

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041921\
 Data File : VU043189.D
 Acq On : 19 Apr 2021 13:22
 Operator : SY/MD
 Sample : M2026-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 20 02:54:27 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)

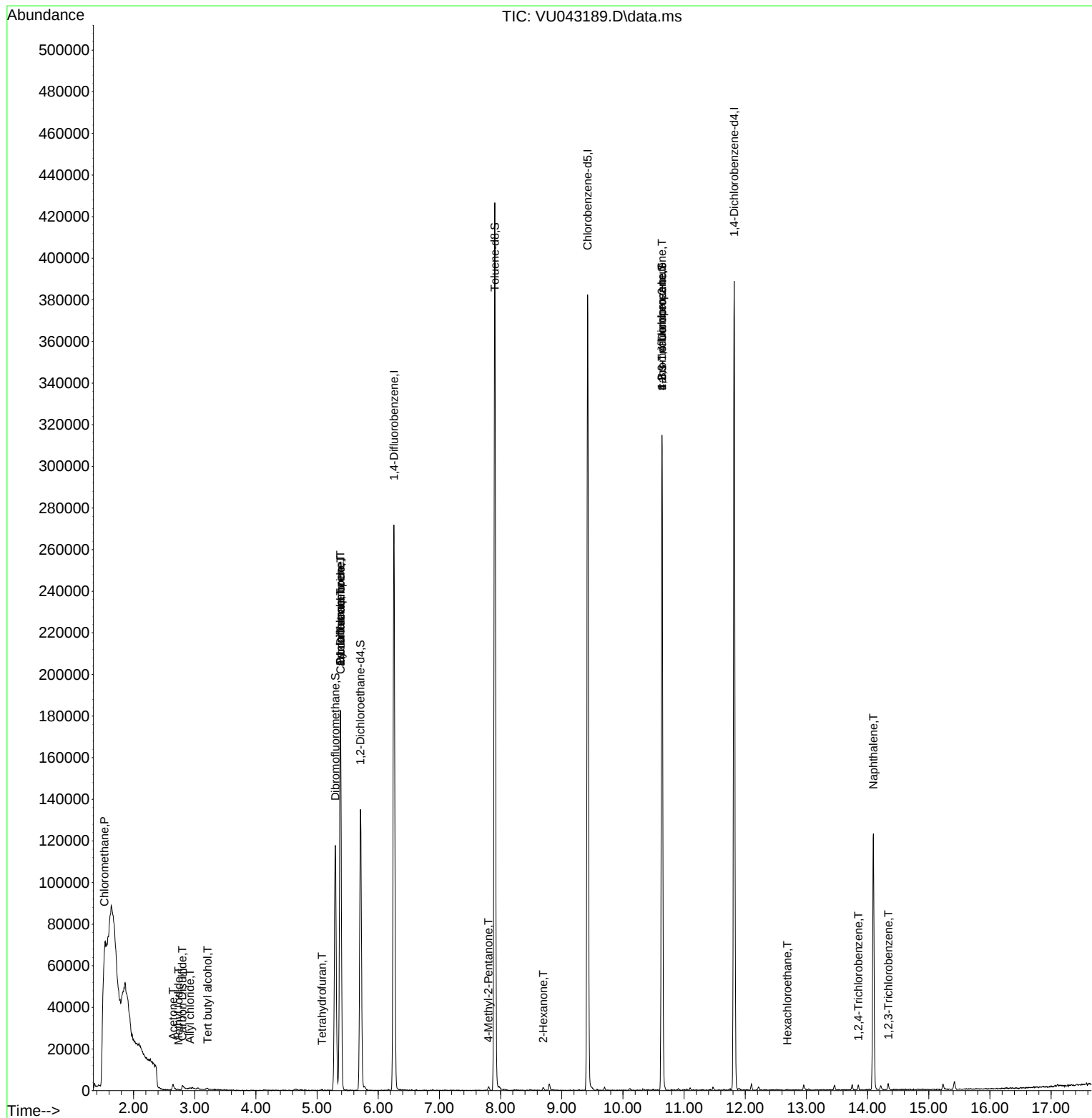
Internal Standards						
1) Pentafluorobenzene	5.382	168	123550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	203843	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	191634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	93353	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	105071	50.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.18%	
35) Dibromofluoromethane	5.298	113	73928	48.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.52%	
50) Toluene-d8	7.906	98	259220	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.66%	
62) 4-Bromofluorobenzene	10.639	95	92472	42.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.22%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	3937	1.74	ug/l #	56
10) Methyl Iodide	2.735	142	522	0.33	ug/l #	73
11) Tert butyl alcohol	3.211	59	175	0.33	ug/l #	94
14) Allyl chloride	2.922	41	628	0.22	ug/l #	40
16) Acetone	2.645	43	3983	2.96	ug/l	98
17) Carbon Disulfide	2.797	76	1719	0.48	ug/l #	74
29) Tetrahydrofuran	5.083	42	400	0.34	ug/l #	37
31) Cyclohexane	5.382	56	3265	1.27	ug/l #	39
36) 1,1-Dichloropropene	5.382	75	10826	5.01	ug/l #	49
38) Carbon Tetrachloride	5.385	117	12450	5.37	ug/l #	15
51) 4-Methyl-2-Pentanone	7.803	43	1374	0.35	ug/l	91
59) 2-Hexanone	8.697	43	1128	0.35	ug/l	95
76) 1,2,3-Trichloropropane	10.639	75	53950	19.78	ug/l #	37
81) trans-1,4-Dichloro-2-b...	10.639	75	53950	58.11	ug/l #	7
90) Hexachloroethane	12.690	117	337	0.31	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.848	180	853	1.89	ug/l	79
94) Hexachlorobutadiene	14.024	225	223	Below Cal	#	31
95) Naphthalene	14.095	128	92350	15.67	ug/l	99
96) 1,2,3-Trichlorobenzene	14.340	180	1220	2.03	ug/l	95

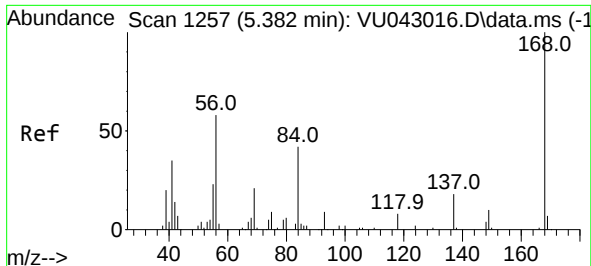
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 20 02:54:27 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

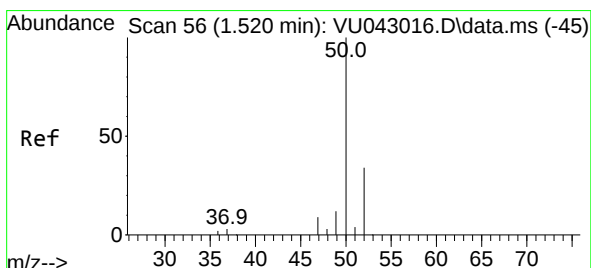
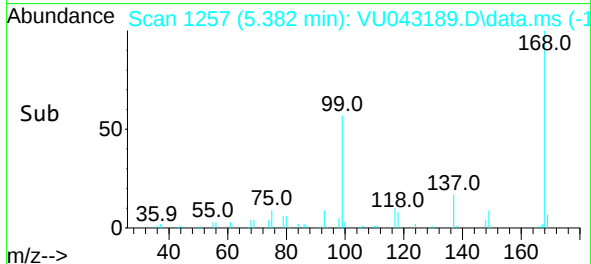
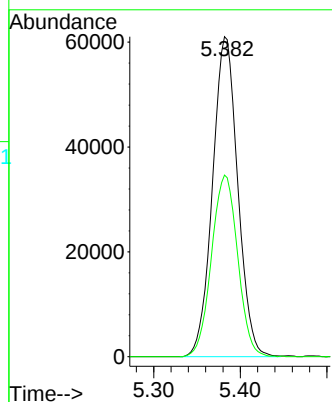
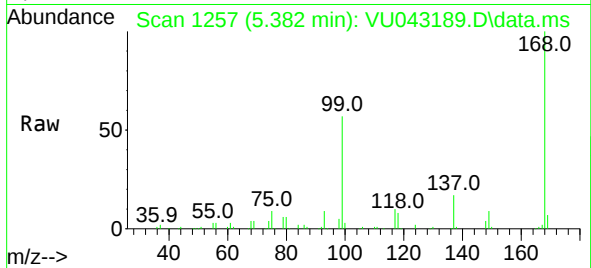




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

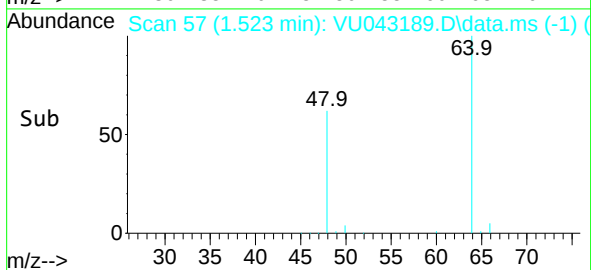
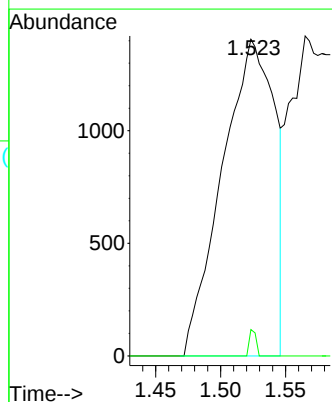
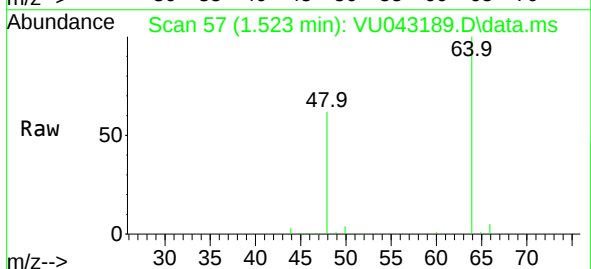
Instrument :
MSVOA_U
ClientSampled :

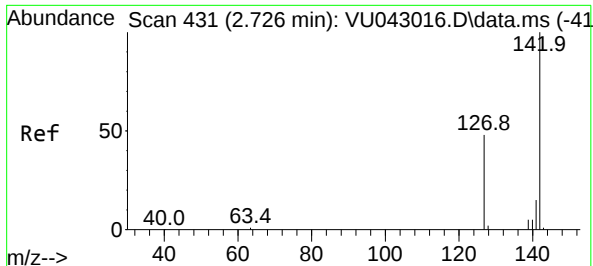
Tgt Ion:168 Resp: 123550
Ion Ratio Lower Upper
168 100
99 56.7 45.0 67.4



#3
Chloromethane
Concen: 1.74 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

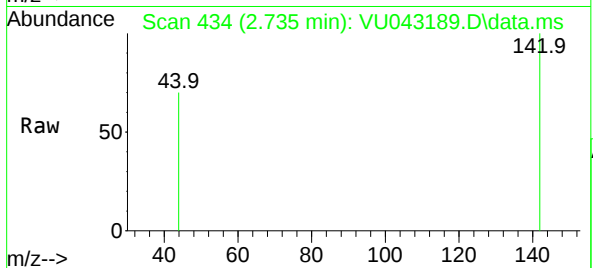
Tgt Ion: 50 Resp: 3937
Ion Ratio Lower Upper
50 100
52 8.3 26.6 40.0#



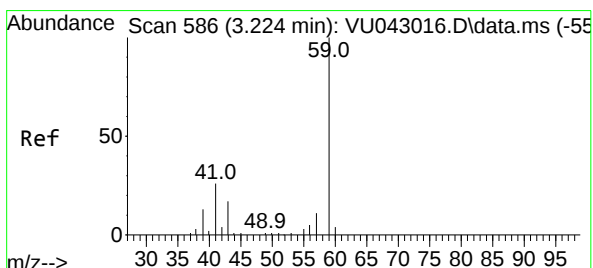
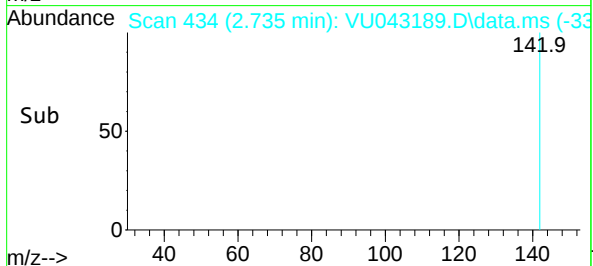
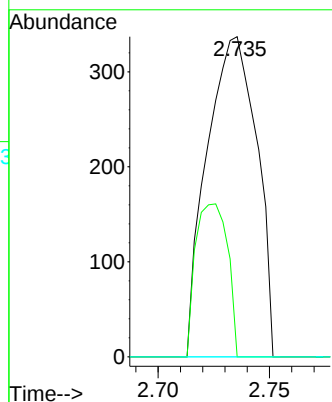


#10
Methyl Iodide
Concen: 0.33 ug/l
RT: 2.735 min Scan# 434
Delta R.T. 0.009 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

Instrument :
MSVOA_U
ClientSampleId :

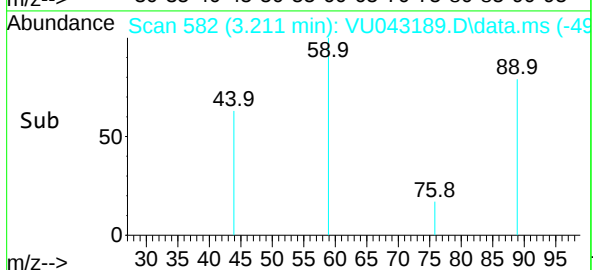
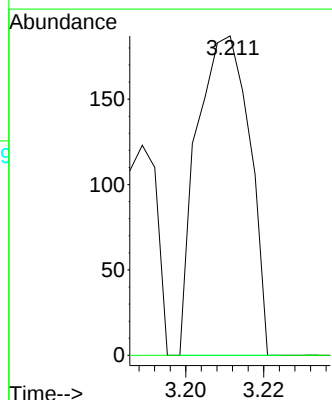
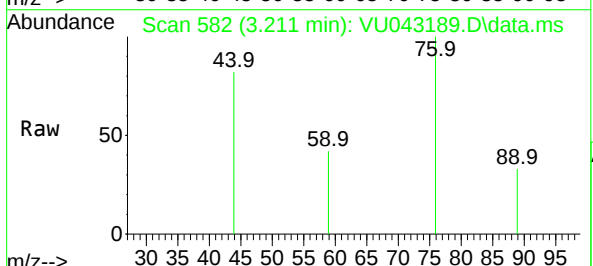


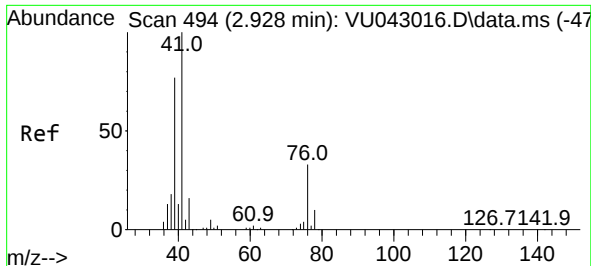
Tgt Ion:142 Resp: 522
Ion Ratio Lower Upper
142 100
127 30.7 37.8 56.6#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 0.33 ug/l
RT: 3.211 min Scan# 582
Delta R.T. -0.013 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

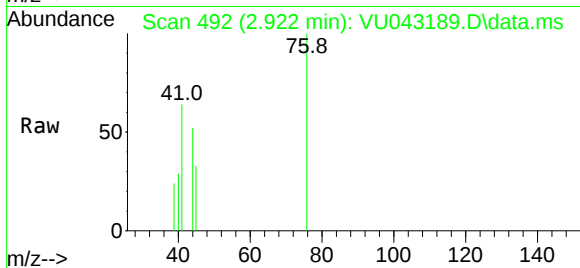
Tgt Ion: 59 Resp: 175
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#



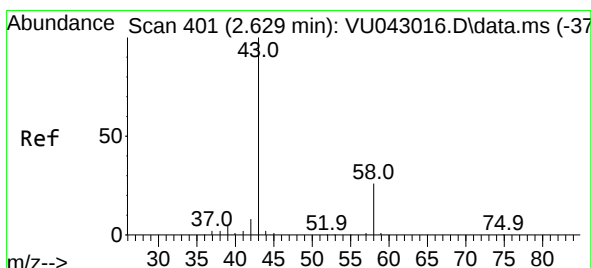
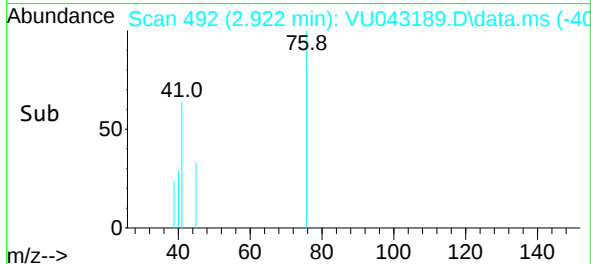
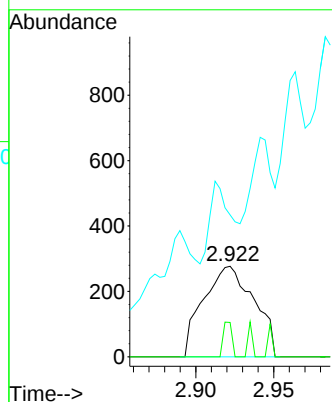


#14
 Allyl chloride
 Concen: 0.22 ug/l
 RT: 2.922 min Scan# 492
 Delta R.T. -0.006 min
 Lab File: VU043189.D
 Acq: 19 Apr 2021 13:22

Instrument :
 MSVOA_U
 ClientSampleId :

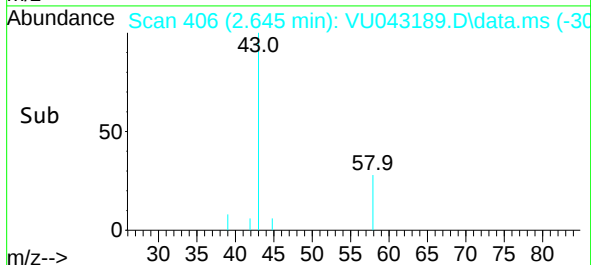
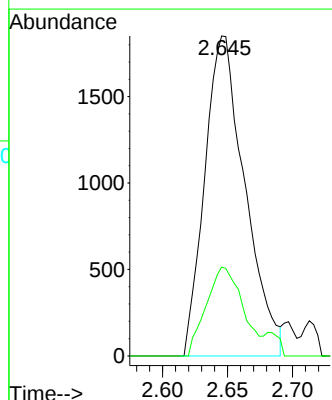
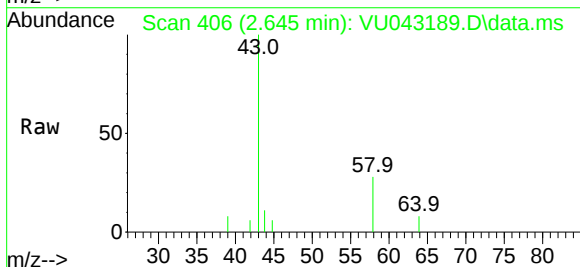


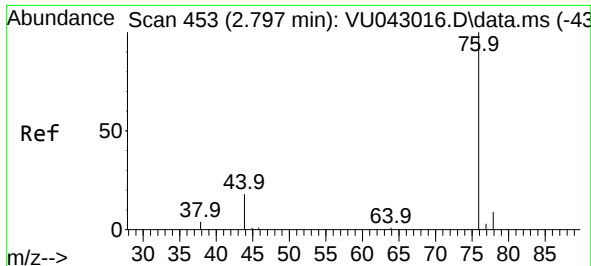
Tgt Ion: 41 Resp: 628
 Ion Ratio Lower Upper
 41 100
 39 6.5 54.9 82.3#
 76 38.1 22.5 33.7#



#16
 Acetone
 Concen: 2.96 ug/l
 RT: 2.645 min Scan# 406
 Delta R.T. 0.016 min
 Lab File: VU043189.D
 Acq: 19 Apr 2021 13:22

Tgt Ion: 43 Resp: 3983
 Ion Ratio Lower Upper
 43 100
 58 27.7 21.5 32.3

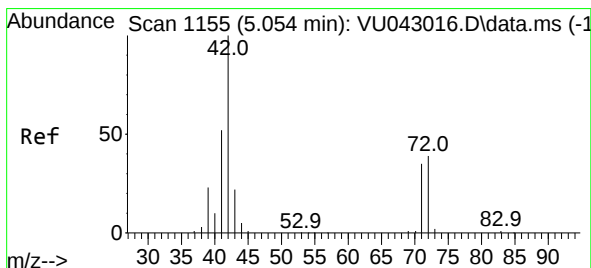
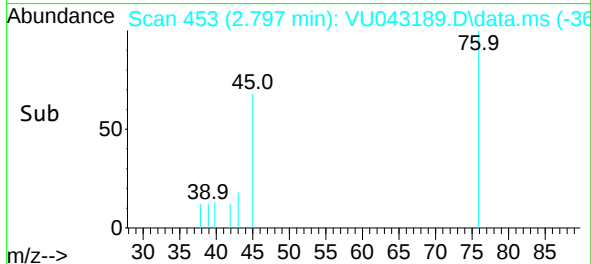
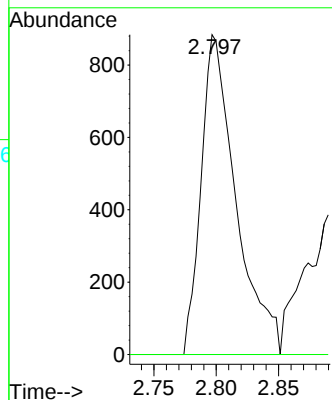
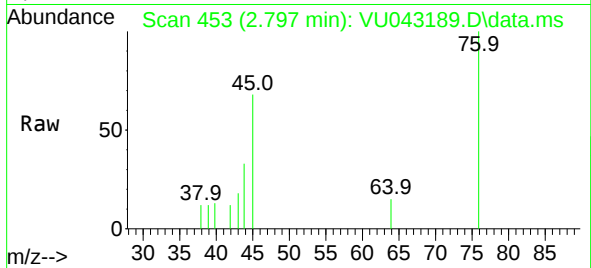




#17
Carbon Disulfide
Concen: 0.48 ug/l
RT: 2.797 min Scan# 453
Delta R.T. -0.000 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

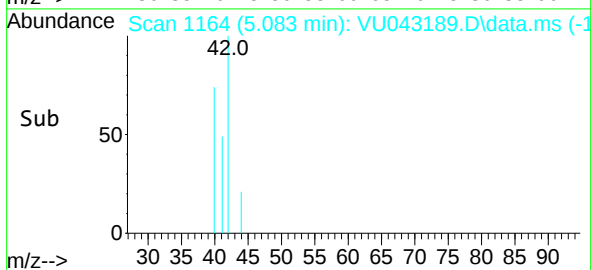
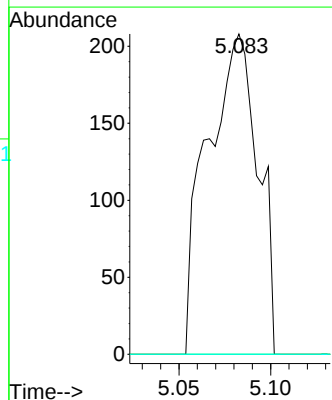
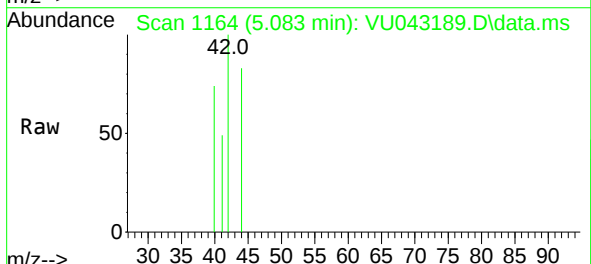
Instrument :
MSVOA_U
ClientSampleId :

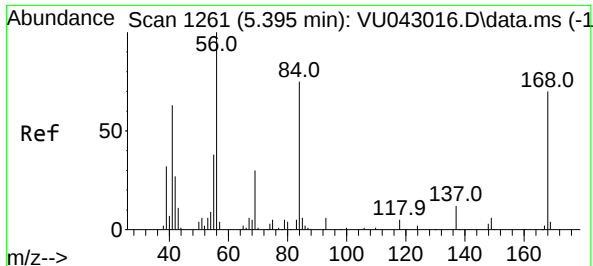
Tgt Ion: 76 Resp: 1719
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#29
Tetrahydrofuran
Concen: 0.34 ug/l
RT: 5.083 min Scan# 1164
Delta R.T. 0.029 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

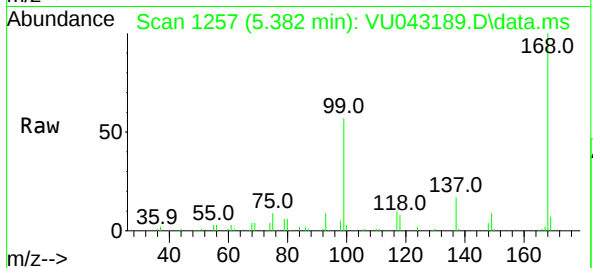
Tgt Ion: 42 Resp: 400
Ion Ratio Lower Upper
42 100
72 0.0 31.5 47.3#
71 0.0 29.5 44.3#



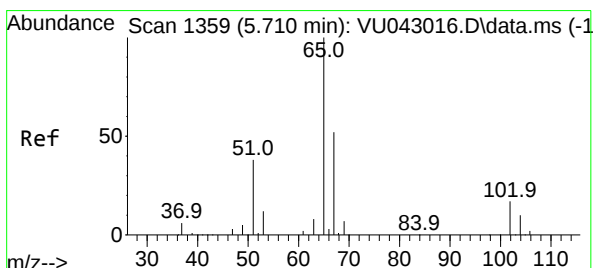
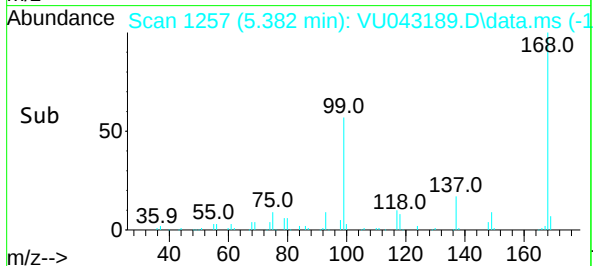
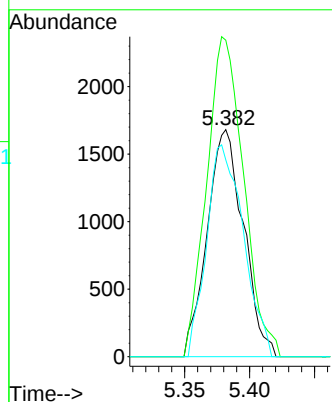


#31
Cyclohexane
Concen: 1.27 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

Instrument :
MSVOA_U
ClientSampled :

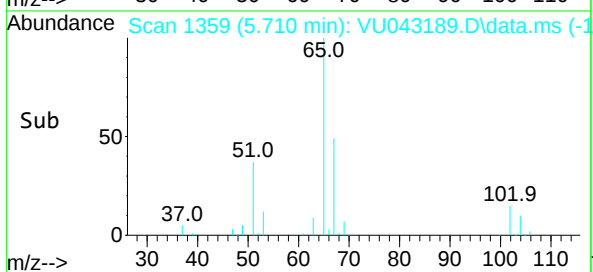
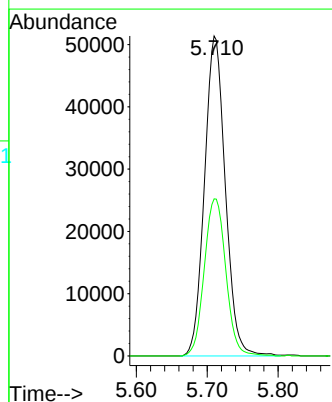
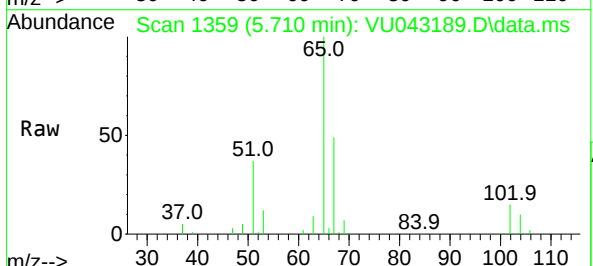


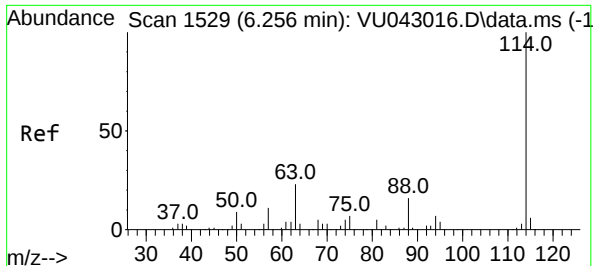
Tgt Ion: 56 Resp: 3265
Ion Ratio Lower Upper
56 100
69 139.4 24.9 37.3#
84 86.7 63.7 95.5



#33
1,2-Dichloroethane-d4
Concen: 50.59 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

Tgt Ion: 65 Resp: 105071
Ion Ratio Lower Upper
65 100
67 50.8 0.0 99.8

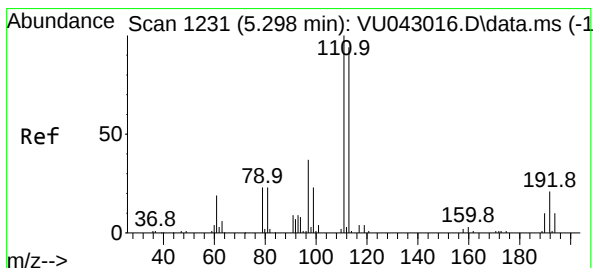
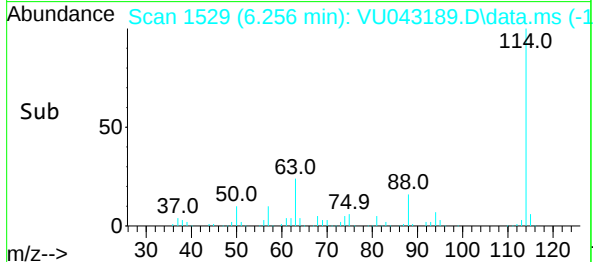
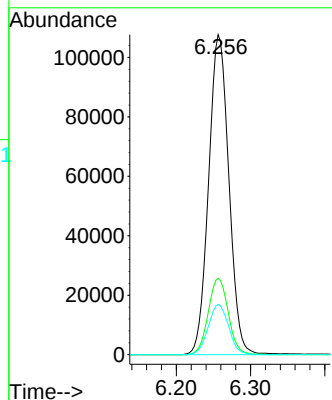
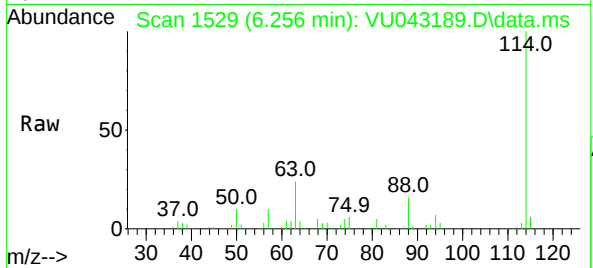




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

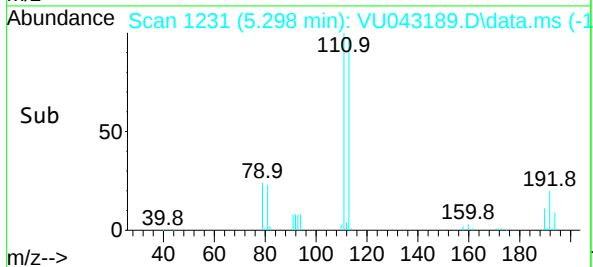
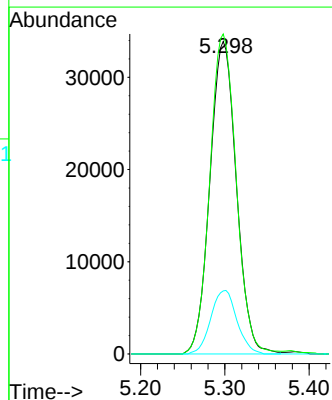
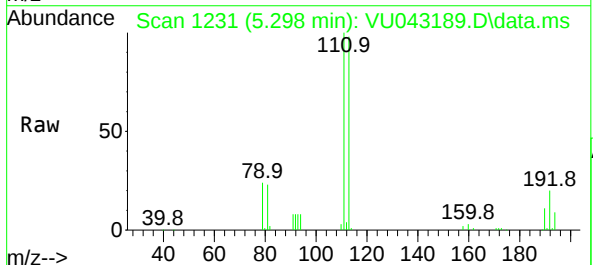
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MSVOA_U
ClientSampled :

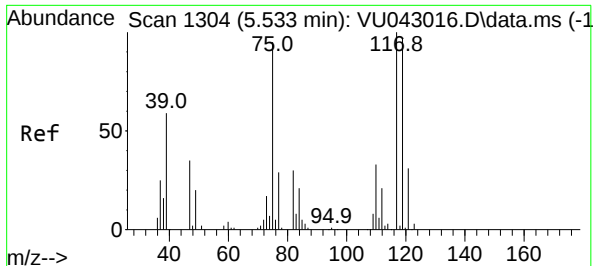
Tgt Ion:114 Resp: 203843
Ion Ratio Lower Upper
114 100
63 23.8 0.0 44.2
88 15.8 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.26 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

Tgt Ion:113 Resp: 73928
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.8
192 20.1 17.2 25.8

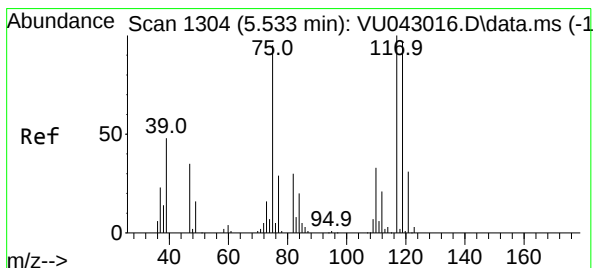
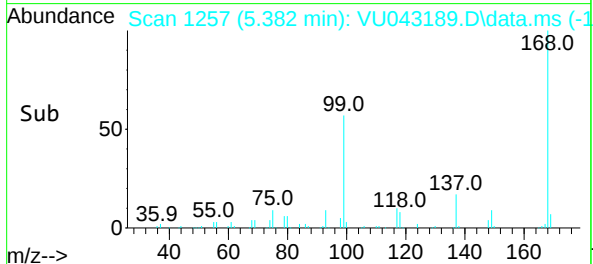
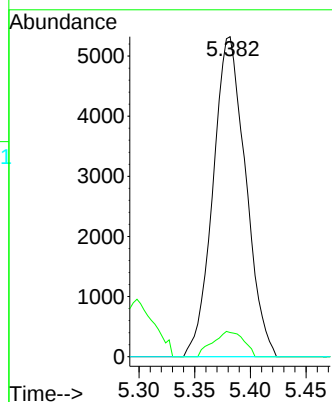
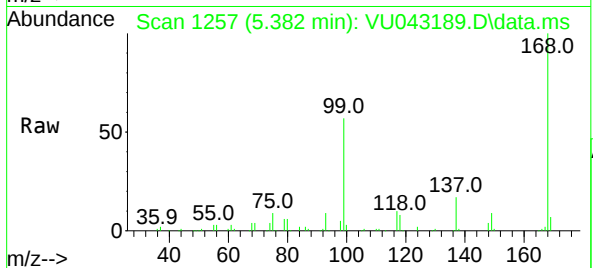




#36
1,1-Dichloropropene
Concen: 5.01 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

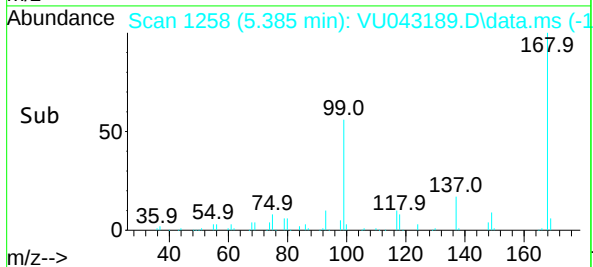
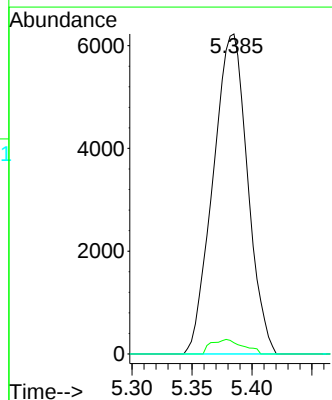
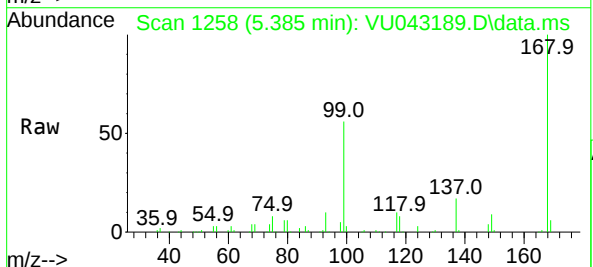
Instrument :
MSVOA_U
ClientSampled :

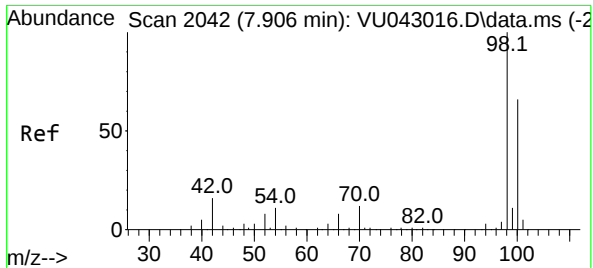
Tgt Ion: 75 Resp: 10826
Ion Ratio Lower Upper
75 100
110 7.4 16.8 50.3#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.37 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

Tgt Ion: 117 Resp: 12450
Ion Ratio Lower Upper
117 100
119 3.5 75.5 113.3#
121 0.0 24.7 37.1#

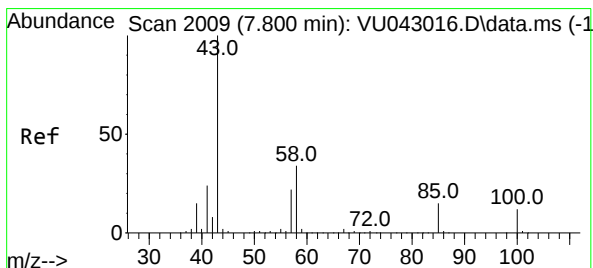
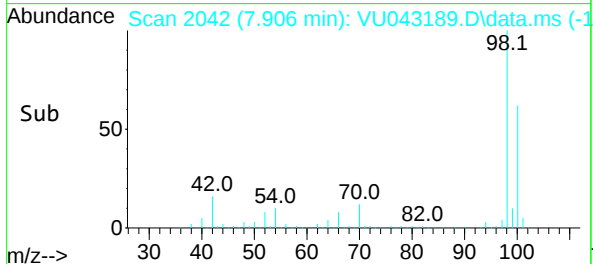
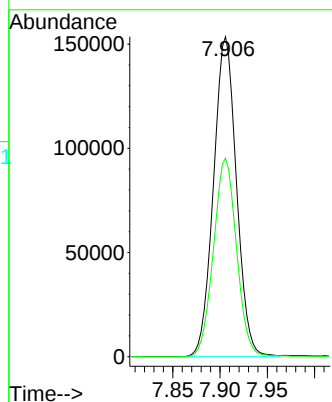
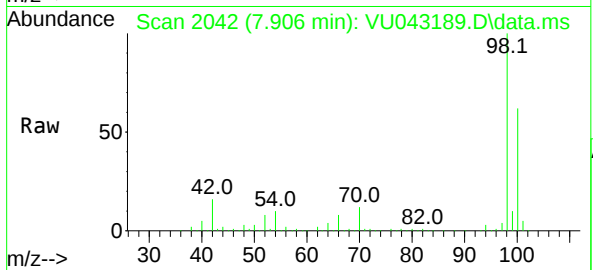




#50
Toluene-d8
Concen: 47.83 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

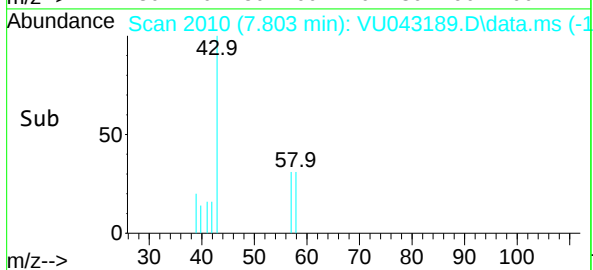
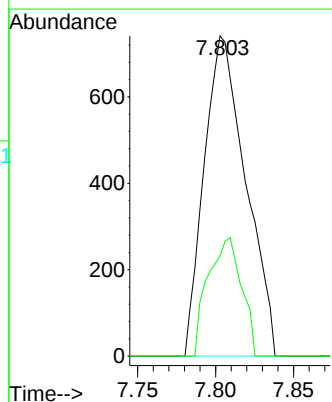
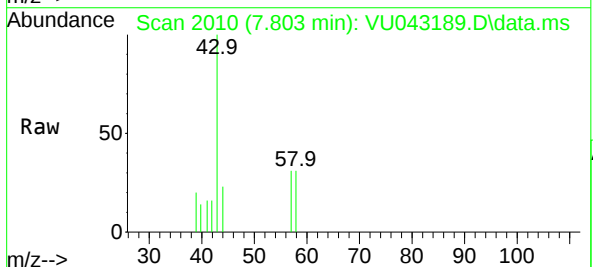
Instrument :
MSVOA_U
ClientSampled :

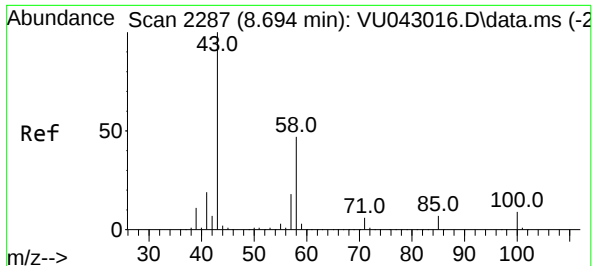
Tgt Ion: 98 Resp: 259220
Ion Ratio Lower Upper
98 100
100 62.6 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 0.35 ug/l
RT: 7.803 min Scan# 2010
Delta R.T. 0.003 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

Tgt Ion: 43 Resp: 1374
Ion Ratio Lower Upper
43 100
58 29.6 28.1 42.1

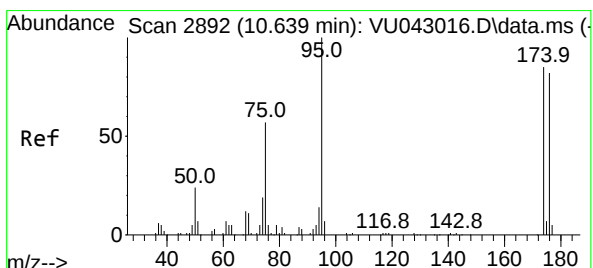
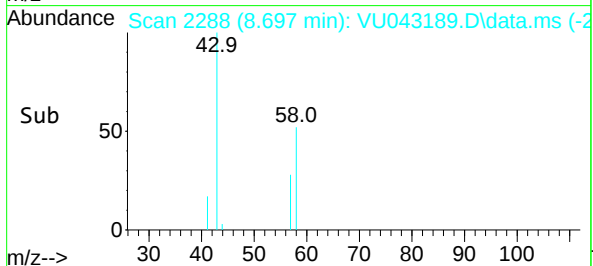
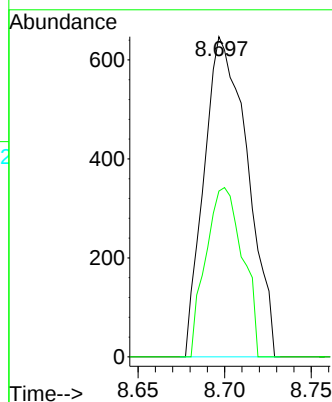
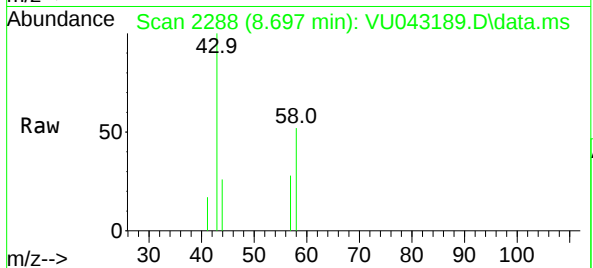




#59
2-Hexanone
Concen: 0.35 ug/l
RT: 8.697 min Scan# 2288
Delta R.T. 0.003 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

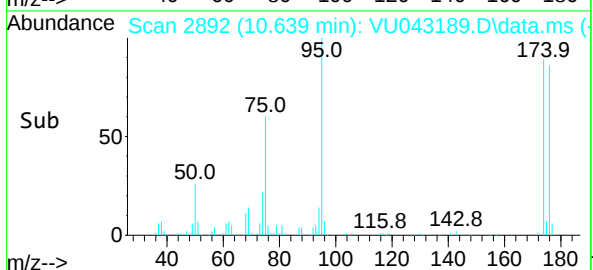
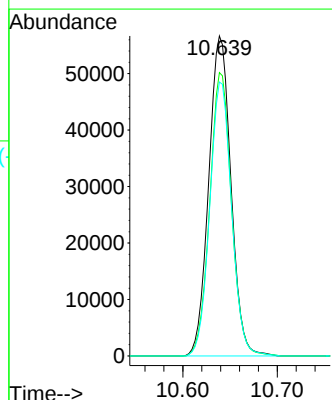
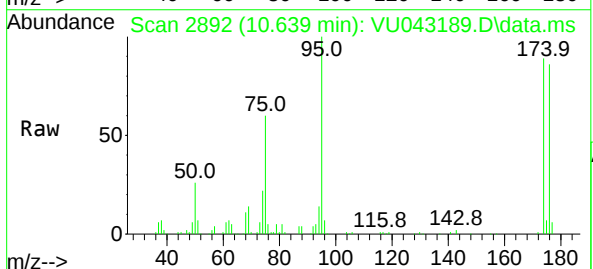
Instrument :
MSVOA_U
ClientSampled :

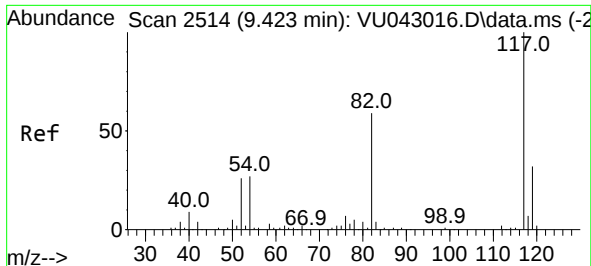
Tgt Ion: 43 Resp: 1128
Ion Ratio Lower Upper
43 100
58 44.8 24.0 72.0



#62
4-Bromofluorobenzene
Concen: 42.61 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

Tgt Ion: 95 Resp: 92472
Ion Ratio Lower Upper
95 100
174 86.6 0.0 172.2
176 84.1 0.0 168.8

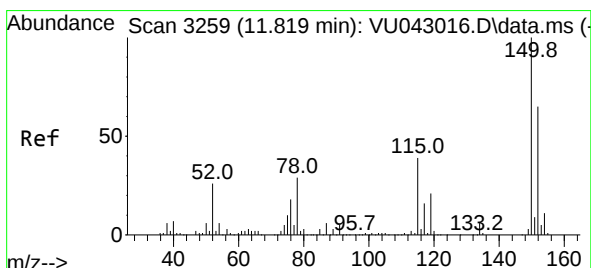
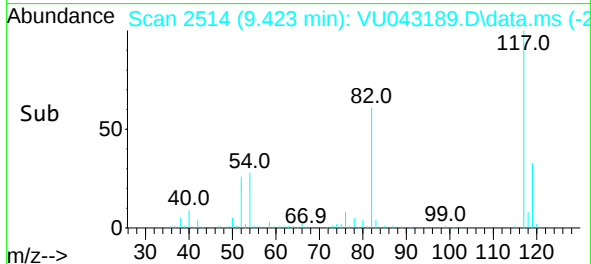
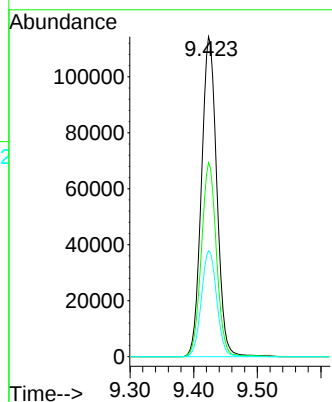
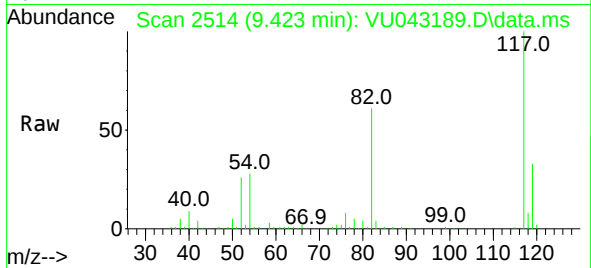




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

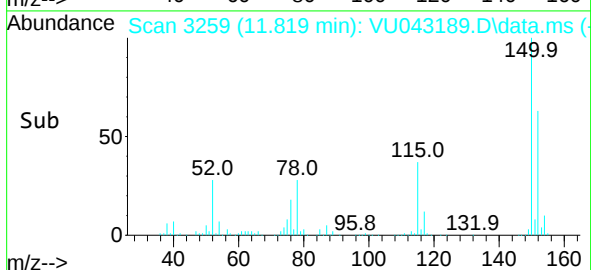
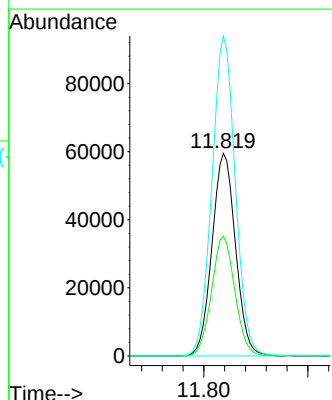
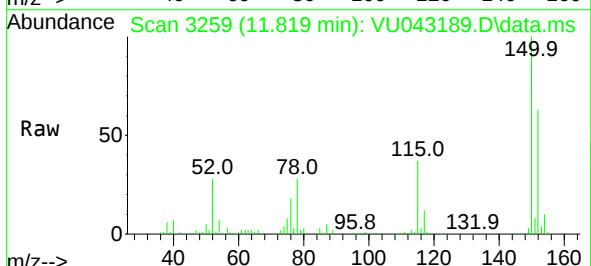
Instrument :
MSVOA_U
ClientSampled :

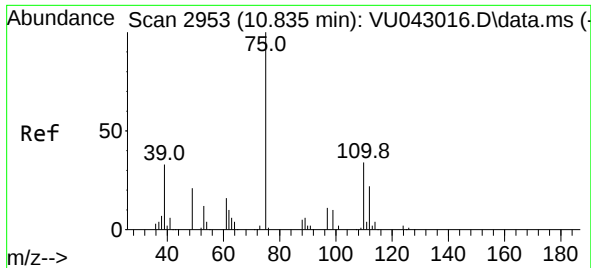
Tgt Ion:117 Resp: 191634
Ion Ratio Lower Upper
117 100
82 60.7 45.8 68.6
119 33.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

Tgt Ion:152 Resp: 93353
Ion Ratio Lower Upper
152 100
115 58.5 41.5 124.6
150 157.1 0.0 342.4

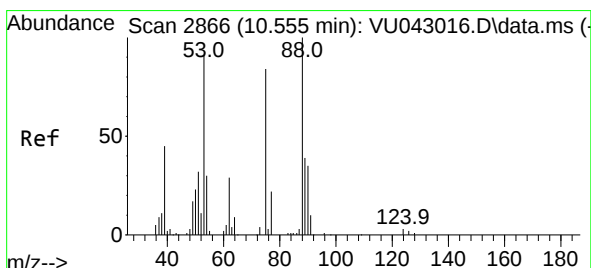
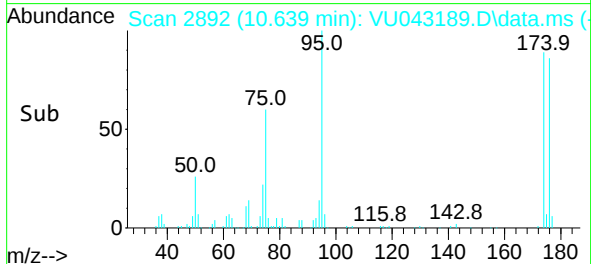
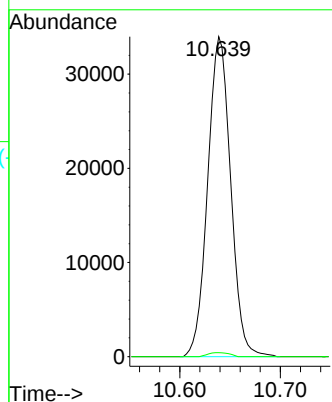
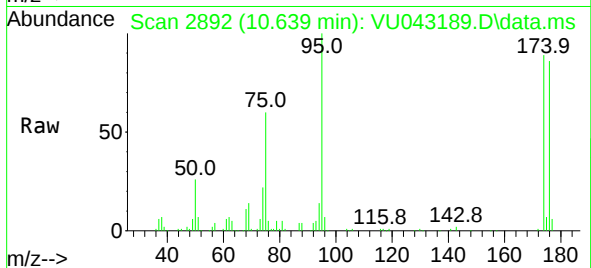




#76
1,2,3-Trichloropropane
Concen: 19.78 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

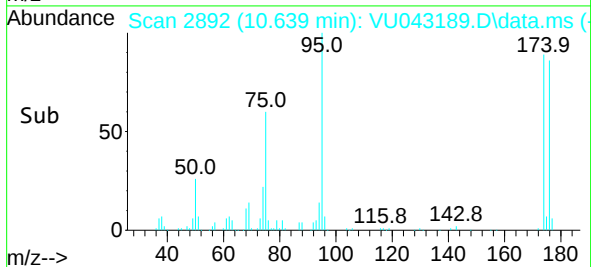
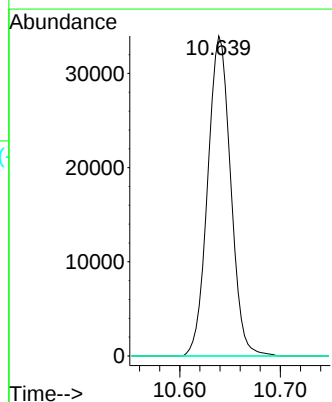
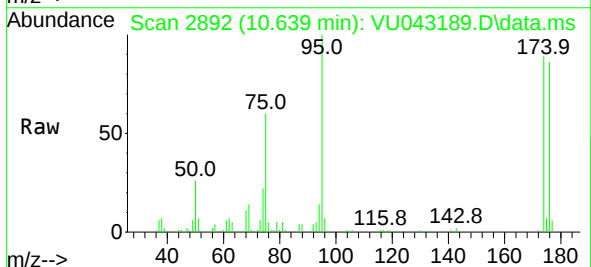
Instrument :
MSVOA_U
ClientSampled :

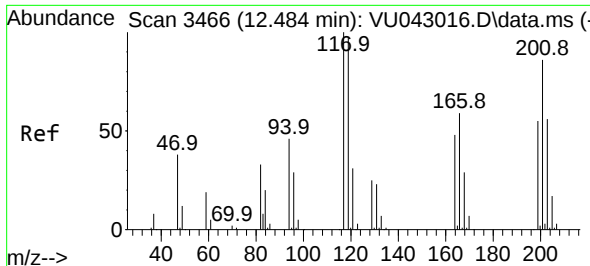
Tgt Ion: 75 Resp: 53950
Ion Ratio Lower Upper
75 100
77 1.2 20.2 60.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.11 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

Tgt Ion: 75 Resp: 53950
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#

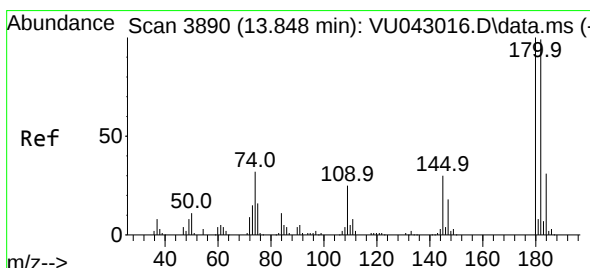
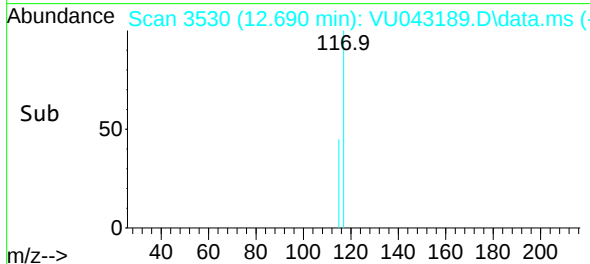
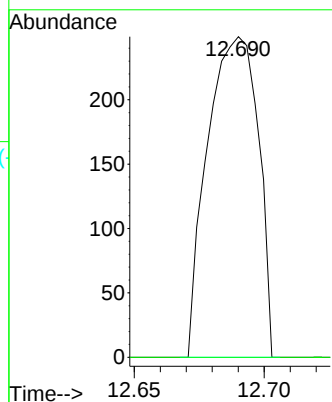
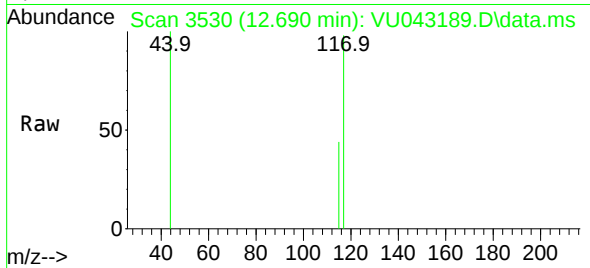




#90
Hexachloroethane
Concen: 0.31 ug/l
RT: 12.690 min Scan# 3530
Delta R.T. 0.206 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

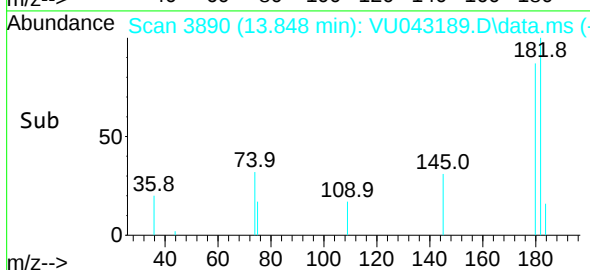
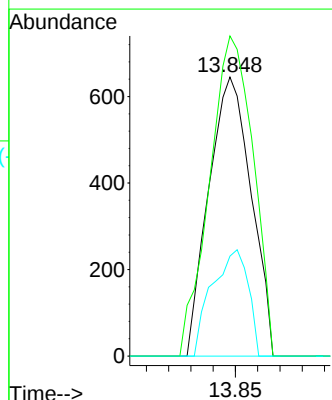
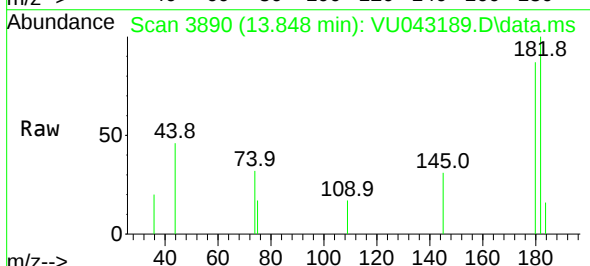
Instrument :
MSVOA_U
ClientSampled :

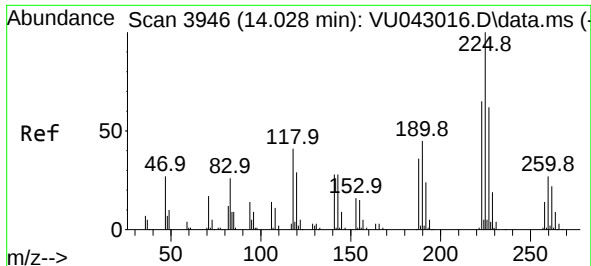
Tgt Ion:117 Resp: 337
Ion Ratio Lower Upper
117 100
201 0.0 43.5 130.7#



#93
1,2,4-Trichlorobenzene
Concen: 1.89 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. -0.000 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

Tgt Ion:180 Resp: 853
Ion Ratio Lower Upper
180 100
182 117.9 46.9 140.8
145 32.5 14.4 43.4

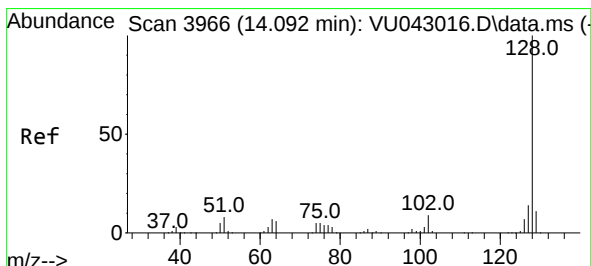
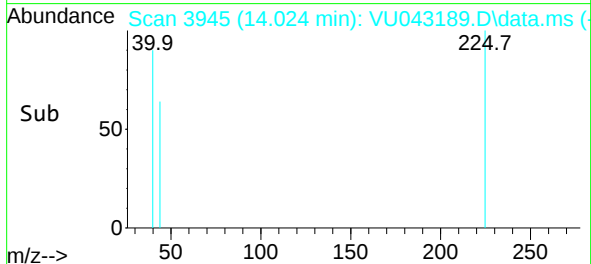
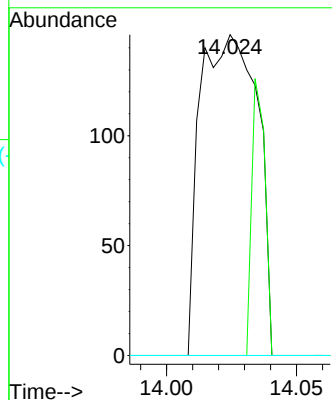
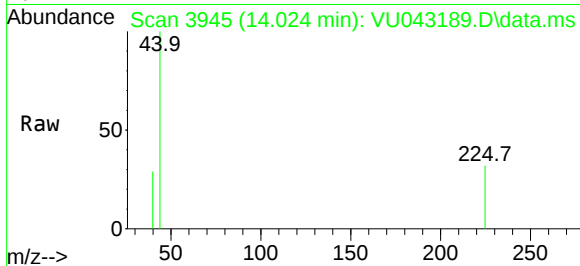




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 14.024 min Scan# 3945
Delta R.T. -0.004 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

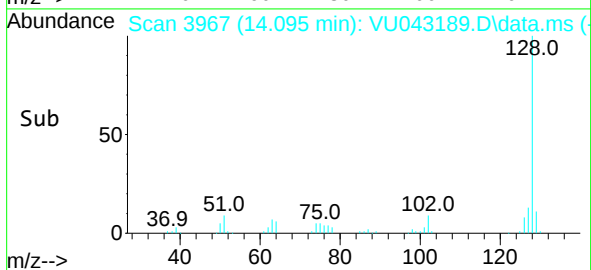
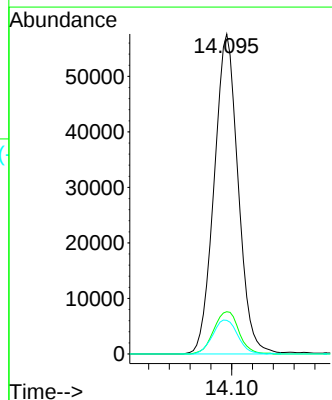
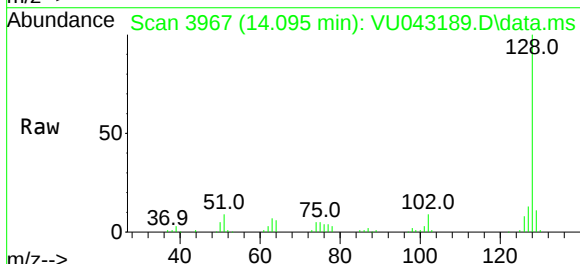
Instrument :
MSVOA_U
ClientSampleId :

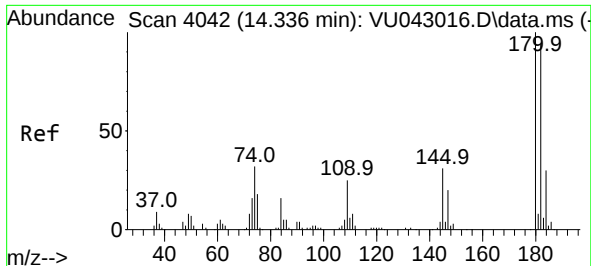
Tgt Ion:225 Resp: 223
Ion Ratio Lower Upper
225 100
223 19.7 32.3 96.9#
227 0.0 31.8 95.4#



#95
Naphthalene
Concen: 15.67 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU043189.D
Acq: 19 Apr 2021 13:22

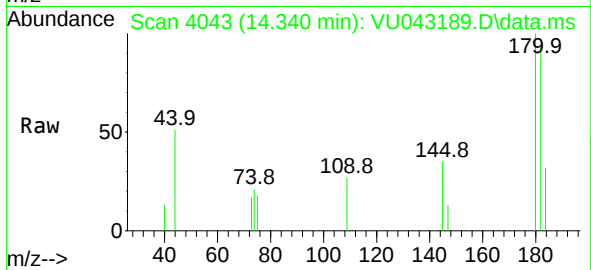
Tgt Ion:128 Resp: 92350
Ion Ratio Lower Upper
128 100
127 13.9 10.8 16.2
129 11.1 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.03 ug/l
 RT: 14.340 min Scan# 4043
 Delta R.T. 0.004 min
 Lab File: VU043189.D
 Acq: 19 Apr 2021 13:22

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 1220
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.0 144.0
 145 40.5 15.5 46.5

