

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022221\
 Data File : VU042387.D
 Acq On : 22 Feb 2021 12:22
 Operator : SY/MD
 Sample : M1442-05 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

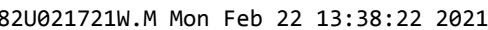
Instrument :
 MSVOA_U
 ClientSampleId :

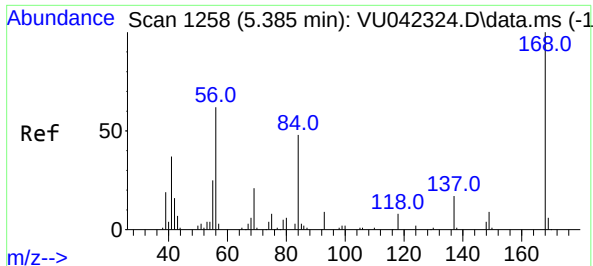
Quant Time: Feb 22 13:38:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 19 02:55:52 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.382	168	158921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	241015	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.427	117	219297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	107366	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	117415	48.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.44%	
35) Dibromofluoromethane	5.298	113	82605	48.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.12%	
50) Toluene-d8	7.906	98	298973	49.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	10.639	95	109064	45.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.84%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.195	59	411	0.80	ug/l #	94
16) Acetone	2.642	43	11072	7.41	ug/l	97
25) 2-Butanone	4.726	43	4073	2.05	ug/l	94
31) Cyclohexane	5.378	56	3677	1.17	ug/l #	32
36) 1,1-Dichloropropene	5.382	75	13290	5.58	ug/l #	51
37) Ethyl Acetate	4.726	43	4073	1.10	ug/l #	71
38) Carbon Tetrachloride	5.385	117	15806	6.20	ug/l #	17
39) Methylcyclohexane	6.774	83	720	0.26	ug/l	95
51) 4-Methyl-2-Pentanone	7.800	43	738	0.20	ug/l #	78
55) 1,1,2-Trichloroethane	8.372	97	384	0.22	ug/l #	13
59) 2-Hexanone	8.693	43	1130	0.38	ug/l	90
67) Ethyl Benzene	9.578	91	4715	0.60	ug/l	90
68) m/p-Xylenes	9.700	106	4855	1.66	ug/l	98
69) o-Xylene	10.108	106	942	0.33	ug/l	90
73) Isopropylbenzene	10.491	105	7766	1.08	ug/l	98
76) 1,2,3-Trichloropropane	10.639	75	60646	22.84	ug/l #	37
78) n-propylbenzene	10.912	91	13490	1.63	ug/l	97
79) 2-Chlorotoluene	11.002	91	1467	0.29	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.095	105	9251	1.50	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.639	75	60646	62.11	ug/l #	7
82) 4-Chlorotoluene	11.095	91	1195	0.20	ug/l #	45
84) 1,2,4-Trimethylbenzene	11.475	105	19349	3.14	ug/l	99
85) sec-Butylbenzene	11.652	105	7243	1.03	ug/l	99
86) p-Isopropyltoluene	11.751	119	2861	0.44	ug/l	100
89) n-Butylbenzene	12.214	91	6815	1.20	ug/l #	53
90) Hexachloroethane	12.578	117	3861	3.36	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.848	180	108	1.73	ug/l #	1
95) Naphthalene	14.095	128	13837	4.05	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.343	180	171	1.75	ug/l #	1

(#) = 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

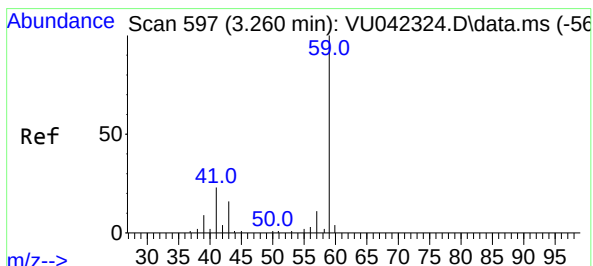
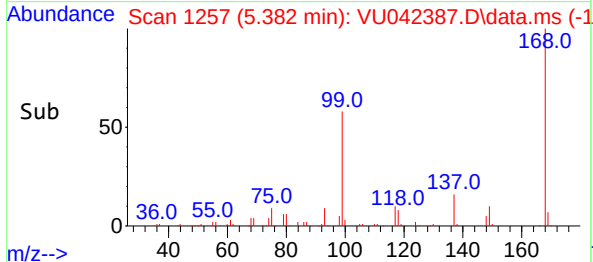
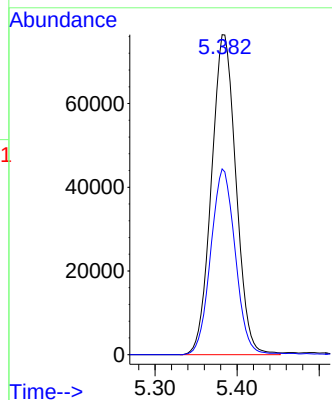
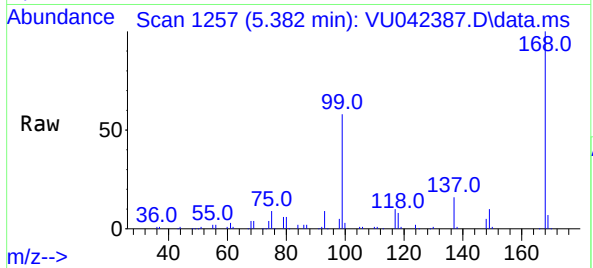




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

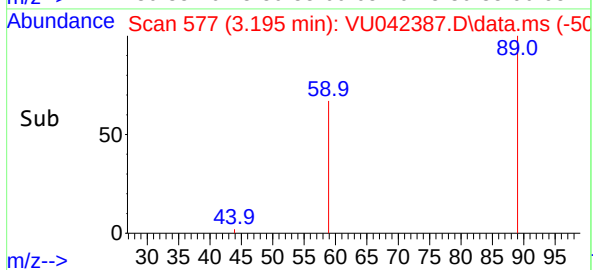
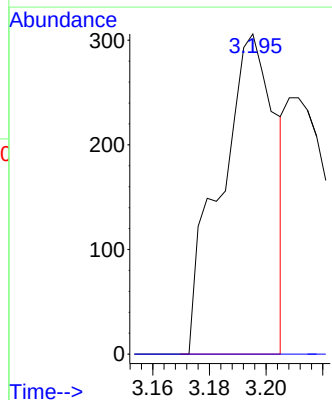
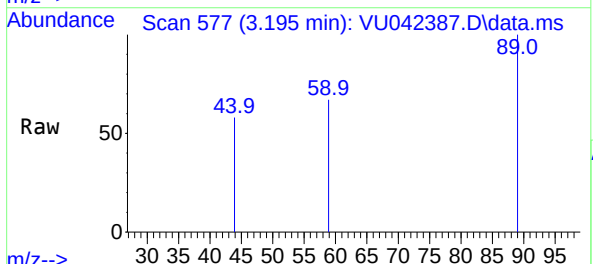
Instrument :
MSVOA_U
ClientSampleId :

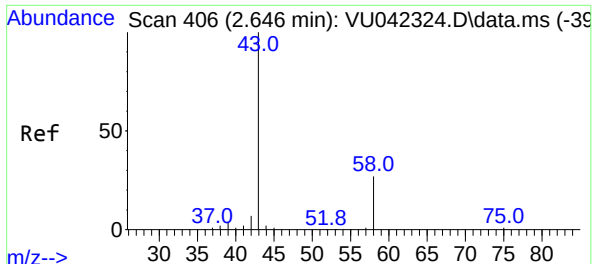
Tgt Ion:168 Resp: 158921
Ion Ratio Lower Upper
168 100
99 58.0 45.0 67.4



#11
Tert butyl alcohol
Concen: 0.80 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.064 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

Tgt Ion: 59 Resp: 411
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#

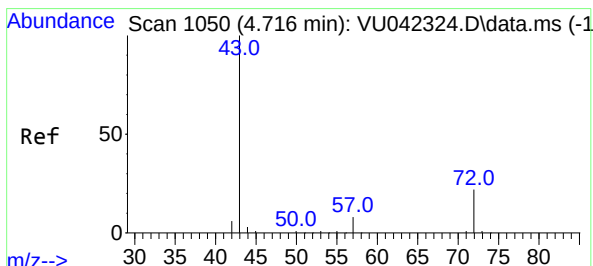
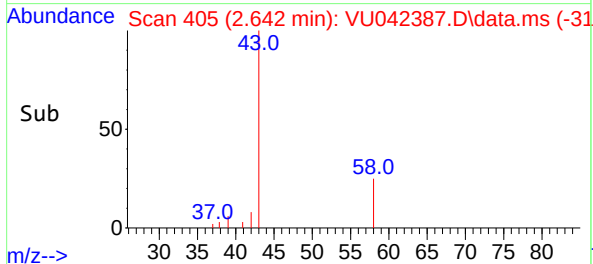
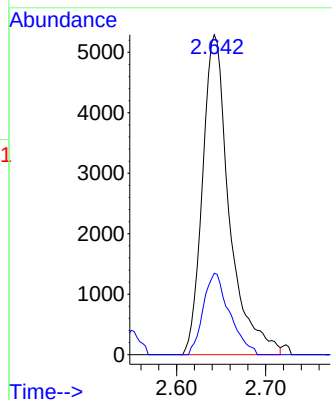
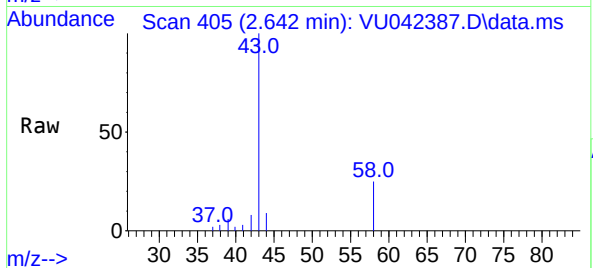




#16
Acetone
Concen: 7.41 ug/l
RT: 2.642 min Scan# 405
Delta R.T. -0.003 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

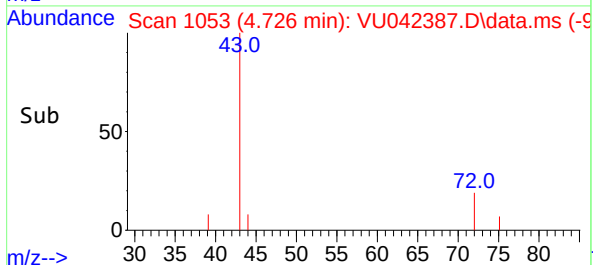
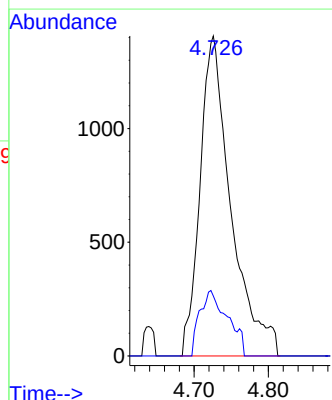
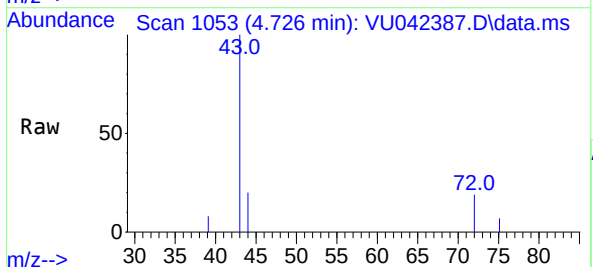
Instrument :
MSVOA_U
ClientSampleId :

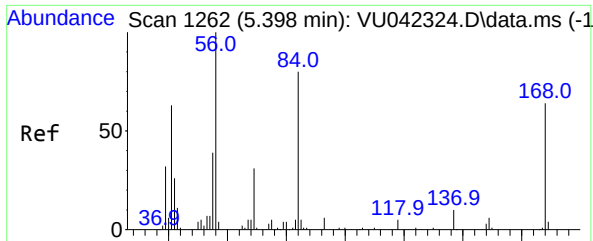
Tgt Ion: 43 Resp: 11072
Ion Ratio Lower Upper
43 100
58 25.4 21.5 32.3



#25
2-Butanone
Concen: 2.05 ug/l
RT: 4.726 min Scan# 1053
Delta R.T. 0.010 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

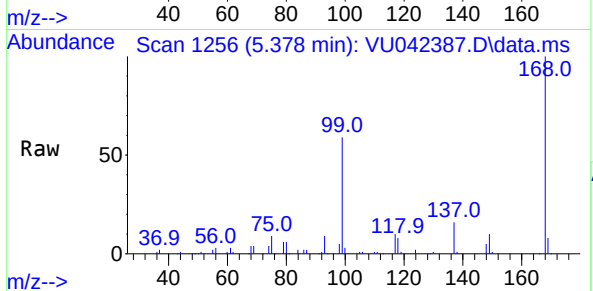
Tgt Ion: 43 Resp: 4073
Ion Ratio Lower Upper
43 100
72 18.8 17.4 26.0



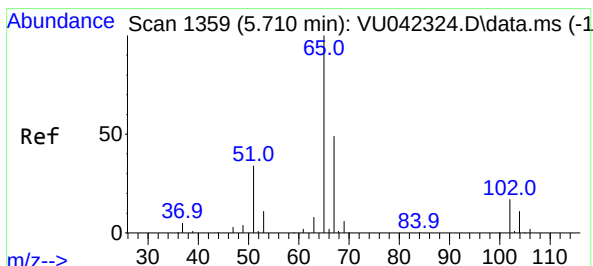
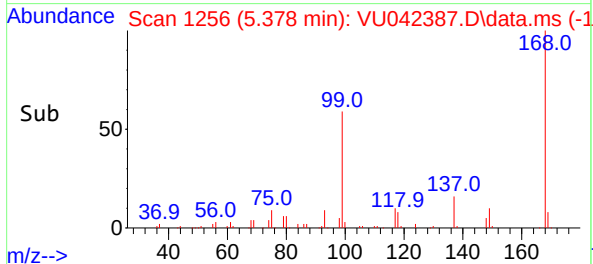
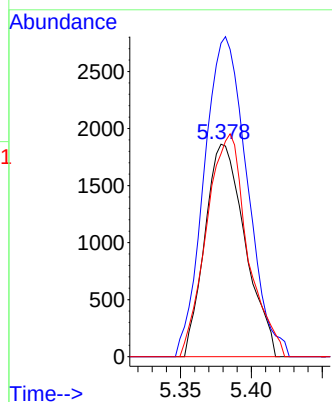


#31
Cyclohexane
Concen: 1.17 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.019 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

Instrument :
MSVOA_U
ClientSampleId :

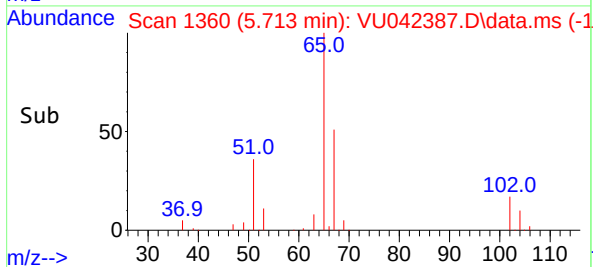
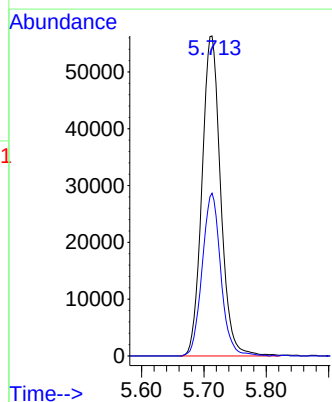
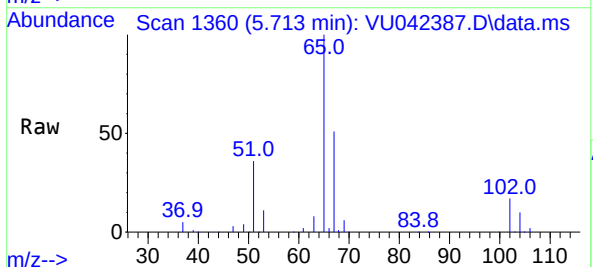


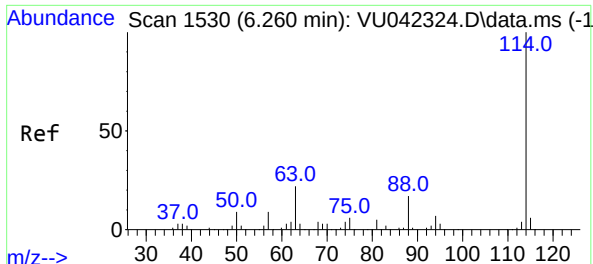
Tgt Ion: 56 Resp: 3677
Ion Ratio Lower Upper
56 100
69 139.1 24.9 37.3#
84 95.4 63.7 95.5



#33
1,2-Dichloroethane-d4
Concen: 48.72 ug/l
RT: 5.713 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

Tgt Ion: 65 Resp: 117415
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.8



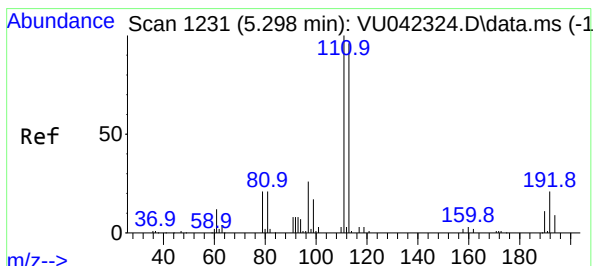
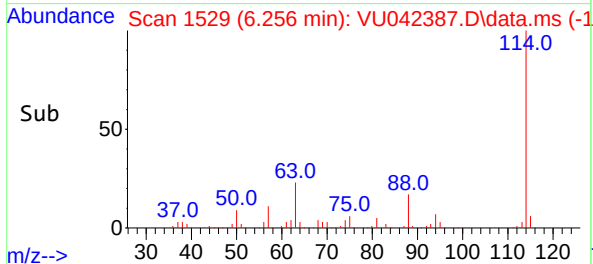
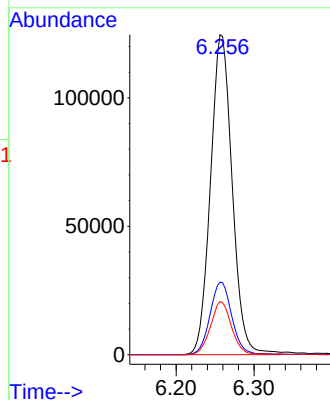
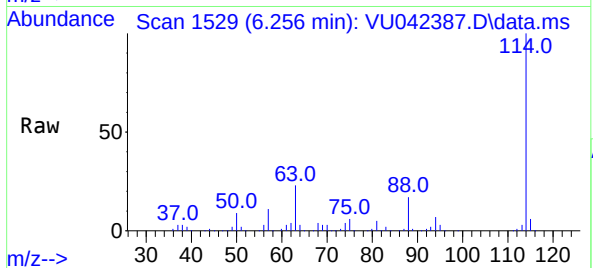


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. -0.003 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:114 Resp: 241015

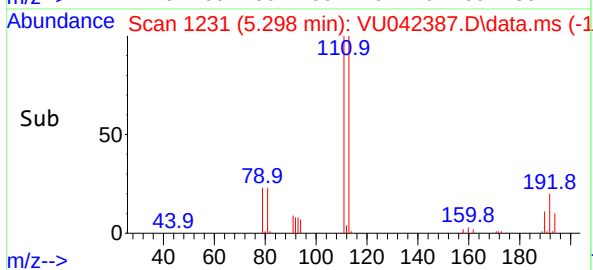
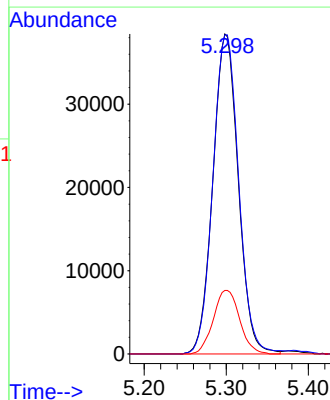
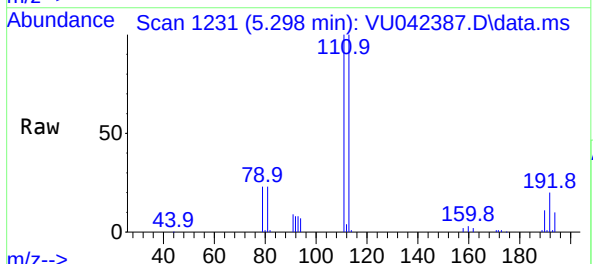
Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	44.2
88	16.6	0.0	33.4

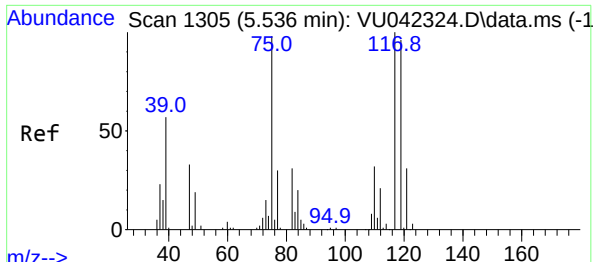


#35
Dibromofluoromethane
Concen: 48.56 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

Tgt Ion:113 Resp: 82605

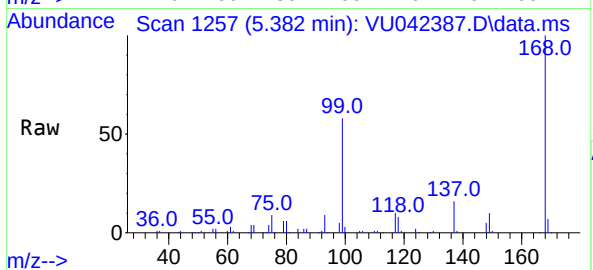
Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.8	122.8
192	20.6	17.2	25.8



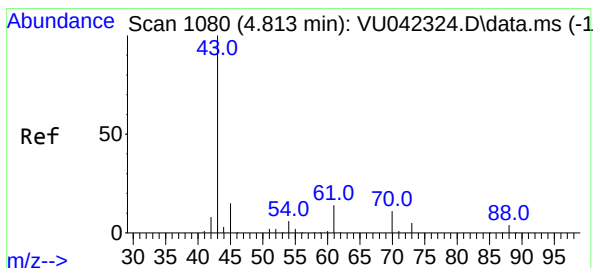
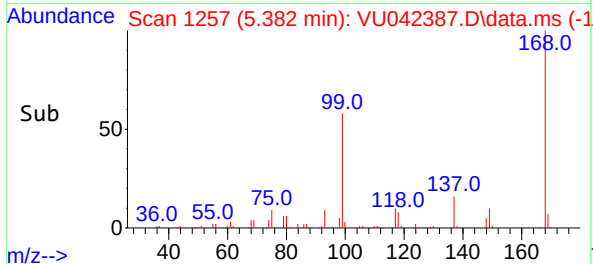
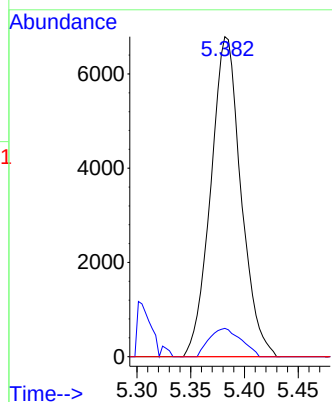


#36
1,1-Dichloropropene
Concen: 5.58 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.154 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

Instrument :
MSVOA_U
ClientSampleId :

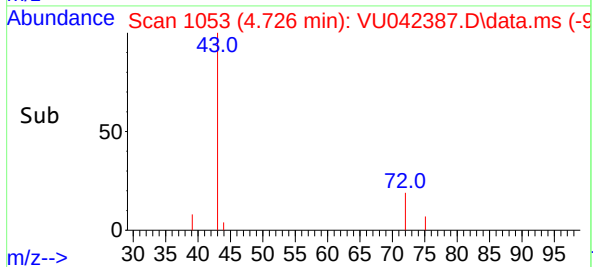
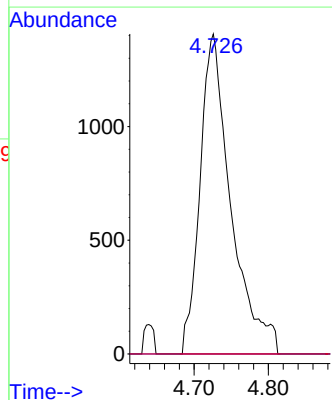
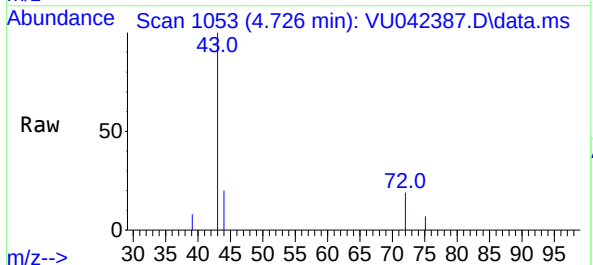


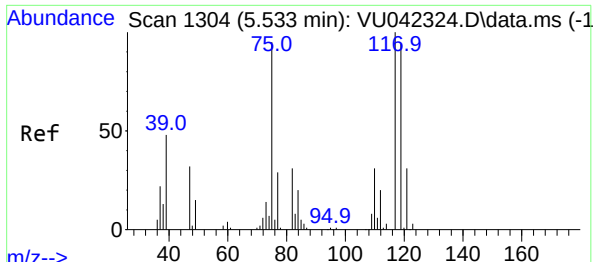
Tgt Ion: 75 Resp: 13290
Ion Ratio Lower Upper
75 100
110 9.3 16.8 50.3#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 1.10 ug/l
RT: 4.726 min Scan# 1053
Delta R.T. -0.087 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

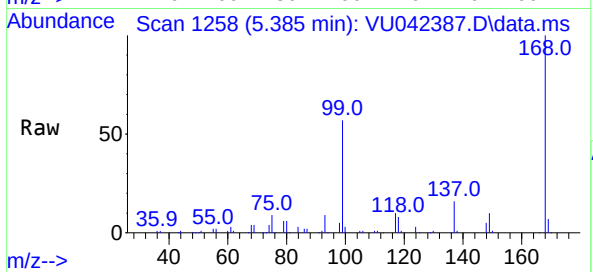
Tgt Ion: 43 Resp: 4073
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.2 10.8#



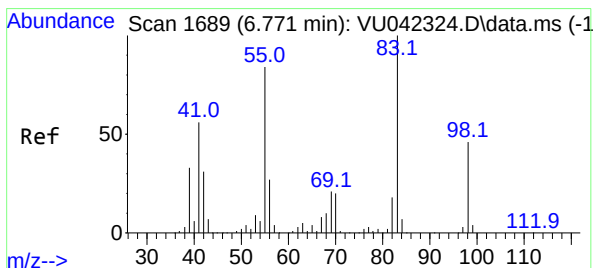
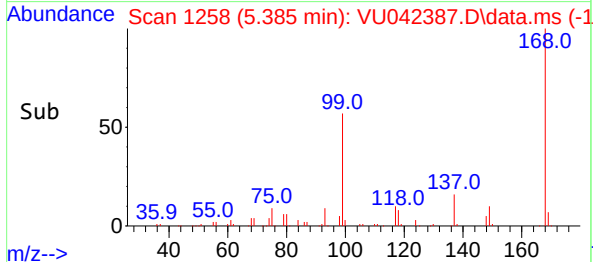
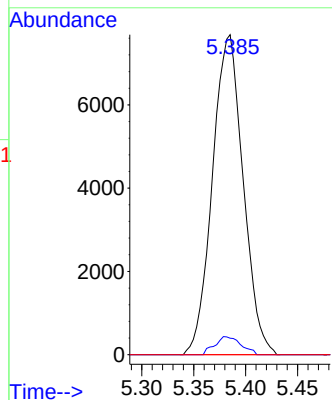


#38
Carbon Tetrachloride
Concen: 6.20 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

Instrument :
MSVOA_U
ClientSampleId :

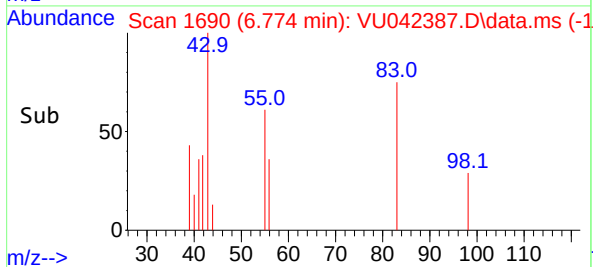
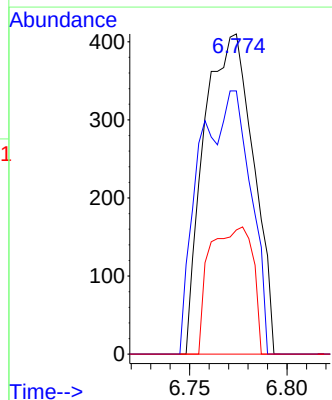
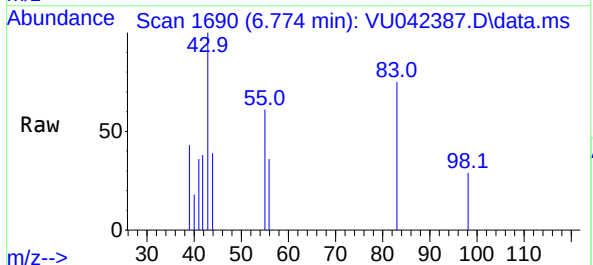


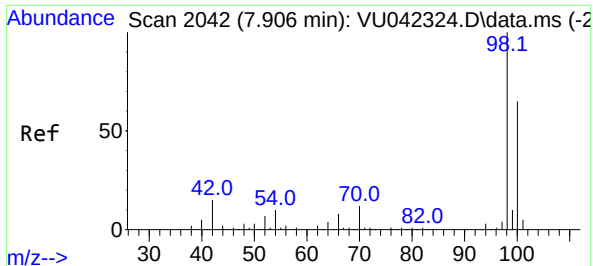
Tgt Ion:117 Resp: 15806
Ion Ratio Lower Upper
117 100
119 5.2 75.5 113.3#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.26 ug/l
RT: 6.774 min Scan# 1690
Delta R.T. 0.003 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

Tgt Ion: 83 Resp: 720
Ion Ratio Lower Upper
83 100
55 82.2 66.8 100.2
98 38.8 36.9 55.3

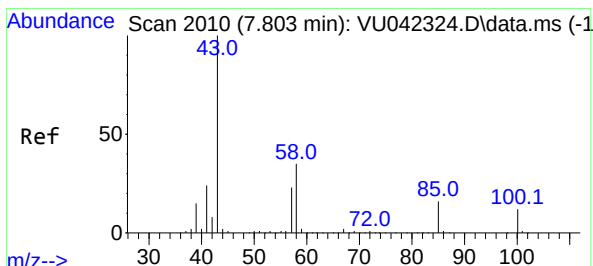
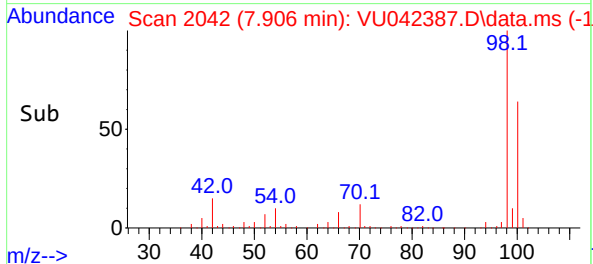
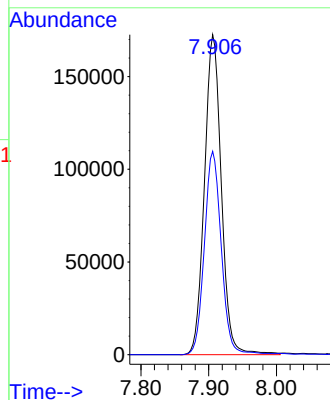
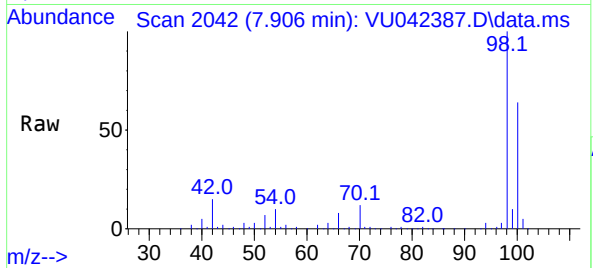




#50
Toluene-d8
Concen: 49.07 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

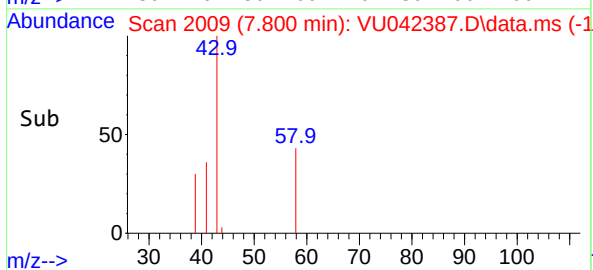
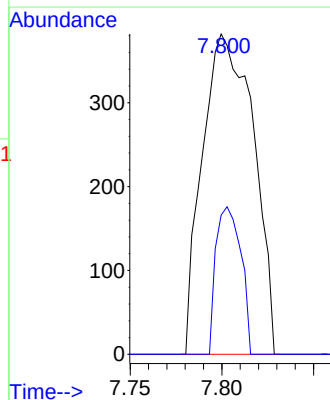
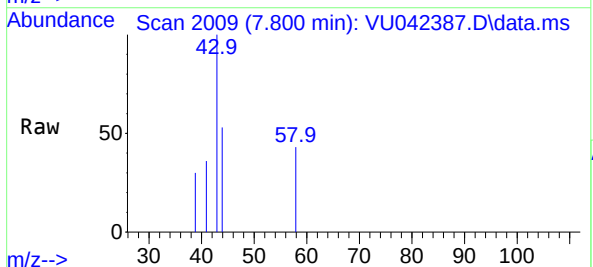
Instrument :
MSVOA_U
ClientSampled :

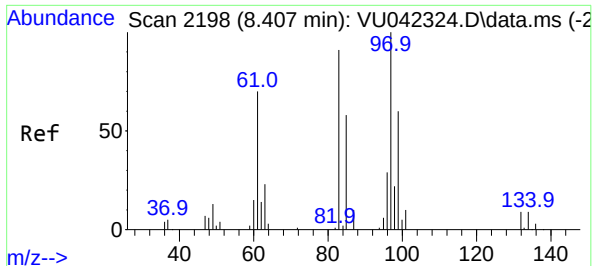
Tgt Ion: 98 Resp: 298973
Ion Ratio Lower Upper
98 100
100 63.4 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 0.20 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.003 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

Tgt Ion: 43 Resp: 738
Ion Ratio Lower Upper
43 100
58 22.5 28.1 42.1#



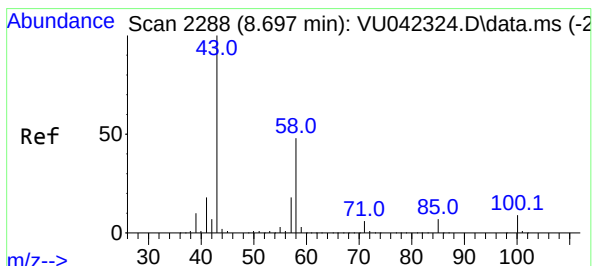
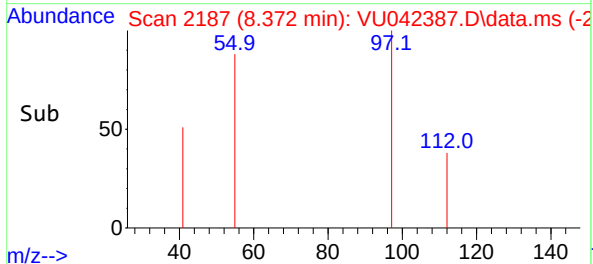
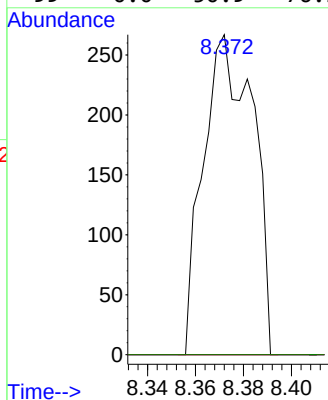
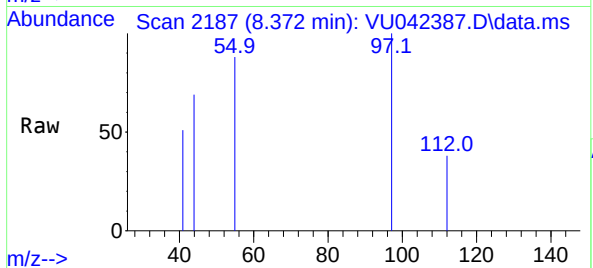


#55
1,1,2-Trichloroethane
Concen: 0.22 ug/l
RT: 8.372 min Scan# 2187
Delta R.T. -0.035 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 384

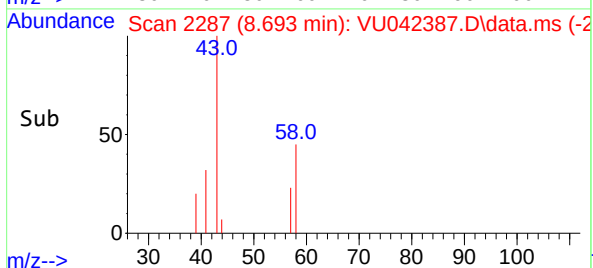
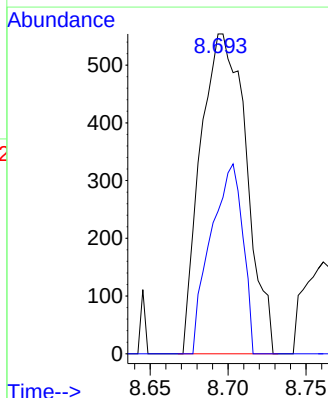
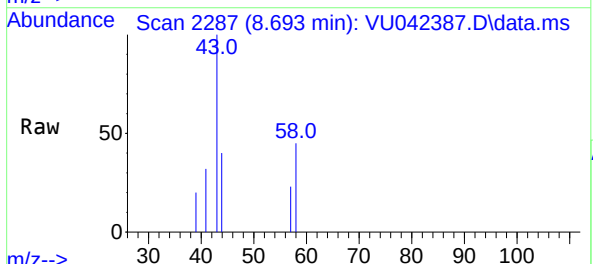
Ion	Ratio	Lower	Upper
97	100		
83	0.0	72.6	109.0#
85	0.0	46.6	69.8#
99	0.0	50.9	76.3#

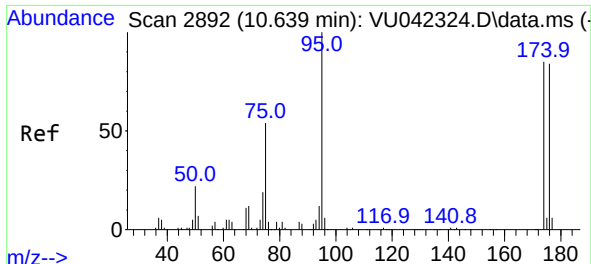


#59
2-Hexanone
Concen: 0.38 ug/l
RT: 8.693 min Scan# 2287
Delta R.T. -0.003 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

Tgt Ion: 43 Resp: 1130

Ion	Ratio	Lower	Upper
43	100		
58	41.5	24.0	72.0

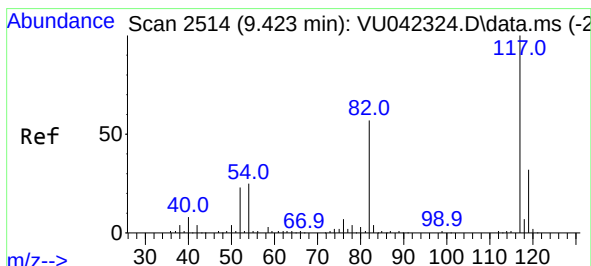
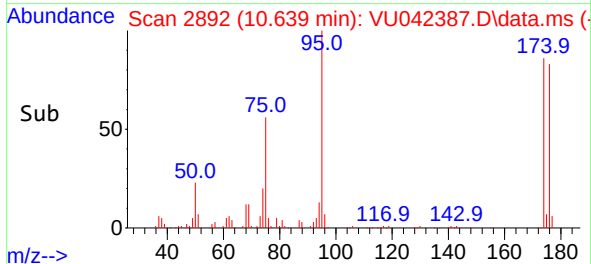
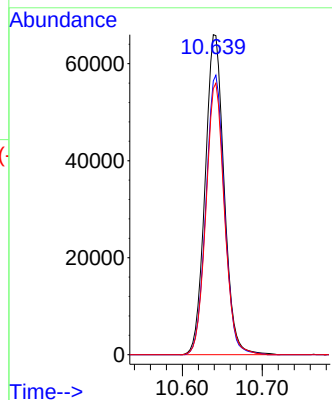
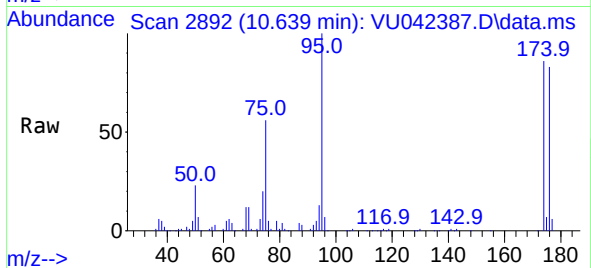




#62
4-Bromofluorobenzene
Concen: 45.42 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

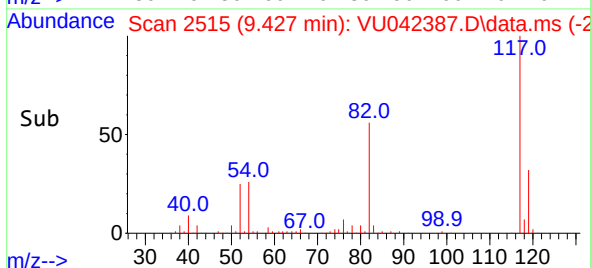
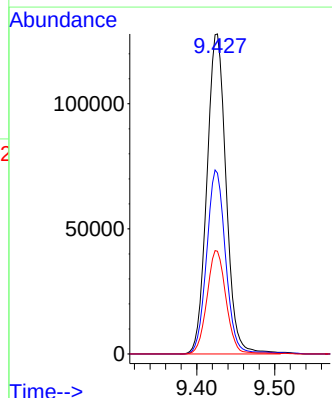
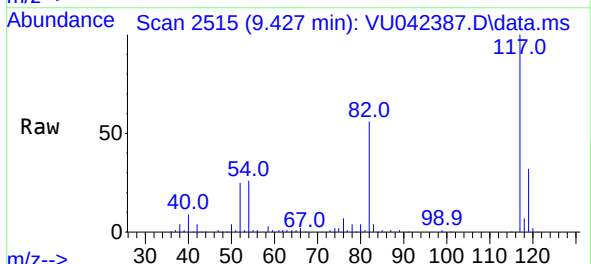
Instrument :
MSVOA_U
ClientSampleId :

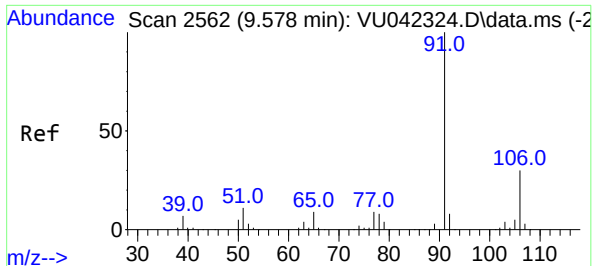
Tgt Ion: 95 Resp: 109064
Ion Ratio Lower Upper
95 100
174 85.4 0.0 172.2
176 82.6 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.427 min Scan# 2515
Delta R.T. 0.003 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

Tgt Ion: 117 Resp: 219297
Ion Ratio Lower Upper
117 100
82 56.5 45.8 68.6
119 32.1 25.8 38.8





#67

Ethyl Benzene

Concen: 0.60 ug/l

RT: 9.578 min Scan# 2562

Delta R.T. -0.000 min

Lab File: VU042387.D

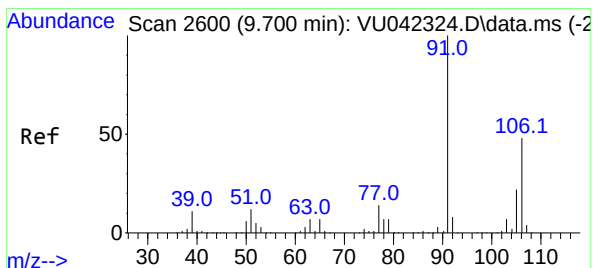
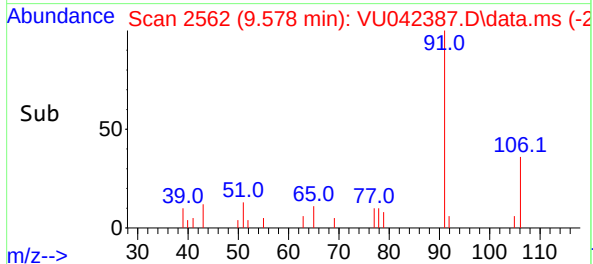
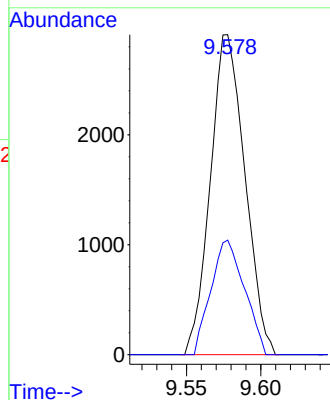
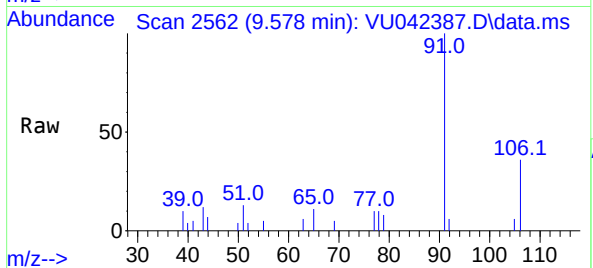
Acq: 22 Feb 2021 12:22

Tgt Ion: 91 Resp: 4715

Ion Ratio Lower Upper

91 100

106 35.8 24.1 36.1



#68

m/p-Xylenes

Concen: 1.66 ug/l

RT: 9.700 min Scan# 2600

Delta R.T. -0.000 min

Lab File: VU042387.D

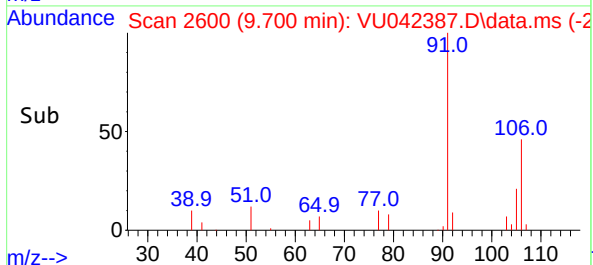
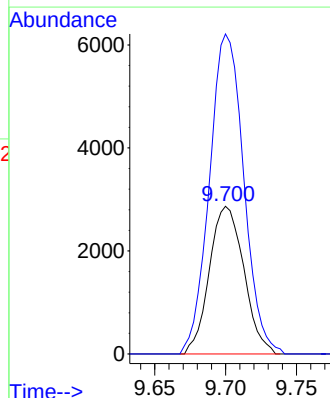
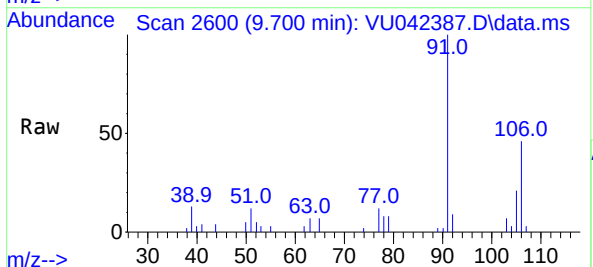
Acq: 22 Feb 2021 12:22

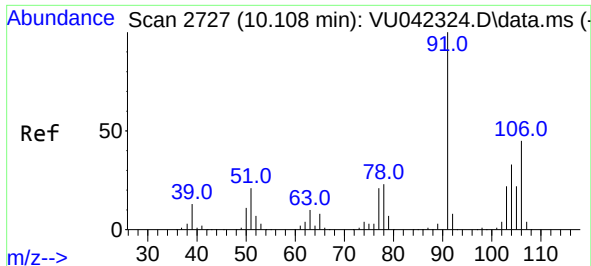
Tgt Ion: 106 Resp: 4855

Ion Ratio Lower Upper

106 100

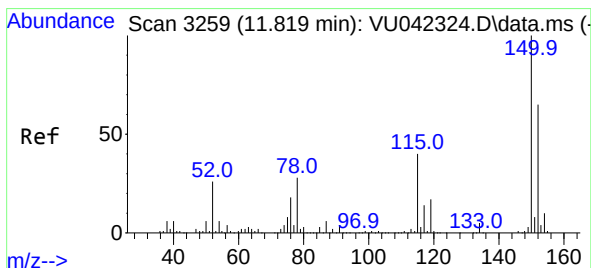
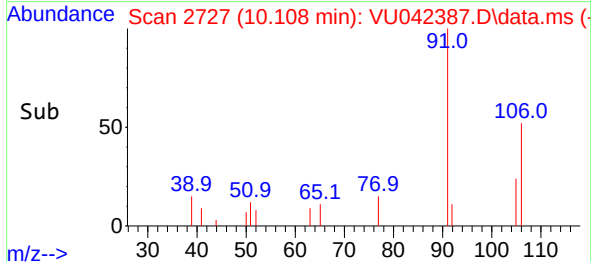
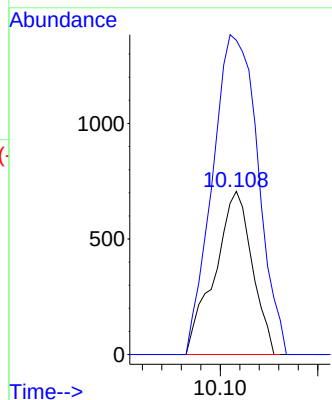
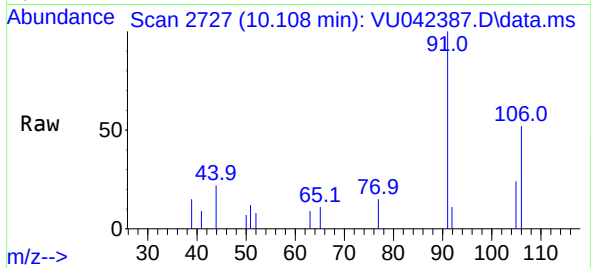
91 215.6 169.9 254.9





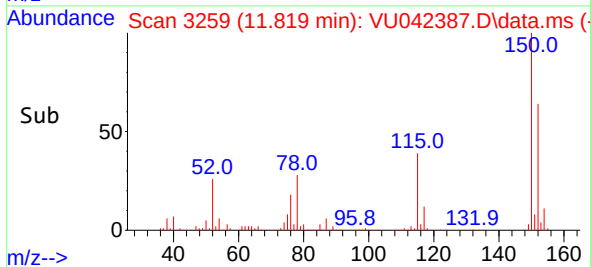
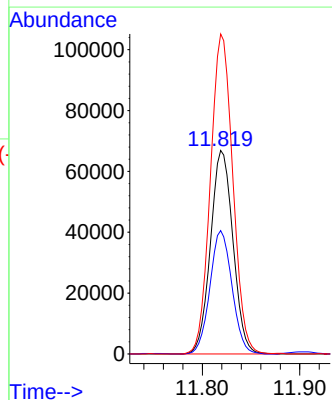
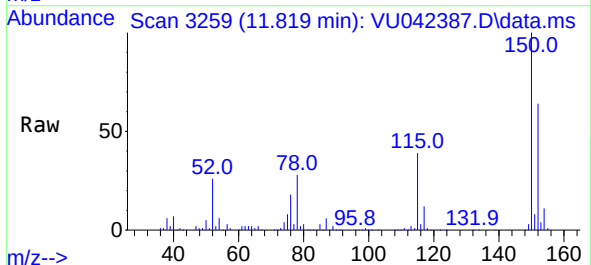
#69
o-Xylene
Concen: 0.33 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

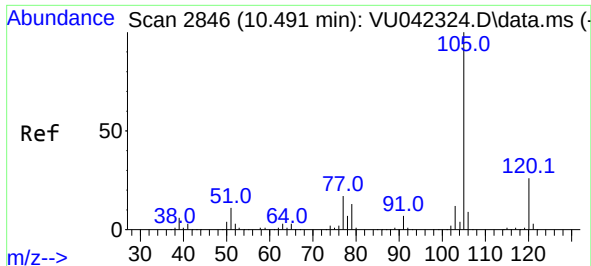
Tgt Ion:106 Resp: 942
Ion Ratio Lower Upper
106 100
91 238.3 111.2 333.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

Tgt Ion:152 Resp: 107366
Ion Ratio Lower Upper
152 100
115 59.4 41.5 124.6
150 156.5 0.0 342.4

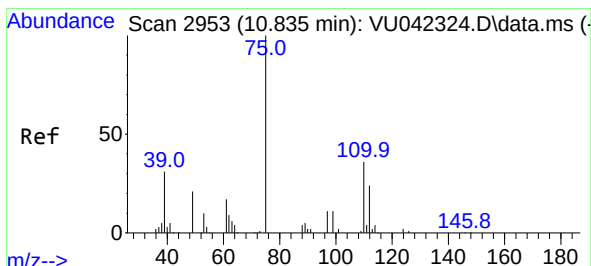
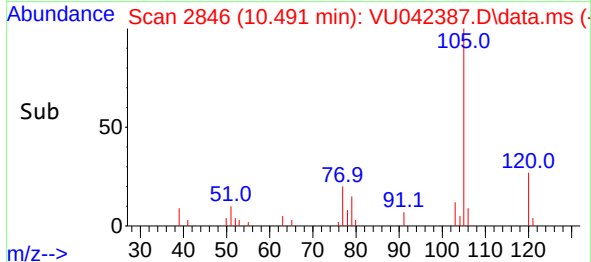
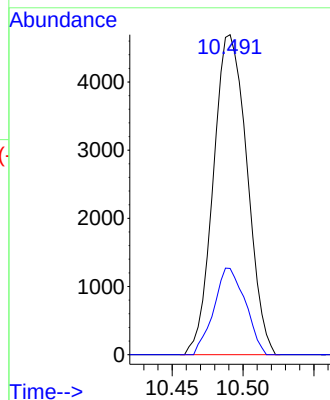
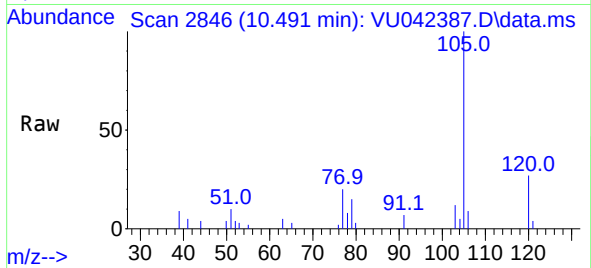




#73
Isopropylbenzene
Concen: 1.08 ug/l
RT: 10.491 min Scan# 2846
Delta R.T. -0.000 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

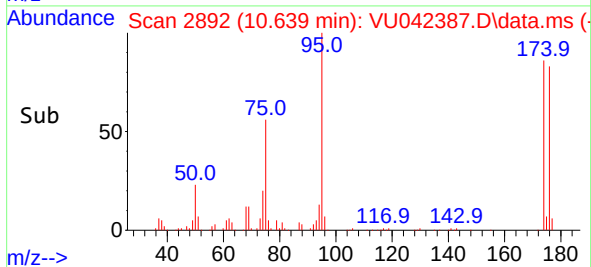
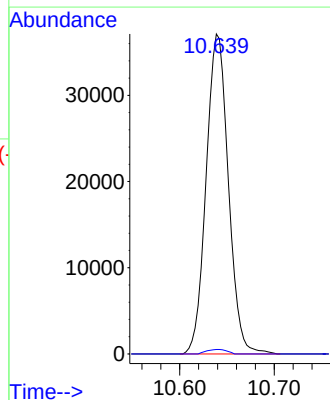
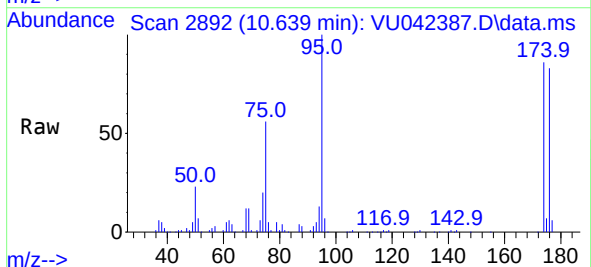
Instrument :
MSVOA_U
ClientSampled :

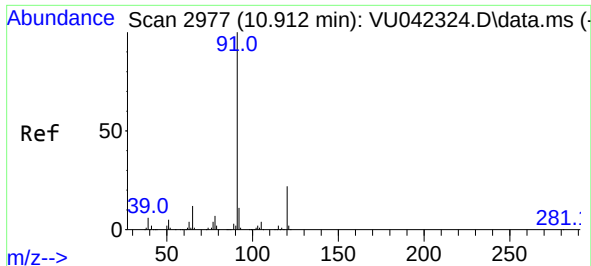
Tgt Ion:105 Resp: 7766
Ion Ratio Lower Upper
105 100
120 25.3 13.1 39.3



#76
1,2,3-Trichloropropane
Concen: 22.84 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

Tgt Ion: 75 Resp: 60646
Ion Ratio Lower Upper
75 100
77 1.3 20.2 60.5#

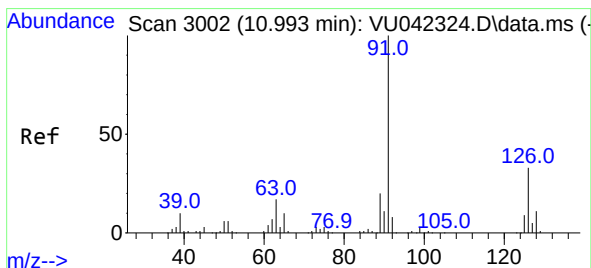
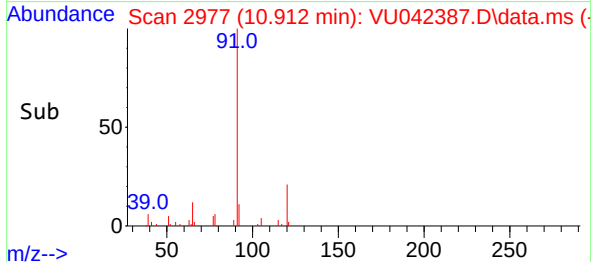
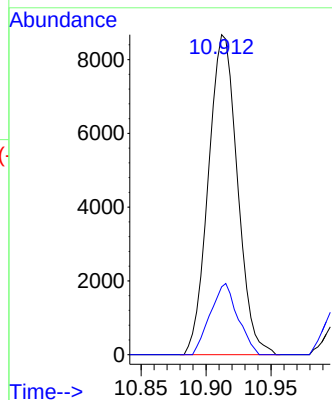
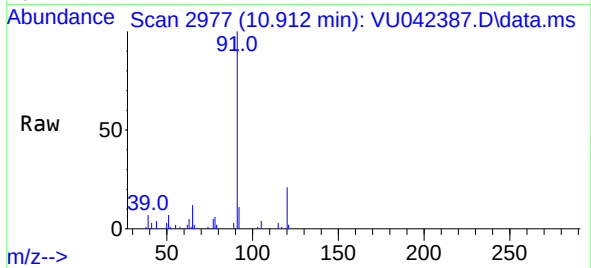




#78
n-propylbenzene
Concen: 1.63 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. -0.000 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

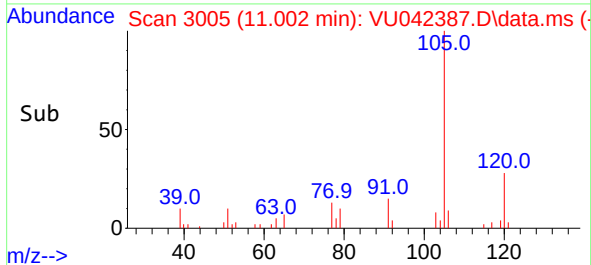
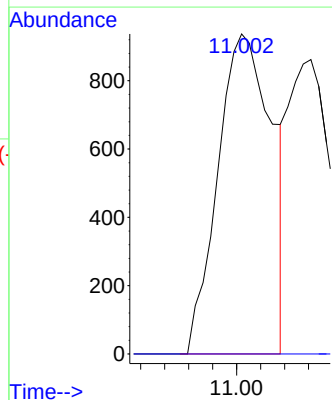
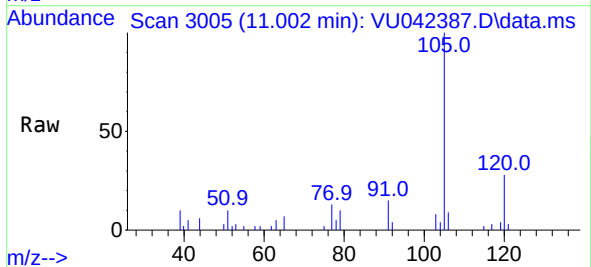
Instrument :
MSVOA_U
ClientSampled :

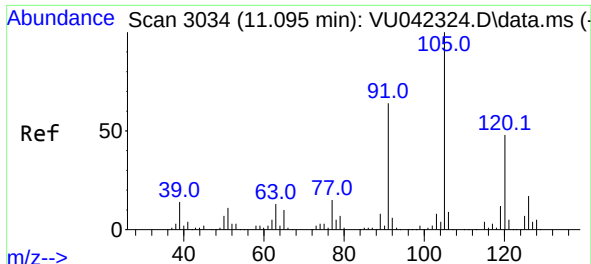
Tgt Ion: 91 Resp: 13490
Ion Ratio Lower Upper
91 100
120 21.0 11.2 33.6



#79
2-Chlorotoluene
Concen: 0.29 ug/l
RT: 11.002 min Scan# 3005
Delta R.T. 0.010 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

Tgt Ion: 91 Resp: 1467
Ion Ratio Lower Upper
91 100
126 0.0 16.7 50.0#

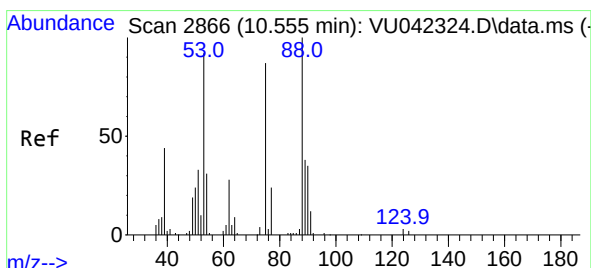
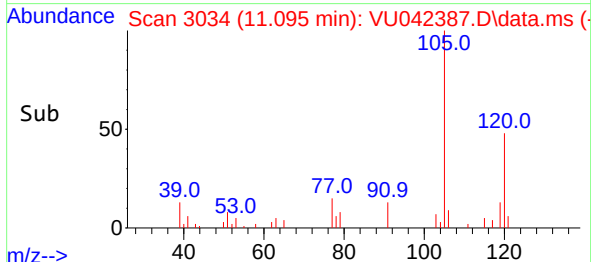
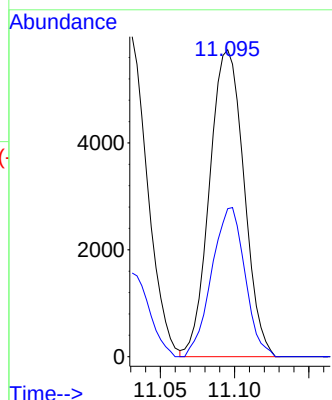
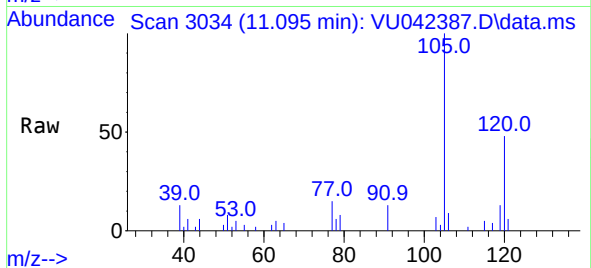




#80
1,3,5-Trimethylbenzene
Concen: 1.50 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. -0.000 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

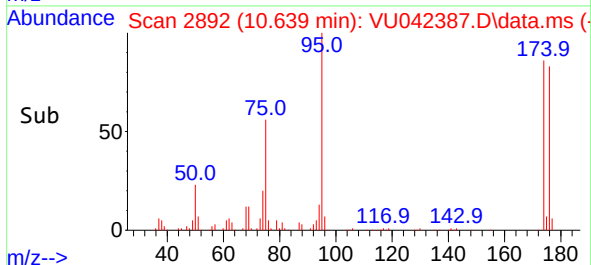
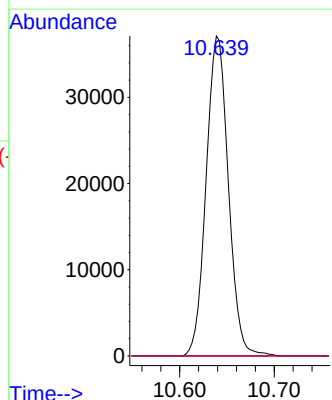
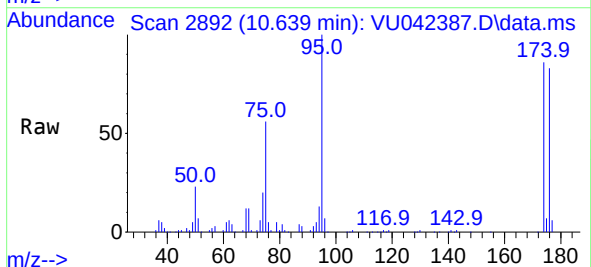
Instrument :
MSVOA_U
ClientSampleId :

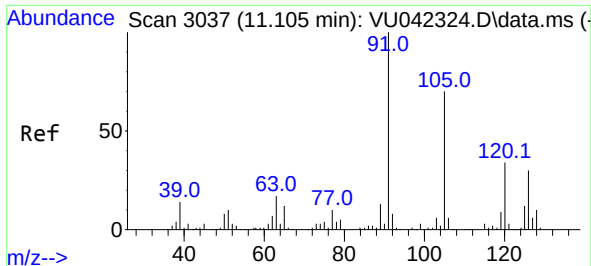
Tgt Ion:105 Resp: 9251
Ion Ratio Lower Upper
105 100
120 47.0 23.8 71.4



#81
trans-1,4-Dichloro-2-butene
Concen: 62.11 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.083 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

Tgt Ion: 75 Resp: 60646
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#

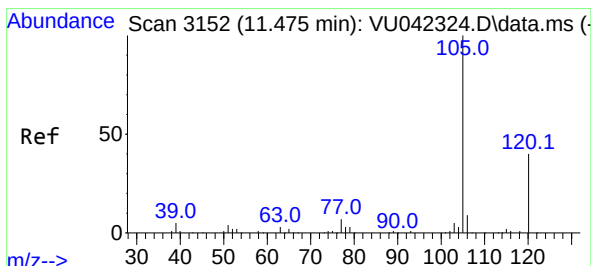
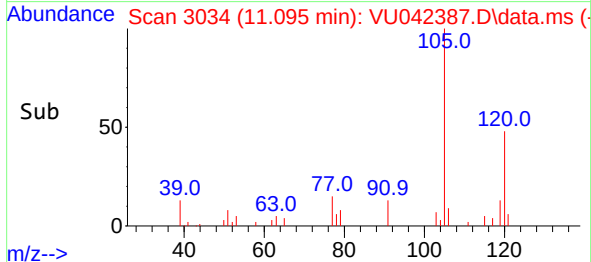
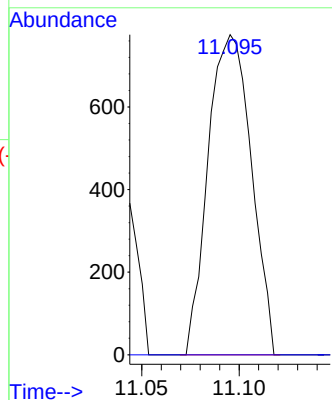
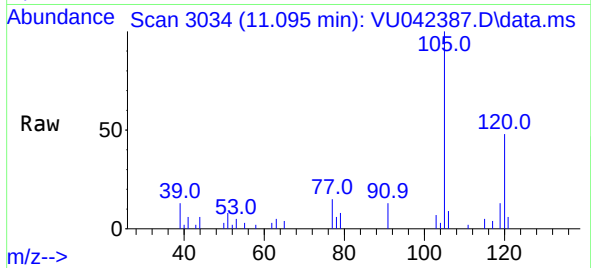




#82
4-Chlorotoluene
Concen: 0.20 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. -0.010 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

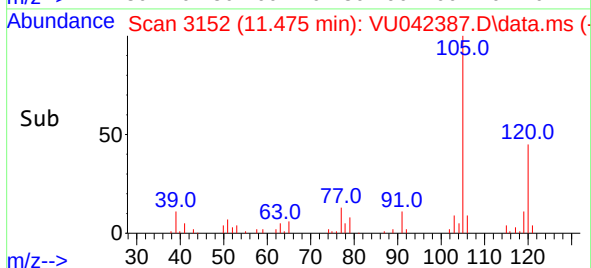
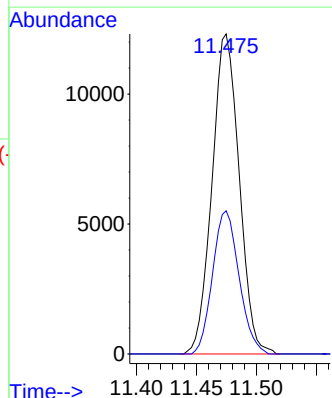
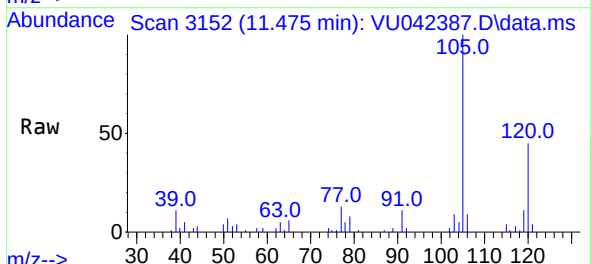
Instrument :
MSVOA_U
ClientSampled :

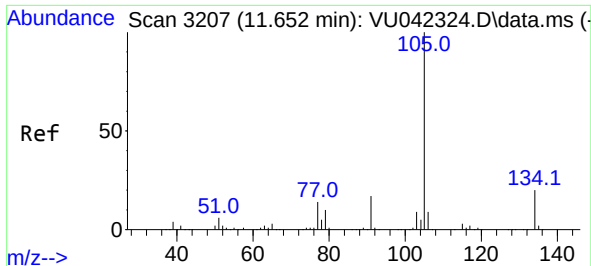
Tgt Ion: 91 Resp: 1195
Ion Ratio Lower Upper
91 100
126 0.0 14.6 44.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.14 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

Tgt Ion: 105 Resp: 19349
Ion Ratio Lower Upper
105 100
120 43.6 22.3 66.8

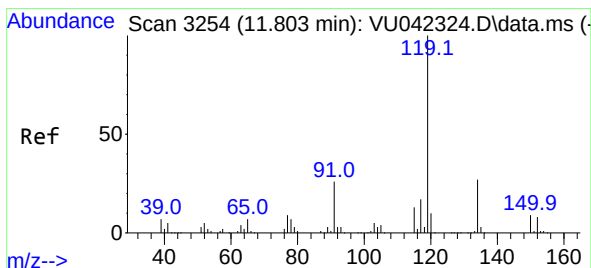
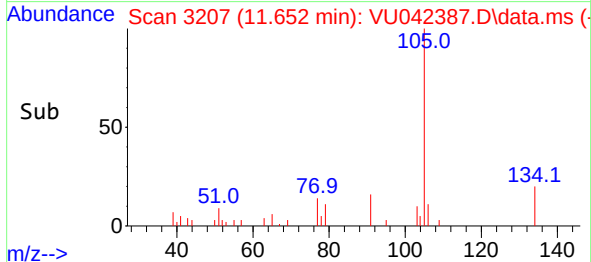
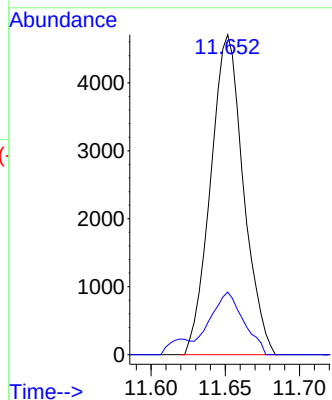
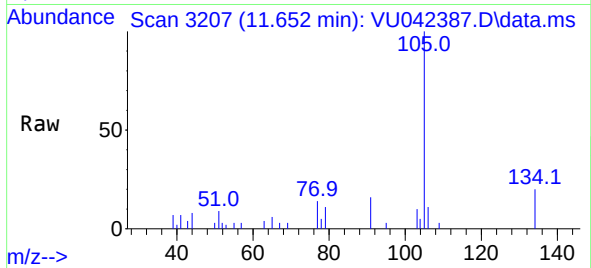




#85
 sec-Butylbenzene
 Concen: 1.03 ug/l
 RT: 11.652 min Scan# 3207
 Delta R.T. -0.000 min
 Lab File: VU042387.D
 Acq: 22 Feb 2021 12:22

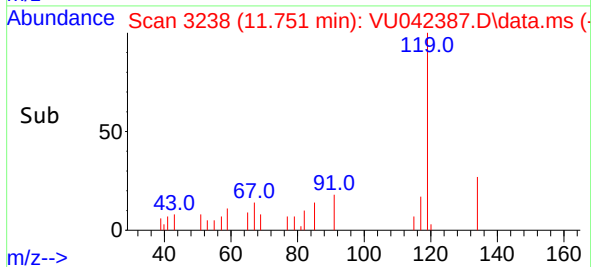
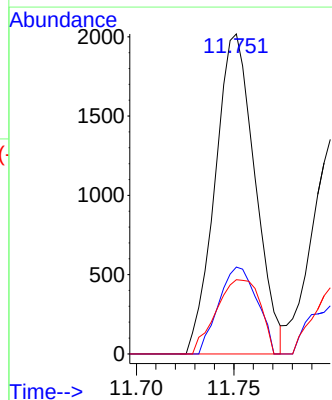
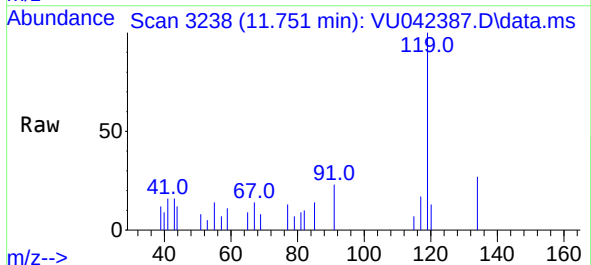
Instrument :
 MSVOA_U
 ClientSampleId :

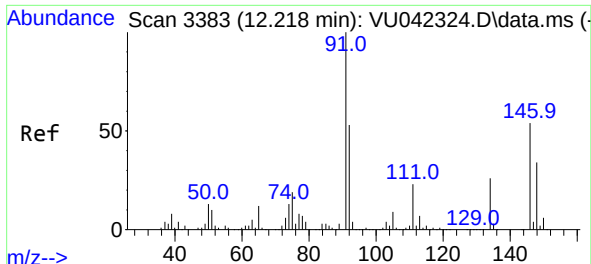
Tgt Ion:105 Resp: 7243
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 0.44 ug/l
 RT: 11.751 min Scan# 3238
 Delta R.T. -0.052 min
 Lab File: VU042387.D
 Acq: 22 Feb 2021 12:22

Tgt Ion:119 Resp: 2861
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.2 39.6
 91 25.6 12.8 38.3

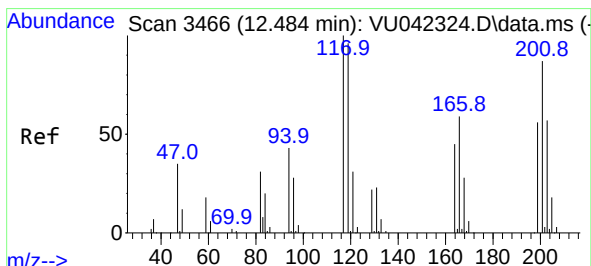
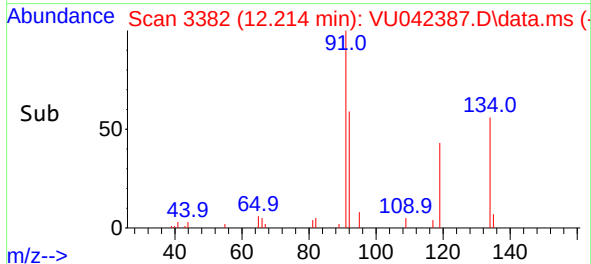
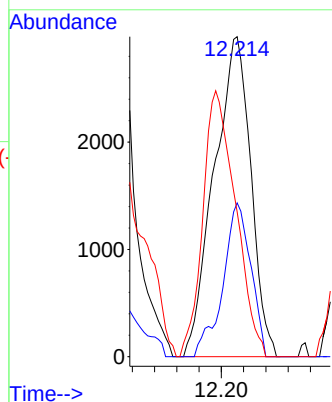
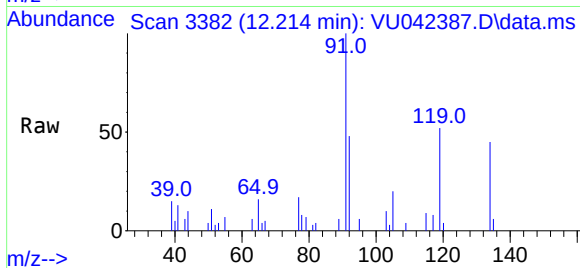




#89
n-Butylbenzene
Concen: 1.20 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. -0.003 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

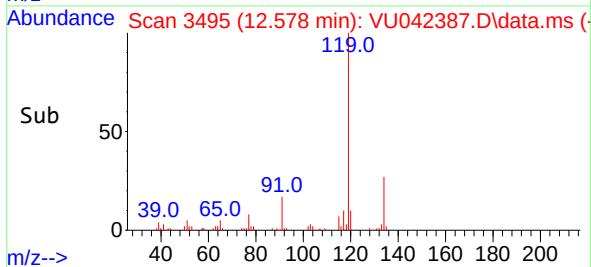
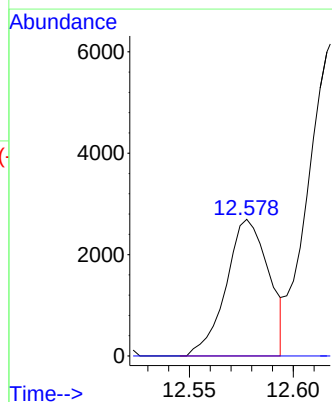
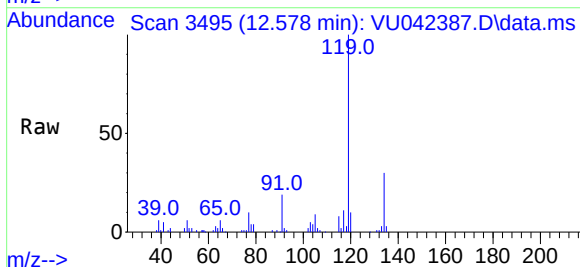
Instrument :
MSVOA_U
ClientSampleId :

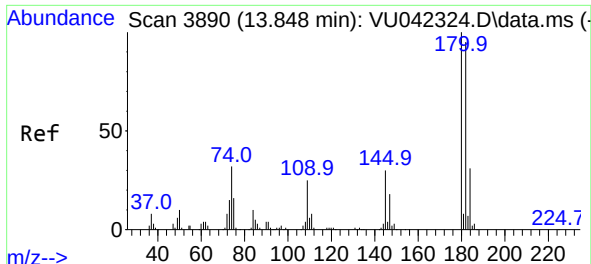
Tgt Ion: 91 Resp: 6815
Ion Ratio Lower Upper
91 100
92 36.5 26.2 78.6
134 74.3 12.7 38.1#



#90
Hexachloroethane
Concen: 3.36 ug/l
RT: 12.578 min Scan# 3495
Delta R.T. 0.093 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

Tgt Ion: 117 Resp: 3861
Ion Ratio Lower Upper
117 100
201 0.0 43.5 130.7#

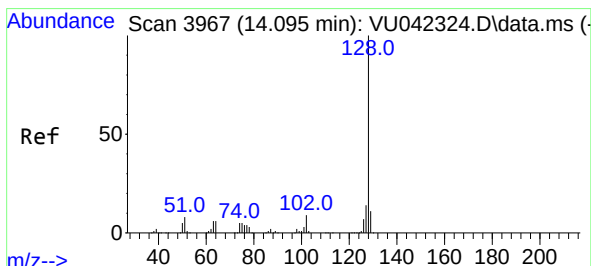
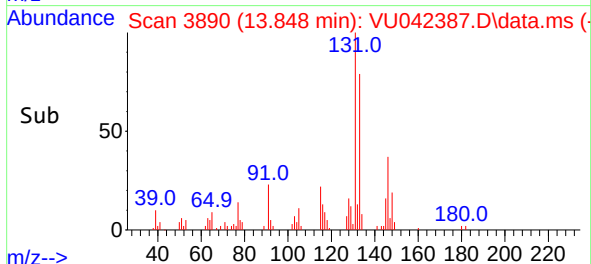
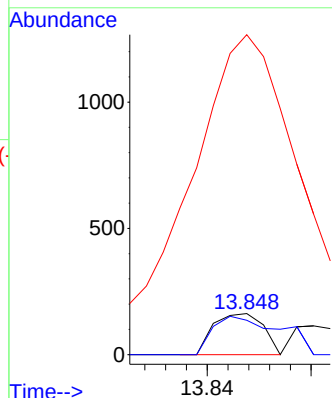
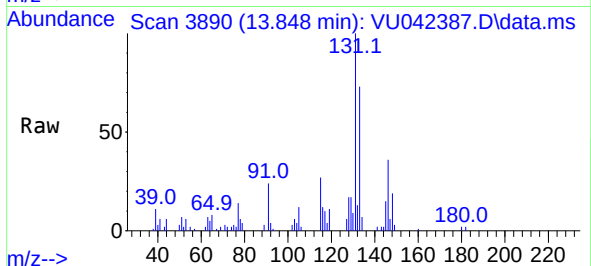




#93
1,2,4-Trichlorobenzene
Concen: 1.73 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. -0.000 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

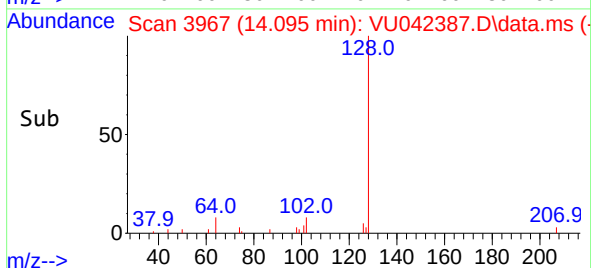
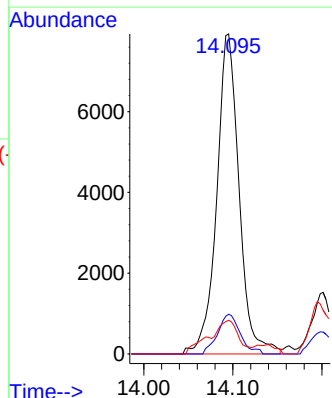
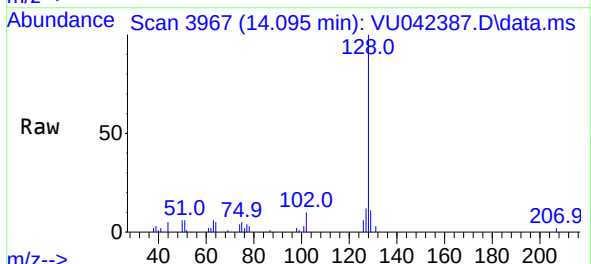
Instrument :
MSVOA_U
ClientSampleId :

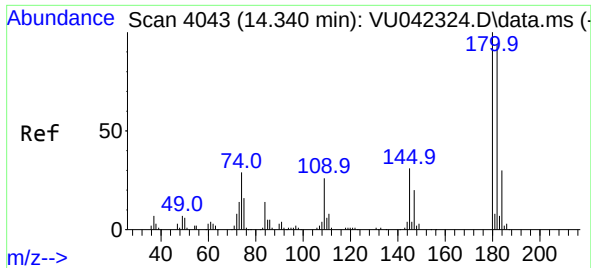
Tgt Ion:180 Resp: 108
Ion Ratio Lower Upper
180 100
182 127.8 46.9 140.8
145 1813.9 14.4 43.4#



#95
Naphthalene
Concen: 4.05 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU042387.D
Acq: 22 Feb 2021 12:22

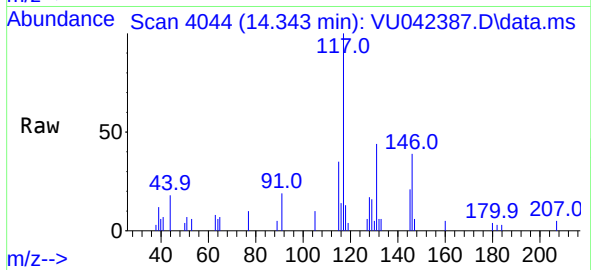
Tgt Ion:128 Resp: 13837
Ion Ratio Lower Upper
128 100
127 12.5 10.8 16.2
129 13.8 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.75 ug/l
 RT: 14.343 min Scan# 4044
 Delta R.T. 0.003 min
 Lab File: VU042387.D
 Acq: 22 Feb 2021 12:22

Instrument :
 MSVOA_U
 ClientSampled :



Tgt Ion:180 Resp: 171
 Ion Ratio Lower Upper
 180 100
 182 76.0 48.0 144.0
 145 1658.5 15.5 46.5#

