

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022221\
 Data File : VU042385.D
 Acq On : 22 Feb 2021 11:36
 Operator : SY/MD
 Sample : M1442-04 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

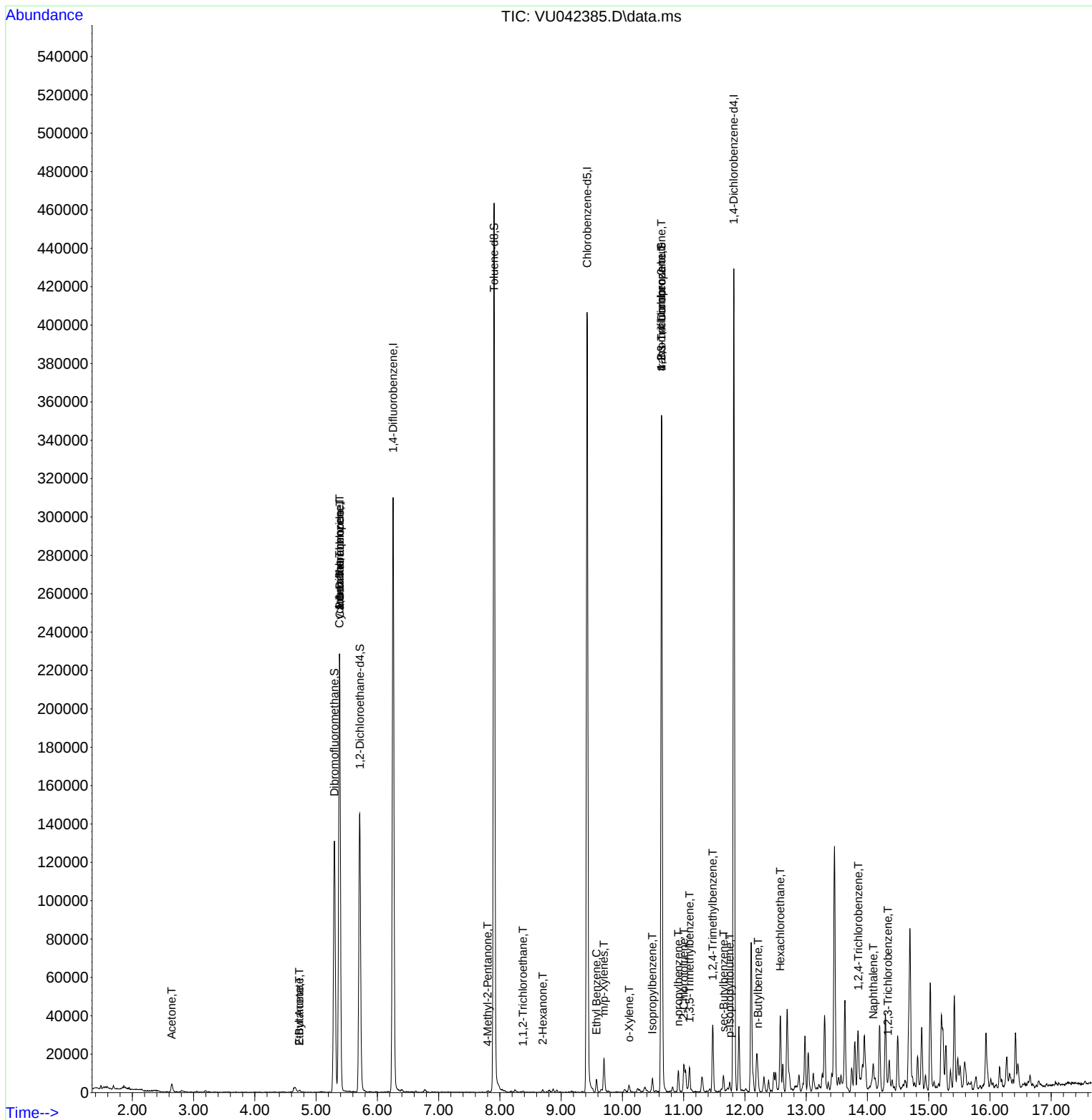
Quant Time: Feb 22 13:37:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 19 02:55:52 2021
 Response via : Initial Calibration

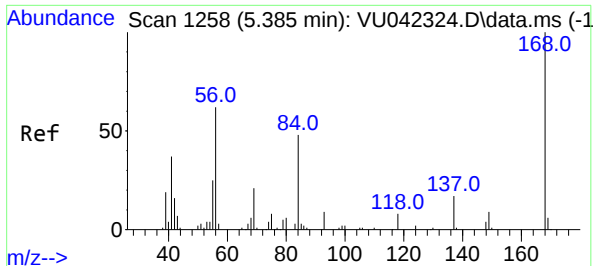
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.382	168	158269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	238502	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	216691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	105031	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	115403	48.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.16%	
35) Dibromofluoromethane	5.298	113	80677	47.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.84%	
50) Toluene-d8	7.906	98	299088	49.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.22%	
62) 4-Bromofluorobenzene	10.639	95	106857	44.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.94%	
Target Compounds					Qvalue	
16) Acetone	2.642	43	5918	3.98	ug/l	95
25) 2-Butanone	4.726	43	1058	0.53	ug/l #	54
31) Cyclohexane	5.379	56	3848	1.22	ug/l #	23
36) 1,1-Dichloropropene	5.382	75	12545	5.32	ug/l #	48
37) Ethyl Acetate	4.726	43	1058	0.29	ug/l #	71
38) Carbon Tetrachloride	5.385	117	15721	6.24	ug/l #	16
51) 4-Methyl-2-Pentanone	7.800	43	1000	0.27	ug/l #	57
55) 1,1,2-Trichloroethane	8.375	97	451	0.27	ug/l #	13
59) 2-Hexanone	8.700	43	884	0.30	ug/l	91
67) Ethyl Benzene	9.578	91	4494	0.58	ug/l	97
68) m/p-Xylenes	9.697	106	4561	1.58	ug/l	99
69) o-Xylene	10.111	106	1055	0.37	ug/l	98
73) Isopropylbenzene	10.491	105	4445	0.63	ug/l	98
76) 1,2,3-Trichloropropane	10.639	75	60362	23.24	ug/l #	37
78) n-propylbenzene	10.912	91	8396	1.04	ug/l	99
79) 2-Chlorotoluene	11.002	91	1329	0.27	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.095	105	7163	1.19	ug/l	93
81) trans-1,4-Dichloro-2-b...	10.639	75	60362	63.19	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.475	105	17931	2.98	ug/l	98
85) sec-Butylbenzene	11.652	105	4979	0.73	ug/l	96
86) p-Isopropyltoluene	11.751	119	2242	0.35	ug/l	95
89) n-Butylbenzene	12.214	91	4914	0.88	ug/l #	53
90) Hexachloroethane	12.578	117	2317	2.06	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.851	180	382	1.85	ug/l #	1
95) Naphthalene	14.095	128	11433	3.77	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.336	180	565	1.92	ug/l #	70

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

Quant Time: Feb 22 13:37:24 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

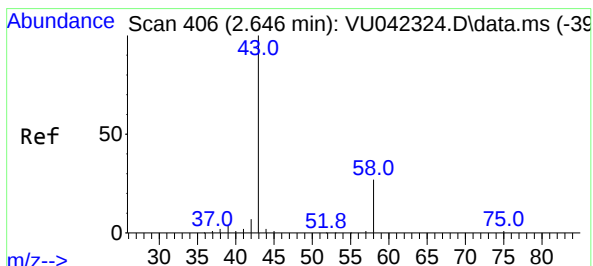
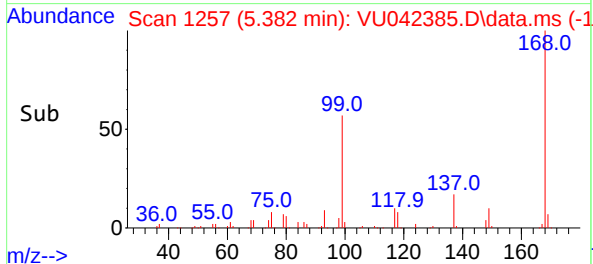
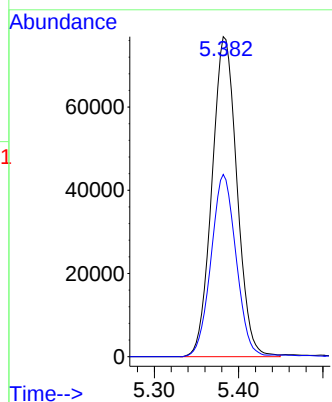
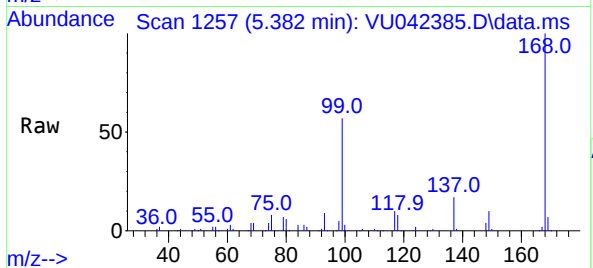




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

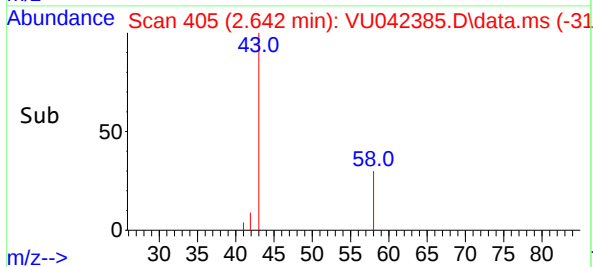
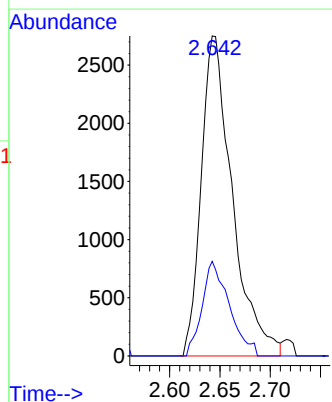
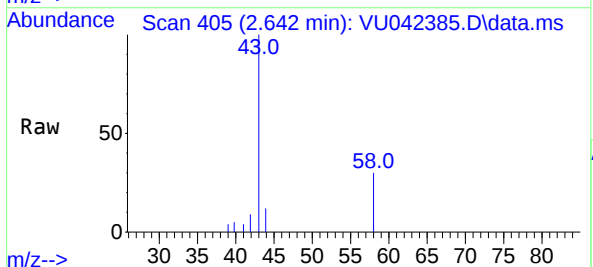
Instrument :
MSVOA_U
ClientSampleId :

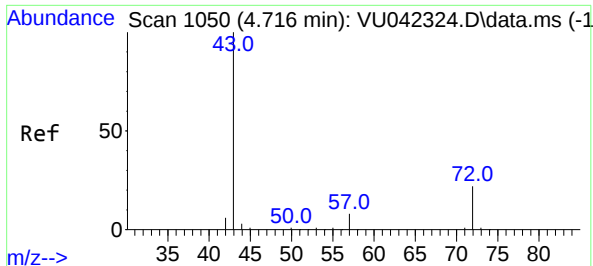
Tgt Ion:168 Resp: 158269
Ion Ratio Lower Upper
168 100
99 57.0 45.0 67.4



#16
Acetone
Concen: 3.98 ug/l
RT: 2.642 min Scan# 405
Delta R.T. -0.003 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

Tgt Ion: 43 Resp: 5918
Ion Ratio Lower Upper
43 100
58 29.6 21.5 32.3

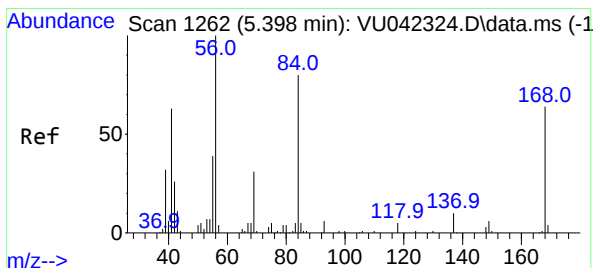
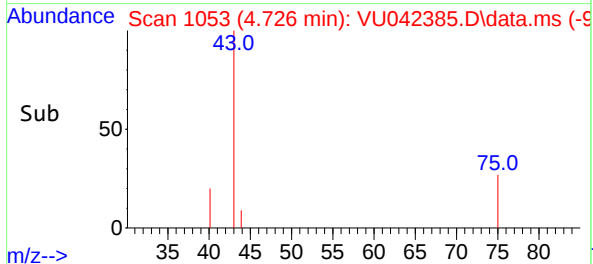
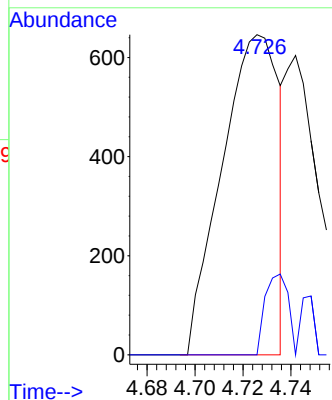
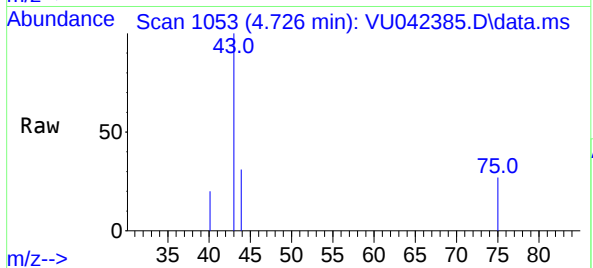




#25
2-Butanone
Concen: 0.53 ug/l
RT: 4.726 min Scan# 1053
Delta R.T. 0.010 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

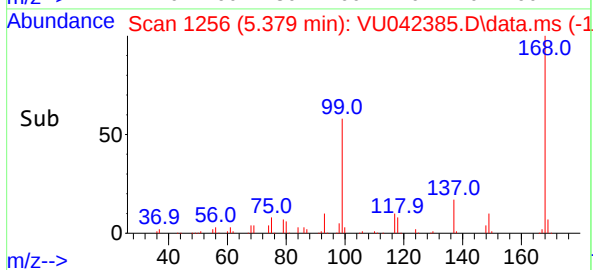
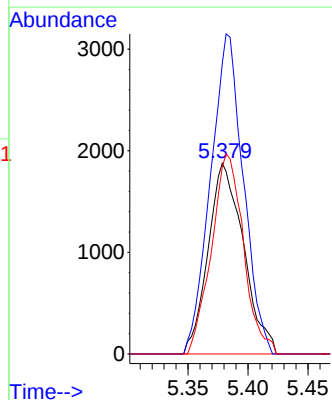
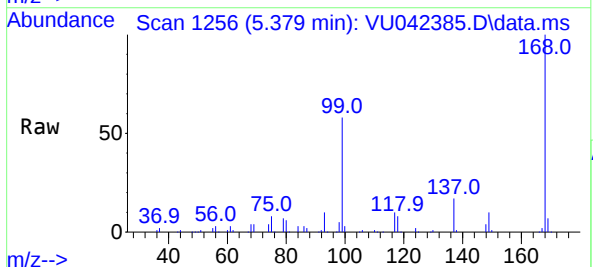
Instrument :
MSVOA_U
ClientSampled :

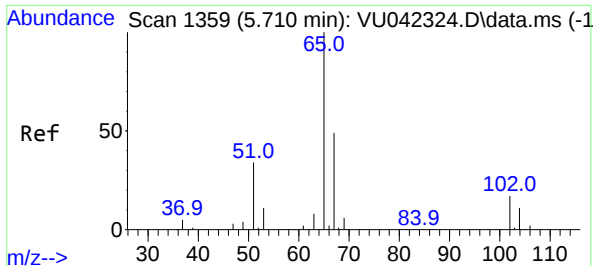
Tgt Ion: 43 Resp: 1058
Ion Ratio Lower Upper
43 100
72 0.0 17.4 26.0#



#31
Cyclohexane
Concen: 1.22 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.019 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

Tgt Ion: 56 Resp: 3848
Ion Ratio Lower Upper
56 100
69 152.2 24.9 37.3#
84 98.0 63.7 95.5#

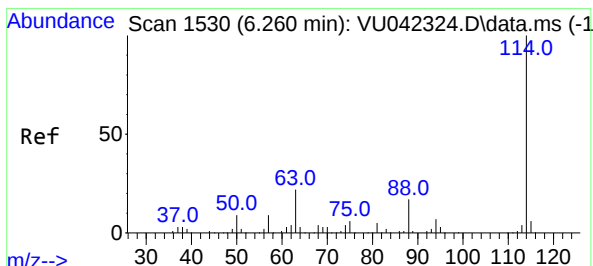
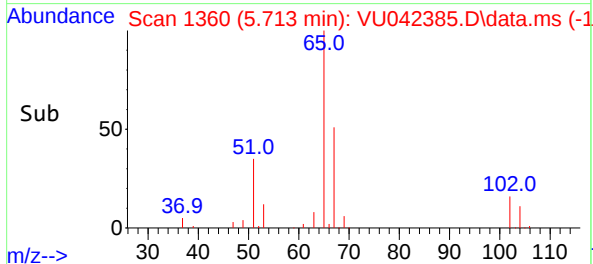
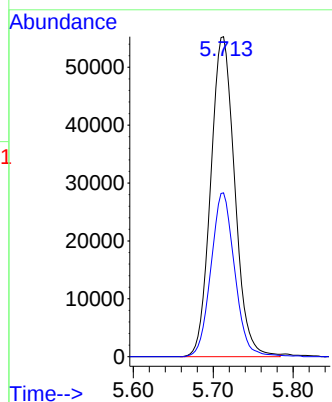
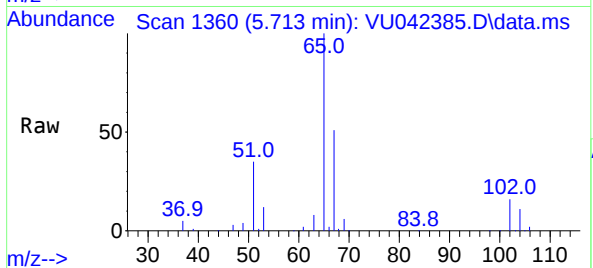




#33
1,2-Dichloroethane-d4
Concen: 48.08 ug/l
RT: 5.713 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

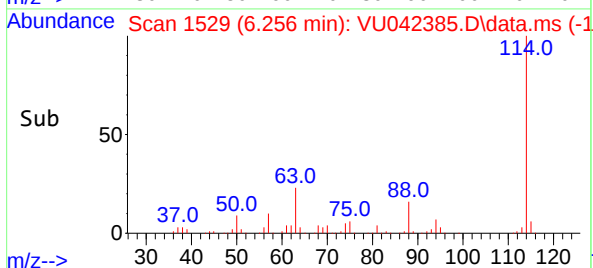
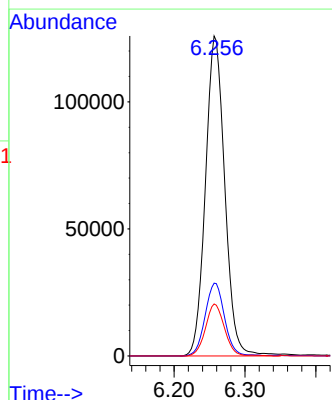
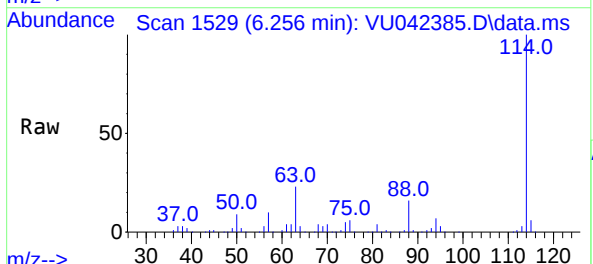
Instrument :
MSVOA_U
ClientSampled :

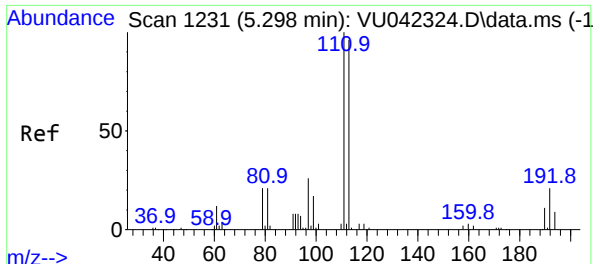
Tgt Ion: 65 Resp: 115403
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. -0.003 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

Tgt Ion: 114 Resp: 238502
Ion Ratio Lower Upper
114 100
63 22.8 0.0 44.2
88 16.3 0.0 33.4



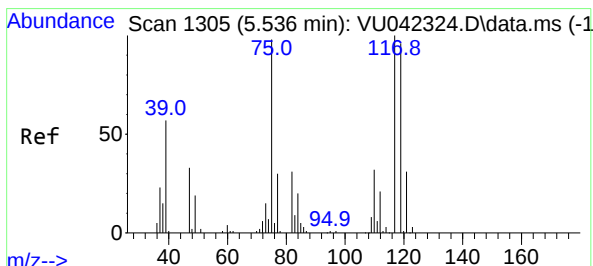
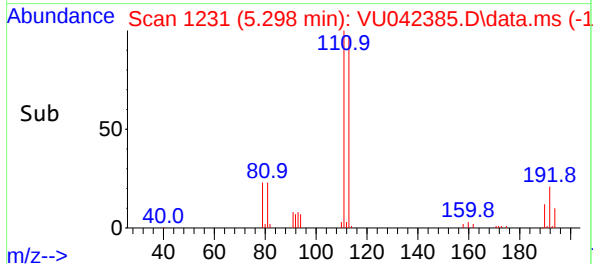
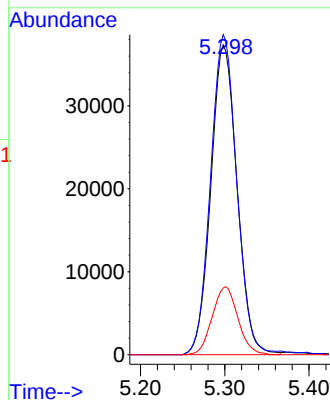
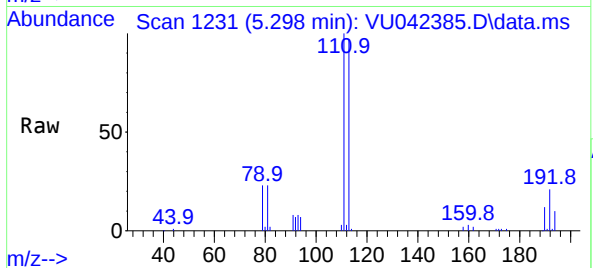


#35
Dibromofluoromethane
Concen: 47.92 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 113 Resp: 80677

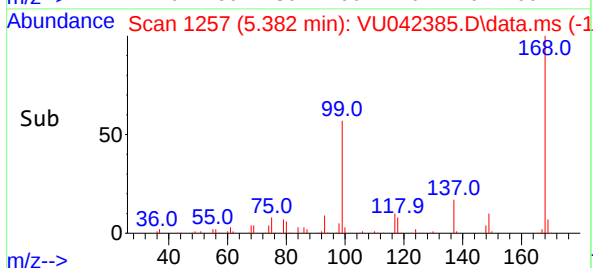
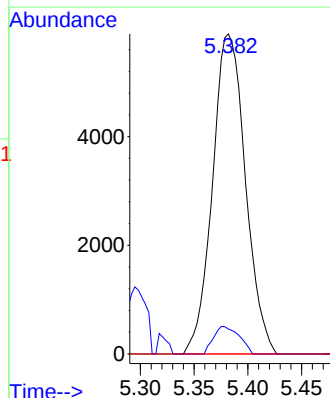
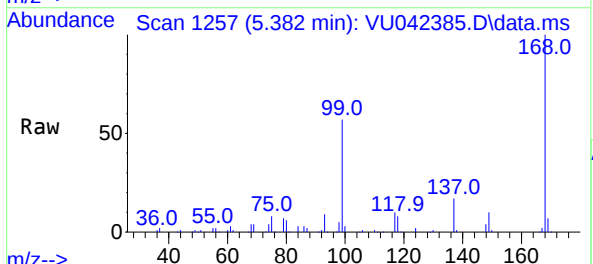
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.8	122.8
192	21.4	17.2	25.8

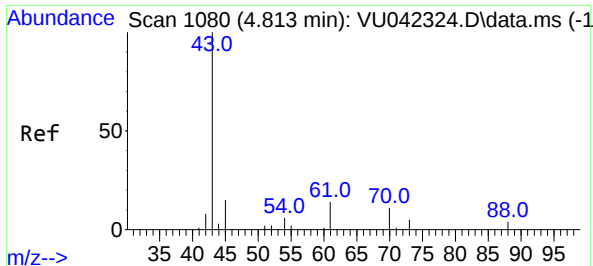


#36
1,1-Dichloropropene
Concen: 5.32 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.154 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

Tgt Ion: 75 Resp: 12545

Ion	Ratio	Lower	Upper
75	100		
110	6.7	16.8	50.3#
77	0.0	24.8	37.2#

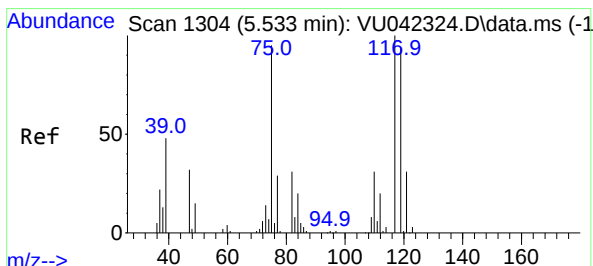
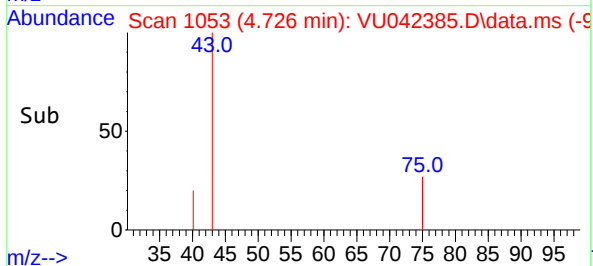
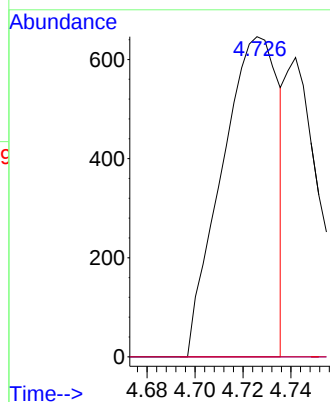
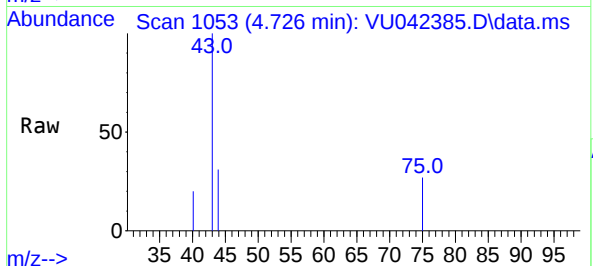




#37
Ethyl Acetate
Concen: 0.29 ug/l
RT: 4.726 min Scan# 1053
Delta R.T. -0.087 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

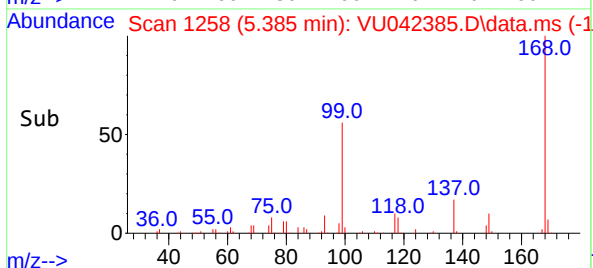
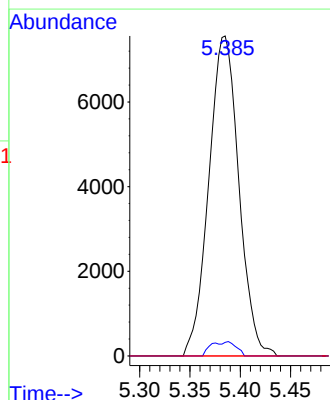
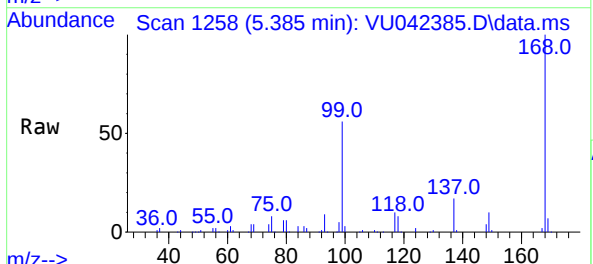
Instrument :
MSVOA_U
ClientSampleId :

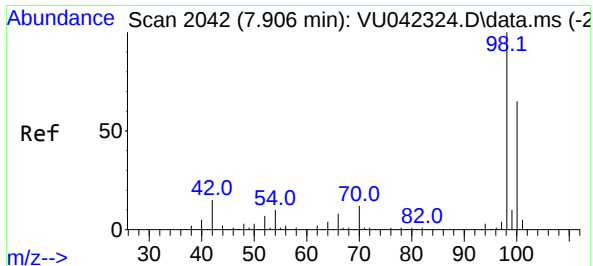
Tgt Ion: 43	Resp: 1058
Ion Ratio	Lower Upper
43	100
61	0.0 10.1 15.1#
70	0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 6.24 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

Tgt Ion: 117	Resp: 15721
Ion Ratio	Lower Upper
117	100
119	4.3 75.5 113.3#
121	0.0 24.7 37.1#

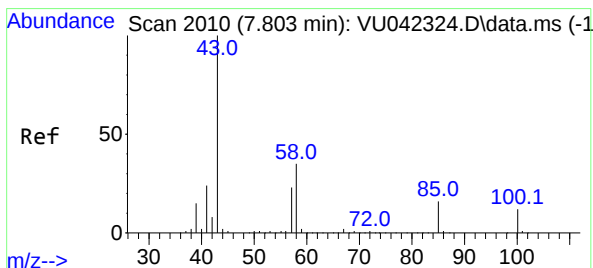
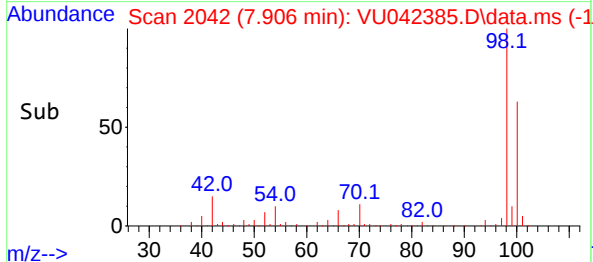
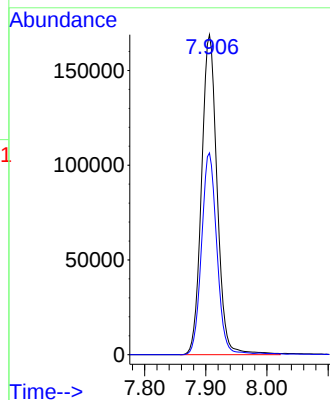
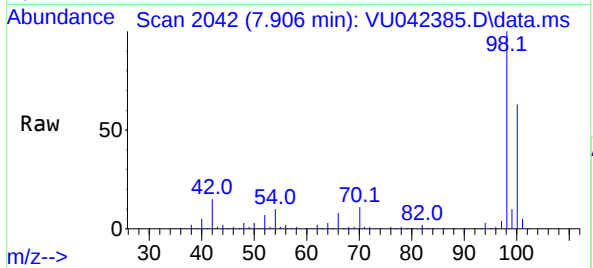




#50
Toluene-d8
Concen: 49.61 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

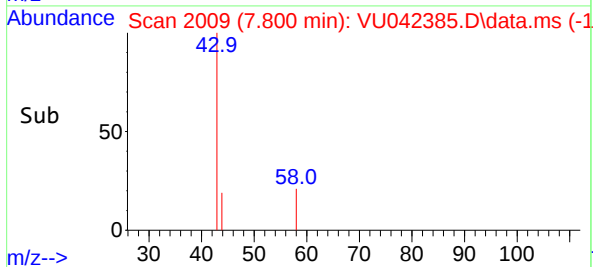
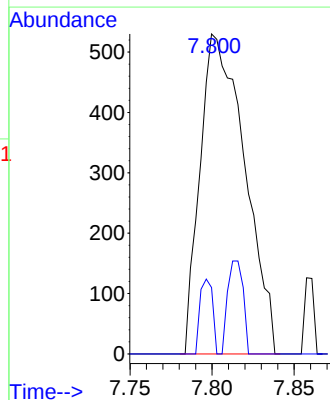
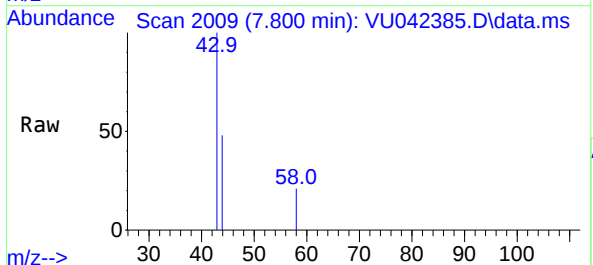
Tgt Ion: 98 Resp: 299088
Ion Ratio Lower Upper
98 100
100 61.9 50.2 75.2

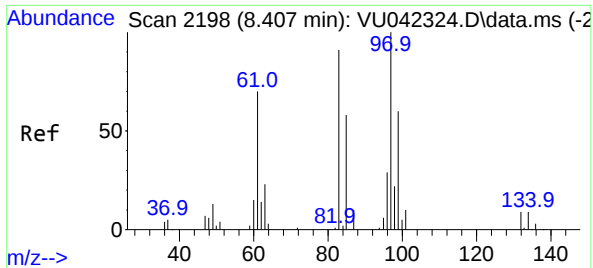
Instrument :
MSVOA_U
ClientSampled :



#51
4-Methyl-2-Pentanone
Concen: 0.27 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.003 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

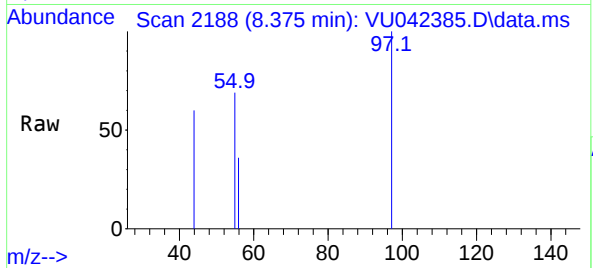
Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
58 10.1 28.1 42.1#





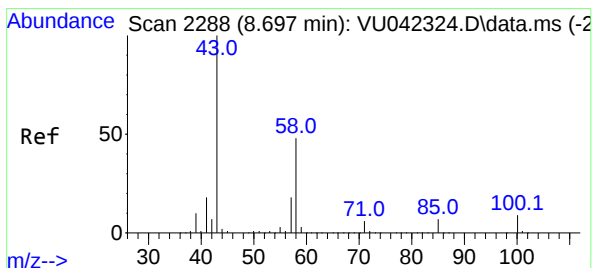
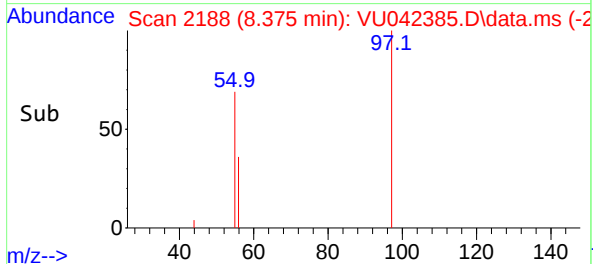
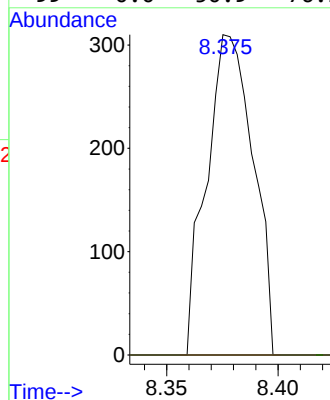
#55
1,1,2-Trichloroethane
Concen: 0.27 ug/l
RT: 8.375 min Scan# 2188
Delta R.T. -0.032 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

Instrument :
MSVOA_U
ClientSampled :

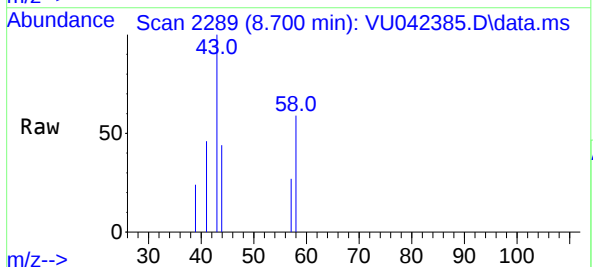


Tgt Ion: 97 Resp: 451

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#

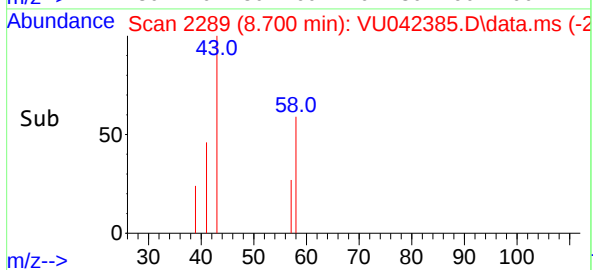
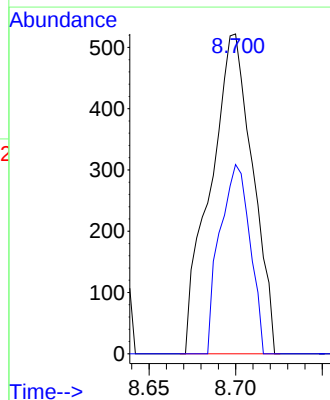


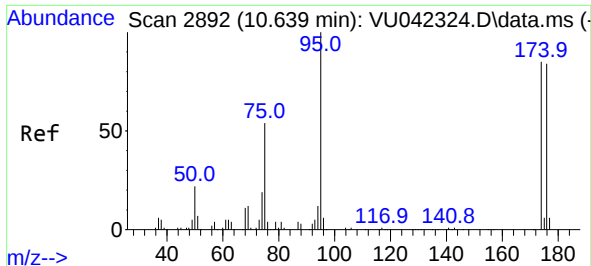
#59
2-Hexanone
Concen: 0.30 ug/l
RT: 8.700 min Scan# 2289
Delta R.T. 0.003 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36



Tgt Ion: 43 Resp: 884

Ion	Ratio	Lower	Upper
43	100		
58	42.1	24.0	72.0

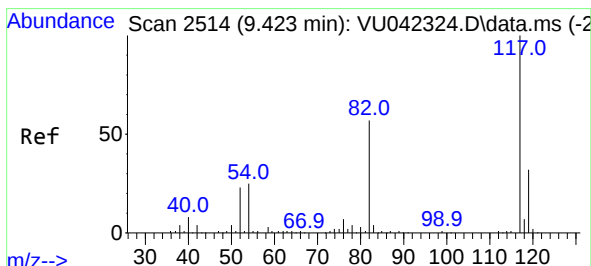
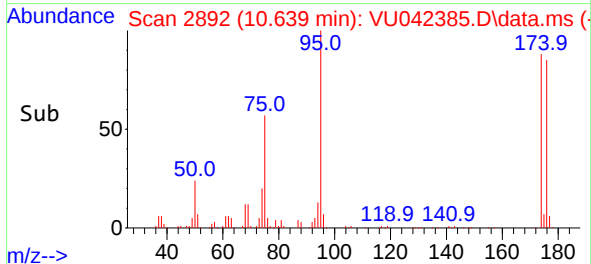
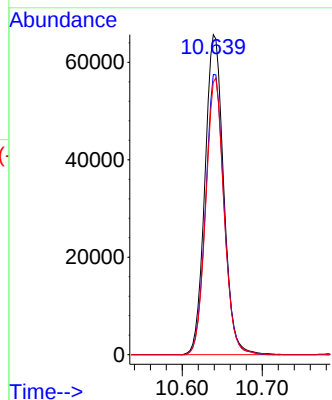
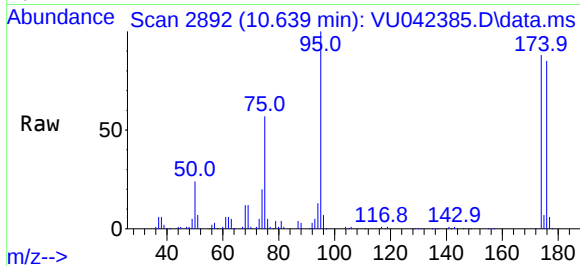




#62
4-Bromofluorobenzene
Concen: 44.97 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

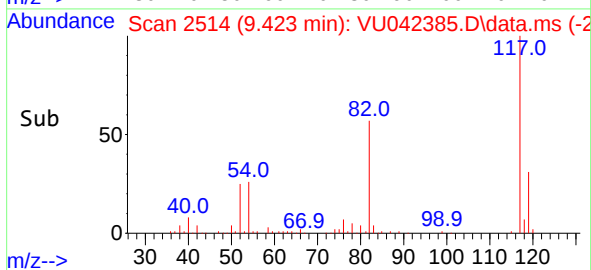
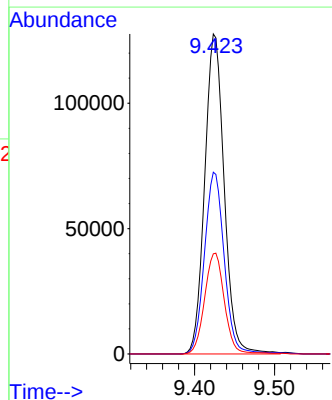
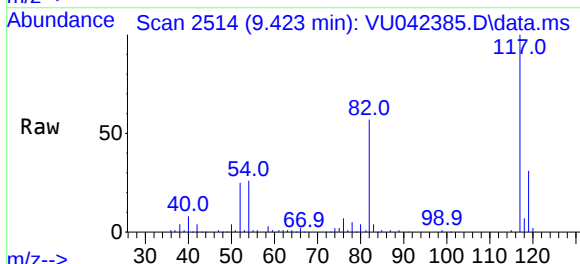
Instrument :
MSVOA_U
ClientSampleId :

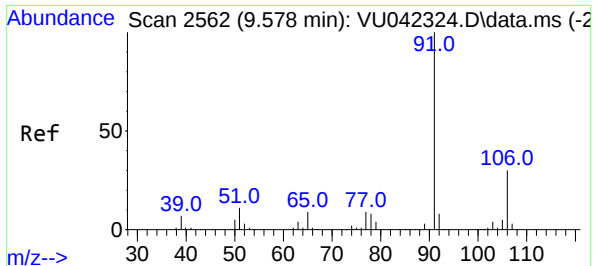
Tgt Ion: 95 Resp: 106857
Ion Ratio Lower Upper
95 100
174 86.5 0.0 172.2
176 84.3 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

Tgt Ion: 117 Resp: 216691
Ion Ratio Lower Upper
117 100
82 56.8 45.8 68.6
119 31.3 25.8 38.8





#67

Ethyl Benzene

Concen: 0.58 ug/l

RT: 9.578 min Scan# 2562

Delta R.T. -0.000 min

Lab File: VU042385.D

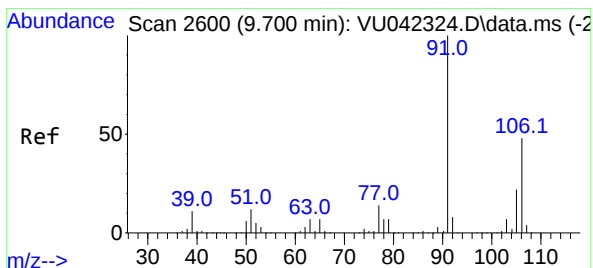
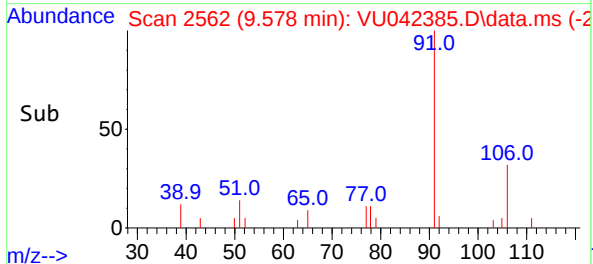
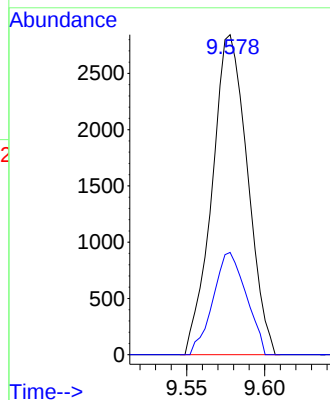
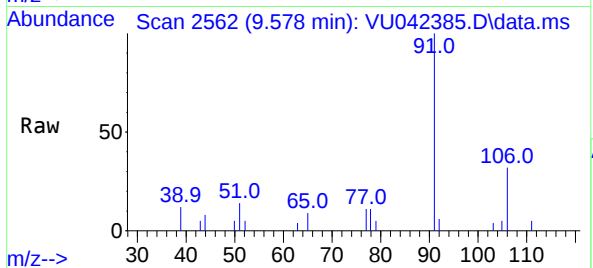
Acq: 22 Feb 2021 11:36

Tgt Ion: 91 Resp: 4494

Ion Ratio Lower Upper

91 100

106 32.0 24.1 36.1



#68

m/p-Xylenes

Concen: 1.58 ug/l

RT: 9.697 min Scan# 2599

Delta R.T. -0.003 min

Lab File: VU042385.D

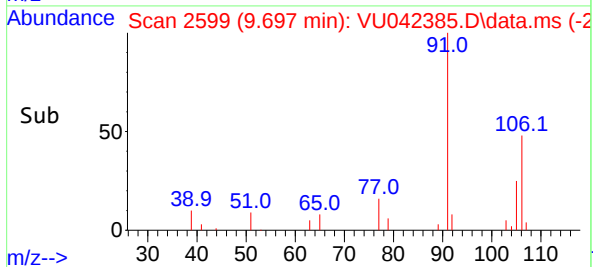
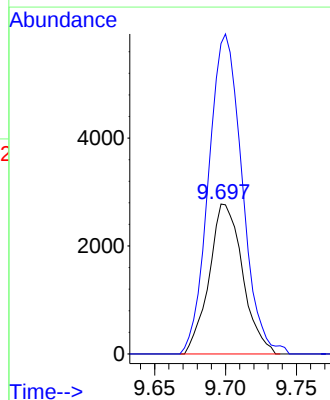
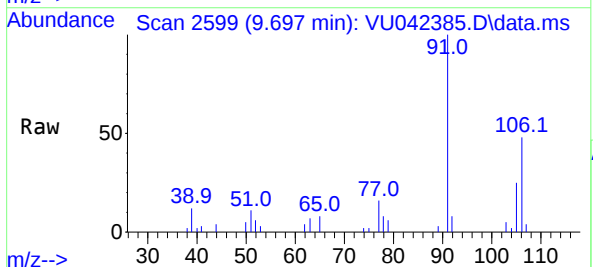
Acq: 22 Feb 2021 11:36

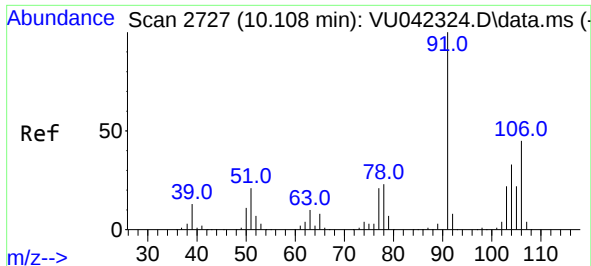
Tgt Ion:106 Resp: 4561

Ion Ratio Lower Upper

106 100

91 213.7 169.9 254.9

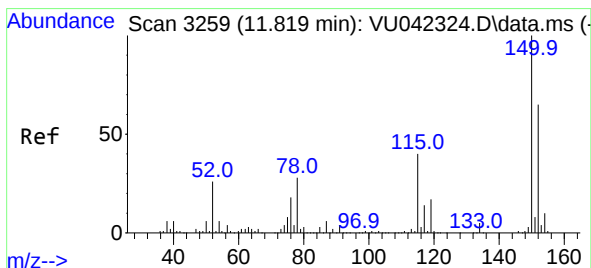
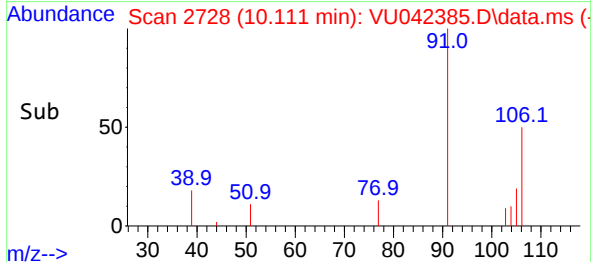
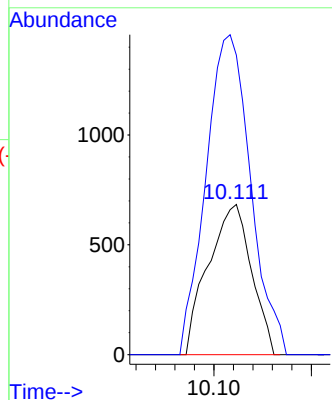
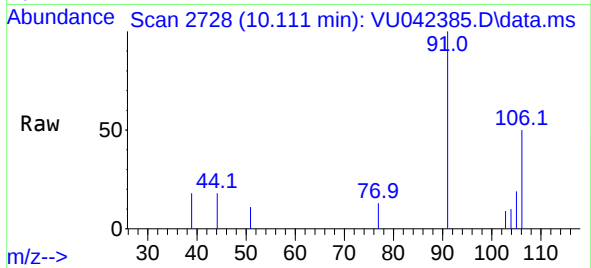




#69
o-Xylene
Concen: 0.37 ug/l
RT: 10.111 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

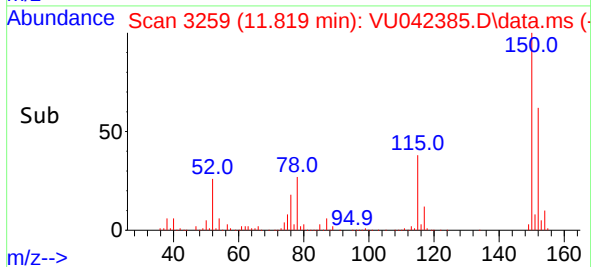
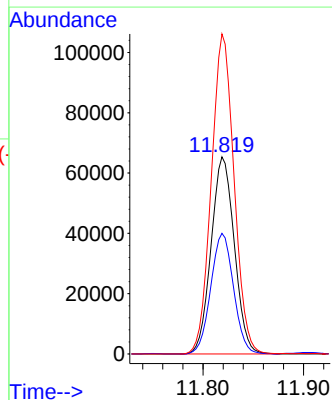
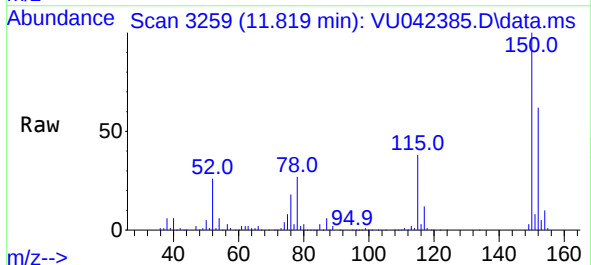
Instrument :
MSVOA_U
ClientSampled :

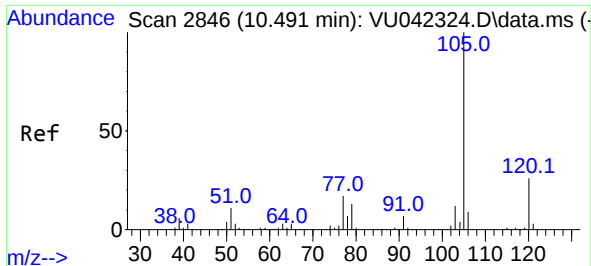
Tgt Ion:106 Resp: 1055
Ion Ratio Lower Upper
106 100
91 219.7 111.2 333.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

Tgt Ion:152 Resp: 105031
Ion Ratio Lower Upper
152 100
115 59.9 41.5 124.6
150 158.9 0.0 342.4

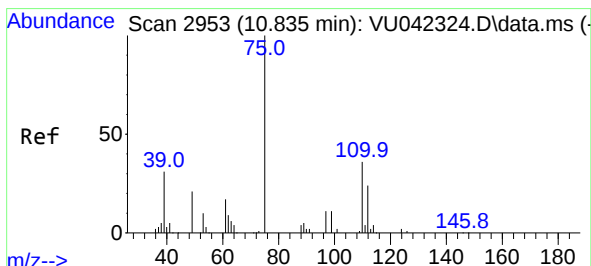
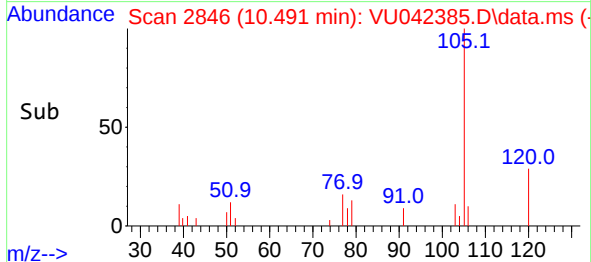
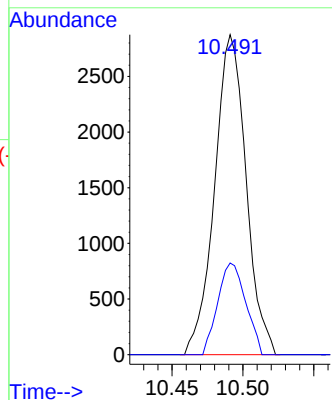
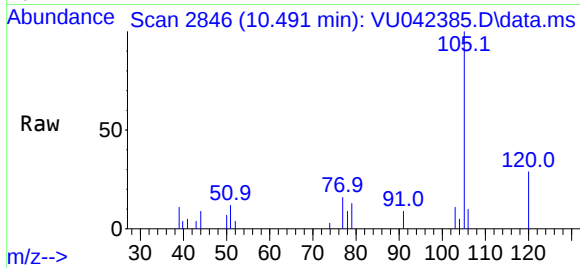




#73
Isopropylbenzene
Concen: 0.63 ug/l
RT: 10.491 min Scan# 2846
Delta R.T. -0.000 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

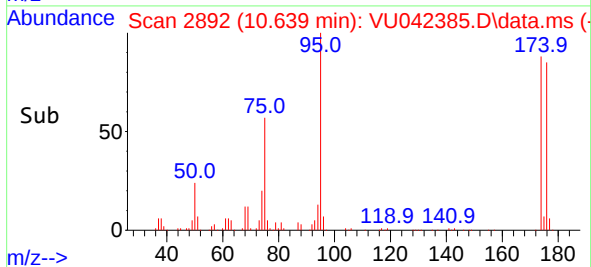
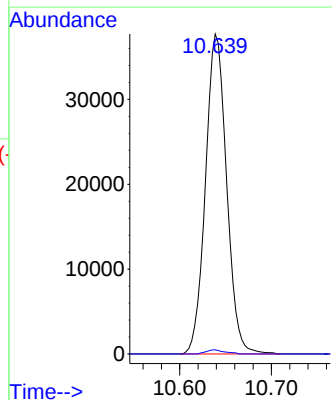
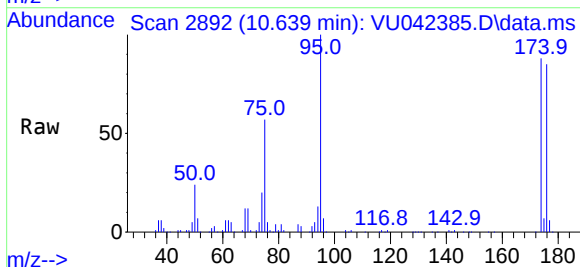
Instrument :
MSVOA_U
ClientSampled :

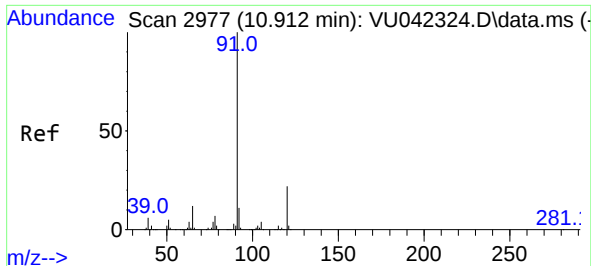
Tgt Ion:105 Resp: 4445
Ion Ratio Lower Upper
105 100
120 25.4 13.1 39.3



#76
1,2,3-Trichloropropane
Concen: 23.24 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

Tgt Ion: 75 Resp: 60362
Ion Ratio Lower Upper
75 100
77 1.1 20.2 60.5#

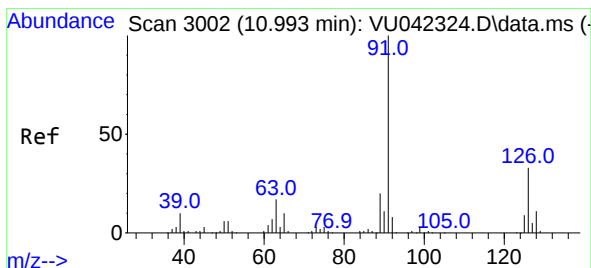
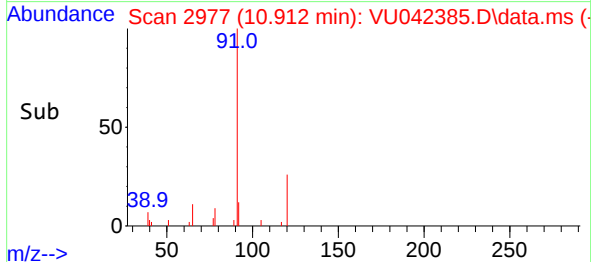
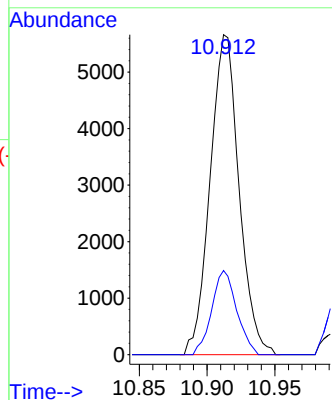
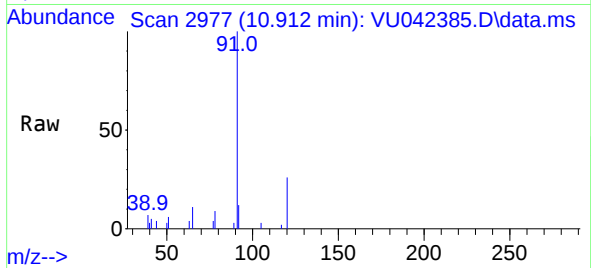




#78
n-propylbenzene
Concen: 1.04 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. -0.000 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

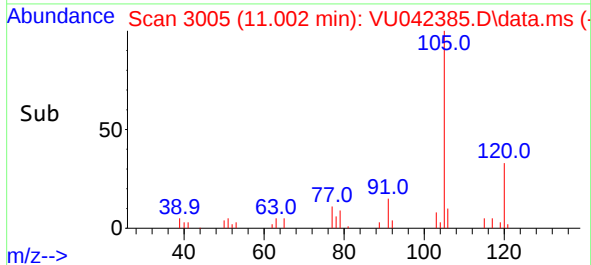
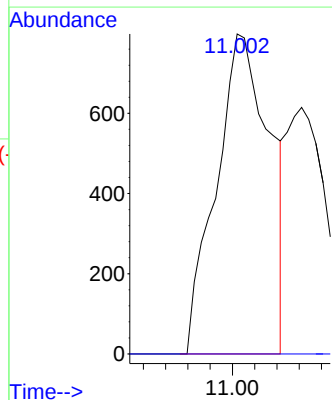
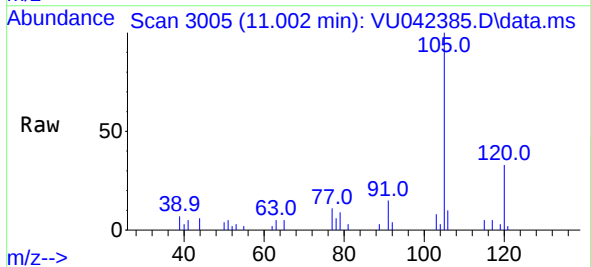
Instrument :
MSVOA_U
ClientSampled :

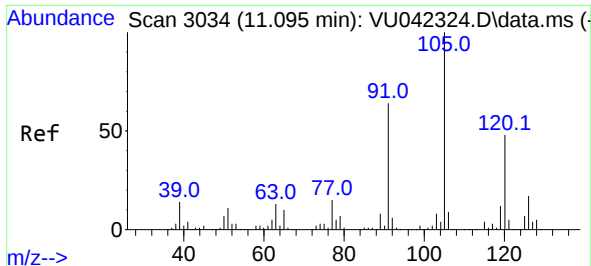
Tgt Ion: 91 Resp: 8396
Ion Ratio Lower Upper
91 100
120 22.7 11.2 33.6



#79
2-Chlorotoluene
Concen: 0.27 ug/l
RT: 11.002 min Scan# 3005
Delta R.T. 0.010 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

Tgt Ion: 91 Resp: 1329
Ion Ratio Lower Upper
91 100
126 0.0 16.7 50.0#

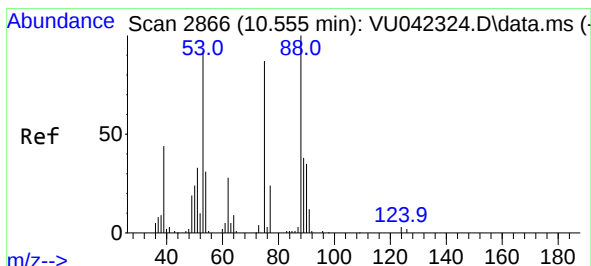
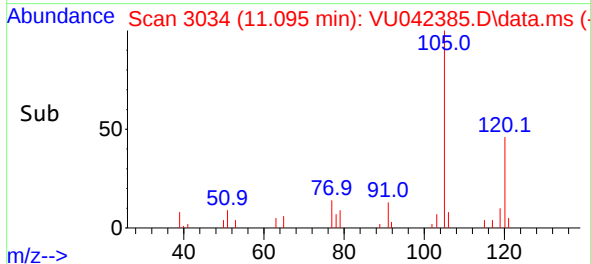
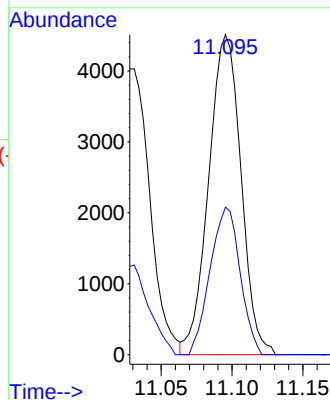
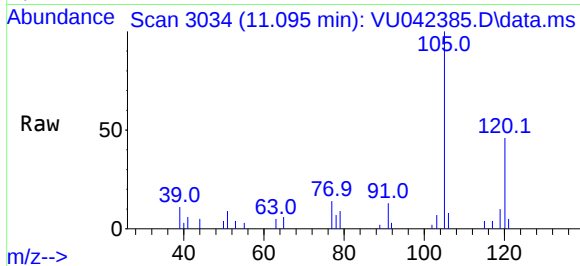




#80
1,3,5-Trimethylbenzene
Concen: 1.19 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. -0.000 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

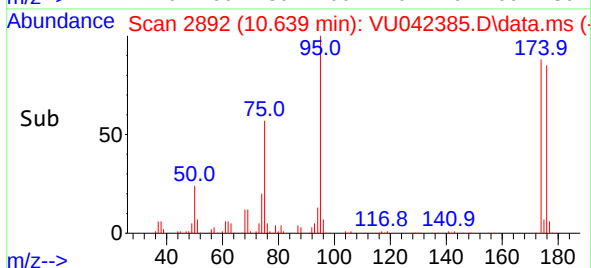
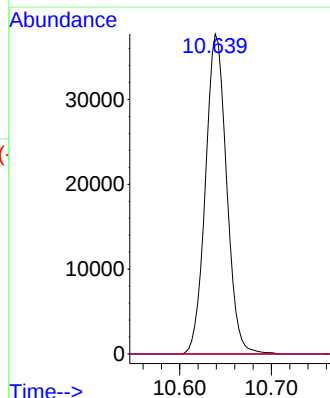
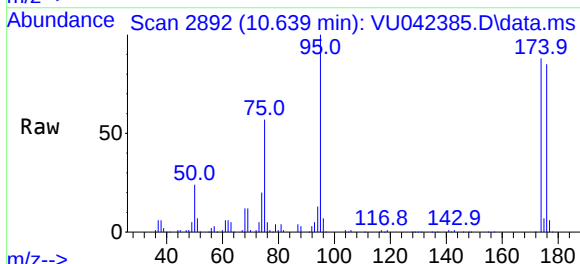
Instrument :
MSVOA_U
ClientSampled :

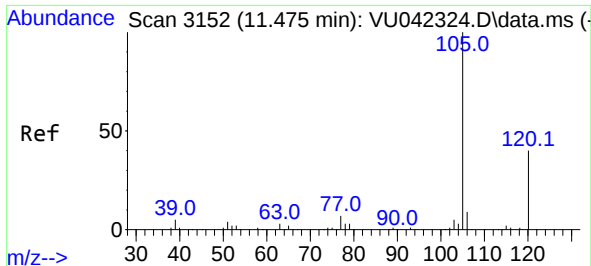
Tgt Ion:105 Resp: 7163
Ion Ratio Lower Upper
105 100
120 42.7 23.8 71.4



#81
trans-1,4-Dichloro-2-butene
Concen: 63.19 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

Tgt Ion: 75 Resp: 60362
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#

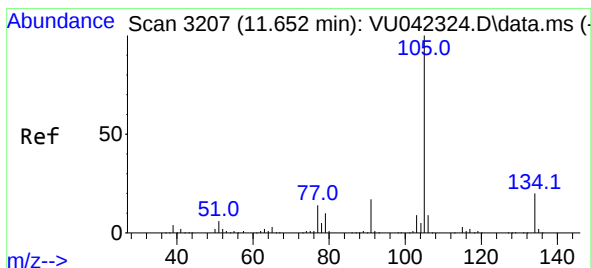
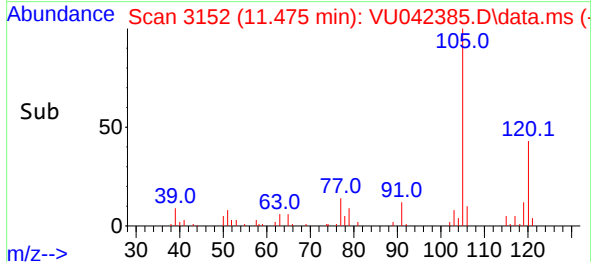
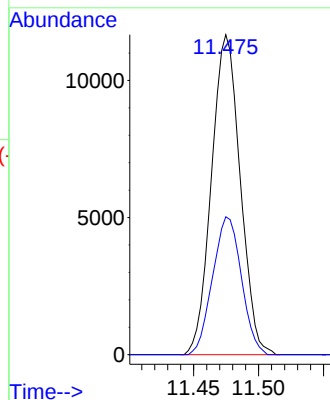
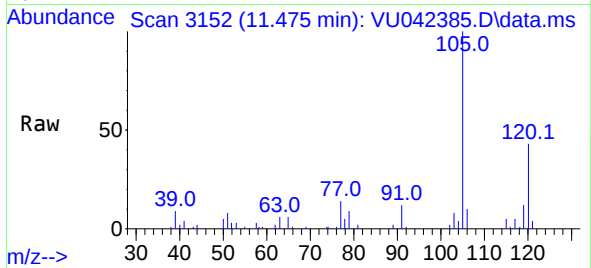




#84
1,2,4-Trimethylbenzene
Concen: 2.98 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

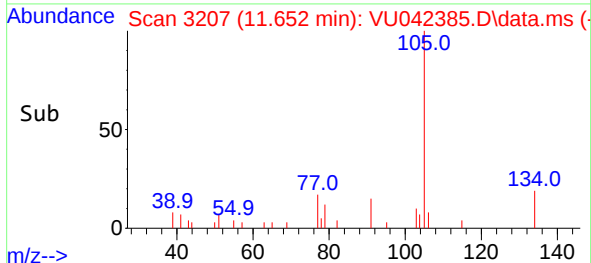
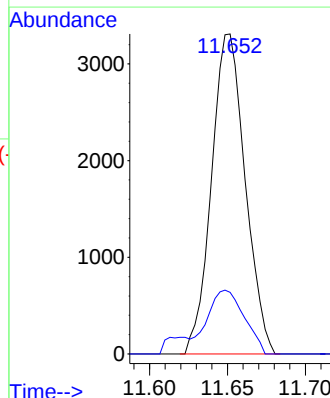
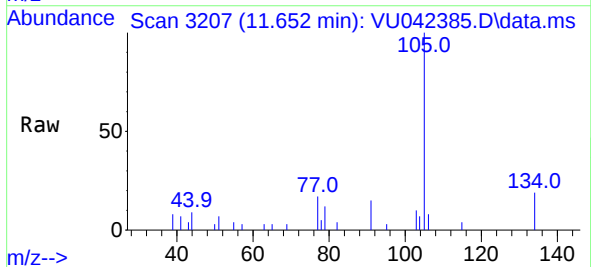
Instrument :
MSVOA_U
ClientSampled :

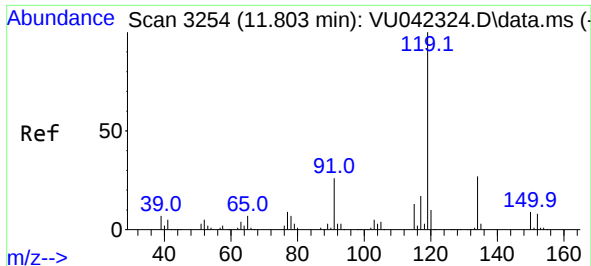
Tgt Ion:105 Resp: 17931
Ion Ratio Lower Upper
105 100
120 43.1 22.3 66.8



#85
sec-Butylbenzene
Concen: 0.73 ug/l
RT: 11.652 min Scan# 3207
Delta R.T. -0.000 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

Tgt Ion:105 Resp: 4979
Ion Ratio Lower Upper
105 100
134 21.9 10.0 30.0



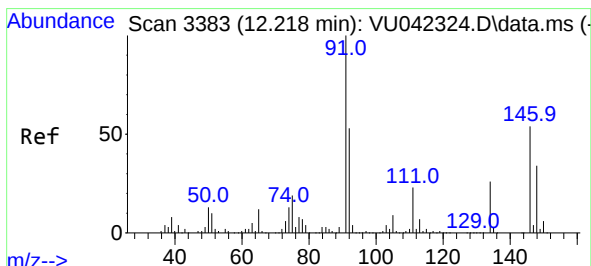
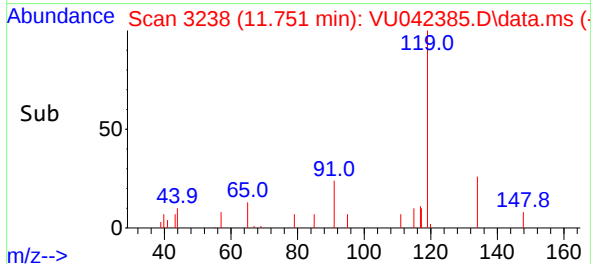
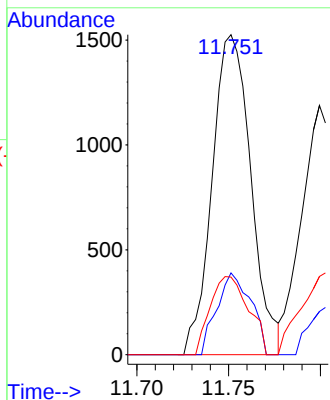
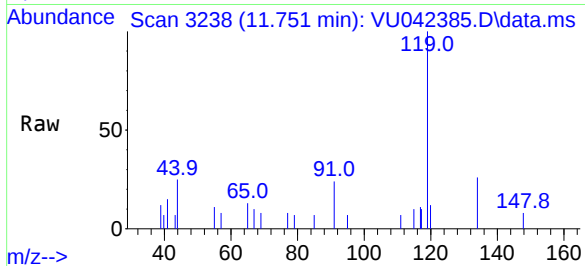


#86
p-Isopropyltoluene
Concen: 0.35 ug/l
RT: 11.751 min Scan# 3238
Delta R.T. -0.052 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 119 Resp: 2242

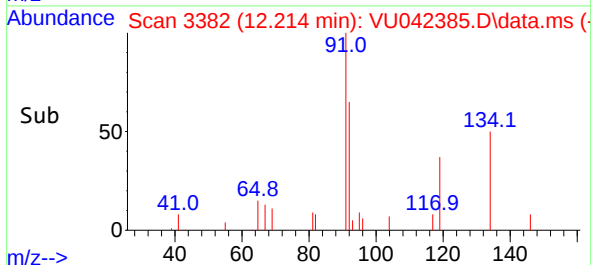
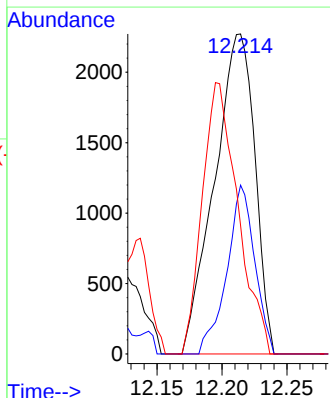
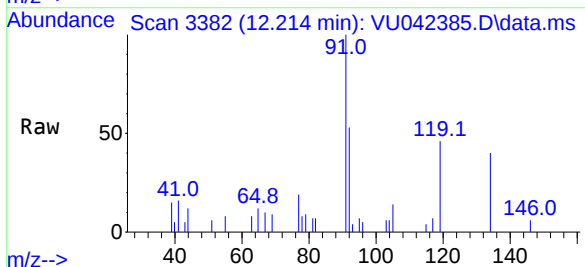
Ion	Ratio	Lower	Upper
119	100		
134	22.3	13.2	39.6
91	24.1	12.8	38.3

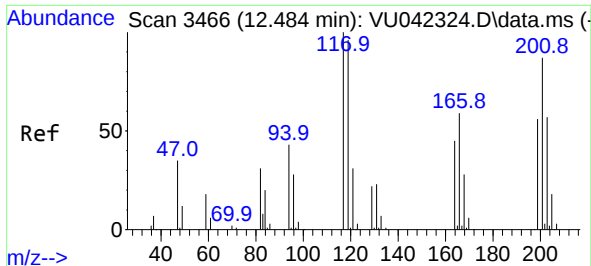


#89
n-Butylbenzene
Concen: 0.88 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. -0.003 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

Tgt Ion: 91 Resp: 4914

Ion	Ratio	Lower	Upper
91	100		
92	36.4	26.2	78.6
134	74.6	12.7	38.1#

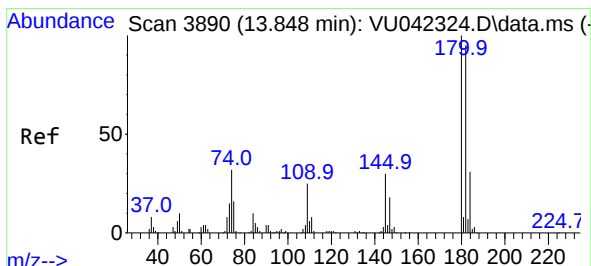
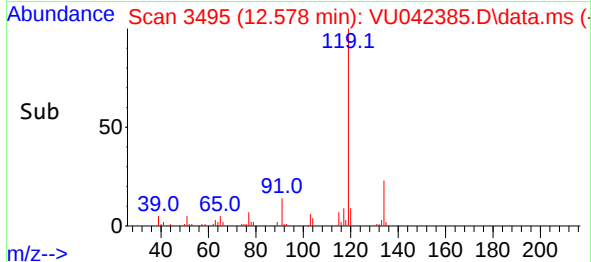
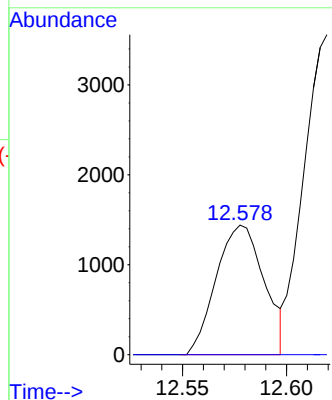
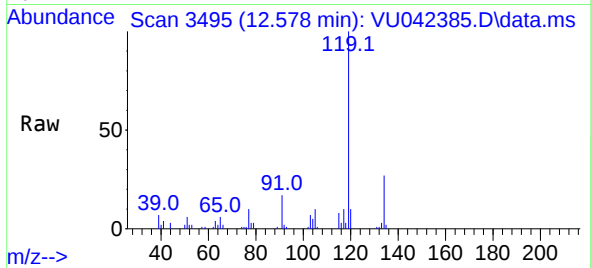




#90
Hexachloroethane
Concen: 2.06 ug/l
RT: 12.578 min Scan# 3495
Delta R.T. 0.093 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

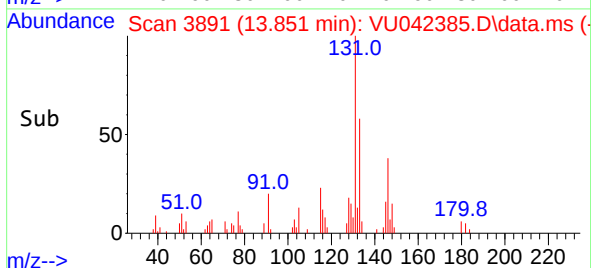
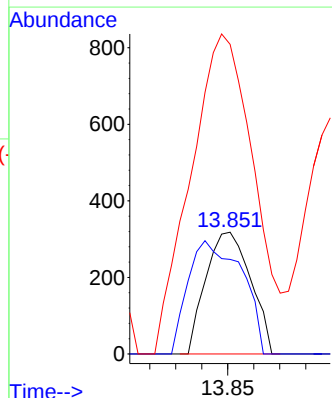
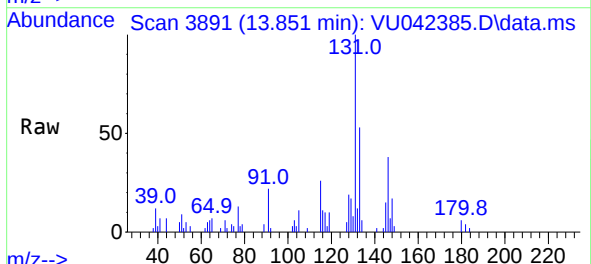
Instrument :
MSVOA_U
ClientSampled :

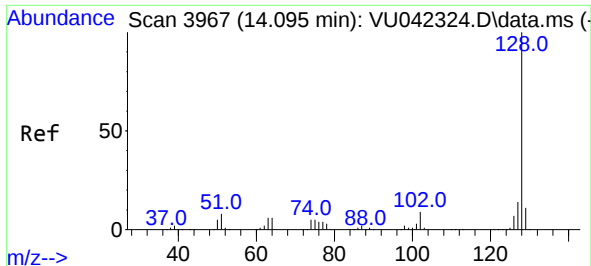
Tgt Ion:117 Resp: 2317
Ion Ratio Lower Upper
117 100
201 0.0 43.5 130.7#



#93
1,2,4-Trichlorobenzene
Concen: 1.85 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.003 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

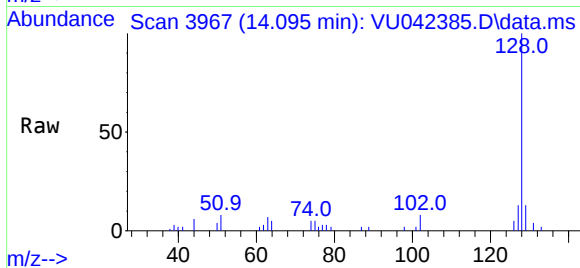
Tgt Ion:180 Resp: 382
Ion Ratio Lower Upper
180 100
182 111.0 46.9 140.8
145 367.8 14.4 43.4#



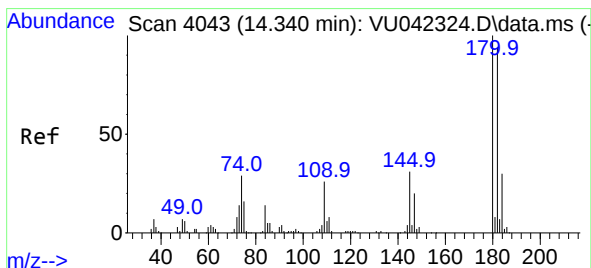
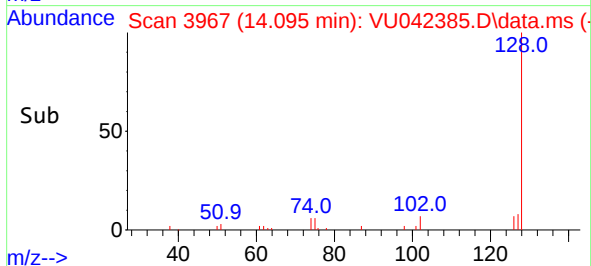
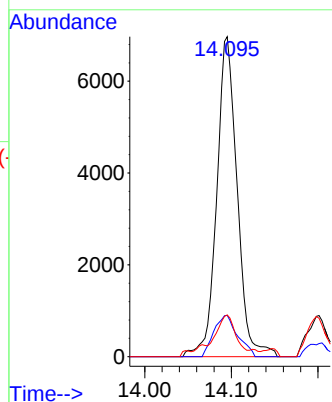


#95
Naphthalene
Concen: 3.77 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

Instrument :
MSVOA_U
ClientSampled :



Tgt Ion:128 Resp: 11433
Ion Ratio Lower Upper
128 100
127 15.0 10.8 16.2
129 14.7 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.92 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. -0.004 min
Lab File: VU042385.D
Acq: 22 Feb 2021 11:36

Tgt Ion:180 Resp: 565
Ion Ratio Lower Upper
180 100
182 75.2 48.0 144.0
145 0.0 15.5 46.5#

