

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022221\
 Data File : VU042396.D
 Acq On : 22 Feb 2021 15:44
 Operator : SY/MD
 Sample : M1457-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

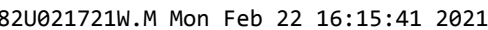
Quant Time: Feb 22 16:15:30 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 19 02:55:52 2021
 Response via : Initial Calibration

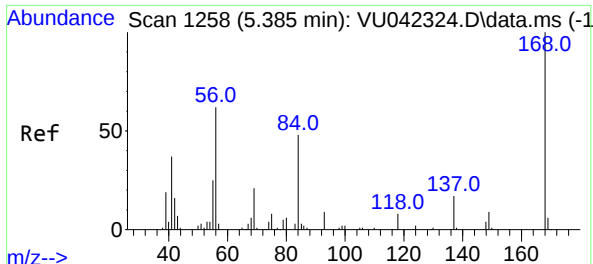
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.382	168	181630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	271296	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	245112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	116265	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	132551	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.24%	
35) Dibromofluoromethane	5.298	113	93033	48.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.16%	
50) Toluene-d8	7.906	98	333975	48.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.40%	
62) 4-Bromofluorobenzene	10.639	95	120368	44.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.06%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.359	85	731	0.33	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.584	101	1447	0.84	ug/l #	75
16) Acetone	2.645	43	40333	23.61	ug/l	98
20) Methylene Chloride	3.054	84	726	0.37	ug/l #	80
25) 2-Butanone	4.729	43	4074	1.79	ug/l	95
27) cis-1,2-Dichloroethene	4.677	96	5419	2.61	ug/l	87
28) Bromochloromethane	5.099	49	1256	0.67	ug/l #	16
30) Chloroform	5.099	83	13859	3.73	ug/l	92
31) Cyclohexane	5.385	56	4099	1.14	ug/l #	26
36) 1,1-Dichloropropene	5.382	75	14238	5.31	ug/l #	48
37) Ethyl Acetate	4.729	43	4074	0.98	ug/l #	71
38) Carbon Tetrachloride	5.382	117	17836	6.22	ug/l #	16
40) Benzene	5.787	78	3099	0.41	ug/l	100
44) Trichloroethene	6.552	130	67280	33.50	ug/l	96
48) Methyl methacrylate	6.970	41	650	0.21	ug/l #	40
51) 4-Methyl-2-Pentanone	7.803	43	854	0.21	ug/l #	65
52) Toluene	7.976	92	330670	71.08	ug/l	100
53) t-1,3-Dichloropropene	7.976	75	4554	1.45	ug/l #	1
59) 2-Hexanone	8.690	43	773	0.23	ug/l	93
60) Dibromochloromethane	8.558	129	630	0.28	ug/l #	11
64) Tetrachloroethene	8.562	164	623	0.34	ug/l #	88
68) m/p-Xylenes	9.700	106	767	0.23	ug/l	85
69) o-Xylene	10.105	106	675	0.21	ug/l	81
74) N-amyl acetate	10.352	43	1169	0.26	ug/l #	24
76) 1,2,3-Trichloropropane	10.639	75	67143	23.36	ug/l #	36
81) trans-1,4-Dichloro-2-b...	10.639	75	67143	63.50	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.475	105	1450	0.22	ug/l #	65
95) Naphthalene	14.095	128	2323	2.50	ug/l #	90

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

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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

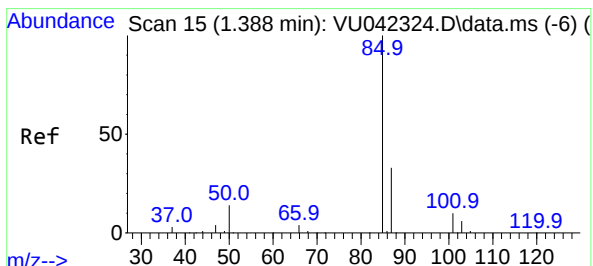
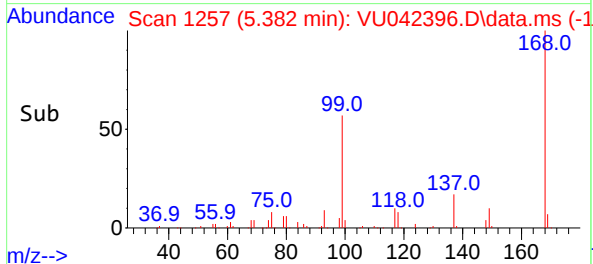
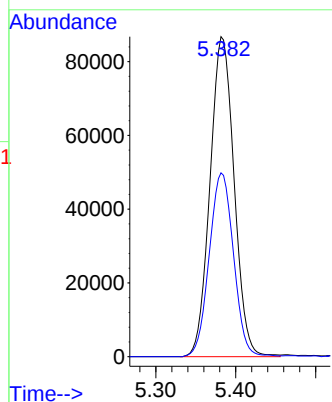
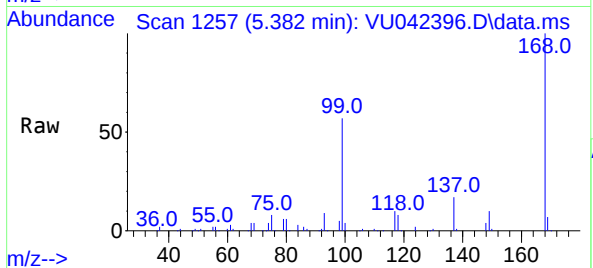




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

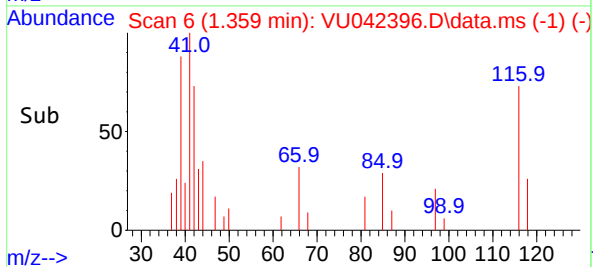
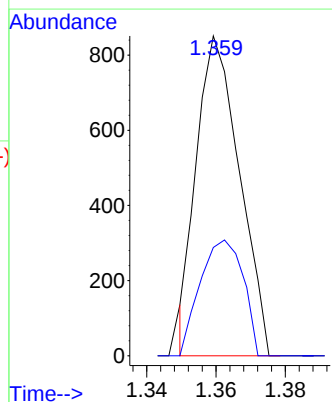
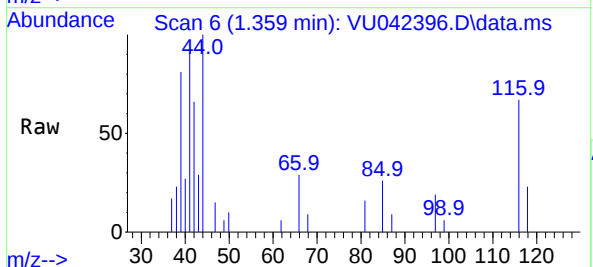
Instrument :
MSVOA_U
ClientSampleId :

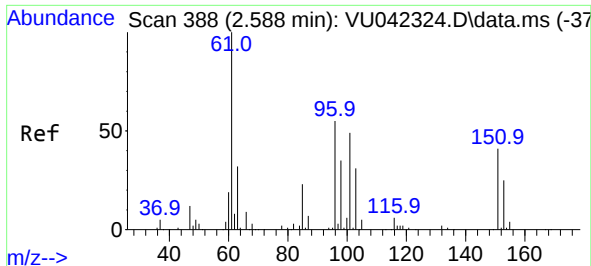
Tgt Ion:168 Resp: 181630
Ion Ratio Lower Upper
168 100
99 57.5 45.0 67.4



#2
Dichlorodifluoromethane
Concen: 0.33 ug/l
RT: 1.359 min Scan# 6
Delta R.T. -0.029 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Tgt Ion: 85 Resp: 731
Ion Ratio Lower Upper
85 100
87 33.8 16.5 49.5

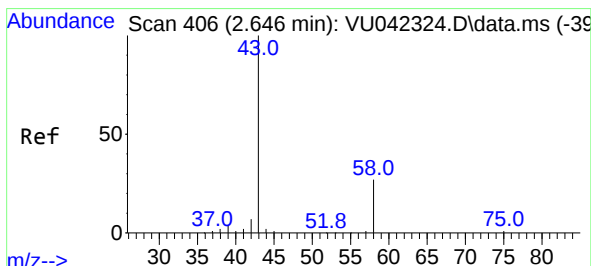
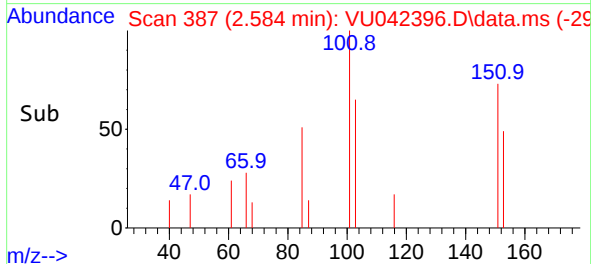
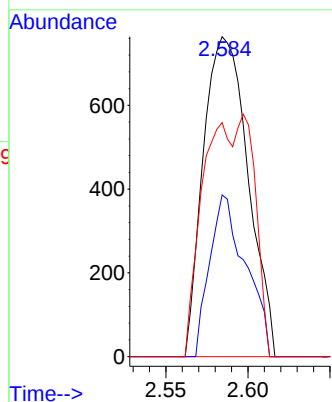
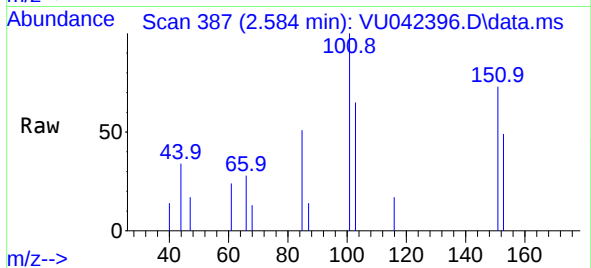




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.84 ug/l
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

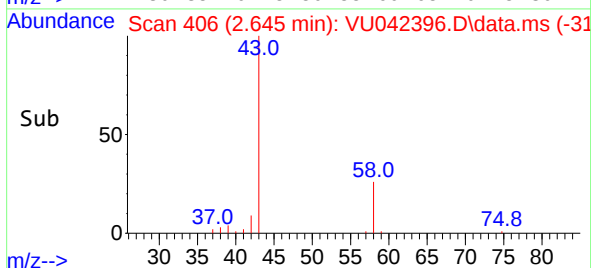
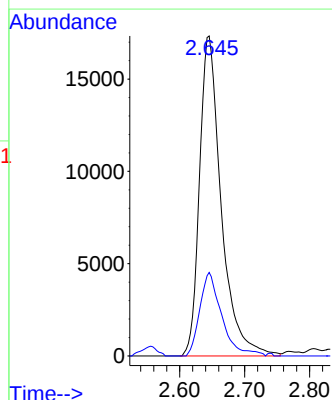
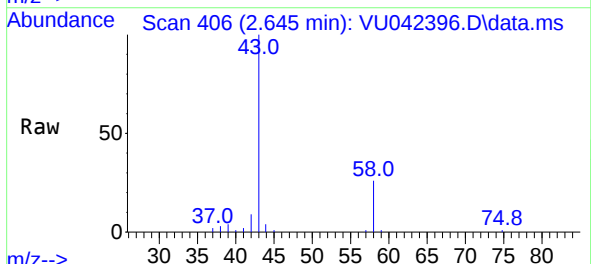
Instrument :
MSVOA_U
ClientSampleId :

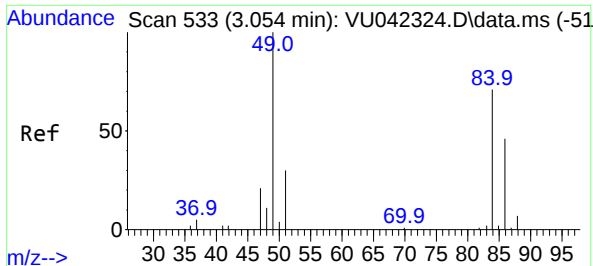
Tgt Ion:101 Resp: 1447
Ion Ratio Lower Upper
101 100
85 40.6 37.4 56.0
151 52.1 65.8 98.8#



#16
Acetone
Concen: 23.61 ug/l
RT: 2.645 min Scan# 406
Delta R.T. -0.000 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Tgt Ion: 43 Resp: 40333
Ion Ratio Lower Upper
43 100
58 26.1 21.5 32.3



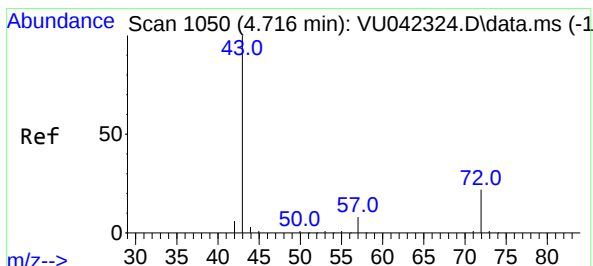
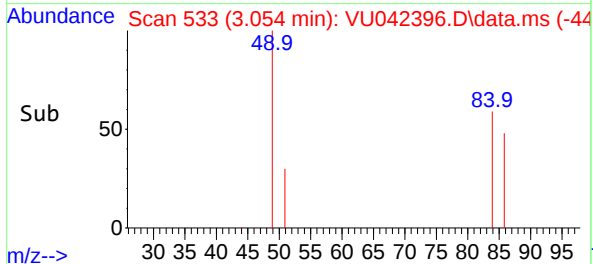
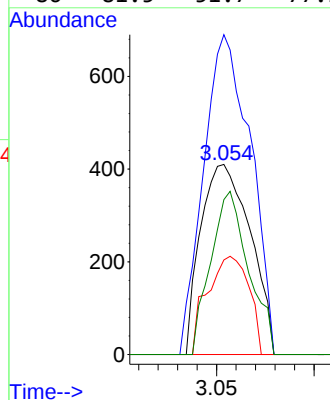
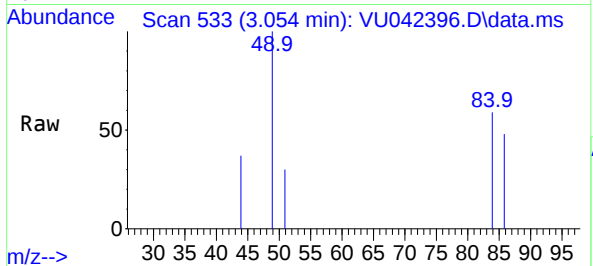


#20
Methylene Chloride
Concen: 0.37 ug/l
RT: 3.054 min Scan# 533
Delta R.T. -0.000 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 84 Resp: 726

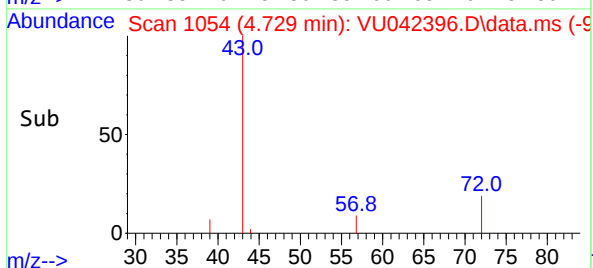
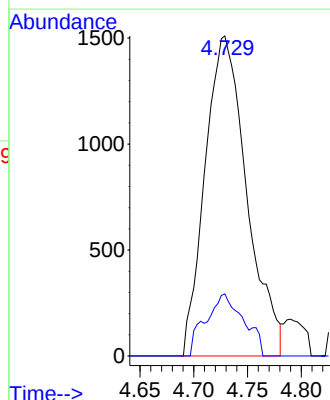
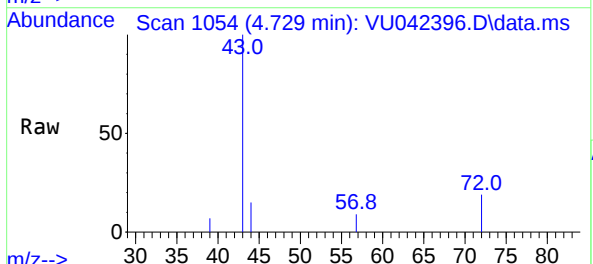
Ion	Ratio	Lower	Upper
84	100		
49	168.3	112.6	169.0
51	49.8	33.7	50.5
86	81.5	51.7	77.5#

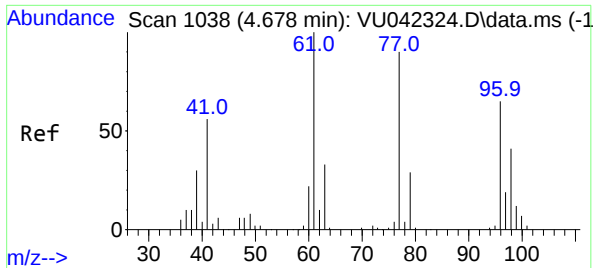


#25
2-Butanone
Concen: 1.79 ug/l
RT: 4.729 min Scan# 1054
Delta R.T. 0.013 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Tgt Ion: 43 Resp: 4074

Ion	Ratio	Lower	Upper
43	100		
72	19.4	17.4	26.0



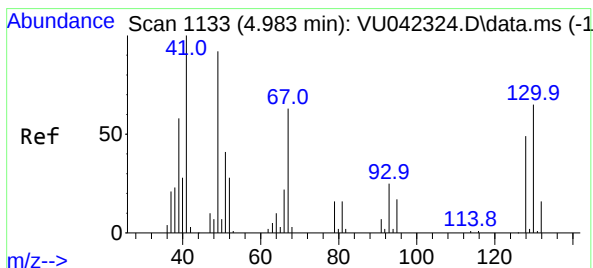
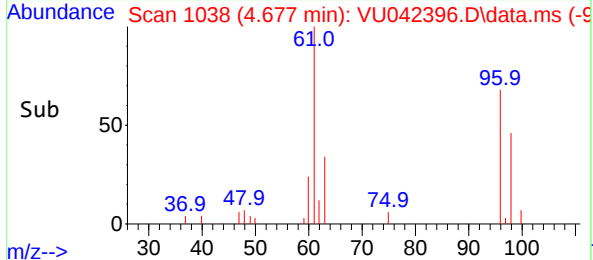
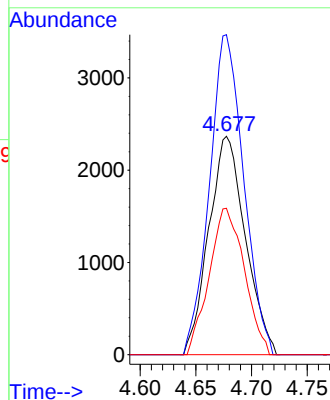
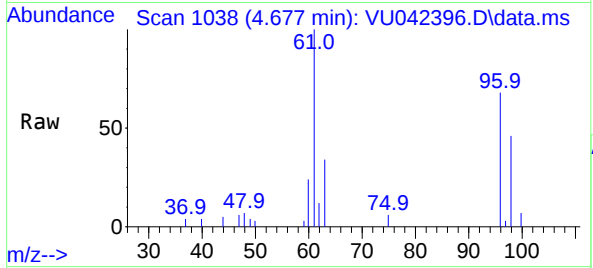


#27
 cis-1,2-Dichloroethene
 Concen: 2.61 ug/l
 RT: 4.677 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VU042396.D
 Acq: 22 Feb 2021 15:44

Instrument :
 MSVOA_U
 ClientSampled :

Tgt Ion: 96 Resp: 5419

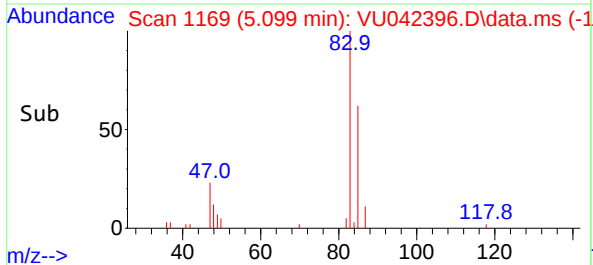
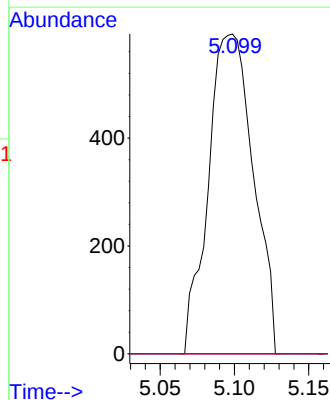
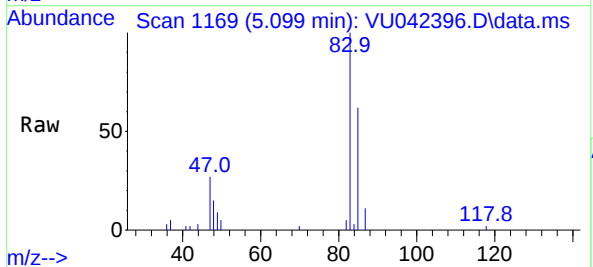
Ion	Ratio	Lower	Upper
96	100		
61	137.1	0.0	322.2
98	64.3	0.0	128.6

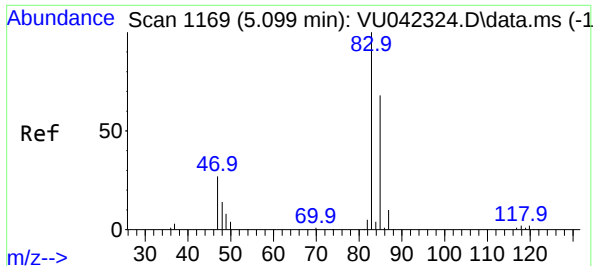


#28
 Bromochloromethane
 Concen: 0.67 ug/l
 RT: 5.099 min Scan# 1169
 Delta R.T. 0.115 min
 Lab File: VU042396.D
 Acq: 22 Feb 2021 15:44

Tgt Ion: 49 Resp: 1256

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	0.0	57.1	85.7#



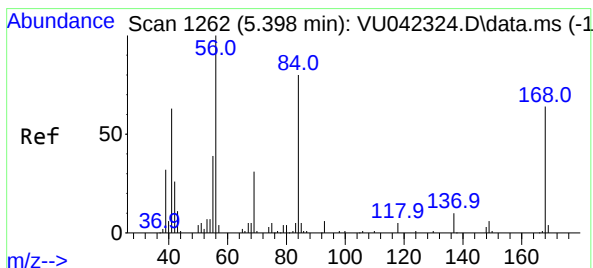
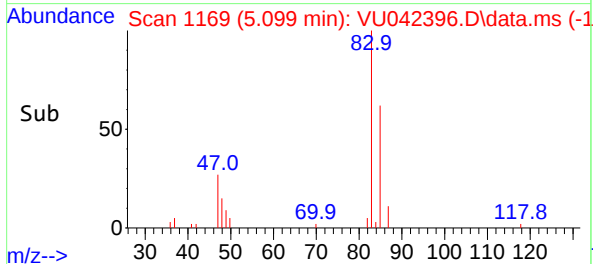
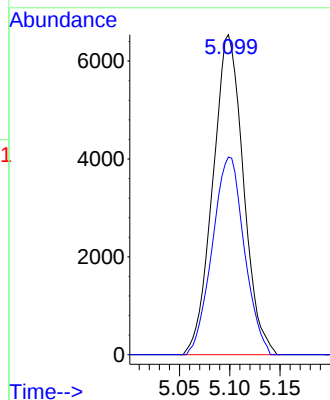
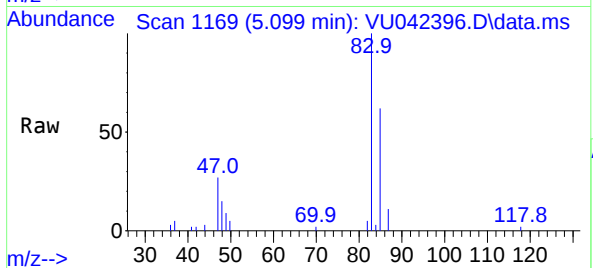


#30

Chloroform
Concen: 3.73 ug/l
RT: 5.099 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Instrument :
MSVOA_U
ClientSampled :

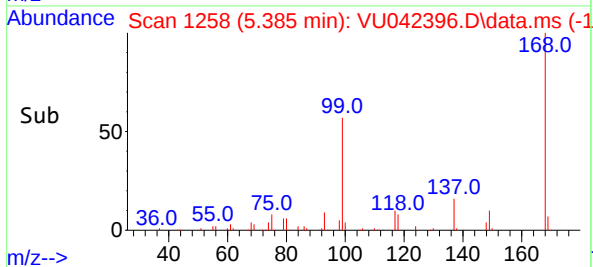
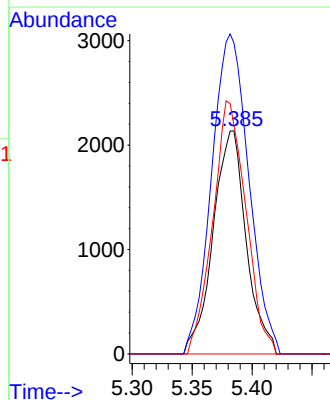
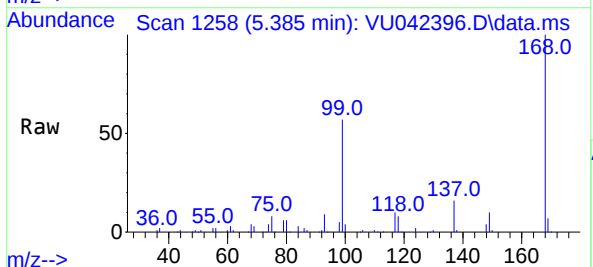
Tgt Ion: 83 Resp: 13859
Ion Ratio Lower Upper
83 100
85 61.8 54.6 81.8

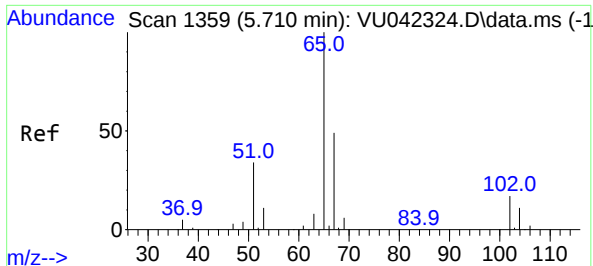


#31

Cyclohexane
Concen: 1.14 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.013 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Tgt Ion: 56 Resp: 4099
Ion Ratio Lower Upper
56 100
69 139.3 24.9 37.3#
84 102.3 63.7 95.5#

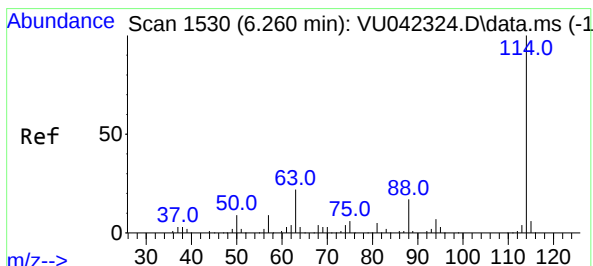
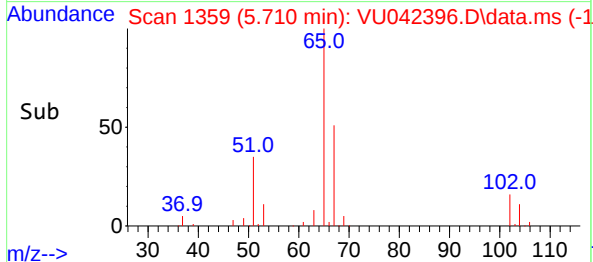
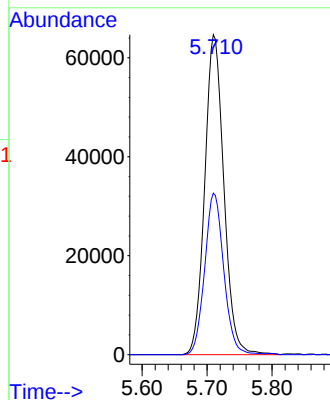
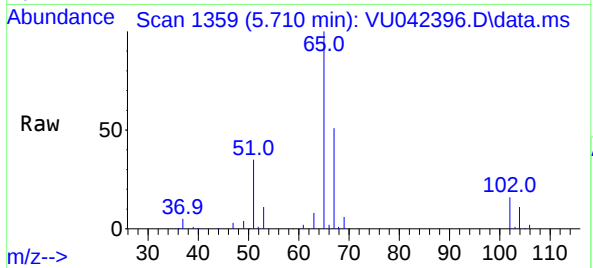




#33
1,2-Dichloroethane-d4
Concen: 48.12 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

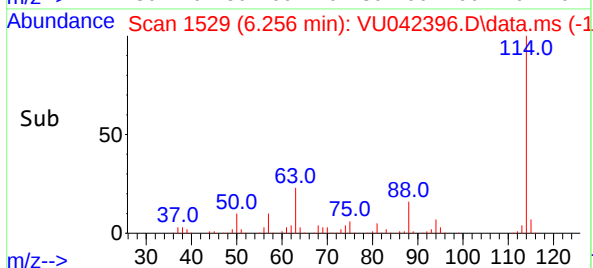
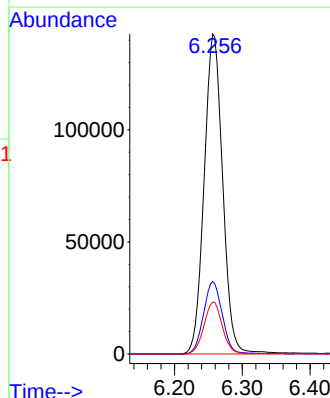
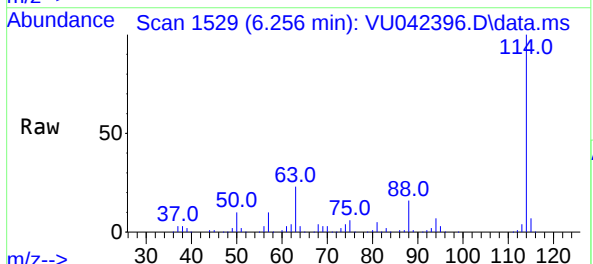
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ClientSampleId :

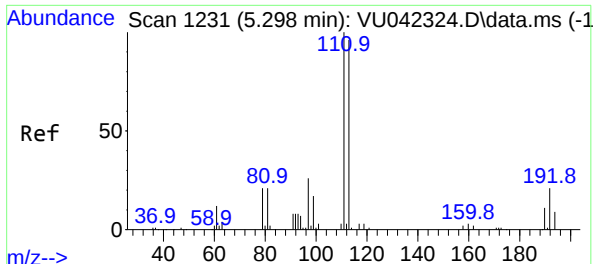
Tgt Ion: 65 Resp: 132551
Ion Ratio Lower Upper
65 100
67 50.3 0.0 99.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. -0.003 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Tgt Ion: 114 Resp: 271296
Ion Ratio Lower Upper
114 100
63 22.6 0.0 44.2
88 16.2 0.0 33.4



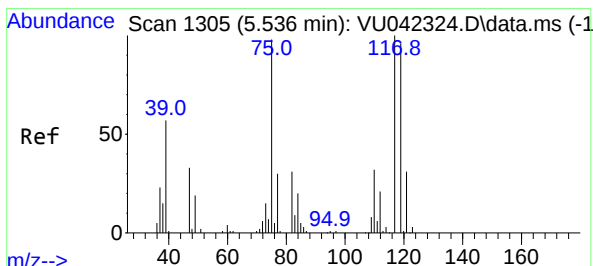
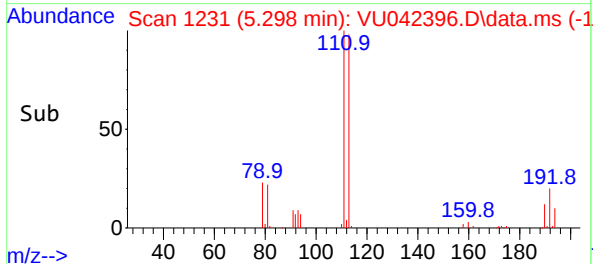
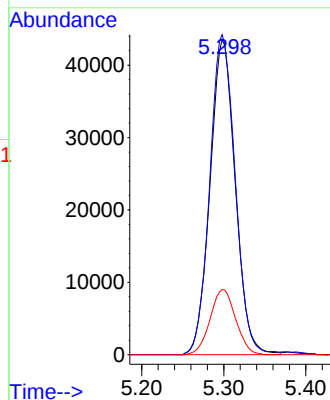
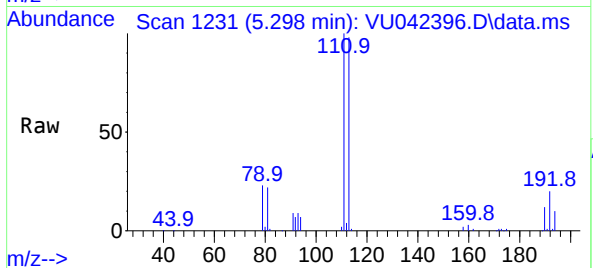


#35
Dibromofluoromethane
Concen: 48.58 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:113 Resp: 93033

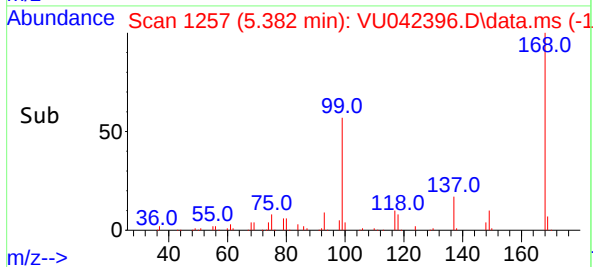
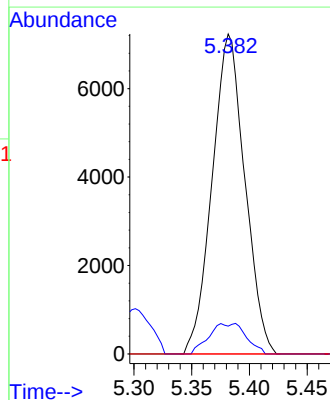
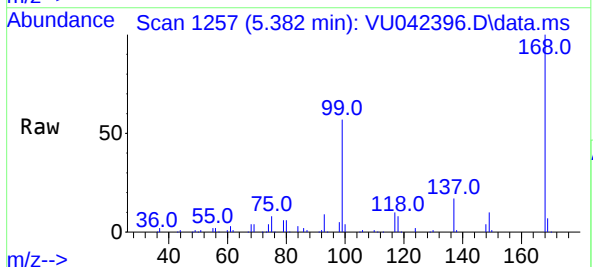
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.8
192	21.0	17.2	25.8

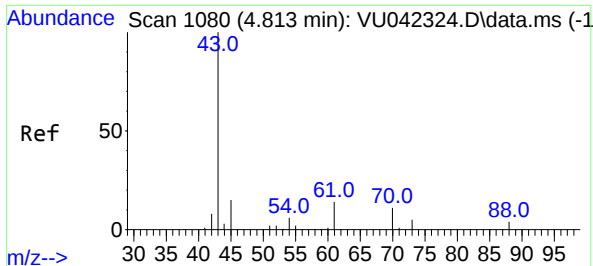


#36
1,1-Dichloropropene
Concen: 5.31 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.155 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Tgt Ion: 75 Resp: 14238

Ion	Ratio	Lower	Upper
75	100		
110	6.0	16.8	50.3#
77	0.0	24.8	37.2#

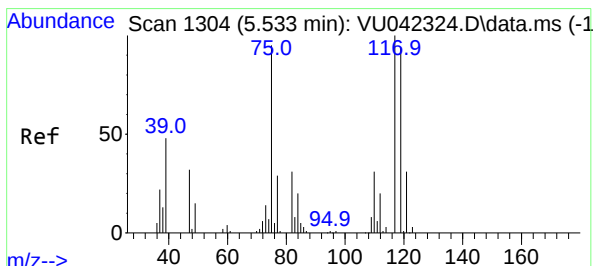
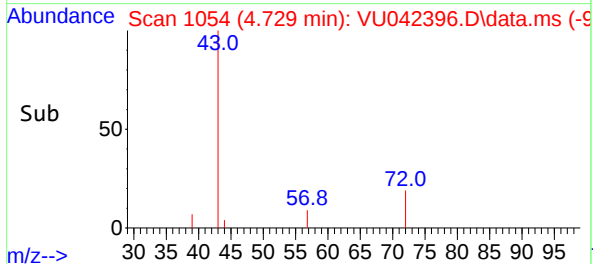
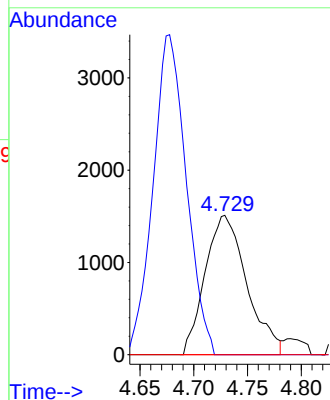
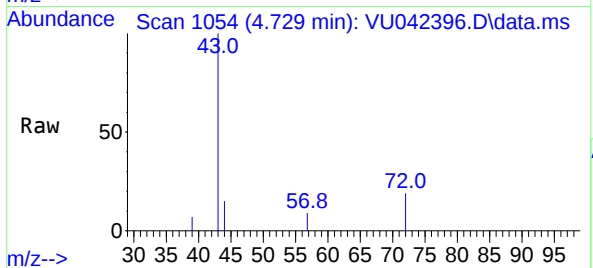




#37
Ethyl Acetate
Concen: 0.98 ug/l
RT: 4.729 min Scan# 1054
Delta R.T. -0.084 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

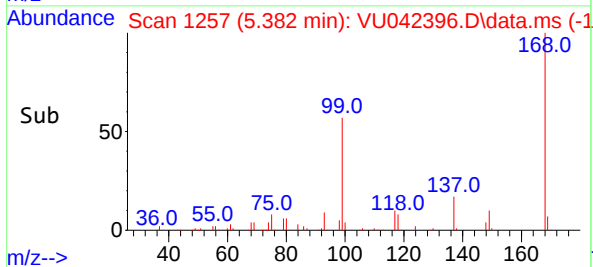
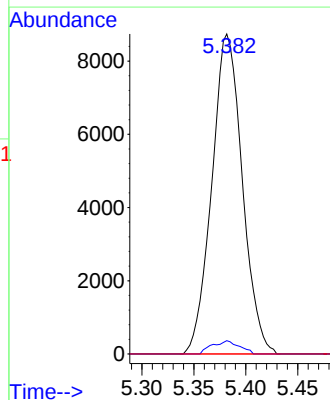
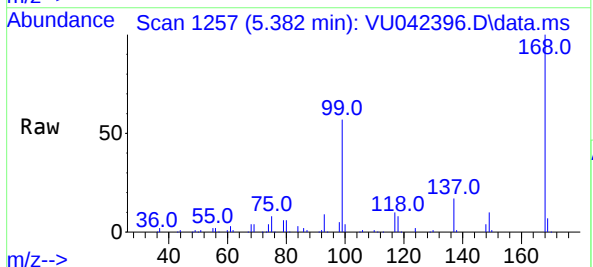
Instrument :
MSVOA_U
ClientSampled :

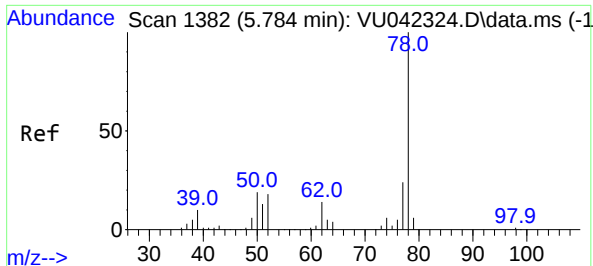
Tgt Ion: 43	Resp:	4074
Ion Ratio	Lower	Upper
43	100	
61	0.0	10.1 15.1#
70	0.0	7.2 10.8#



#38
Carbon Tetrachloride
Concen: 6.22 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Tgt Ion: 117	Resp:	17836
Ion Ratio	Lower	Upper
117	100	
119	4.2	75.5 113.3#
121	0.0	24.7 37.1#

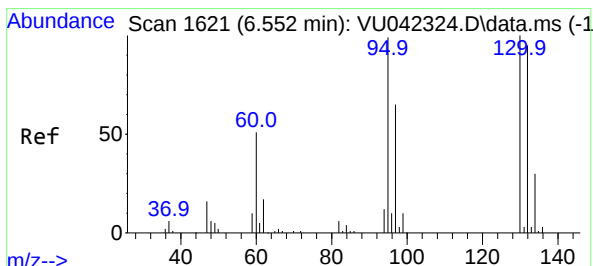
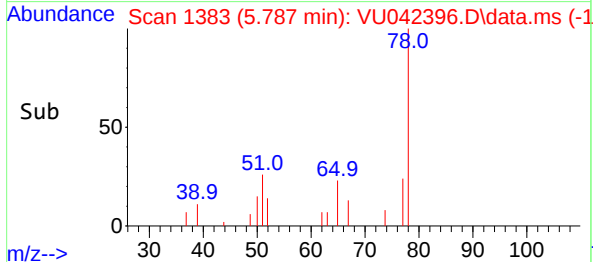
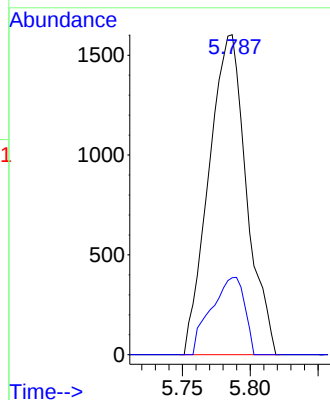
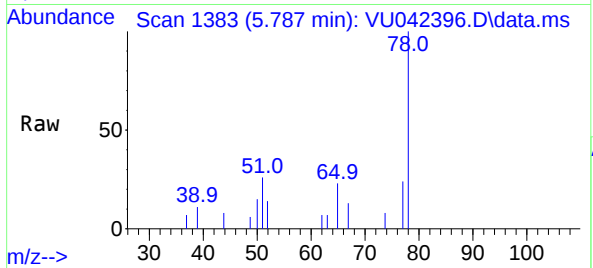




#40
Benzene
Concen: 0.41 ug/l
RT: 5.787 min Scan# 1383
Delta R.T. 0.003 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

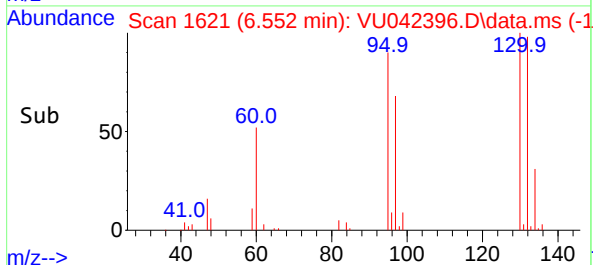
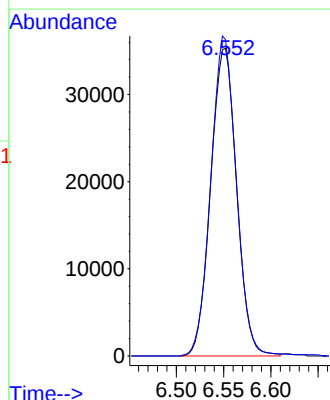
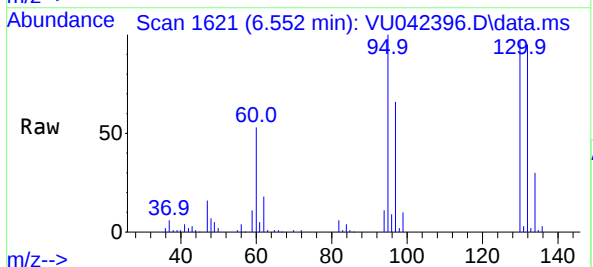
Instrument :
MSVOA_U
ClientSampled :

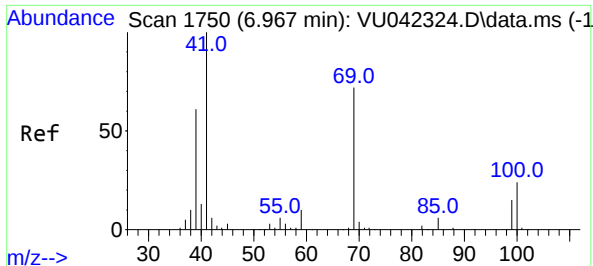
Tgt Ion: 78 Resp: 3099
Ion Ratio Lower Upper
78 100
77 24.1 19.3 28.9



#44
Trichloroethene
Concen: 33.50 ug/l
RT: 6.552 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Tgt Ion:130 Resp: 67280
Ion Ratio Lower Upper
130 100
95 102.8 0.0 197.8





#48

Methyl methacrylate

Concen: 0.21 ug/l

RT: 6.970 min Scan# 1751

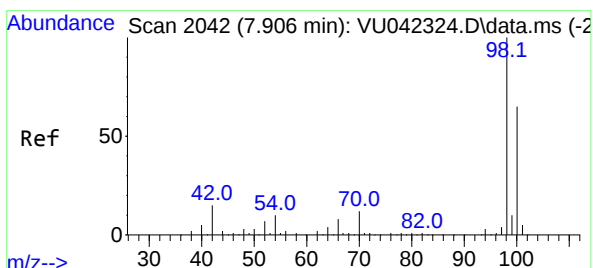
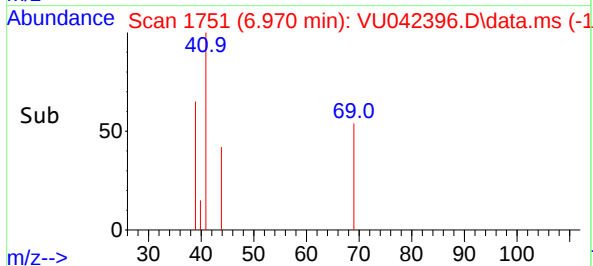
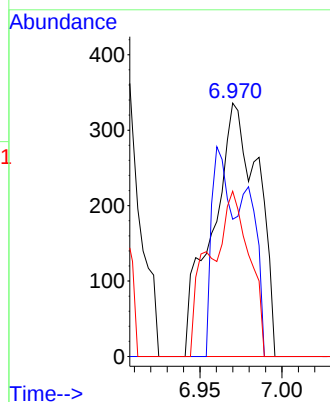
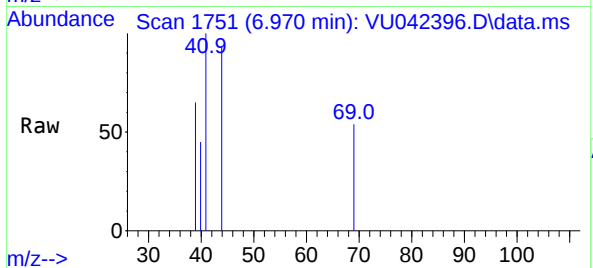
Delta R.T. 0.003 min

Lab File: VU042396.D

Acq: 22 Feb 2021 15:44

Tgt Ion:	41	Resp:	650
Ion	Ratio	Lower	Upper
41	100		
69	0.0	57.0	85.6#
39	37.8	48.4	72.6#

Instrument :
MSVOA_U
ClientSampled :



#50

Toluene-d8

Concen: 48.70 ug/l

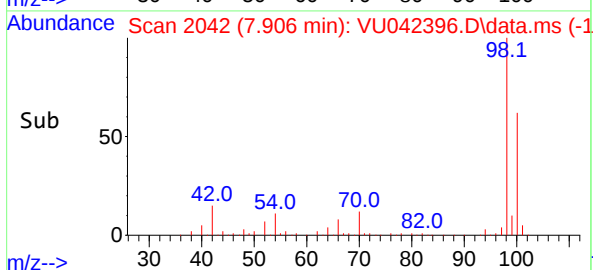
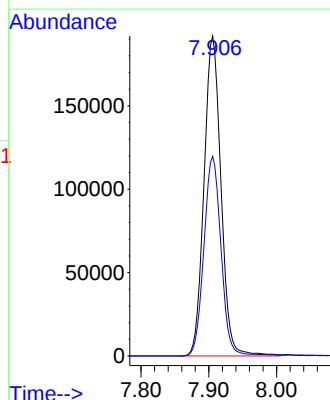
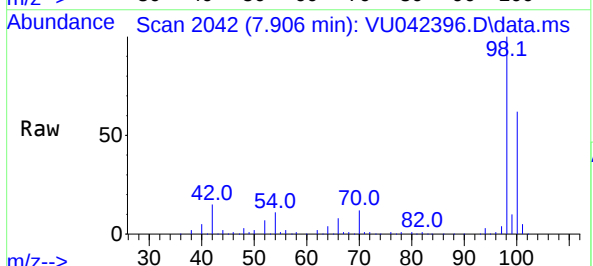
RT: 7.906 min Scan# 2042

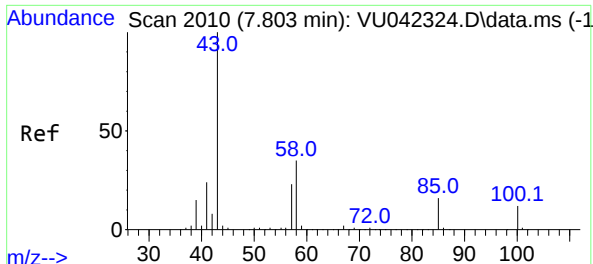
Delta R.T. -0.000 min

Lab File: VU042396.D

Acq: 22 Feb 2021 15:44

Tgt Ion:	98	Resp:	333975
Ion	Ratio	Lower	Upper
98	100		
100	63.0	50.2	75.2

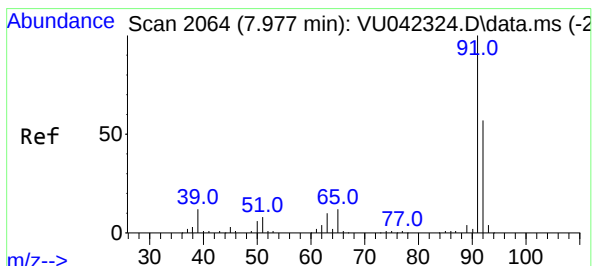
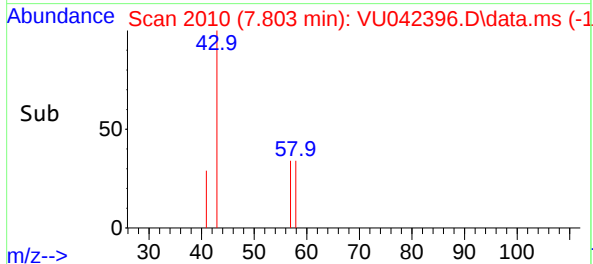
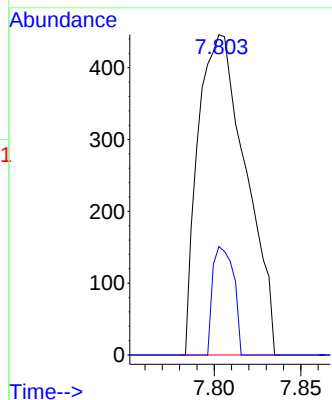
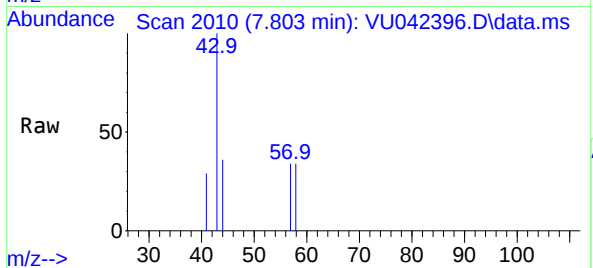




#51
4-Methyl-2-Pentanone
Concen: 0.21 ug/l
RT: 7.803 min Scan# 2010
Delta R.T. -0.000 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

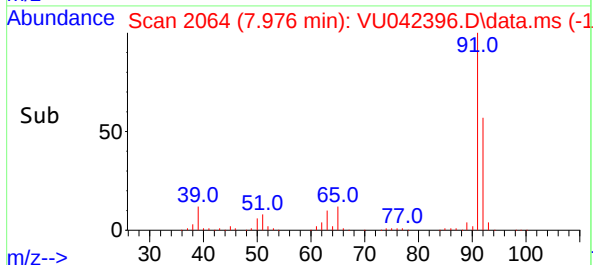
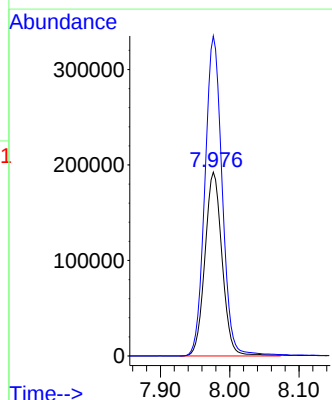
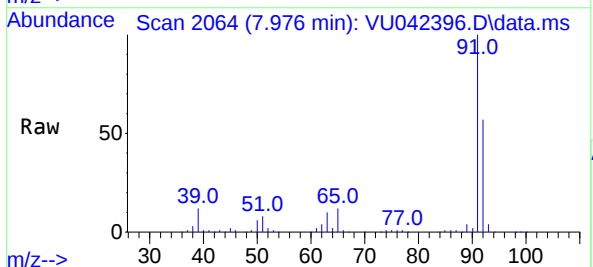
Instrument :
MSVOA_U
ClientSampled :

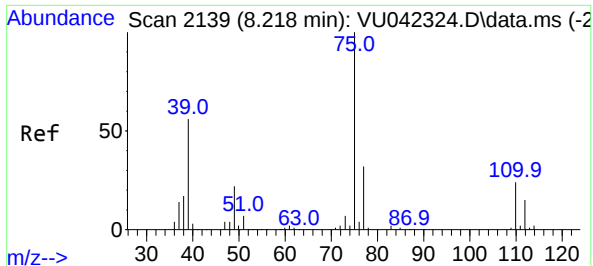
Tgt Ion: 43 Resp: 854
Ion Ratio Lower Upper
43 100
58 14.8 28.1 42.1#



#52
Toluene
Concen: 71.08 ug/l
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Tgt Ion: 92 Resp: 330670
Ion Ratio Lower Upper
92 100
91 175.2 140.3 210.5

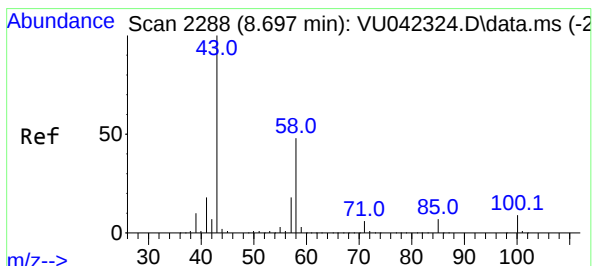
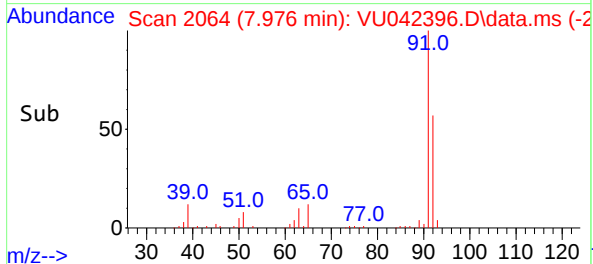
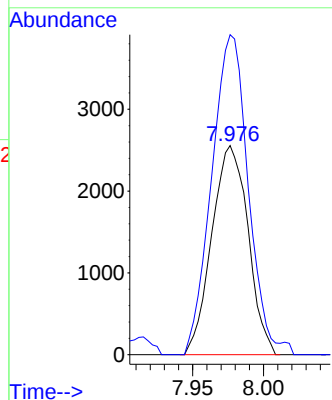
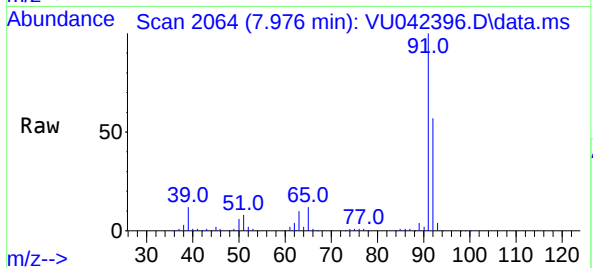




#53
t-1,3-Dichloropropene
Concen: 1.45 ug/l
RT: 7.976 min Scan# 2064
Delta R.T. -0.241 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

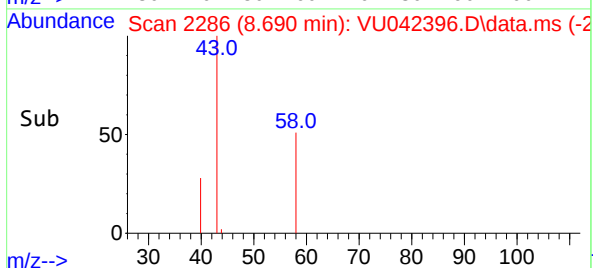
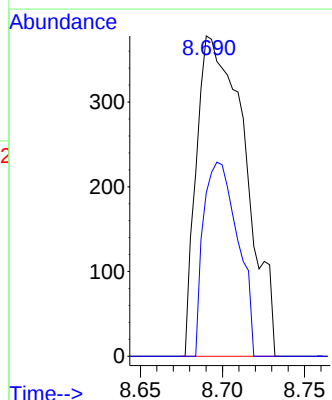
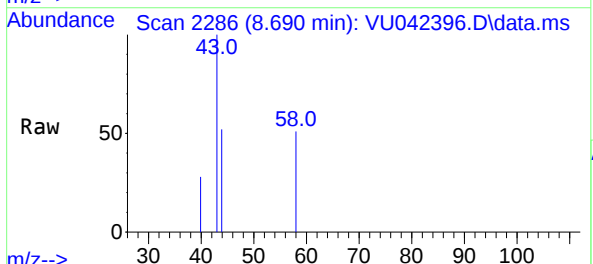
Instrument :
MSVOA_U
ClientSampled :

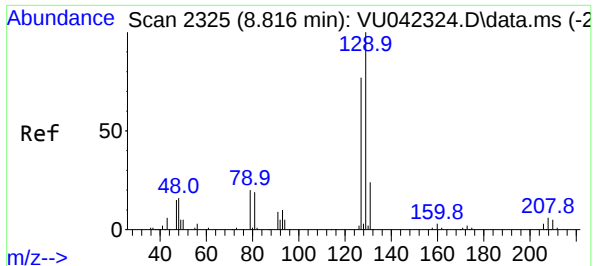
Tgt Ion: 75 Resp: 4554
Ion Ratio Lower Upper
75 100
77 153.1 25.6 38.4#



#59
2-Hexanone
Concen: 0.23 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. -0.007 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Tgt Ion: 43 Resp: 773
Ion Ratio Lower Upper
43 100
58 42.9 24.0 72.0

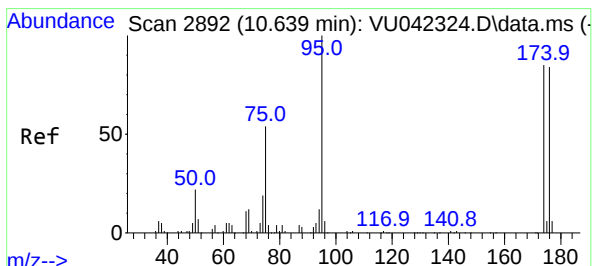
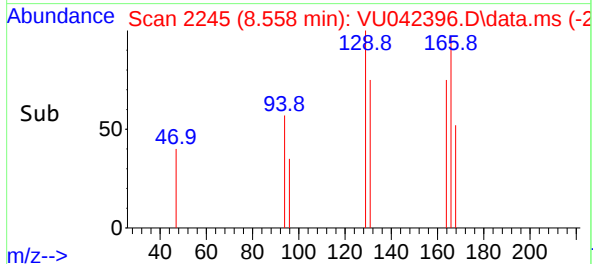
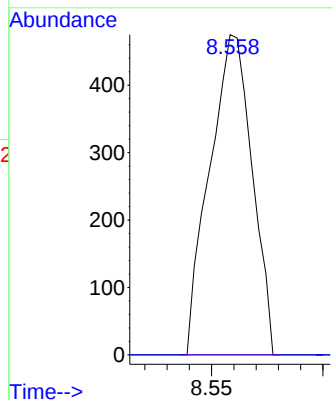
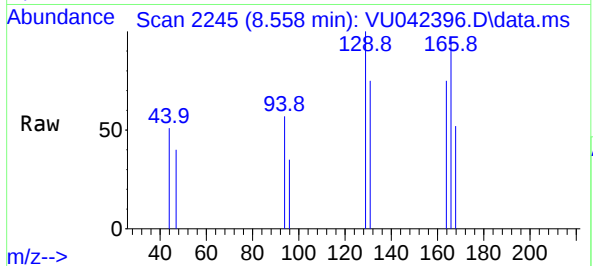




#60
Dibromochloromethane
Concen: 0.28 ug/l
RT: 8.558 min Scan# 2245
Delta R.T. -0.257 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

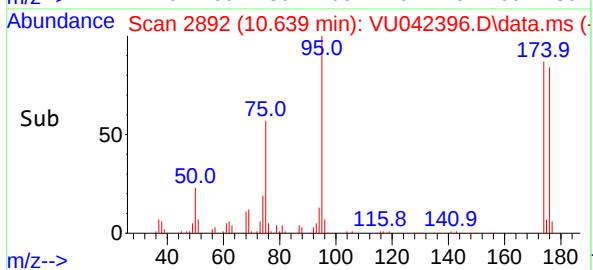
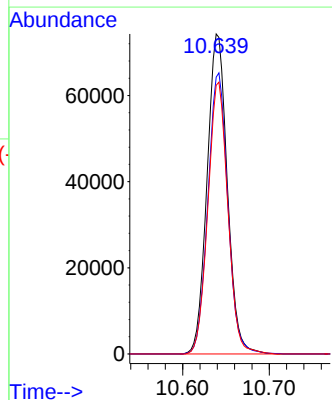
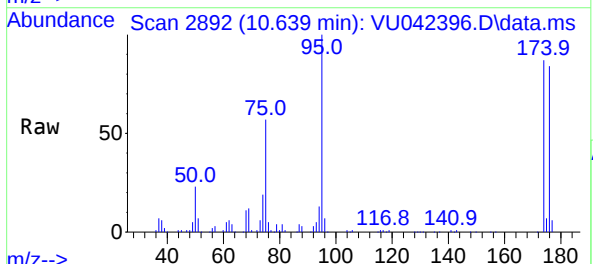
Instrument :
MSVOA_U
ClientSampled :

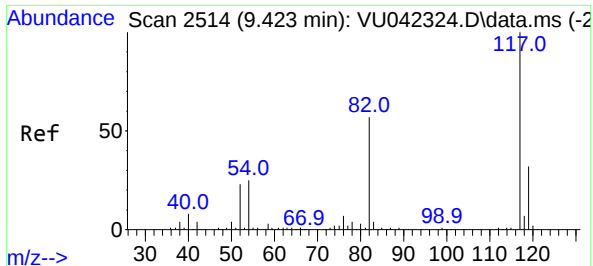
Tgt Ion:129 Resp: 630
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 44.53 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Tgt Ion: 95 Resp: 120368
Ion Ratio Lower Upper
95 100
174 86.8 0.0 172.2
176 83.7 0.0 168.8

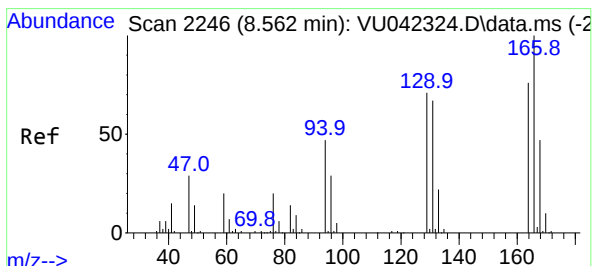
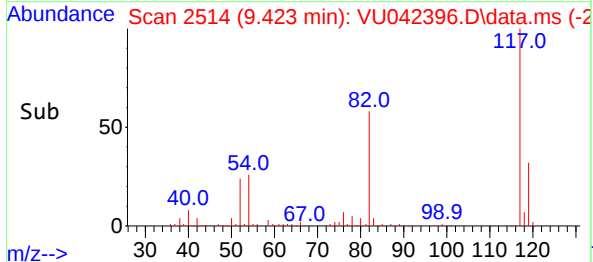
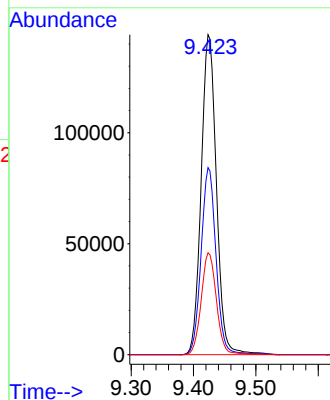
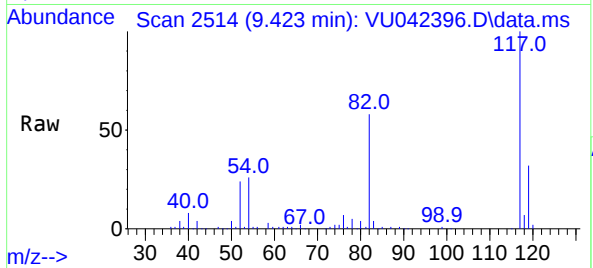




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

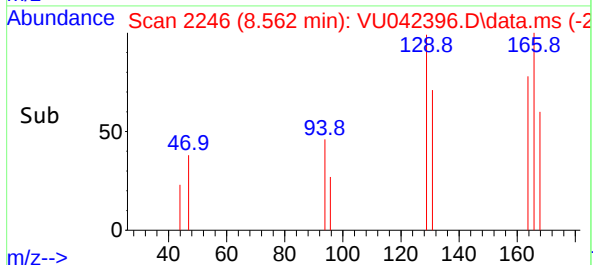
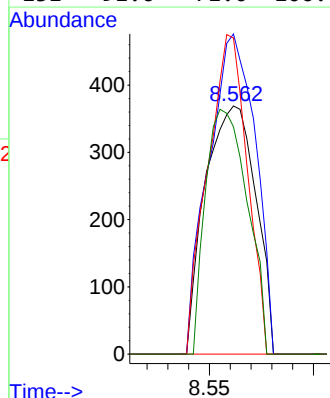
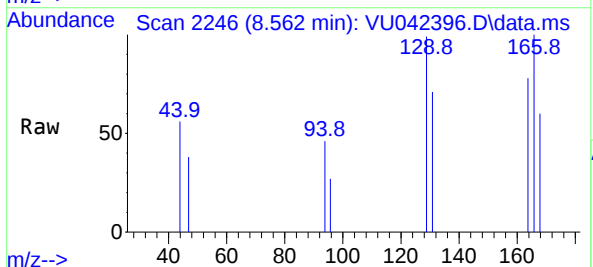
Instrument :
MSVOA_U
ClientSampled :

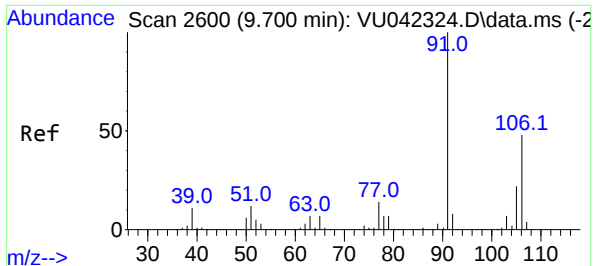
Tgt Ion:117 Resp: 245112
Ion Ratio Lower Upper
117 100
82 58.5 45.8 68.6
119 31.9 25.8 38.8



#64
Tetrachloroethene
Concen: 0.34 ug/l
RT: 8.562 min Scan# 2246
Delta R.T. -0.000 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Tgt Ion:164 Resp: 623
Ion Ratio Lower Upper
164 100
166 129.0 105.3 157.9
129 127.4 75.0 112.6#
131 91.6 71.0 106.6

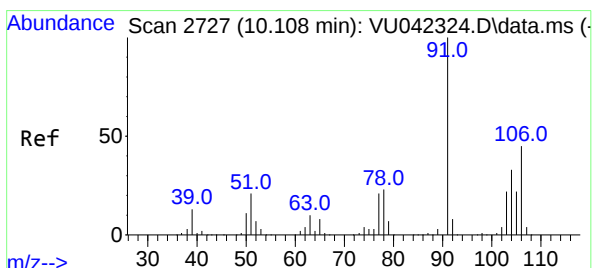
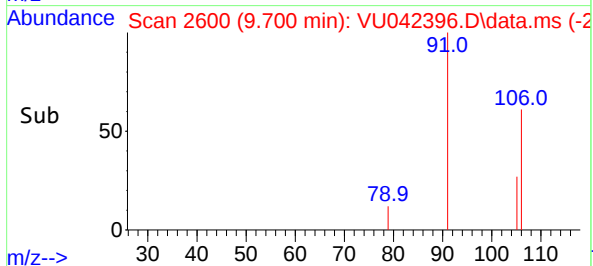
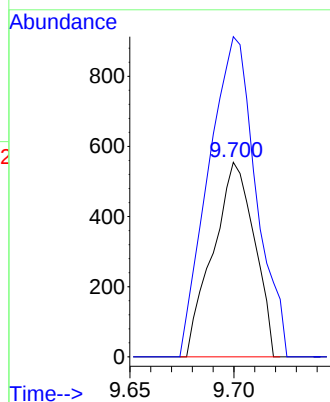
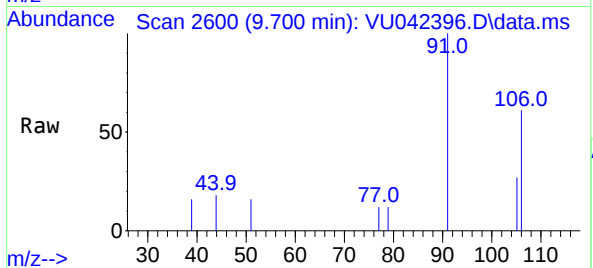




#68
m/p-Xylenes
Concen: 0.23 ug/l
RT: 9.700 min Scan# 2600
Delta R.T. -0.000 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

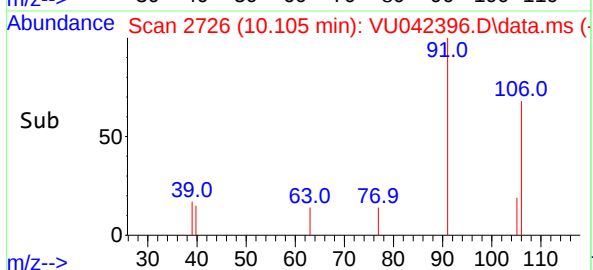
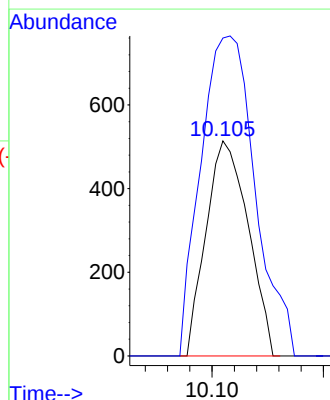
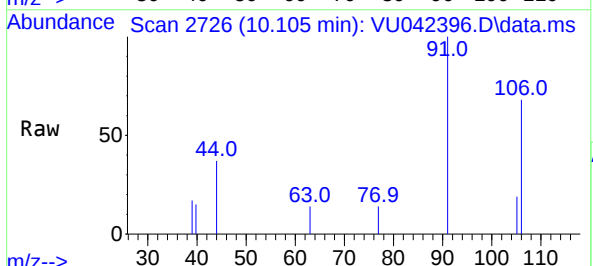
Instrument :
MSVOA_U
ClientSampled :

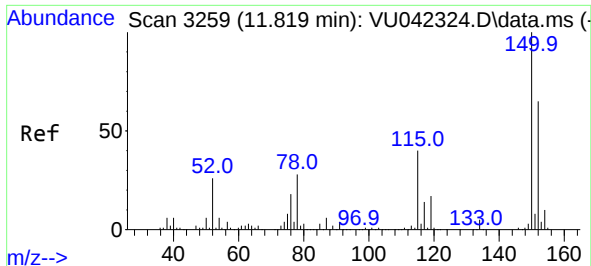
Tgt Ion:106 Resp: 767
Ion Ratio Lower Upper
106 100
91 189.0 169.9 254.9



#69
o-Xylene
Concen: 0.21 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Tgt Ion:106 Resp: 675
Ion Ratio Lower Upper
106 100
91 192.3 111.2 333.6

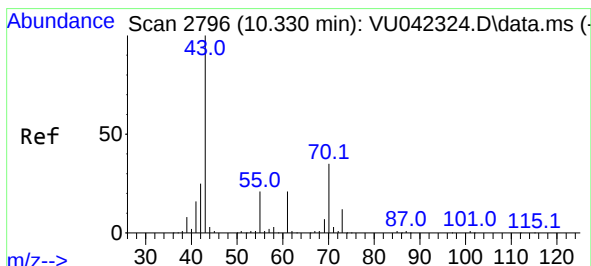
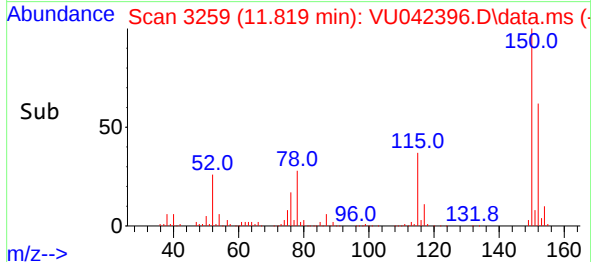
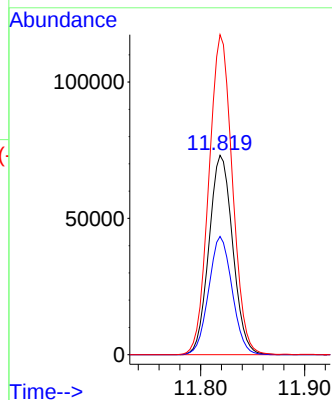
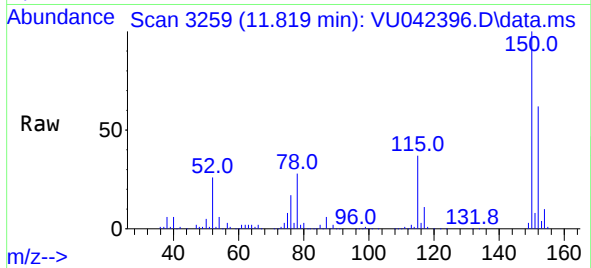




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

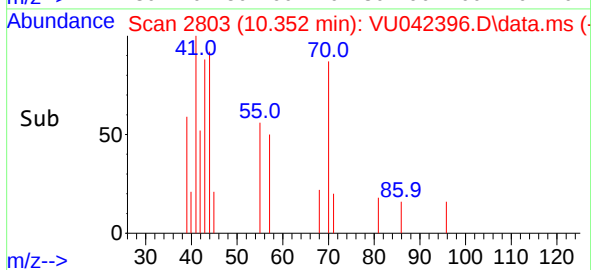
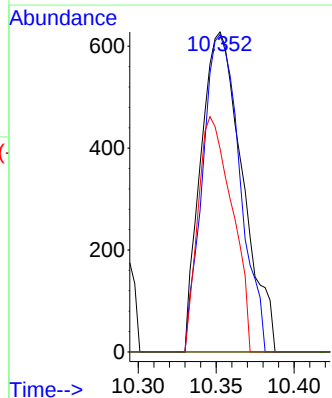
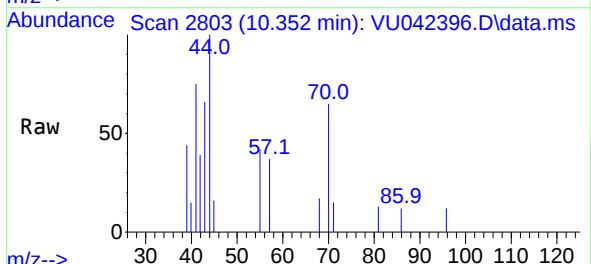
Instrument :
MSVOA_U
ClientSampleId :

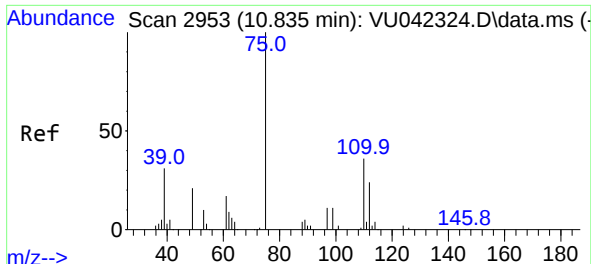
Tgt Ion:152 Resp: 116265
Ion Ratio Lower Upper
152 100
115 58.4 41.5 124.6
150 158.7 0.0 342.4



#74
N-ethyl acetate
Concen: 0.26 ug/l
RT: 10.352 min Scan# 2803
Delta R.T. 0.022 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Tgt Ion: 43 Resp: 1169
Ion Ratio Lower Upper
43 100
70 88.4 28.3 42.5#
55 59.9 17.2 25.8#
61 0.0 17.3 25.9#

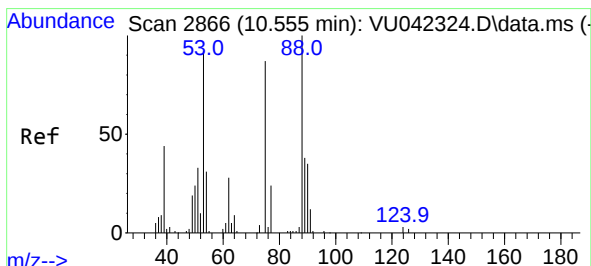
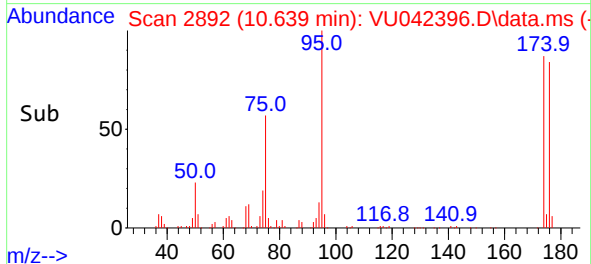
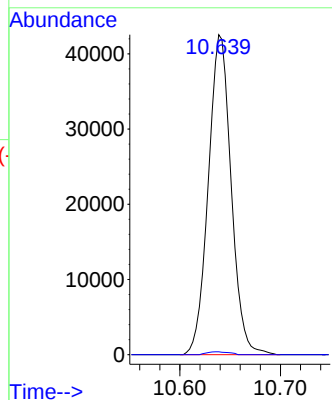
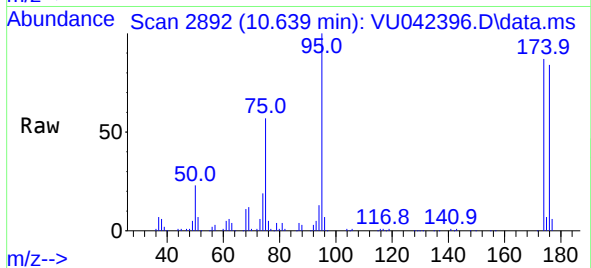




#76
1,2,3-Trichloropropane
Concen: 23.36 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

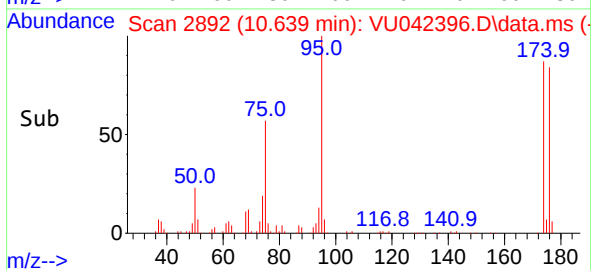
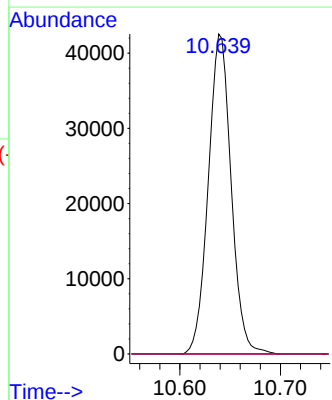
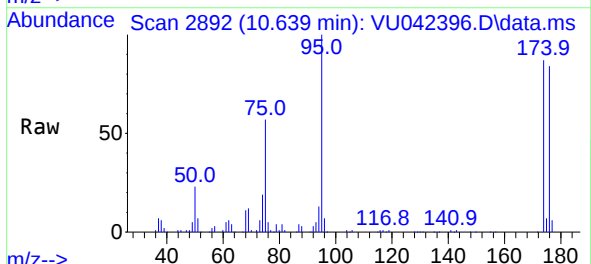
Instrument :
MSVOA_U
ClientSampled :

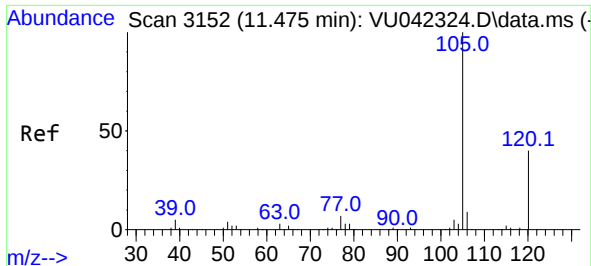
Tgt Ion: 75 Resp: 67143
Ion Ratio Lower Upper
75 100
77 0.9 20.2 60.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.50 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.083 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

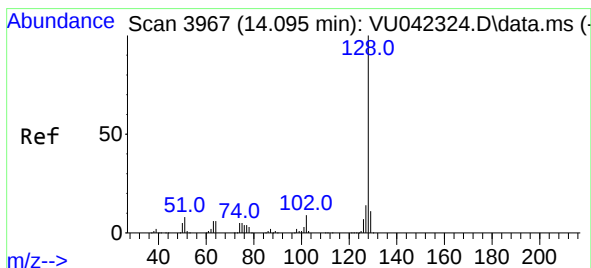
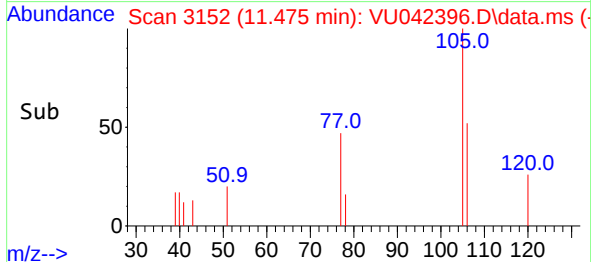
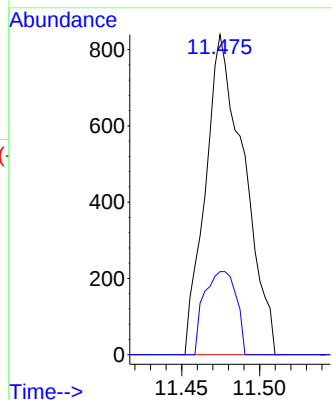
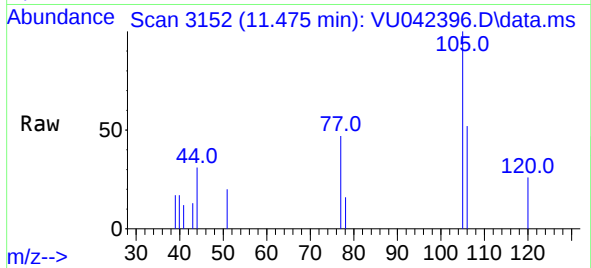
Tgt Ion: 75 Resp: 67143
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#





#84
1,2,4-Trimethylbenzene
Concen: 0.22 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Tgt Ion:105 Resp: 1450
Ion Ratio Lower Upper
105 100
120 21.4 22.3 66.8#



#95
Naphthalene
Concen: 2.50 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU042396.D
Acq: 22 Feb 2021 15:44

Tgt Ion:128 Resp: 2323
Ion Ratio Lower Upper
128 100
127 9.9 10.8 16.2#
129 6.8 8.6 13.0#

