

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041321\
 Data File : VU043075.D
 Acq On : 14 Apr 2021 01:01
 Operator : SY/MD
 Sample : M1978-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 14 05:10:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 12 13:17:29 2021
 Response via : Initial Calibration

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

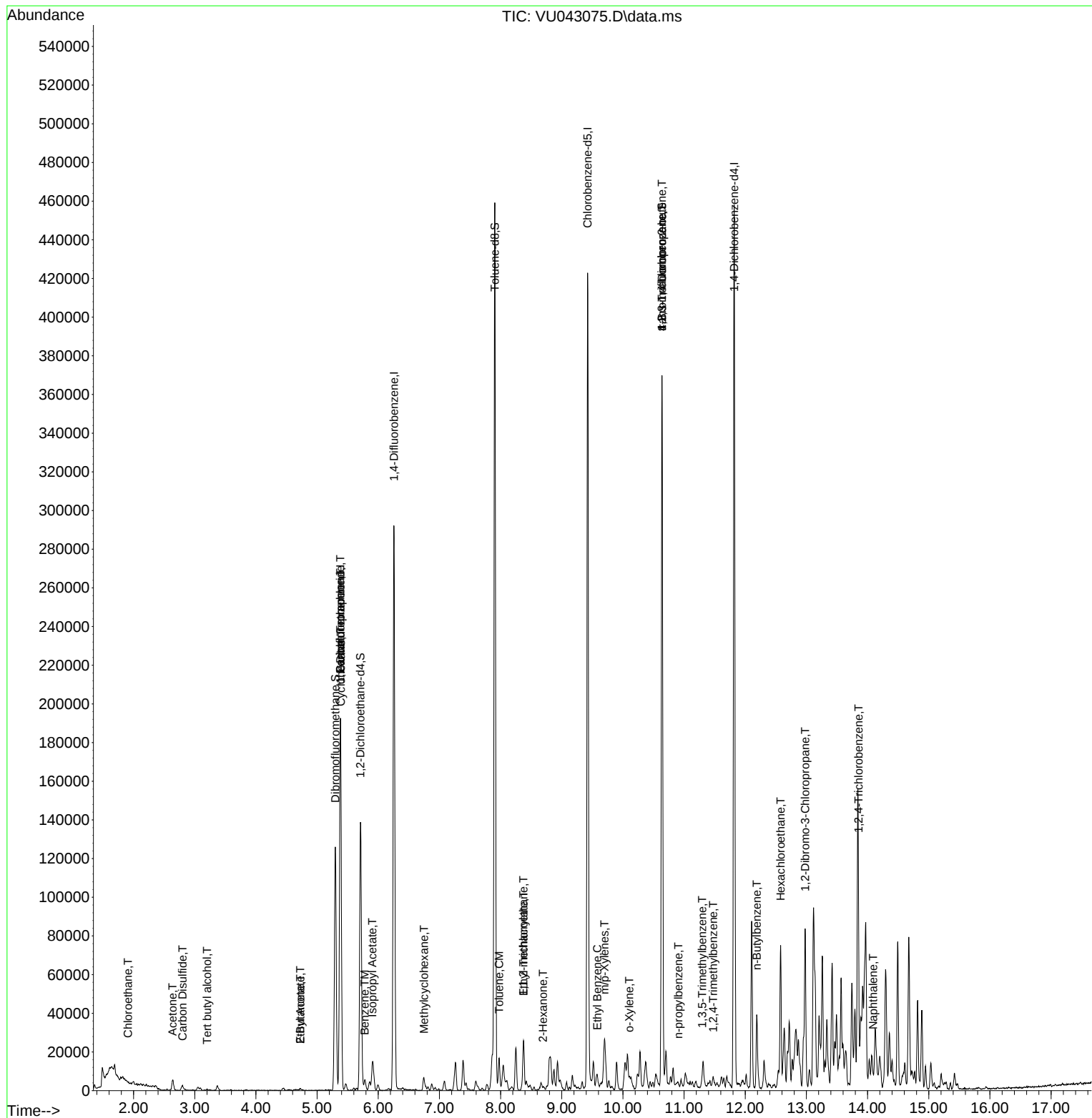
Internal Standards						
1) Pentafluorobenzene	5.382	168	133013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	218644	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	210606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	110793	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	109313	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.78%	
35) Dibromofluoromethane	5.298	113	76581	46.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.22%	
50) Toluene-d8	7.906	98	280381	48.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.46%	
62) 4-Bromofluorobenzene	10.639	95	107971	46.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.76%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	273	Below Cal	#	81
6) Chloroethane	1.909	64	600	0.54 ug/l	#	42
11) Tert butyl alcohol	3.202	59	601	1.04 ug/l	#	94
16) Acetone	2.639	43	7994	5.78 ug/l		93
17) Carbon Disulfide	2.800	76	1452	0.38 ug/l	#	90
25) 2-Butanone	4.726	43	1834	0.90 ug/l		96
31) Cyclohexane	5.388	56	3526	1.28 ug/l	#	23
36) 1,1-Dichloropropene	5.379	75	10753	4.64 ug/l	#	51
37) Ethyl Acetate	4.726	43	1834	0.46 ug/l	#	71
38) Carbon Tetrachloride	5.382	117	13810	5.55 ug/l	#	16
39) Methylcyclohexane	6.748	83	1394	0.55 ug/l	#	18
40) Benzene	5.780	78	4204	0.63 ug/l		96
43) Isopropyl Acetate	5.906	43	3003	0.53 ug/l	#	64
52) Toluene	7.976	92	6002	1.46 ug/l		95
55) 1,1,2-Trichloroethane	8.375	97	9091	5.16 ug/l	#	16
56) Ethyl methacrylate	8.375	69	2241	0.78 ug/l	#	1
59) 2-Hexanone	8.694	43	750	0.22 ug/l	#	42
67) Ethyl Benzene	9.581	91	1979	0.24 ug/l		96
68) m/p-Xylenes	9.700	106	3636	1.21 ug/l		98
69) o-Xylene	10.105	106	1353	0.46 ug/l		92
76) 1,2,3-Trichloropropane	10.639	75	62422	19.28 ug/l	#	37
78) n-propylbenzene	10.909	91	1867	0.21 ug/l		85
80) 1,3,5-Trimethylbenzene	11.298	105	2064	0.31 ug/l		65
81) trans-1,4-Dichloro-2-b...	10.639	75	62422	56.65 ug/l	#	7
84) 1,2,4-Trimethylbenzene	11.478	105	1558	0.23 ug/l		98
89) n-Butylbenzene	12.189	91	3863	0.59 ug/l	#	8
90) Hexachloroethane	12.578	117	4265	3.27 ug/l	#	6
92) 1,2-Dibromo-3-Chloropr...	12.983	75	312	0.34 ug/l	#	1
93) 1,2,4-Trichlorobenzene	13.851	180	140	1.56 ug/l	#	1
95) Naphthalene	14.092	128	3023	3.10 ug/l		96

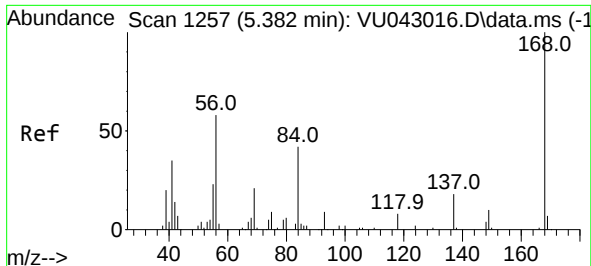
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 12 13:17:29 2021
Response via : Initial Calibration

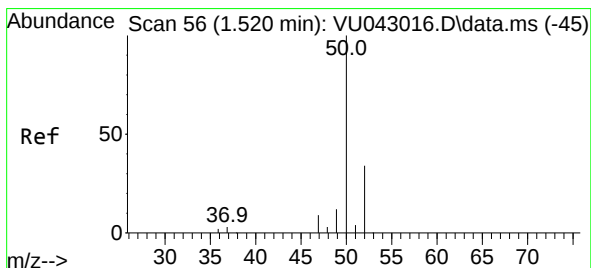
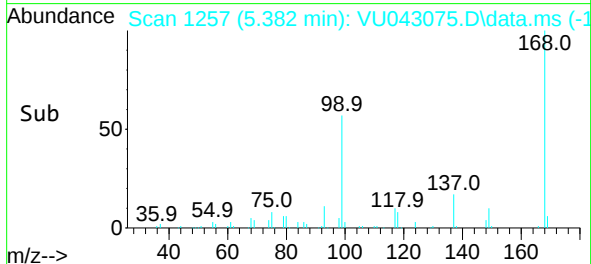
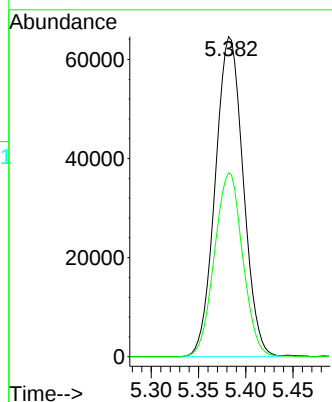
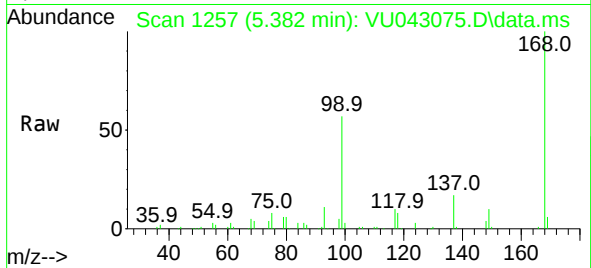




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

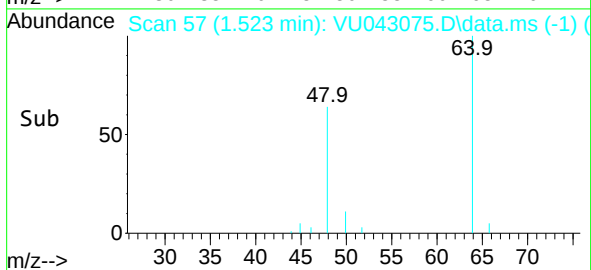
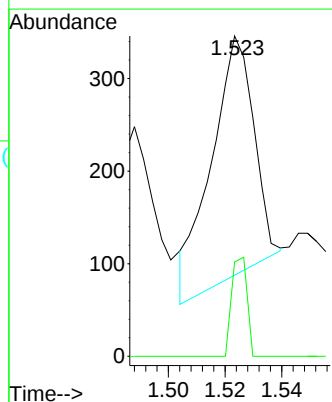
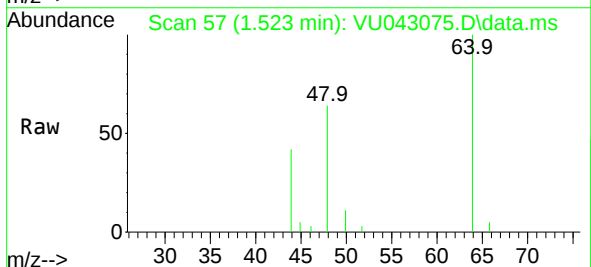
Instrument :
MSVOA_U
ClientSampled :

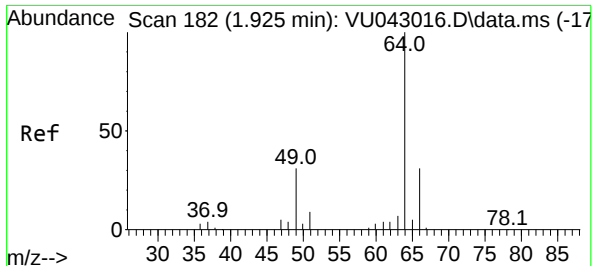
Tgt Ion:168 Resp: 133013
Ion Ratio Lower Upper
168 100
99 57.4 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

Tgt Ion: 50 Resp: 273
Ion Ratio Lower Upper
50 100
52 44.0 26.6 40.0#

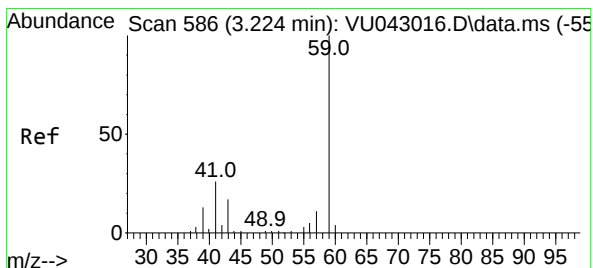
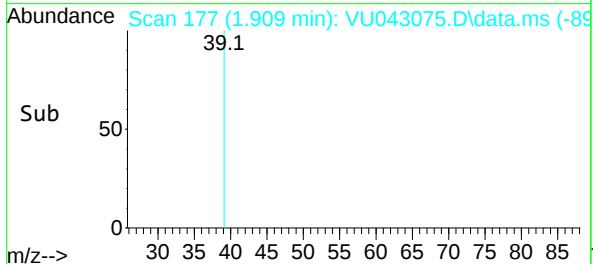
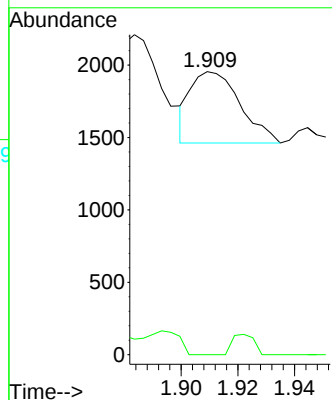
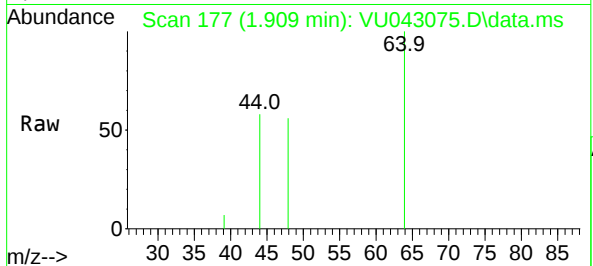




#6
Chloroethane
Concen: 0.54 ug/l
RT: 1.909 min Scan# 177
Delta R.T. -0.016 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

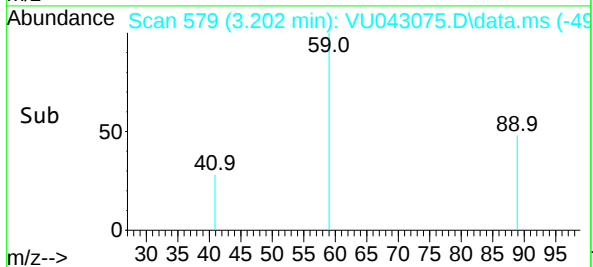
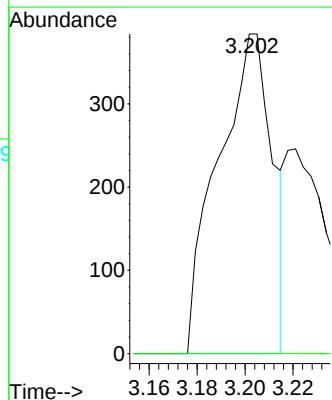
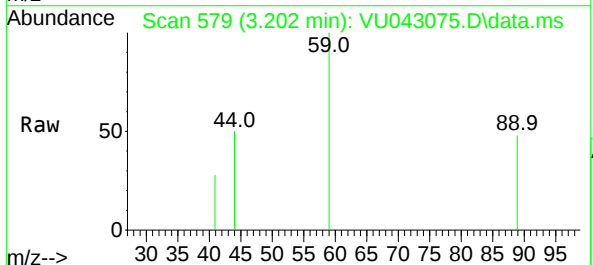
Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 64 Resp: 600
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 1.04 ug/l
RT: 3.202 min Scan# 579
Delta R.T. -0.022 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

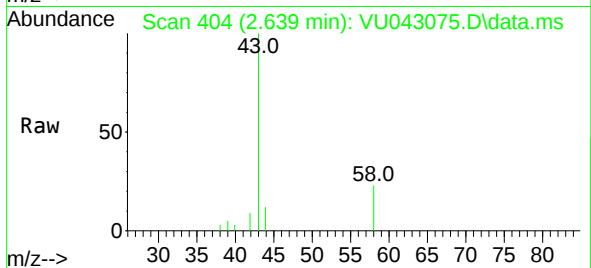
Tgt Ion: 59 Resp: 601
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#



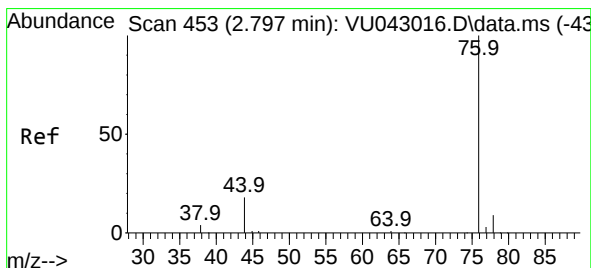
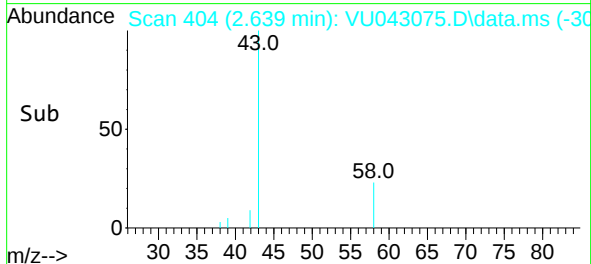
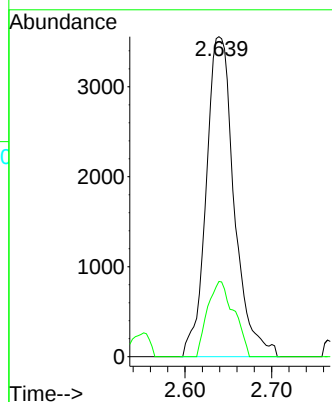


#16
Acetone
Concen: 5.78 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.010 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

Instrument :
MSVOA_U
ClientSampleId :

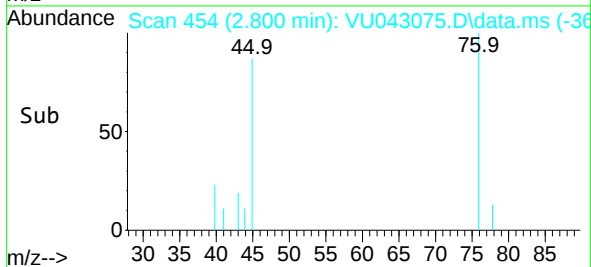
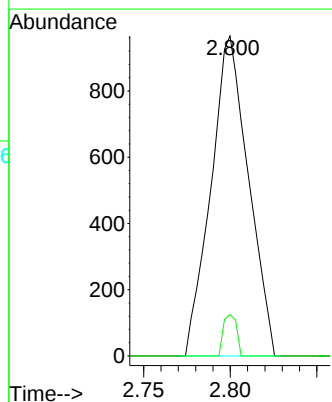
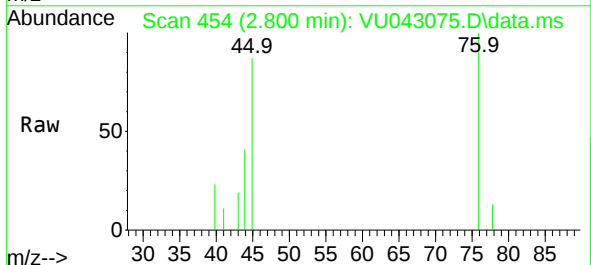


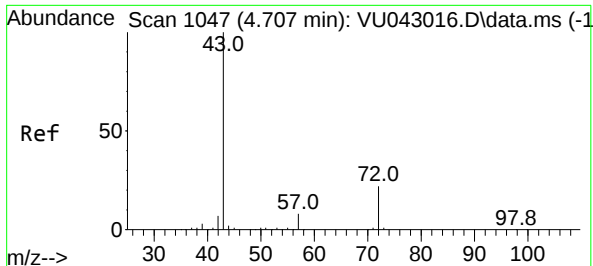
Tgt Ion: 43 Resp: 7994
Ion Ratio Lower Upper
43 100
58 23.5 21.5 32.3



#17
Carbon Disulfide
Concen: 0.38 ug/l
RT: 2.800 min Scan# 454
Delta R.T. 0.003 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

Tgt Ion: 76 Resp: 1452
Ion Ratio Lower Upper
76 100
78 12.9 7.5 11.3#





#25

2-Butanone

Concen: 0.90 ug/l

RT: 4.726 min Scan# 1053

Delta R.T. 0.019 min

Lab File: VU043075.D

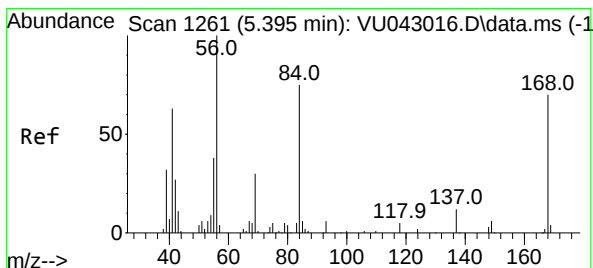
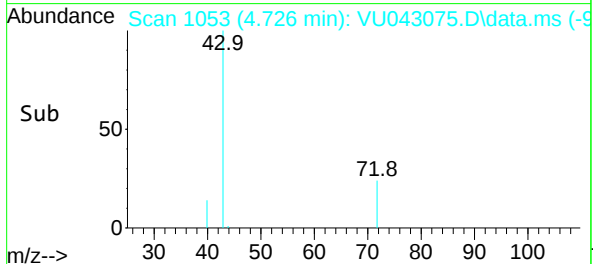
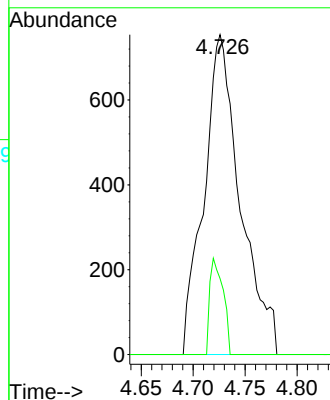
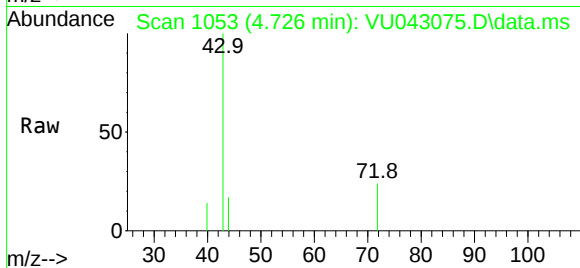
Acq: 14 Apr 2021 01:01

Tgt Ion: 43 Resp: 1834

Ion Ratio Lower Upper

43 100

72 23.7 17.4 26.0



#31

Cyclohexane

Concen: 1.28 ug/l

RT: 5.388 min Scan# 1259

Delta R.T. -0.007 min

Lab File: VU043075.D

Acq: 14 Apr 2021 01:01

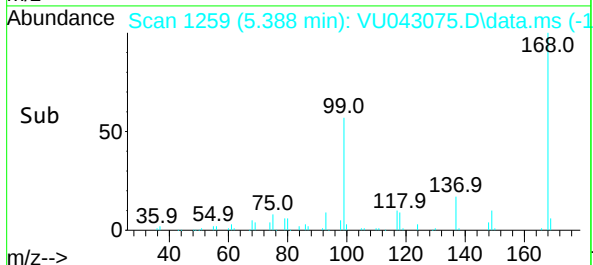
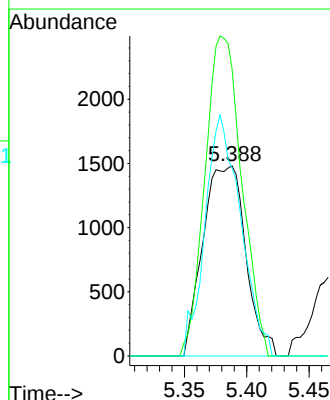
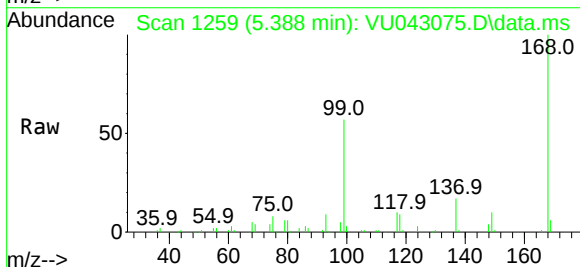
Tgt Ion: 56 Resp: 3526

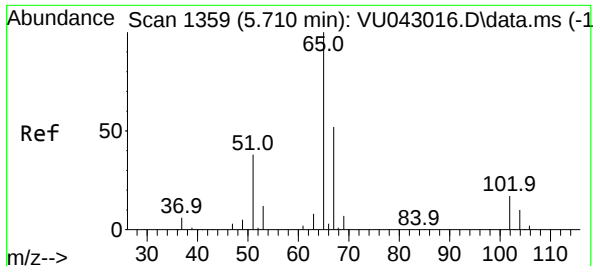
Ion Ratio Lower Upper

56 100

69 151.2 24.9 37.3#

84 98.9 63.7 95.5#





#33

1,2-Dichloroethane-d4

Concen: 48.89 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU043075.D

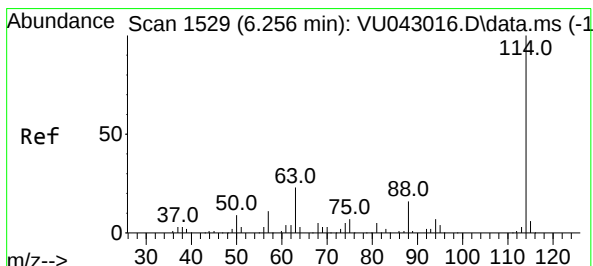
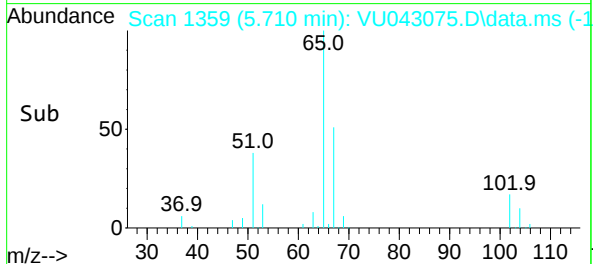
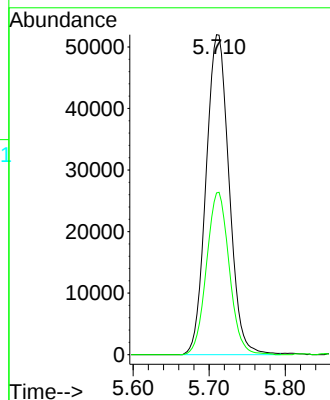
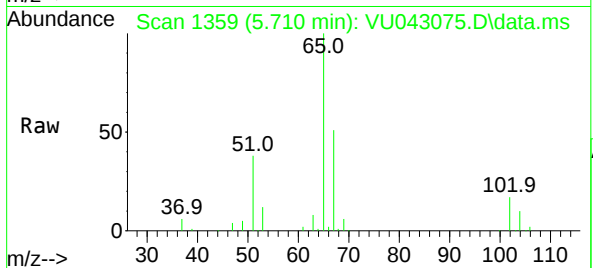
Acq: 14 Apr 2021 01:01

Tgt Ion: 65 Resp: 109313

Ion Ratio Lower Upper

65 100

67 50.1 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043075.D

Acq: 14 Apr 2021 01:01

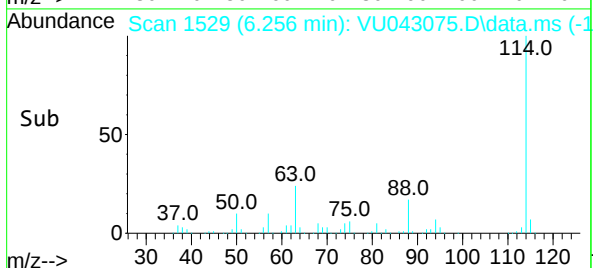
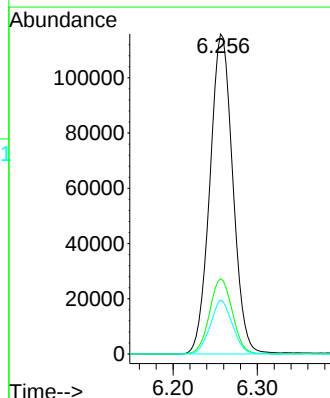
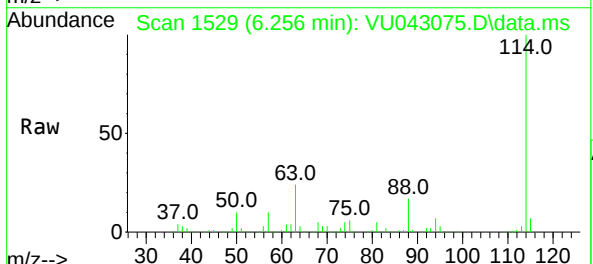
Tgt Ion: 114 Resp: 218644

Ion Ratio Lower Upper

114 100

63 23.5 0.0 44.2

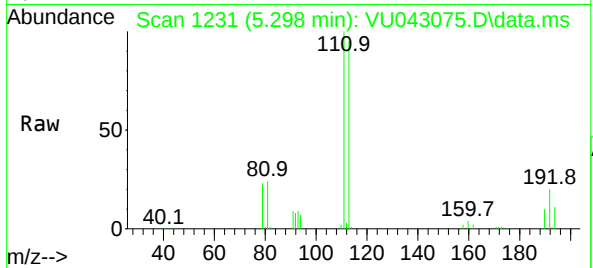
88 16.8 0.0 33.4



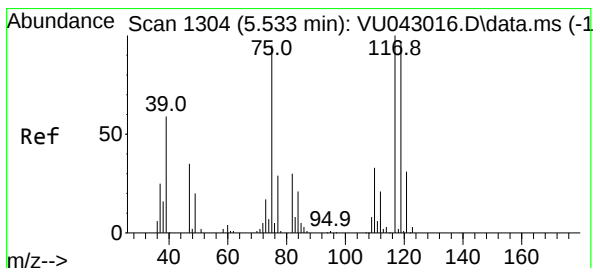
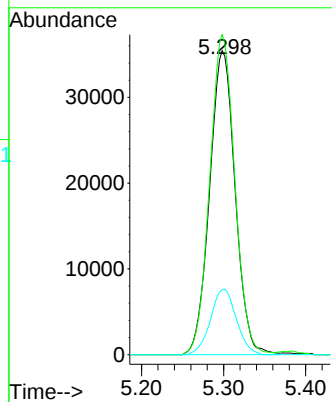
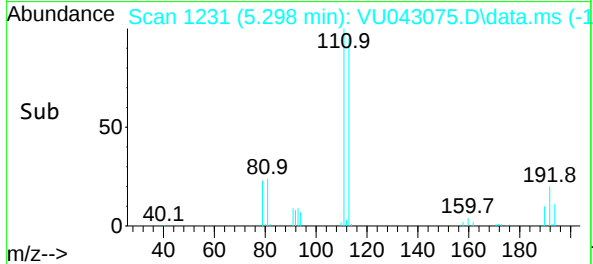


#35
Dibromofluoromethane
Concen: 46.61 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

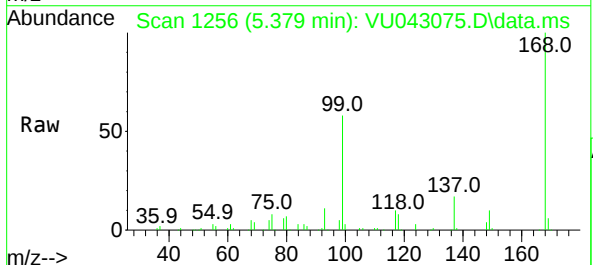
Instrument :
MSVOA_U
ClientSampleId :



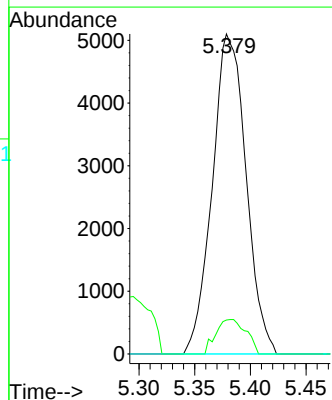
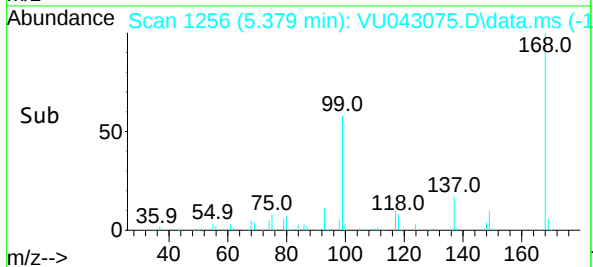
Tgt Ion:113 Resp: 76581
Ion Ratio Lower Upper
113 100
111 103.6 81.8 122.8
192 21.9 17.2 25.8

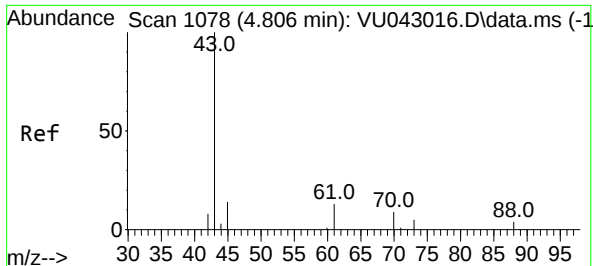


#36
1,1-Dichloropropene
Concen: 4.64 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.154 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01



Tgt Ion: 75 Resp: 10753
Ion Ratio Lower Upper
75 100
110 9.6 16.8 50.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.46 ug/l

RT: 4.726 min Scan# 1053

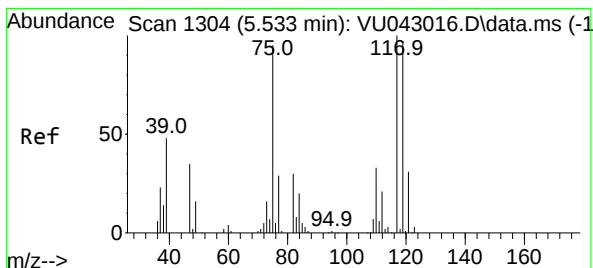
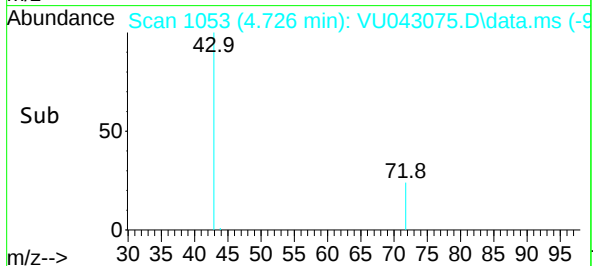
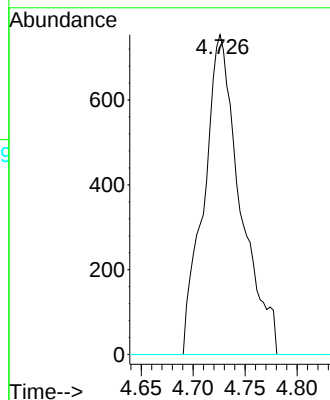
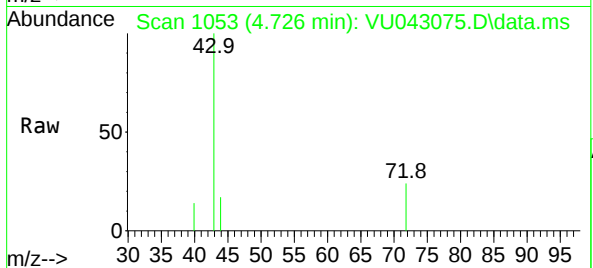
Delta R.T. -0.080 min

Lab File: VU043075.D

Acq: 14 Apr 2021 01:01

Tgt Ion: 43	Resp: 1834
Ion Ratio	Lower Upper
43 100	
61 0.0	10.1 15.1#
70 0.0	7.2 10.8#

Instrument :
MSVOA_U
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.55 ug/l

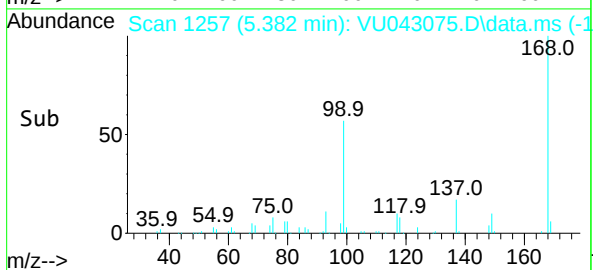
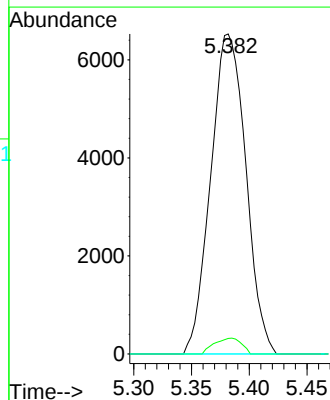
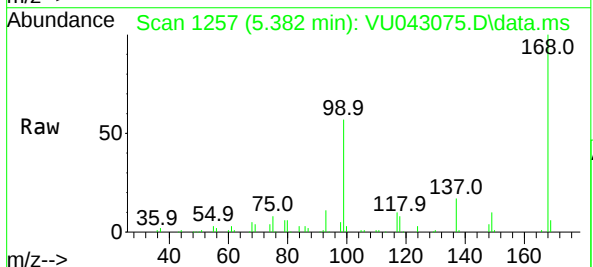
RT: 5.382 min Scan# 1257

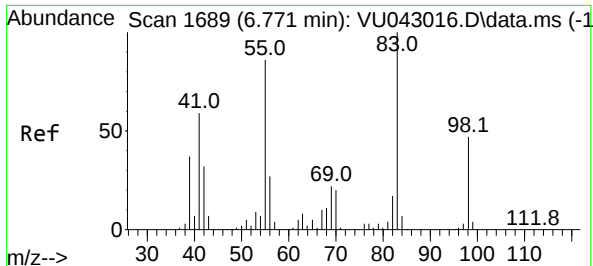
Delta R.T. -0.151 min

Lab File: VU043075.D

Acq: 14 Apr 2021 01:01

Tgt Ion: 117	Resp: 13810
Ion Ratio	Lower Upper
117 100	
119 4.9	75.5 113.3#
121 0.0	24.7 37.1#





#39

Methylcyclohexane

Concen: 0.55 ug/l

RT: 6.748 min Scan# 1682

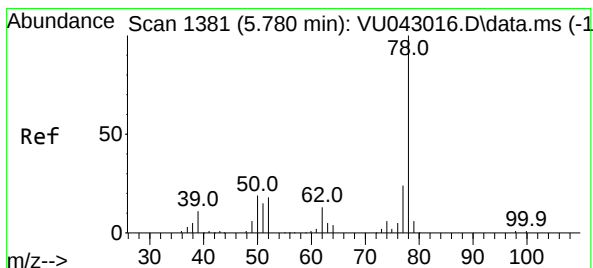
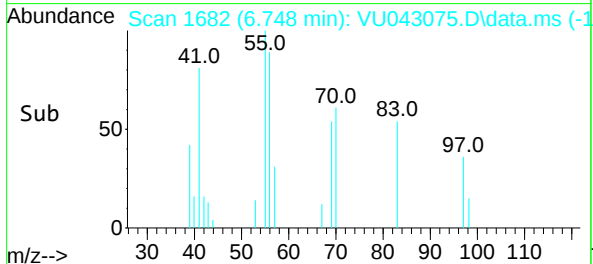
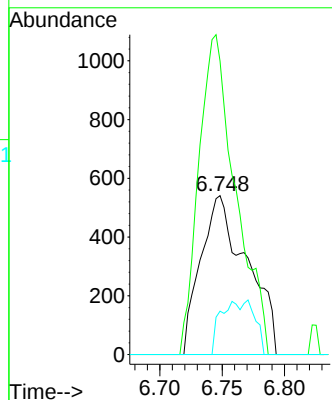
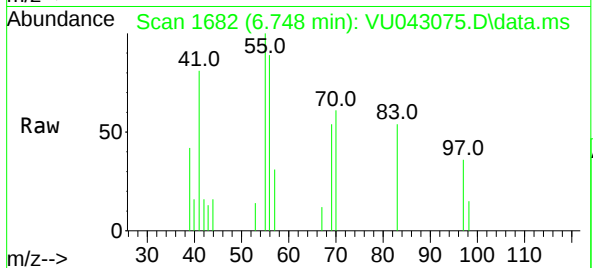
Delta R.T. -0.023 min

Lab File: VU043075.D

Acq: 14 Apr 2021 01:01

Tgt Ion:	83	Resp:	1394
Ion	Ratio	Lower	Upper
83	100		
55	184.7	66.8	100.2#
98	27.4	36.9	55.3#

Instrument :
MSVOA_U
ClientSampleId :



#40

Benzene

Concen: 0.63 ug/l

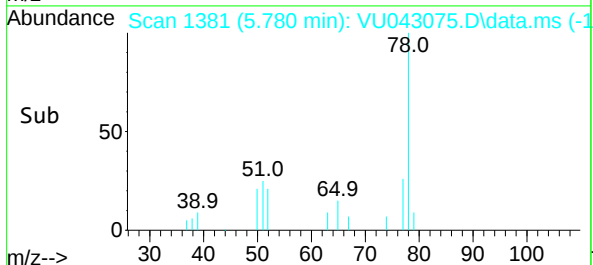
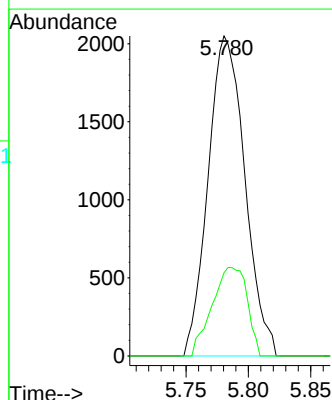
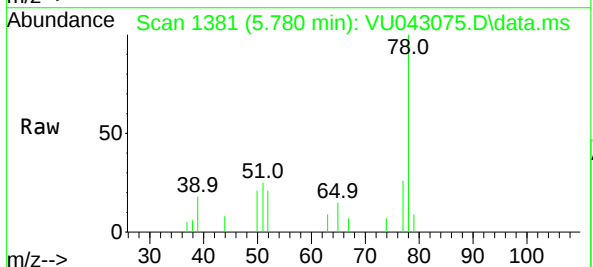
RT: 5.780 min Scan# 1381

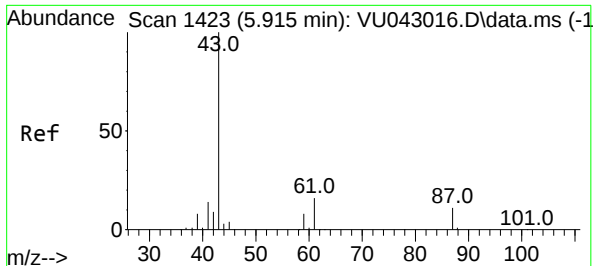
Delta R.T. 0.000 min

Lab File: VU043075.D

Acq: 14 Apr 2021 01:01

Tgt Ion:	78	Resp:	4204
Ion	Ratio	Lower	Upper
78	100		
77	26.0	19.3	28.9



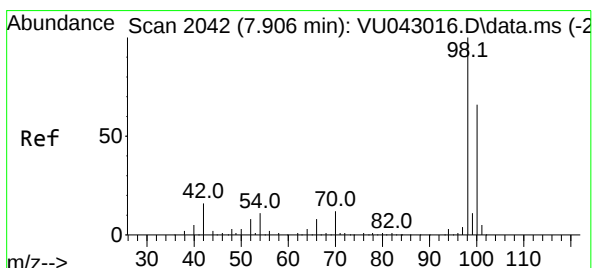
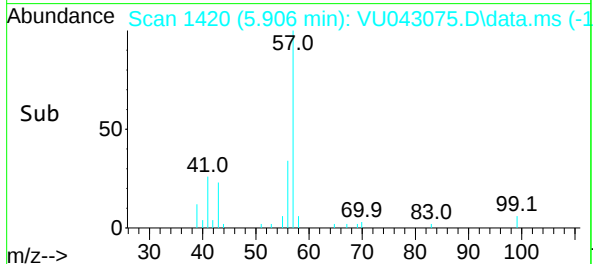
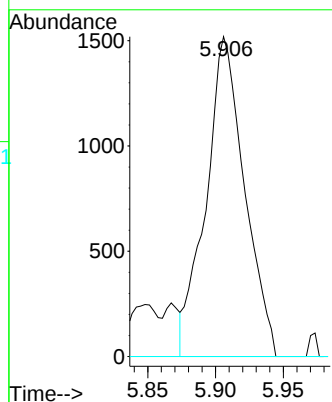
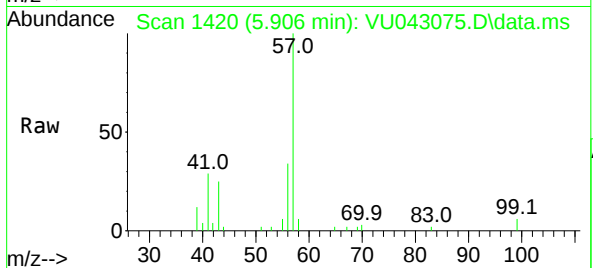


#43

Isopropyl Acetate
Concen: 0.53 ug/l
RT: 5.906 min Scan# 1420
Delta R.T. -0.009 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

Instrument :
MSVOA_U
ClientSampleId :

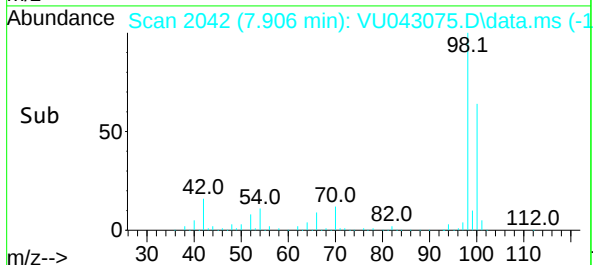
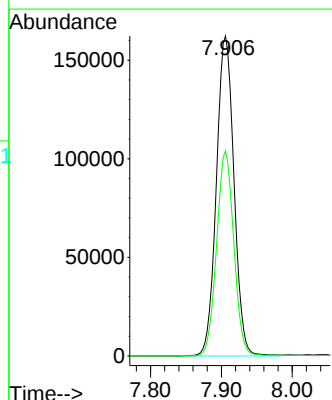
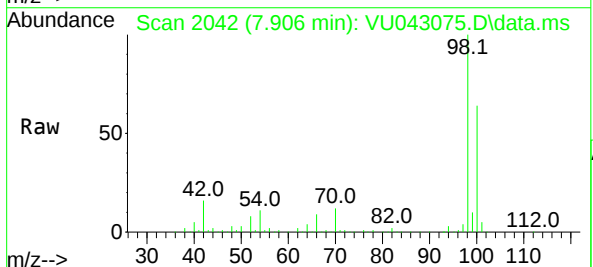
Tgt Ion: 43 Resp: 3003
Ion Ratio Lower Upper
43 100
61 0.0 14.4 21.6#
87 0.0 8.8 13.2#

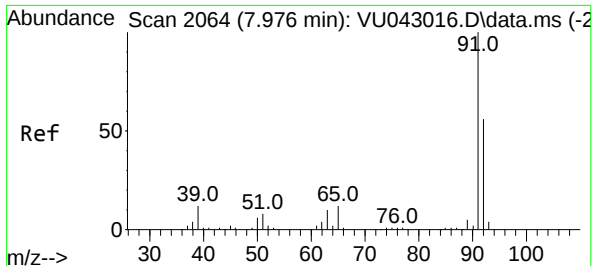


#50

Toluene-d8
Concen: 48.23 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

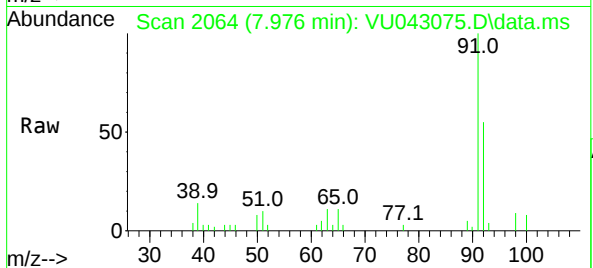
Tgt Ion: 98 Resp: 280381
Ion Ratio Lower Upper
98 100
100 62.5 50.2 75.2



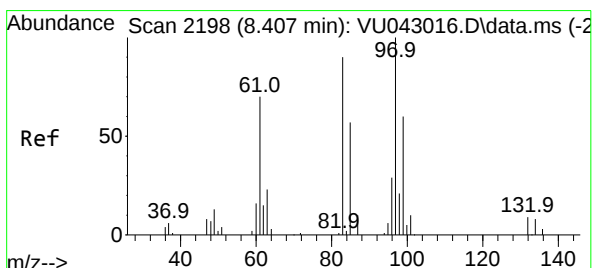
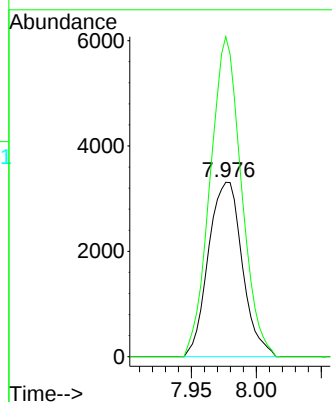
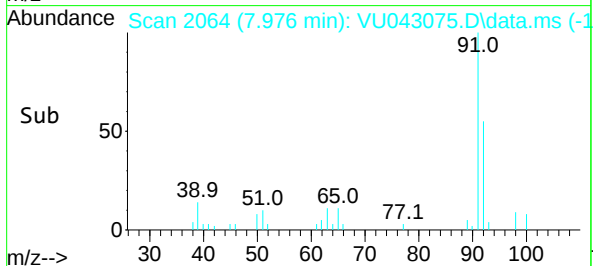


#52
Toluene
Concen: 1.46 ug/l
RT: 7.976 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

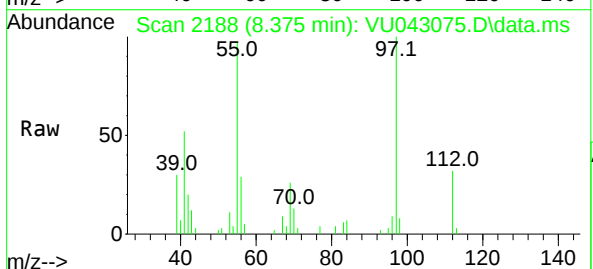
Instrument :
MSVOA_U
ClientSampled :



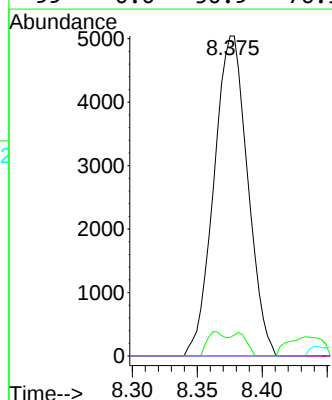
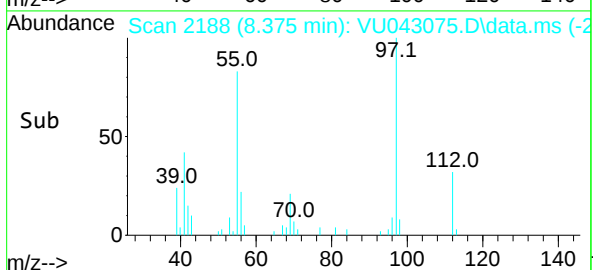
Tgt Ion: 92 Resp: 6002
Ion Ratio Lower Upper
92 100
91 169.1 140.3 210.5

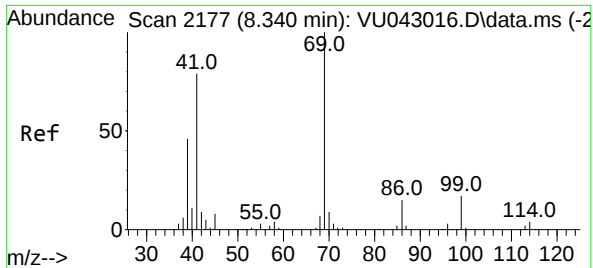


#55
1,1,2-Trichloroethane
Concen: 5.16 ug/l
RT: 8.375 min Scan# 2188
Delta R.T. -0.032 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01



Tgt Ion: 97 Resp: 9091
Ion Ratio Lower Upper
97 100
83 5.8 72.6 109.0#
85 0.0 46.6 69.8#
99 0.0 50.9 76.3#

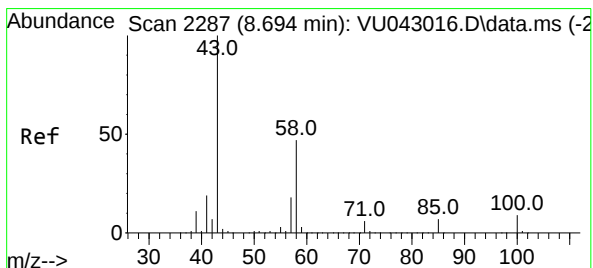
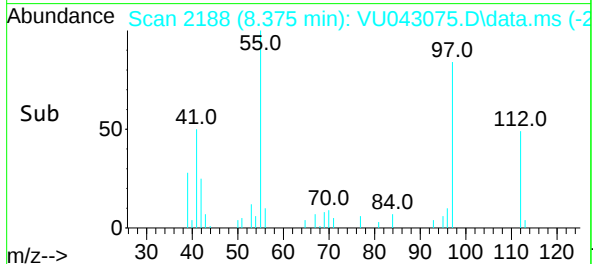
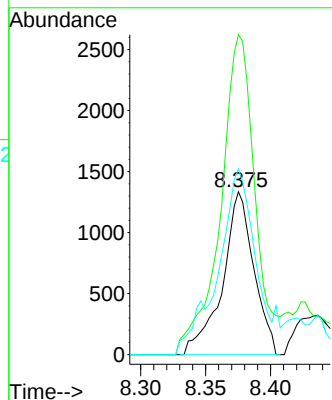
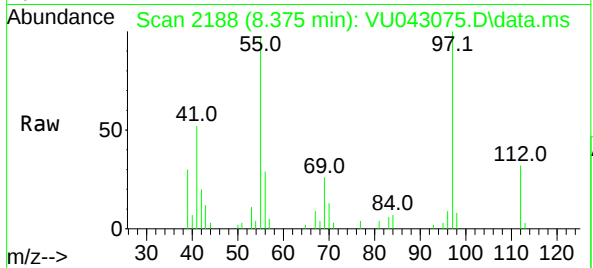




#56
Ethyl methacrylate
Concen: 0.78 ug/l
RT: 8.375 min Scan# 2188
Delta R.T. 0.035 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

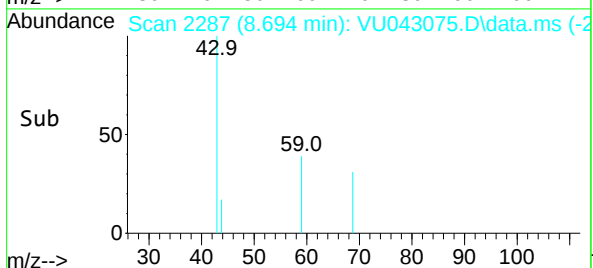
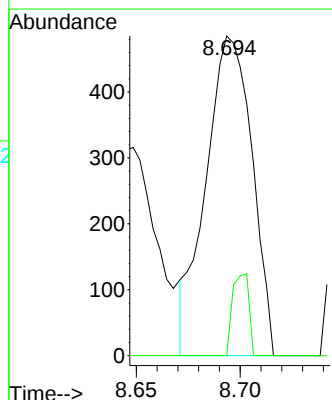
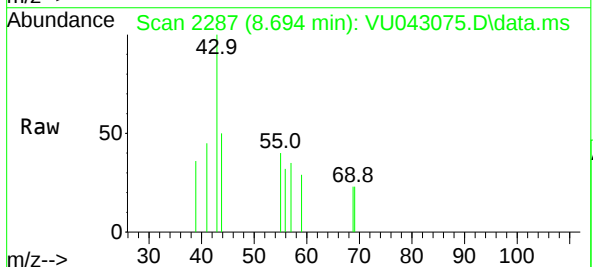
Instrument :
MSVOA_U
ClientSampleId :

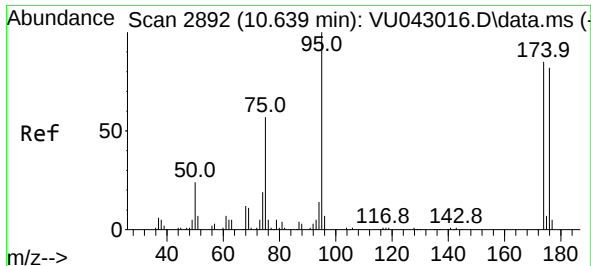
Tgt Ion:	69	Resp:	2241
Ion	Ratio	Lower	Upper
69	100		
41	215.4	62.8	94.2#
39	98.4	36.2	54.2#



#59
2-Hexanone
Concen: 0.22 ug/l
RT: 8.694 min Scan# 2287
Delta R.T. -0.001 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

Tgt Ion:	43	Resp:	750
Ion	Ratio	Lower	Upper
43	100		
58	9.1	24.0	72.0#

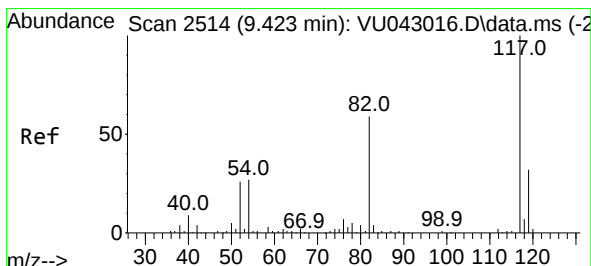
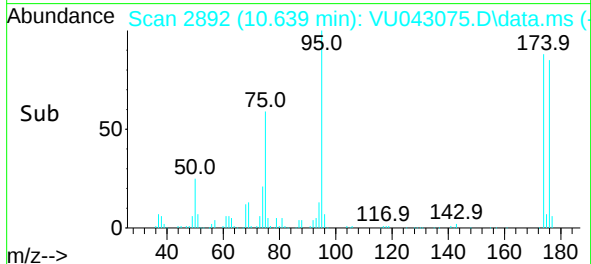
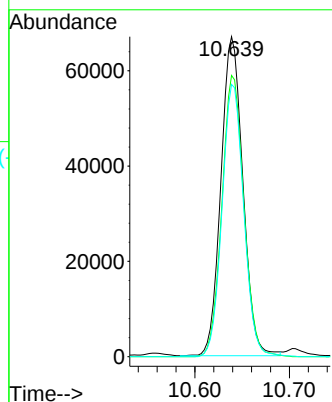
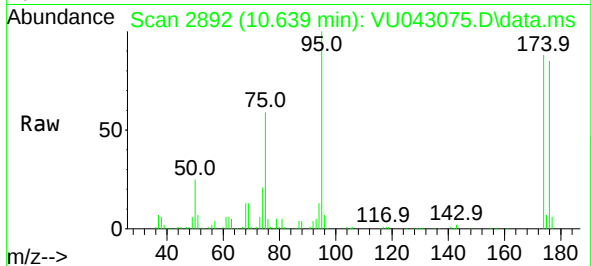




#62
4-Bromofluorobenzene
Concen: 46.38 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

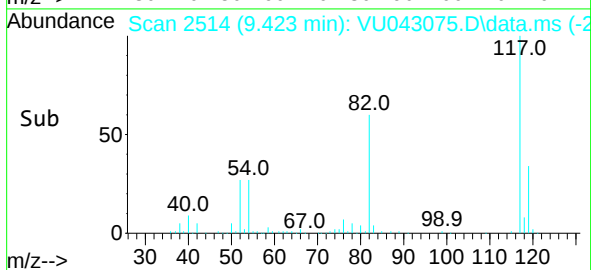
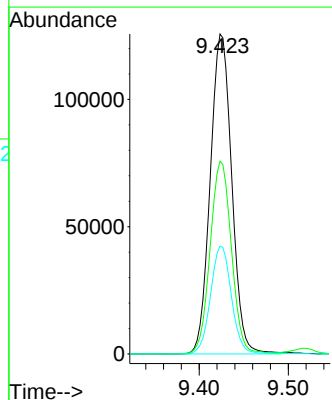
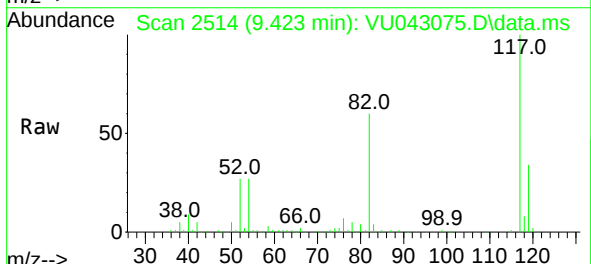
Instrument :
MSVOA_U
ClientSampleId :

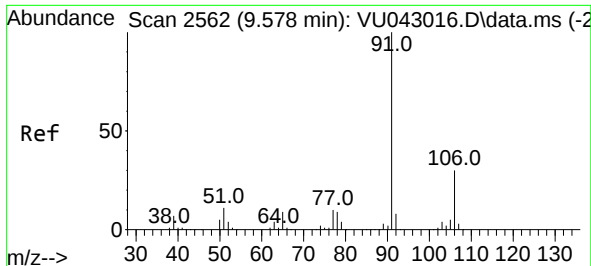
Tgt Ion: 95 Resp: 107971
Ion Ratio Lower Upper
95 100
174 88.1 0.0 172.2
176 84.3 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

Tgt Ion: 117 Resp: 210606
Ion Ratio Lower Upper
117 100
82 60.2 45.8 68.6
119 33.7 25.8 38.8





#67

Ethyl Benzene

Concen: 0.24 ug/l

RT: 9.581 min Scan# 2563

Delta R.T. 0.003 min

Lab File: VU043075.D

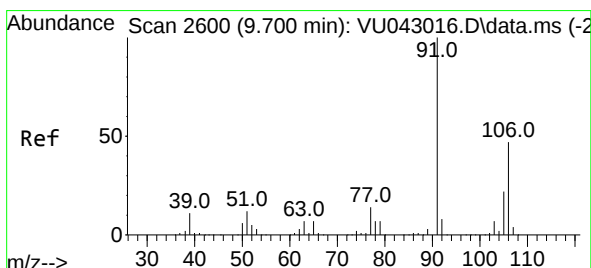
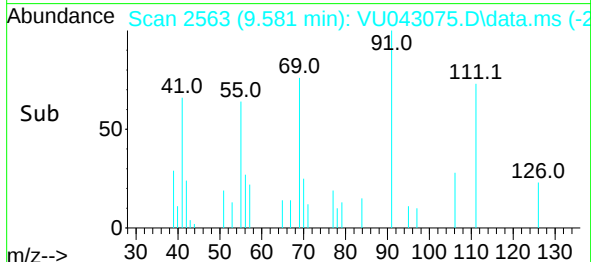
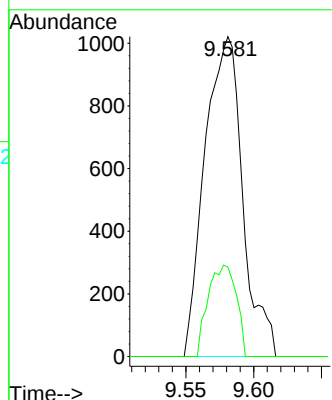
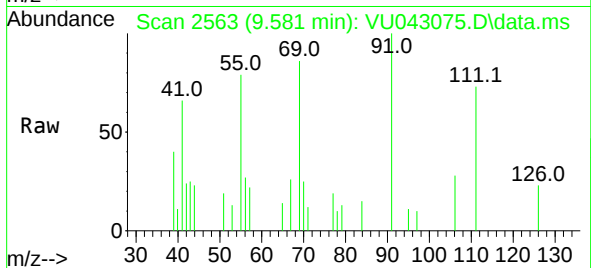
Acq: 14 Apr 2021 01:01

Tgt Ion: 91 Resp: 1979

Ion Ratio Lower Upper

91 100

106 28.0 24.1 36.1



#68

m/p-Xylenes

Concen: 1.21 ug/l

RT: 9.700 min Scan# 2600

Delta R.T. -0.000 min

Lab File: VU043075.D

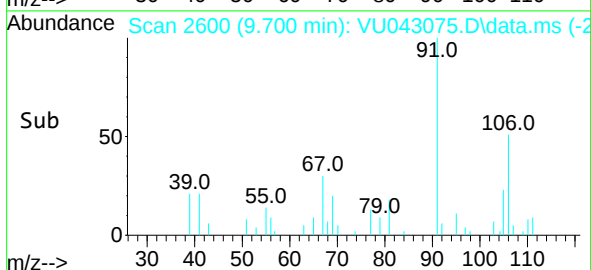
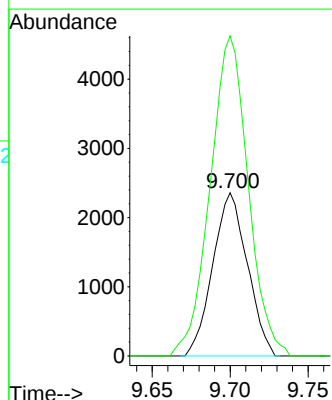
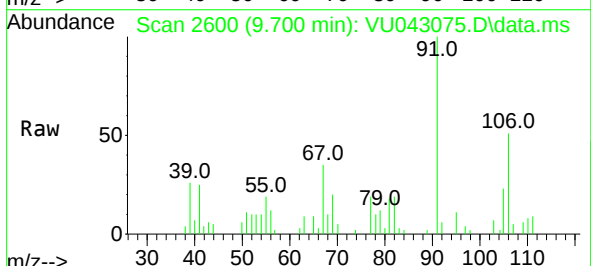
Acq: 14 Apr 2021 01:01

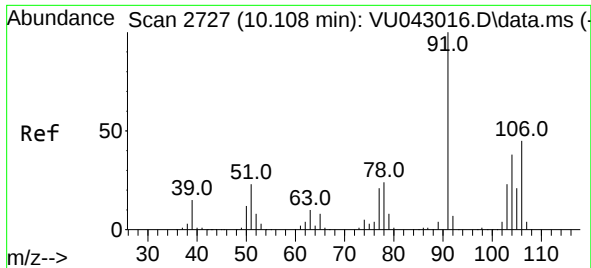
Tgt Ion:106 Resp: 3636

Ion Ratio Lower Upper

106 100

91 215.4 169.9 254.9

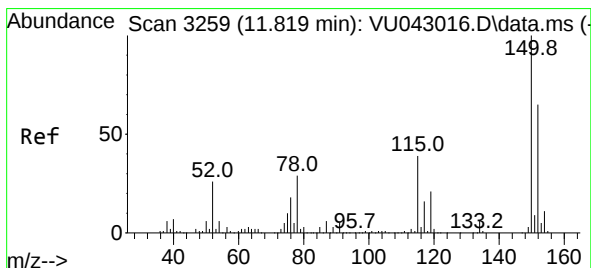
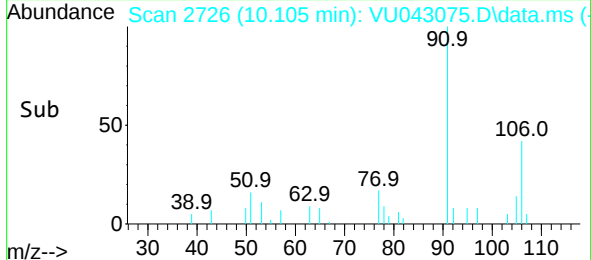
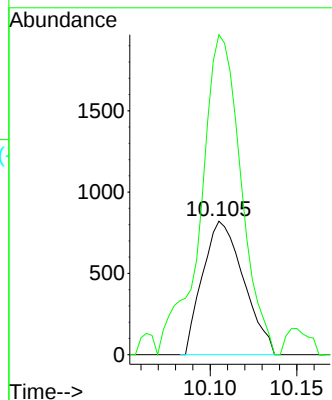
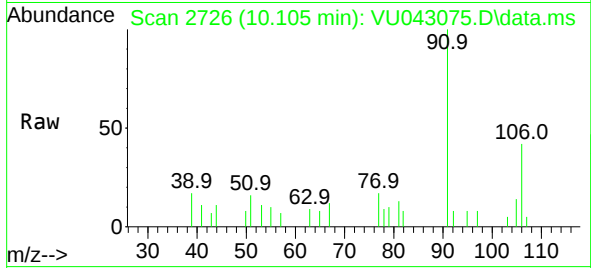




#69
o-Xylene
Concen: 0.46 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

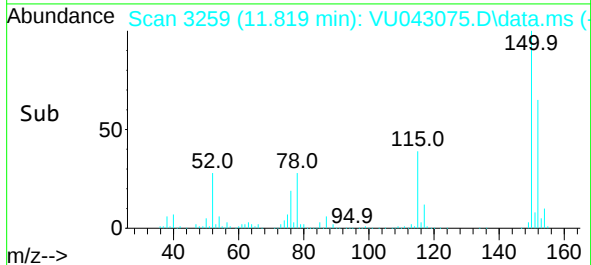
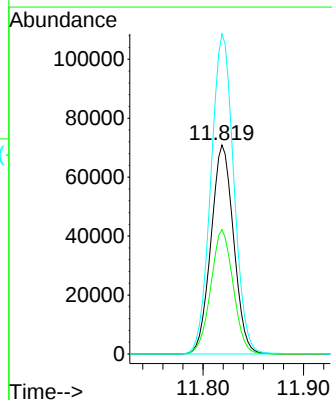
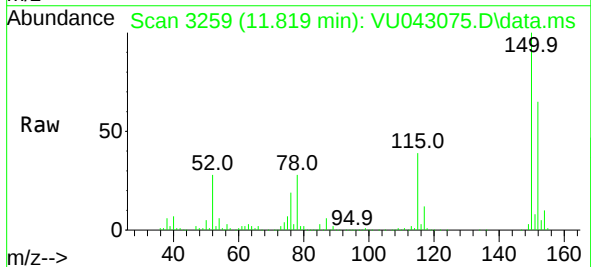
Instrument :
MSVOA_U
ClientSampleId :

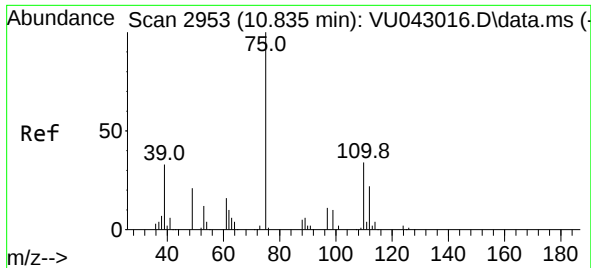
Tgt Ion:106 Resp: 1353
Ion Ratio Lower Upper
106 100
91 236.0 111.2 333.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

Tgt Ion:152 Resp: 110793
Ion Ratio Lower Upper
152 100
115 59.0 41.5 124.6
150 155.2 0.0 342.4

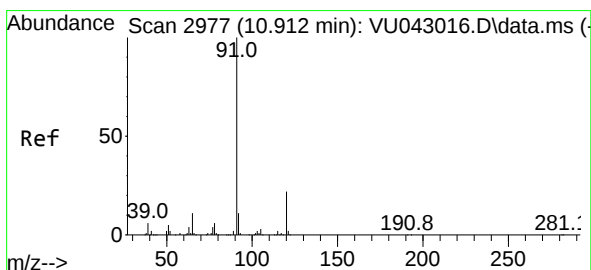
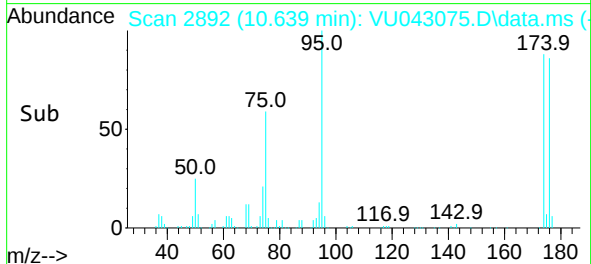
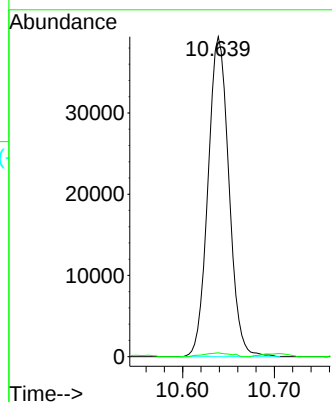
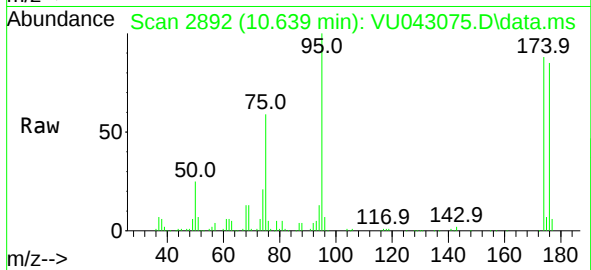




#76
1,2,3-Trichloropropane
Concen: 19.28 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

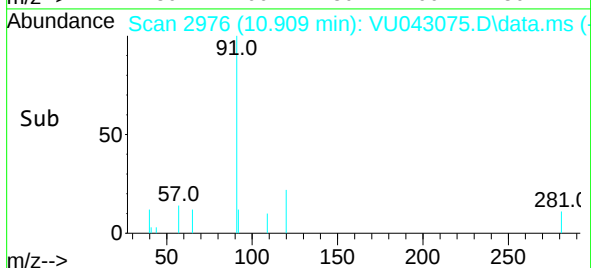
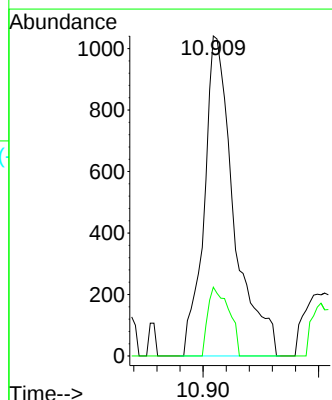
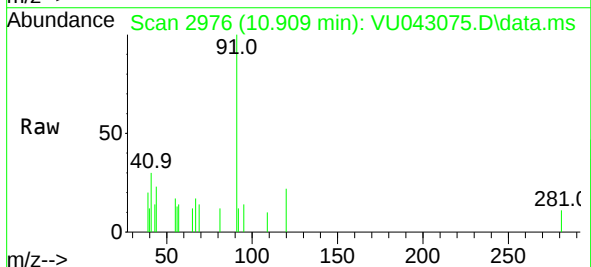
Instrument :
MSVOA_U
ClientSampled :

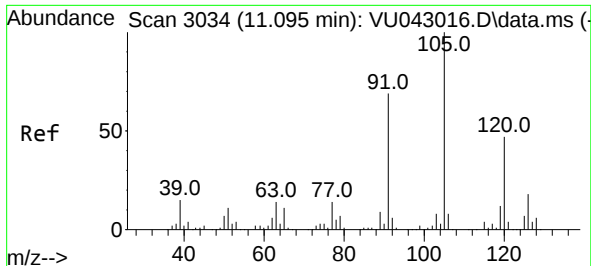
Tgt Ion: 75 Resp: 62422
Ion Ratio Lower Upper
75 100
77 1.5 20.2 60.5#



#78
n-propylbenzene
Concen: 0.21 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.003 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

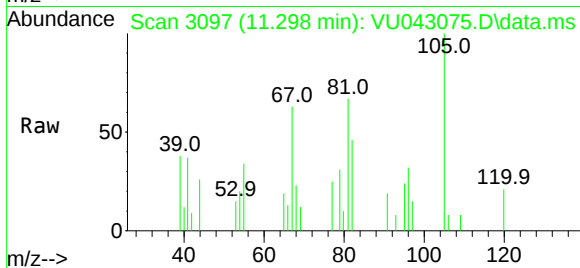
Tgt Ion: 91 Resp: 1867
Ion Ratio Lower Upper
91 100
120 15.2 11.2 33.6



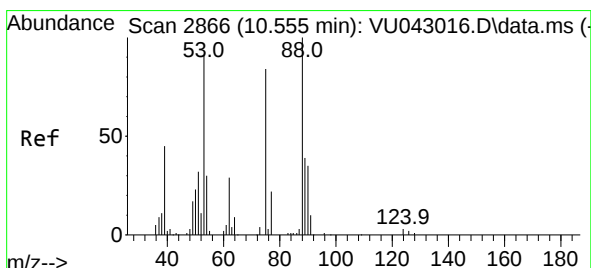
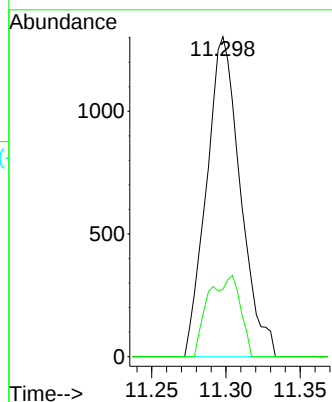
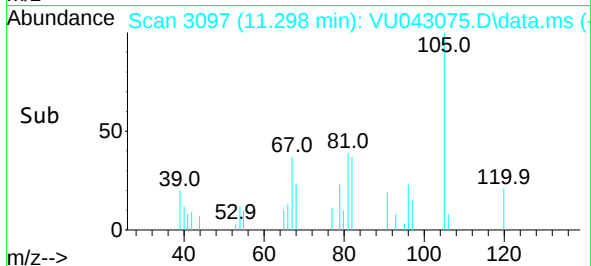


#80
1,3,5-Trimethylbenzene
Concen: 0.31 ug/l
RT: 11.298 min Scan# 3097
Delta R.T. 0.203 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

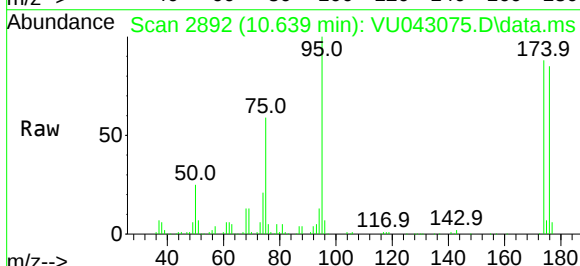
Instrument :
MSVOA_U
ClientSampleId :



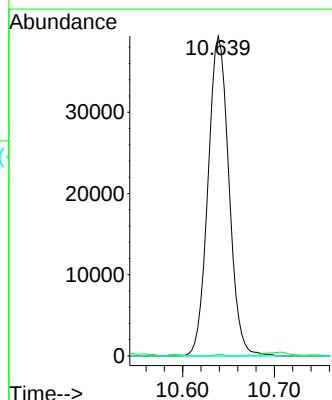
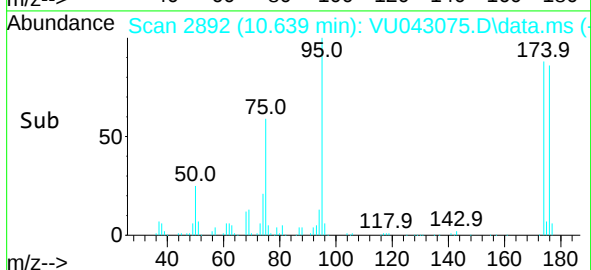
Tgt Ion:105 Resp: 2064
Ion Ratio Lower Upper
105 100
120 24.0 23.8 71.4

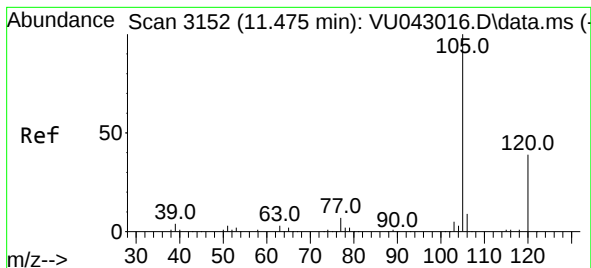


#81
trans-1,4-Dichloro-2-butene
Concen: 56.65 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01



Tgt Ion: 75 Resp: 62422
Ion Ratio Lower Upper
75 100
53 0.2 85.6 128.4#
89 0.0 35.7 53.5#

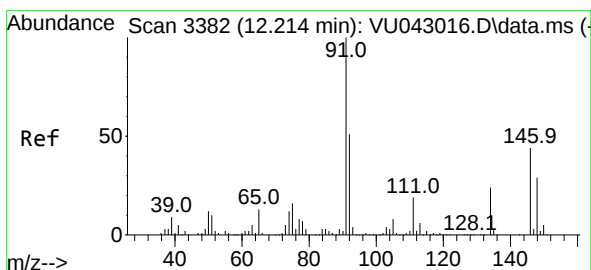
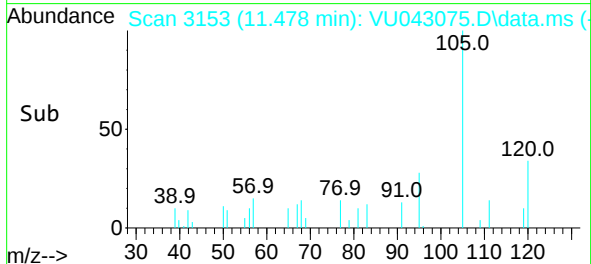
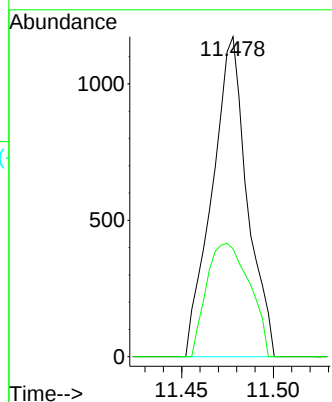
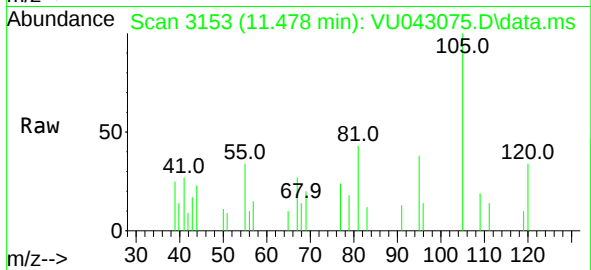




#84
1,2,4-Trimethylbenzene
Concen: 0.23 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

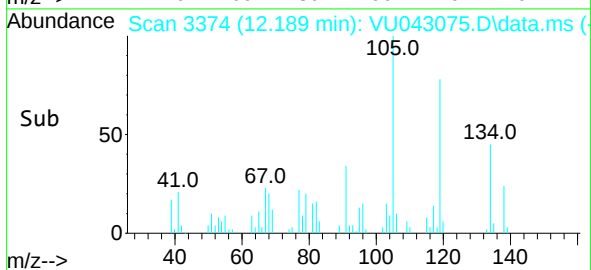
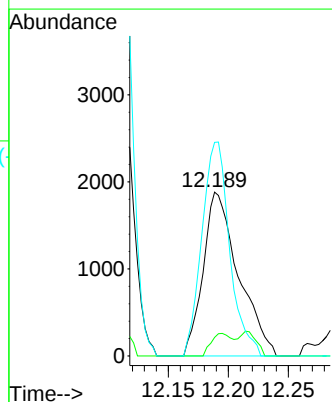
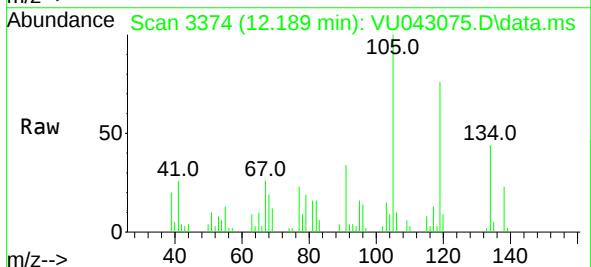
Instrument :
MSVOA_U
ClientSampled :

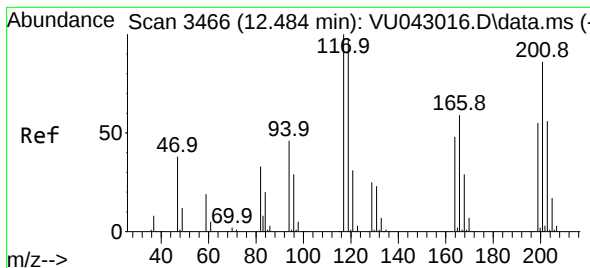
Tgt Ion:105 Resp: 1558
Ion Ratio Lower Upper
105 100
120 43.3 22.3 66.8



#89
n-Butylbenzene
Concen: 0.59 ug/l
RT: 12.189 min Scan# 3374
Delta R.T. -0.025 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

Tgt Ion: 91 Resp: 3863
Ion Ratio Lower Upper
91 100
92 8.1 26.2 78.6#
134 102.6 12.7 38.1#

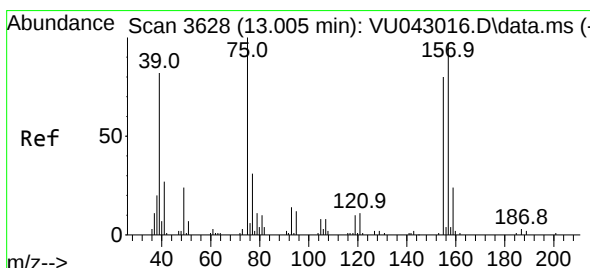
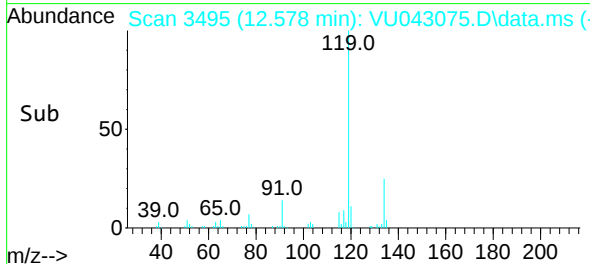
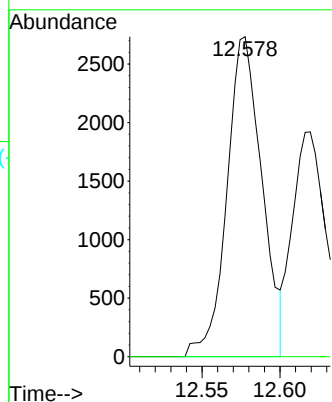
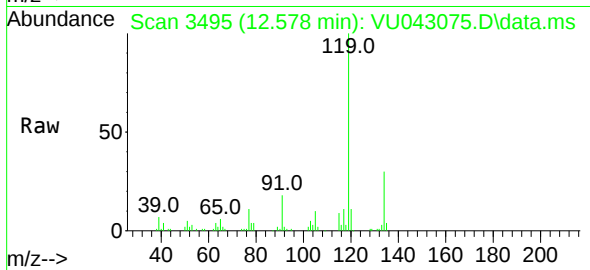




#90
Hexachloroethane
Concen: 3.27 ug/l
RT: 12.578 min Scan# 3495
Delta R.T. 0.094 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

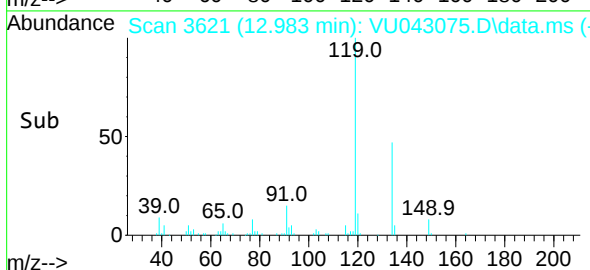
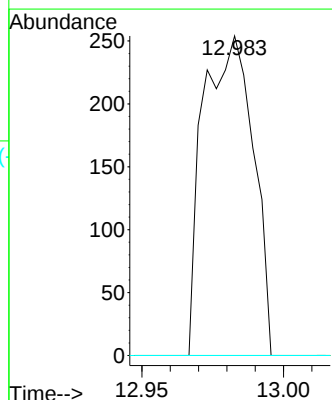
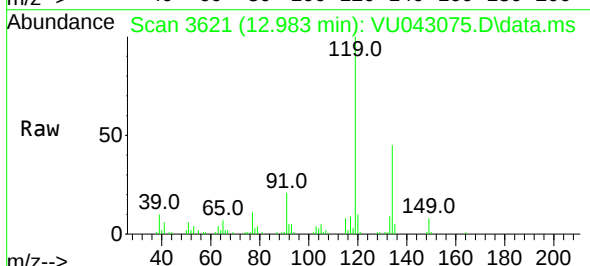
Instrument :
MSVOA_U
ClientSampled :

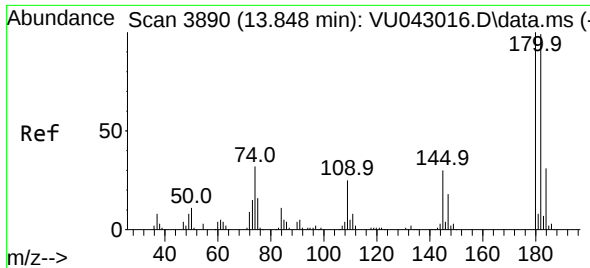
Tgt Ion:117 Resp: 4265
Ion Ratio Lower Upper
117 100
201 0.0 43.5 130.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.34 ug/l
RT: 12.983 min Scan# 3621
Delta R.T. -0.022 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

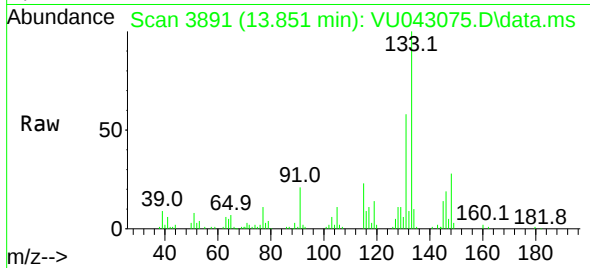
Tgt Ion: 75 Resp: 312
Ion Ratio Lower Upper
75 100
155 0.0 41.7 125.1#
157 0.0 53.9 161.7#



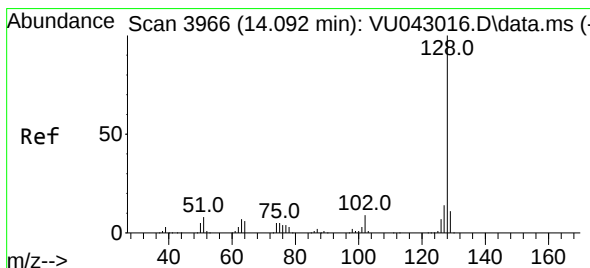
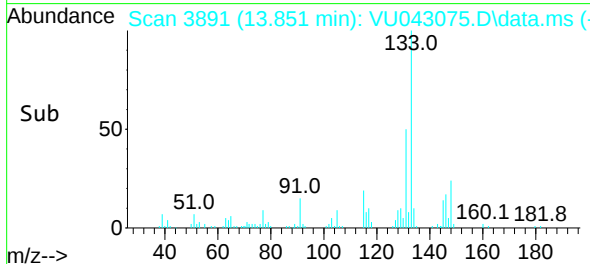
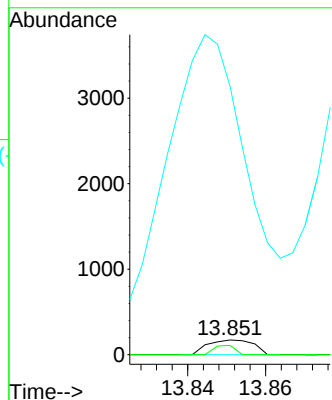


#93
1,2,4-Trichlorobenzene
Concen: 1.56 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.003 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

Instrument :
MSVOA_U
ClientSampled :



Tgt Ion:180 Resp: 140
Ion Ratio Lower Upper
180 100
182 28.6 46.9 140.8#
145 3762.9 14.4 43.4#



#95
Naphthalene
Concen: 3.10 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. -0.000 min
Lab File: VU043075.D
Acq: 14 Apr 2021 01:01

Tgt Ion:128 Resp: 3023
Ion Ratio Lower Upper
128 100
127 11.2 10.8 16.2
129 11.3 8.6 13.0

