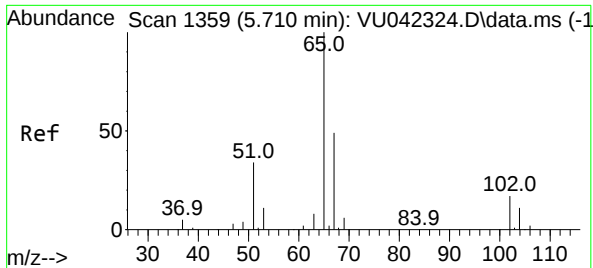
Delta R.T. -0.016 min

Lab File: VU042339.D

Acq: 18 Feb 2021 10:08

Tgt Ion:	56	Resp:	3482
Ion	Ratio	Lower	Upper
56	100		
69	150.2	24.9	37.3#
84	97.2	63.7	95.5#



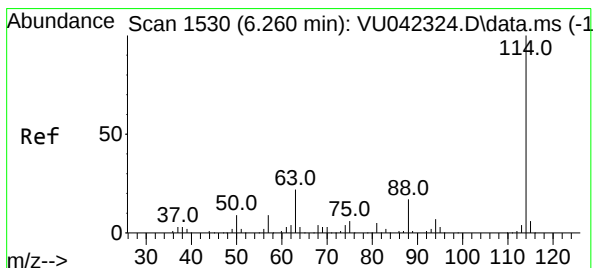
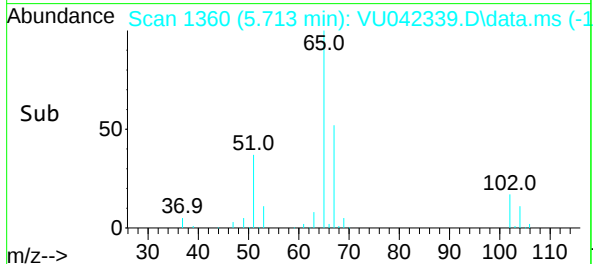
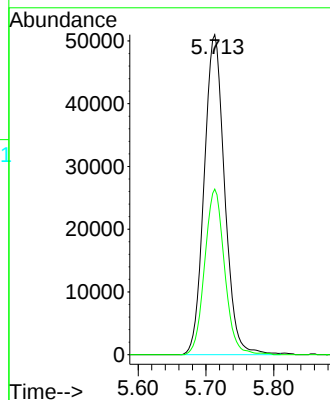
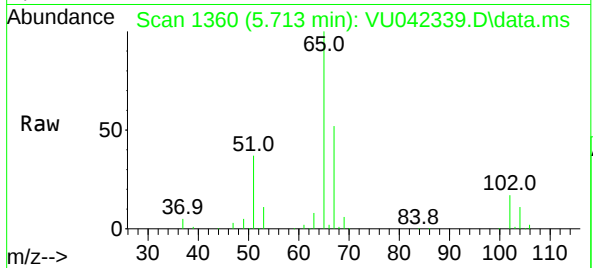


#33

1,2-Dichloroethane-d4
Concen: 46.75 ug/l
RT: 5.713 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

Instrument :
MSVOA_U
ClientSampled :

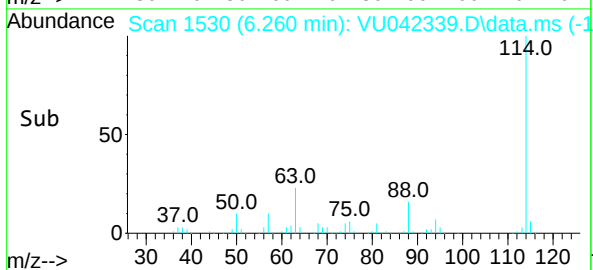
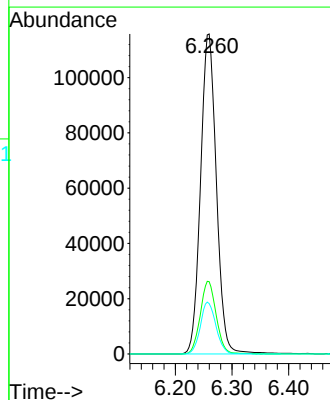
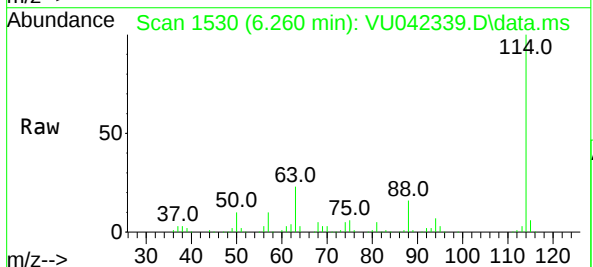
Tgt Ion: 65 Resp: 106959
Ion Ratio Lower Upper
65 100
67 50.1 0.0 99.8

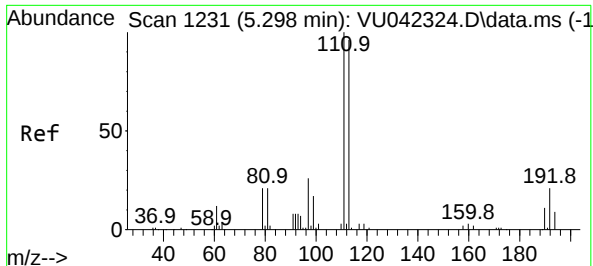


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.260 min Scan# 1530
Delta R.T. -0.000 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

Tgt Ion: 114 Resp: 224640
Ion Ratio Lower Upper
114 100
63 22.6 0.0 44.2
88 15.8 0.0 33.4

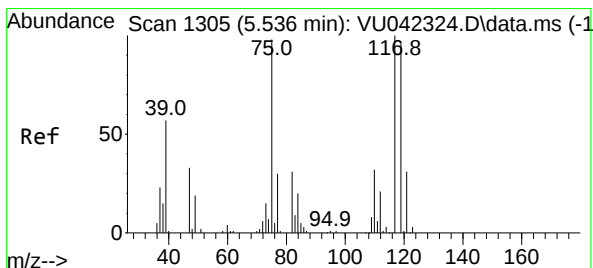
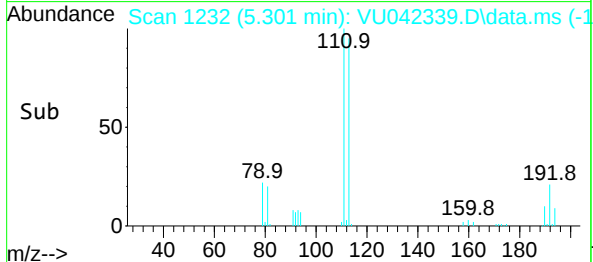
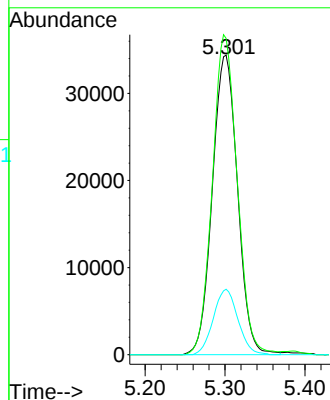
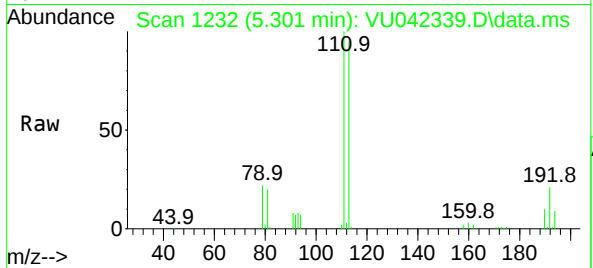




#35
Dibromofluoromethane
Concen: 47.46 ug/l
RT: 5.301 min Scan# 1232
Delta R.T. 0.003 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

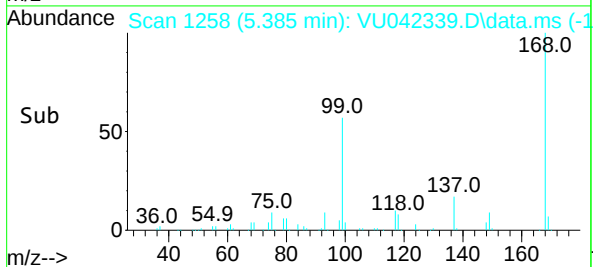
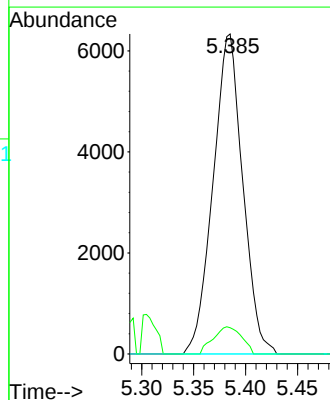
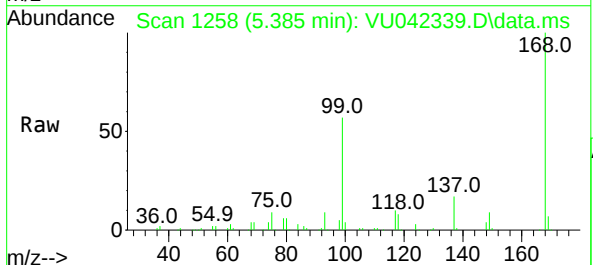
Instrument :
MSVOA_U
ClientSampleId :

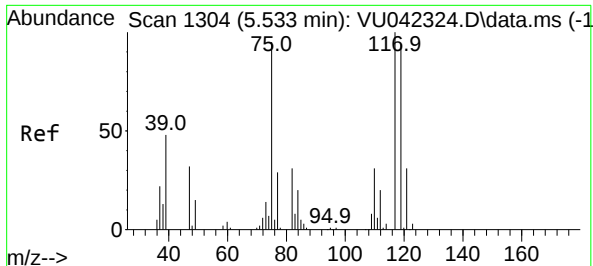
Tgt Ion:113 Resp: 75251
Ion Ratio Lower Upper
113 100
111 105.1 81.8 122.8
192 21.3 17.2 25.8



#36
1,1-Dichloropropene
Concen: 5.66 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.151 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

Tgt Ion: 75 Resp: 12577
Ion Ratio Lower Upper
75 100
110 8.1 16.8 50.3#
77 0.0 24.8 37.2#

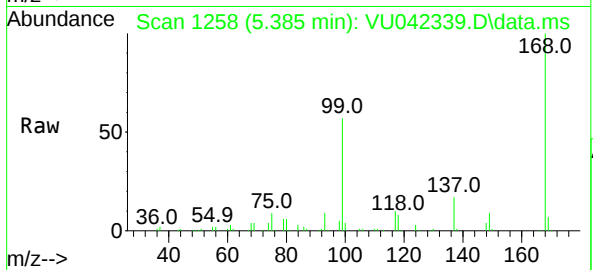




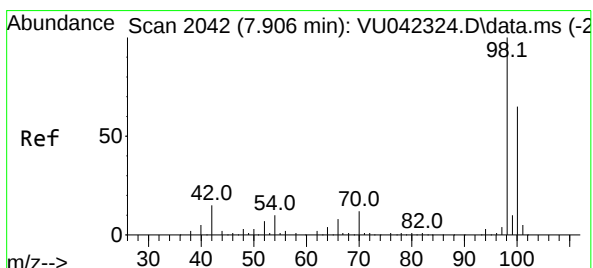
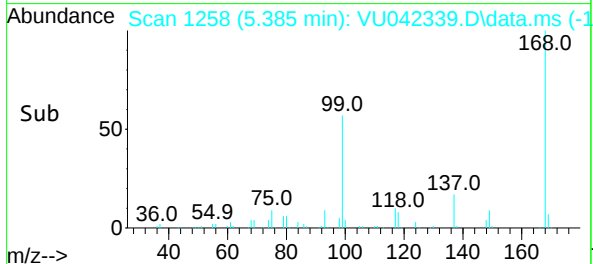
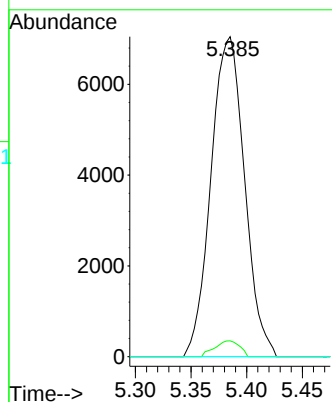
#38

Carbon Tetrachloride
Concen: 6.23 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

Instrument :
MSVOA_U
ClientSampled :



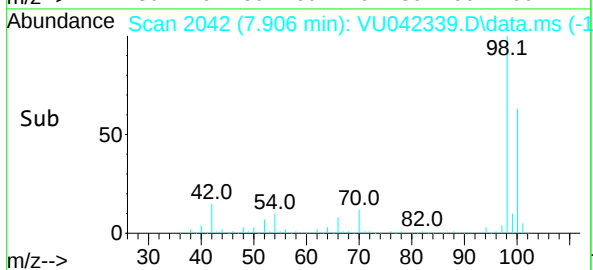
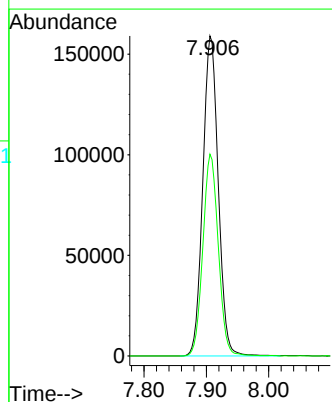
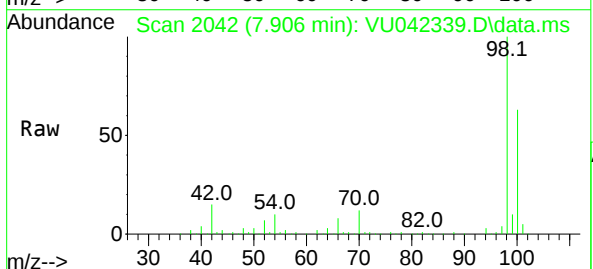
Tgt Ion:117 Resp: 14794
Ion Ratio Lower Upper
117 100
119 5.0 75.5 113.3#
121 0.0 24.7 37.1#

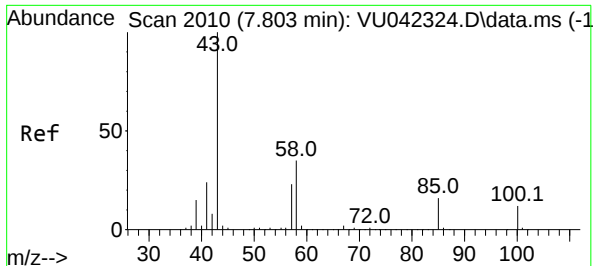


#50

Toluene-d8
Concen: 48.26 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

Tgt Ion: 98 Resp: 274034
Ion Ratio Lower Upper
98 100
100 63.0 50.2 75.2

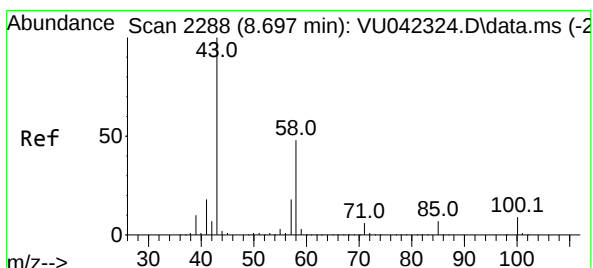
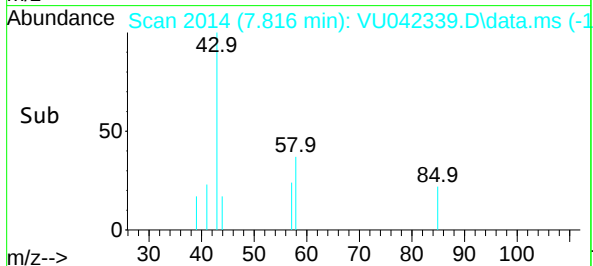
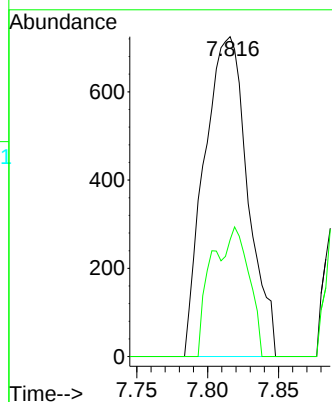
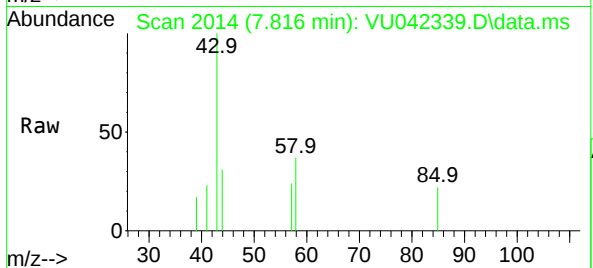




#51
4-Methyl-2-Pentanone
Concen: 0.45 ug/l
RT: 7.816 min Scan# 2014
Delta R.T. 0.013 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

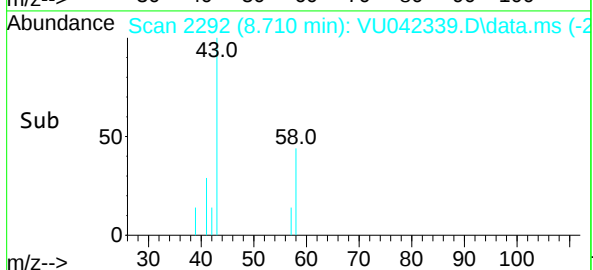
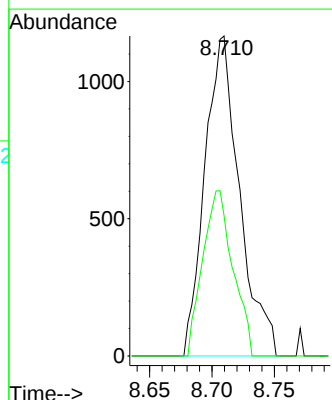
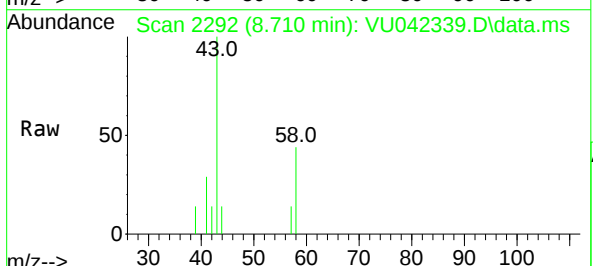
Instrument :
MSVOA_U
ClientSampled :

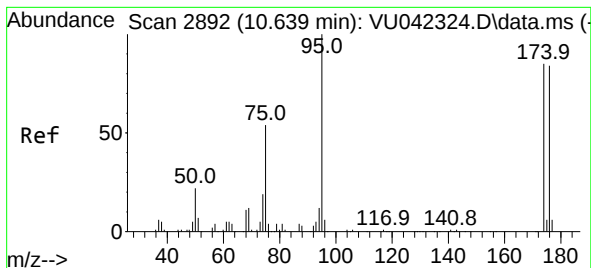
Tgt Ion: 43 Resp: 1545
Ion Ratio Lower Upper
43 100
58 18.9 28.1 42.1#



#59
2-Hexanone
Concen: 0.82 ug/l
RT: 8.710 min Scan# 2292
Delta R.T. 0.013 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

Tgt Ion: 43 Resp: 2252
Ion Ratio Lower Upper
43 100
58 44.9 24.0 72.0

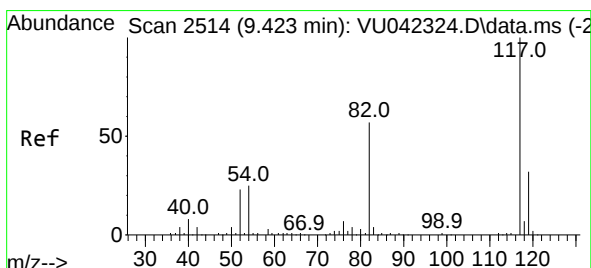
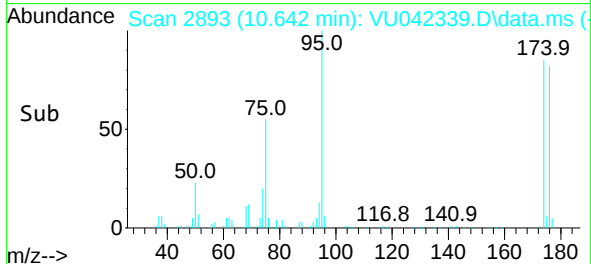
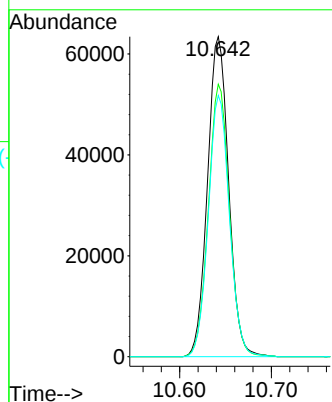
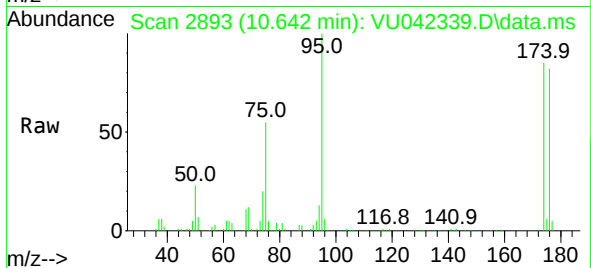




#62
4-Bromofluorobenzene
Concen: 45.49 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.003 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

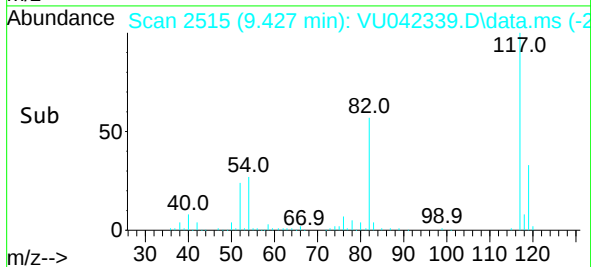
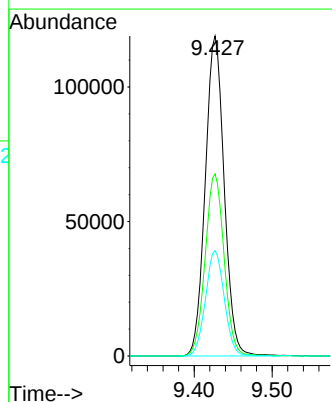
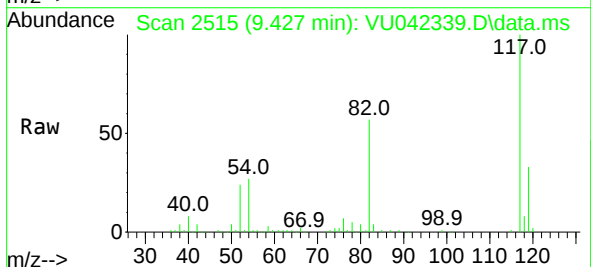
Instrument :
MSVOA_U
ClientSampleId :

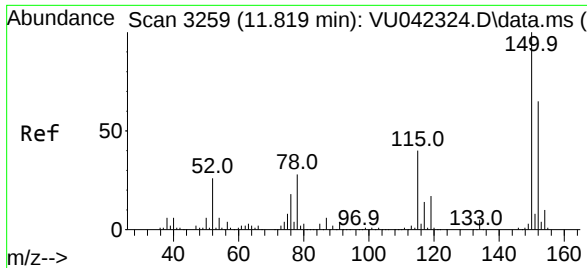
Tgt Ion: 95 Resp: 101805
Ion Ratio Lower Upper
95 100
174 84.6 0.0 172.2
176 81.4 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.427 min Scan# 2515
Delta R.T. 0.003 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

Tgt Ion: 117 Resp: 200679
Ion Ratio Lower Upper
117 100
82 56.9 45.8 68.6
119 33.0 25.8 38.8

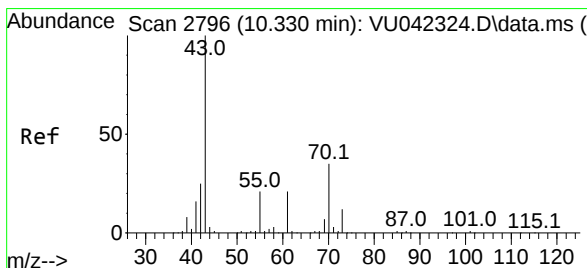
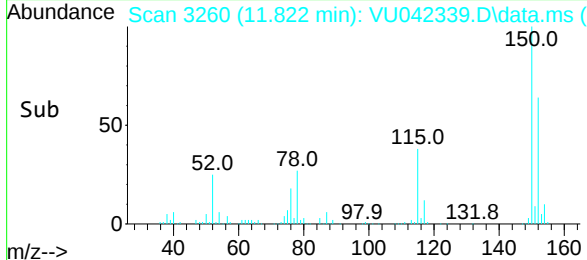
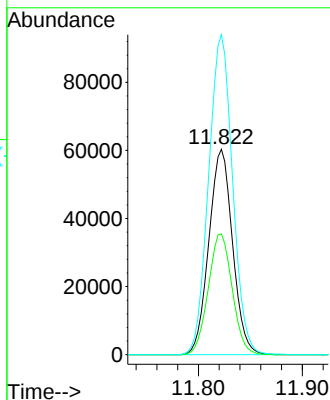
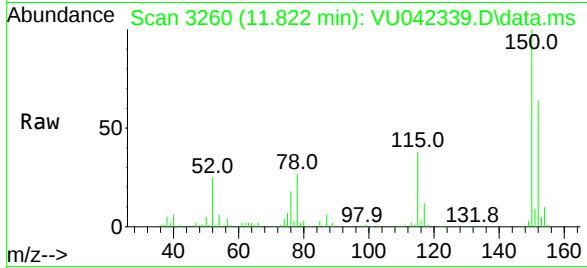




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.822 min Scan# 3260
Delta R.T. 0.003 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

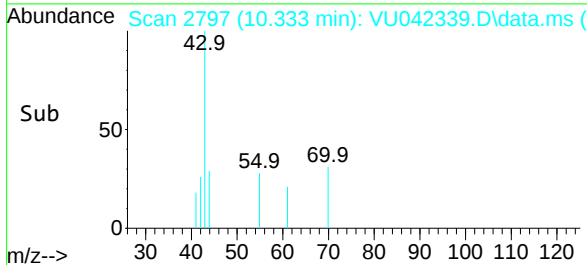
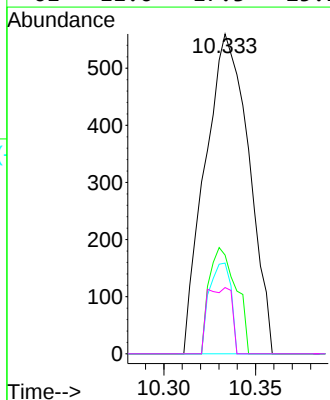
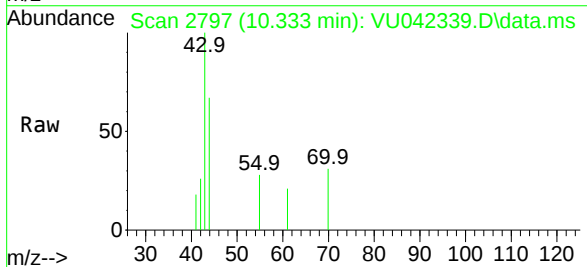
Instrument :
MSVOA_U
ClientSampleId :

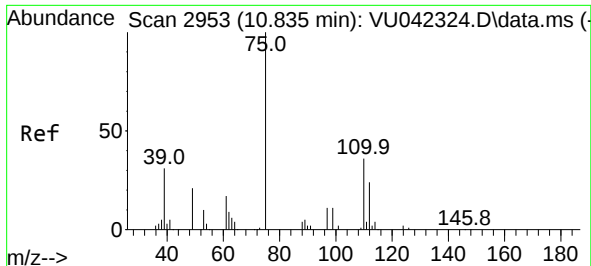
Tgt Ion:152 Resp: 95787
Ion Ratio Lower Upper
152 100
115 59.1 41.5 124.6
150 157.4 0.0 342.4



#74
N-ethyl acetate
Concen: 0.25 ug/l
RT: 10.333 min Scan# 2797
Delta R.T. 0.003 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

Tgt Ion: 43 Resp: 926
Ion Ratio Lower Upper
43 100
70 20.5 28.3 42.5#
55 13.9 17.2 25.8#
61 11.6 17.3 25.9#

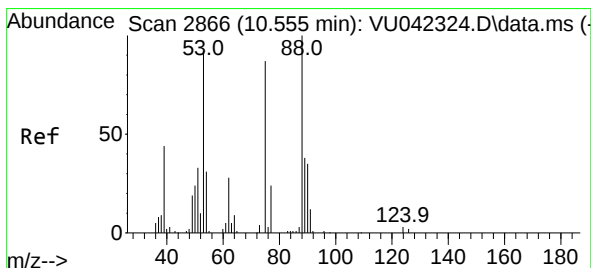
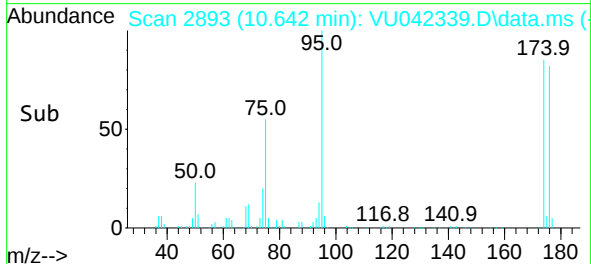
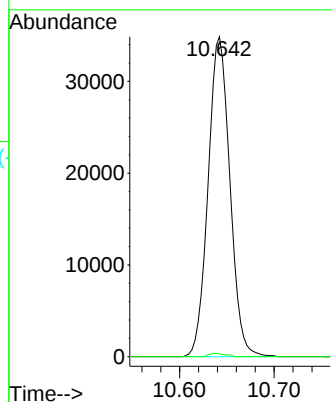
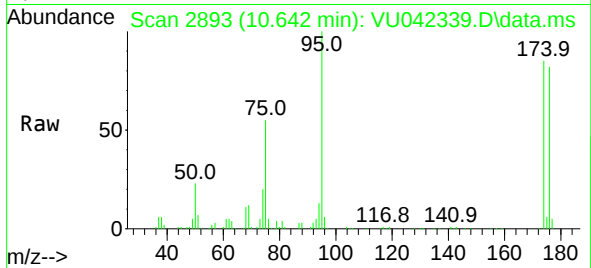




#76
1,2,3-Trichloropropane
Concen: 23.58 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. -0.193 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

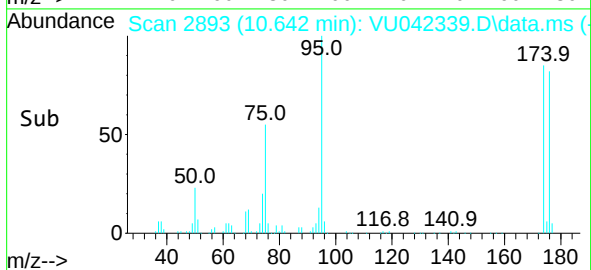
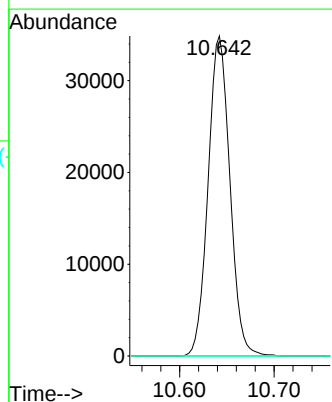
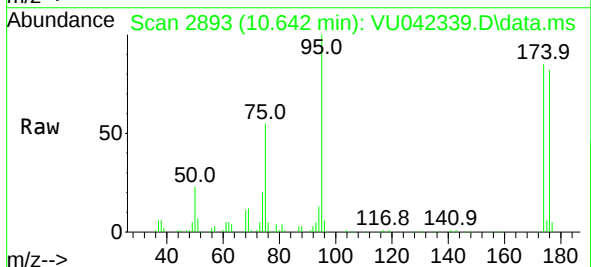
Instrument :
MSVOA_U
ClientSampled :

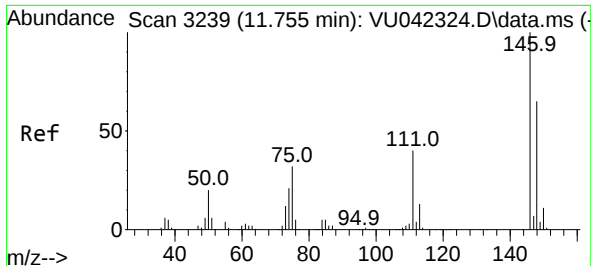
Tgt Ion: 75 Resp: 55845
Ion Ratio Lower Upper
75 100
77 0.8 20.2 60.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.11 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.087 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

Tgt Ion: 75 Resp: 55845
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#





#87

1,3-Dichlorobenzene

Concen: 0.23 ug/l

RT: 11.751 min Scan# 3238

Delta R.T. -0.003 min

Lab File: VU042339.D

Acq: 18 Feb 2021 10:08

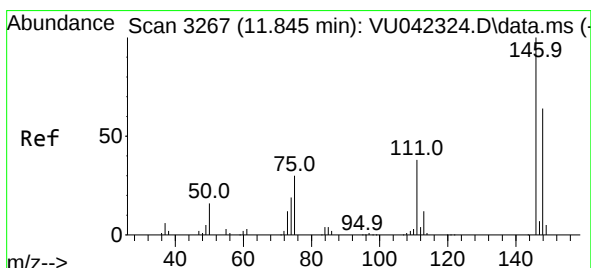
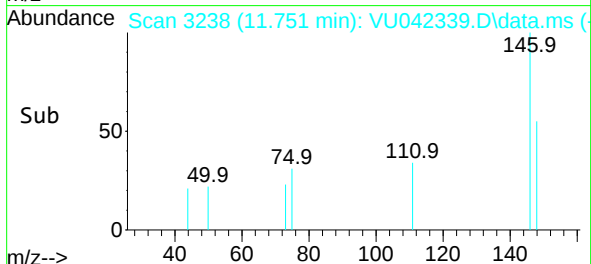
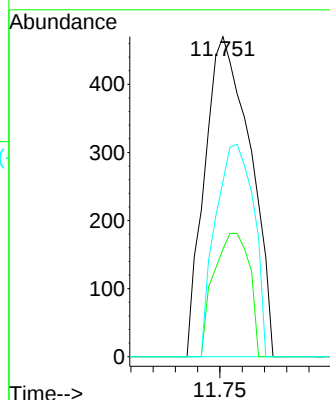
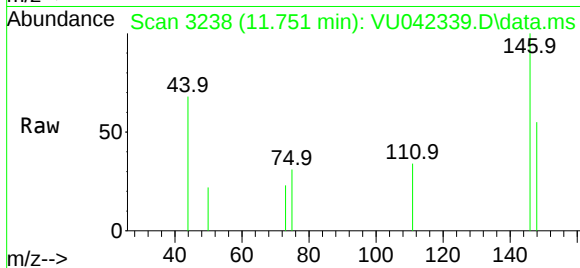
Tgt Ion:146 Resp: 666

Ion Ratio Lower Upper

146 100

111 30.0 19.9 59.6

148 55.7 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 0.22 ug/l

RT: 11.751 min Scan# 3238

Delta R.T. -0.093 min

Lab File: VU042339.D

Acq: 18 Feb 2021 10:08

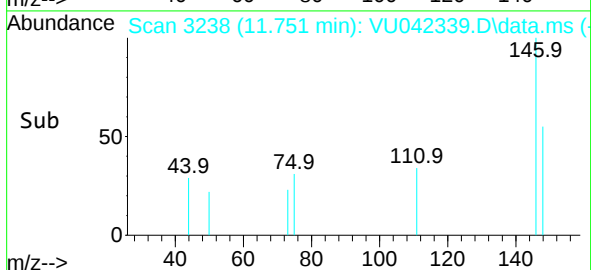
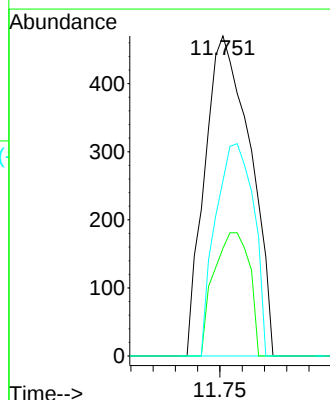
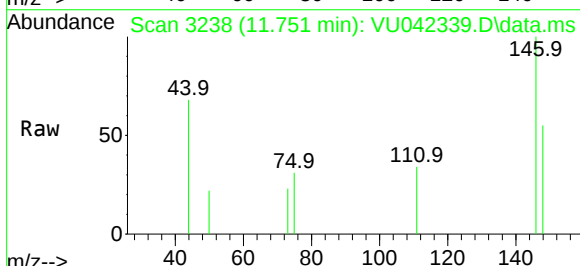
Tgt Ion:146 Resp: 666

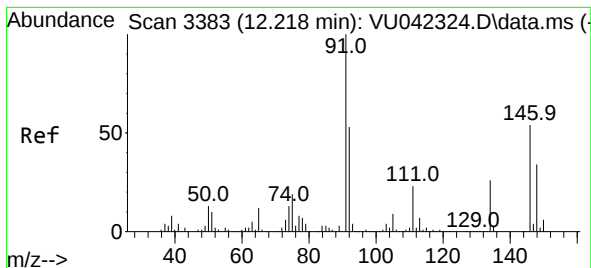
Ion Ratio Lower Upper

146 100

111 30.0 19.7 59.0

148 55.7 32.8 98.3

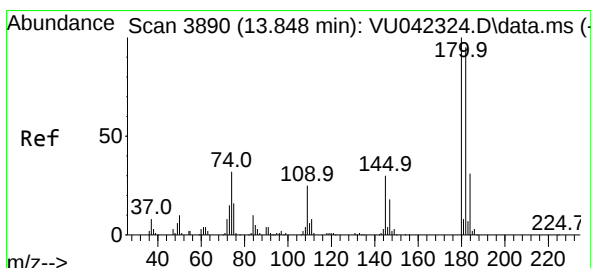
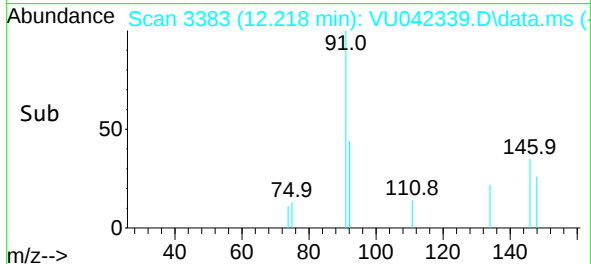
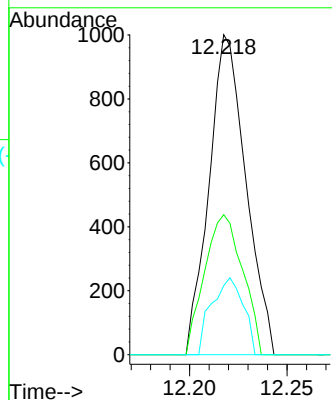
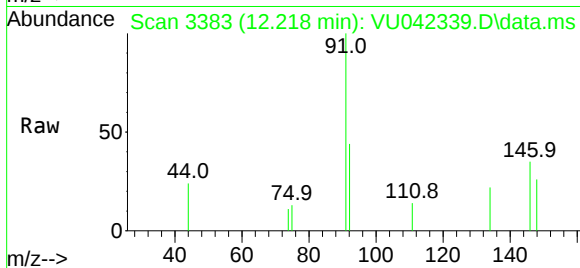




#89
n-Butylbenzene
Concen: 0.26 ug/l
RT: 12.218 min Scan# 3383
Delta R.T. -0.000 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

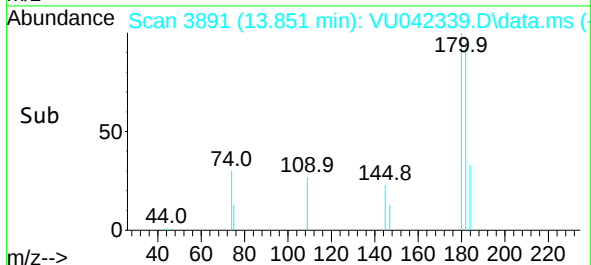
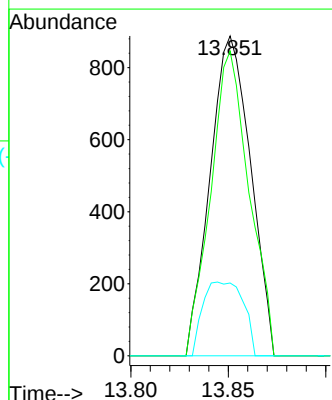
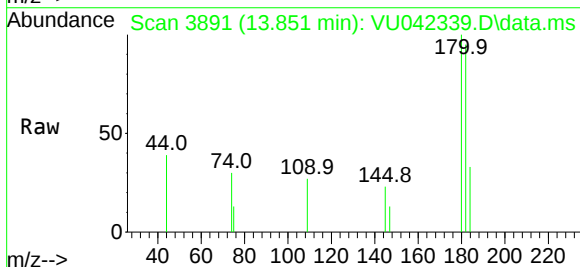
Instrument :
MSVOA_U
ClientSampled :

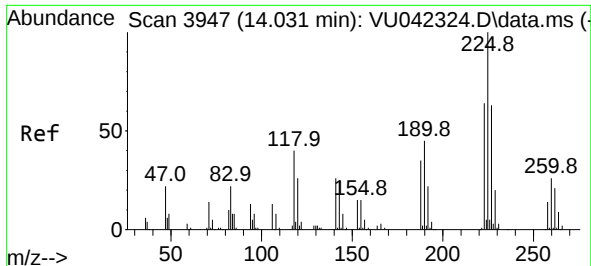
Tgt Ion: 91	Resp:	1314
Ion	Ratio	Lower Upper
91	100	
92	45.2	26.2 78.6
134	20.7	12.7 38.1



#93
1,2,4-Trichlorobenzene
Concen: 2.28 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.003 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

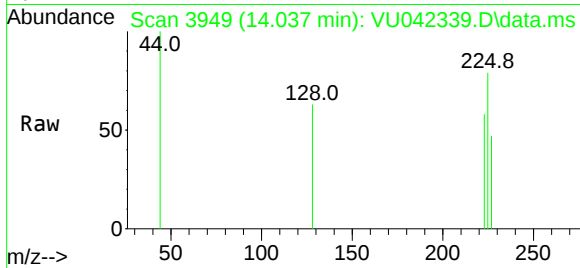
Tgt Ion: 180	Resp:	1282
Ion	Ratio	Lower Upper
180	100	
182	90.6	46.9 140.8
145	23.0	14.4 43.4



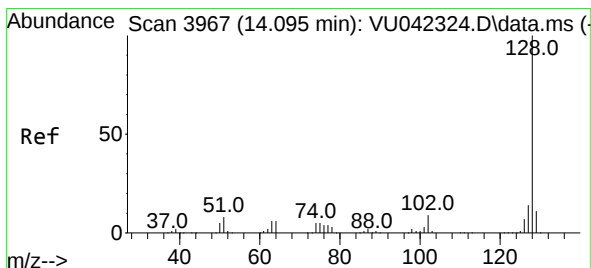
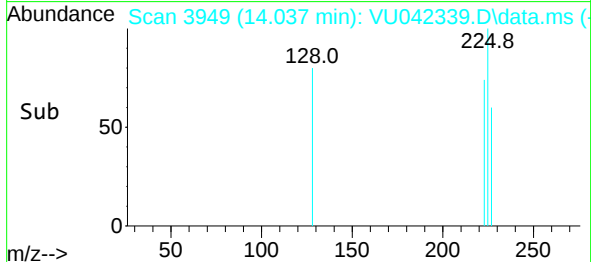
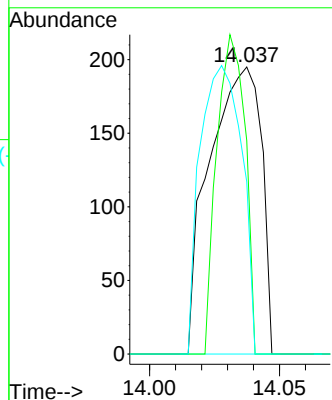


#94
Hexachlorobutadiene
Concen: 0.26 ug/l
RT: 14.037 min Scan# 3949
Delta R.T. 0.006 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

Instrument :
MSVOA_U
ClientSampled :

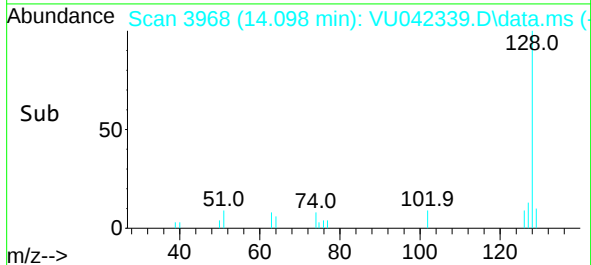
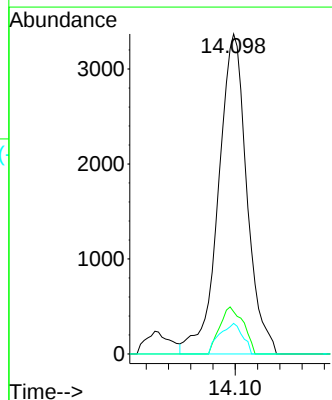
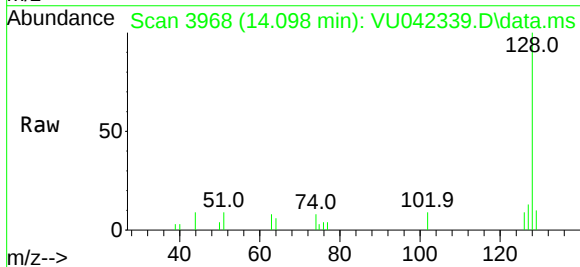


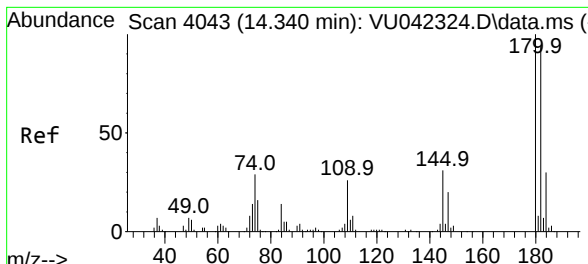
Tgt Ion:	225	Resp:	270
Ion	Ratio	Lower	Upper
225	100		
223	60.7	32.3	96.9
227	80.7	31.8	95.4



#95
Naphthalene
Concen: 3.10 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VU042339.D
Acq: 18 Feb 2021 10:08

Tgt Ion:	128	Resp:	5964
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.8	16.2
129	7.7	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.26 ug/l
 RT: 14.340 min Scan# 4043
 Delta R.T. -0.000 min
 Lab File: VU042339.D
 Acq: 18 Feb 2021 10:08

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:180 Resp: 1253
 Ion Ratio Lower Upper
 180 100
 182 111.0 48.0 144.0
 145 34.2 15.5 46.5

