

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041221\
 Data File : VU043034.D
 Acq On : 12 Apr 2021 19:28
 Operator : SY/MD
 Sample : M1946-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FS-SB11

Quant Time: Apr 13 05:16:17 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)

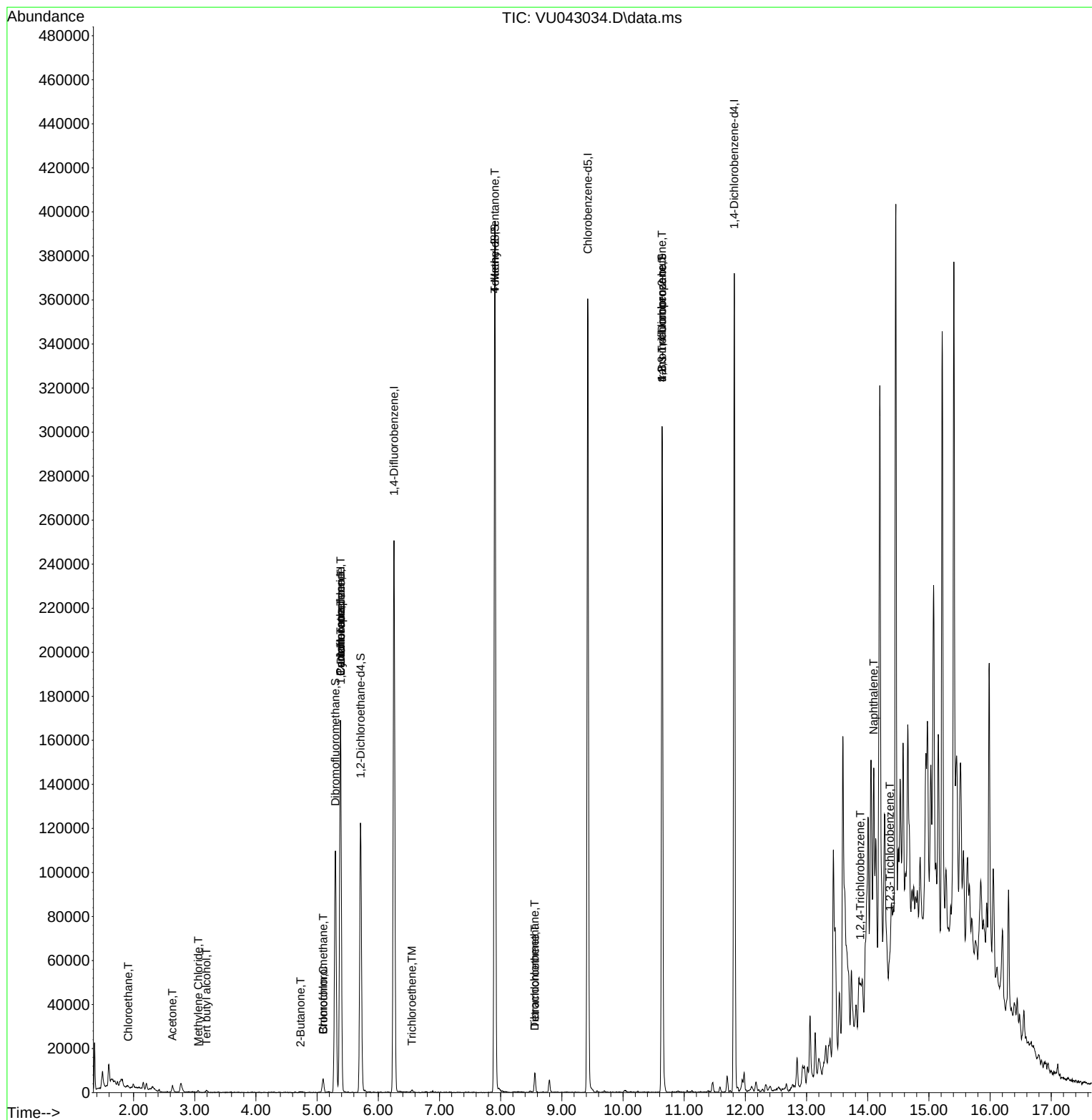
Internal Standards						
1) Pentafluorobenzene	5.382	168	113754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	186425	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	182545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	91941	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	96860	50.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.30%	
35) Dibromofluoromethane	5.298	113	66661	47.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.18%	
50) Toluene-d8	7.906	98	240039	48.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	10.639	95	89119	44.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.80%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	265	Below Cal	#	41
6) Chloroethane	1.912	64	612	0.65 ug/l	#	42
11) Tert butyl alcohol	3.192	59	1147	2.33 ug/l	#	94
16) Acetone	2.636	43	3622	2.92 ug/l		95
20) Methylene Chloride	3.057	84	364	0.27 ug/l	#	70
25) 2-Butanone	4.729	43	630	0.36 ug/l	#	54
28) Bromochloromethane	5.099	49	444	0.35 ug/l	#	16
30) Chloroform	5.099	83	5188	1.96 ug/l		87
31) Cyclohexane	5.382	56	2951	1.25 ug/l	#	42
36) 1,1-Dichloropropene	5.385	75	9749	4.93 ug/l	#	46
38) Carbon Tetrachloride	5.382	117	11713	5.52 ug/l	#	16
44) Trichloroethene	6.549	130	443	0.31 ug/l		89
51) 4-Methyl-2-Pentanone	7.906	43	1479	0.41 ug/l	#	1
60) Dibromochloromethane	8.555	129	1468	0.84 ug/l	#	11
64) Tetrachloroethene	8.559	164	1647	1.24 ug/l		88
76) 1,2,3-Trichloropropane	10.639	75	51580	19.20 ug/l	#	36
81) trans-1,4-Dichloro-2-b...	10.639	75	51580	56.41 ug/l	#	7
93) 1,2,4-Trichlorobenzene	13.877	180	22	1.52 ug/l	#	1
95) Naphthalene	14.095	128	16737	5.12 ug/l		97
96) 1,2,3-Trichlorobenzene	14.359	180	1097	1.98 ug/l	#	19

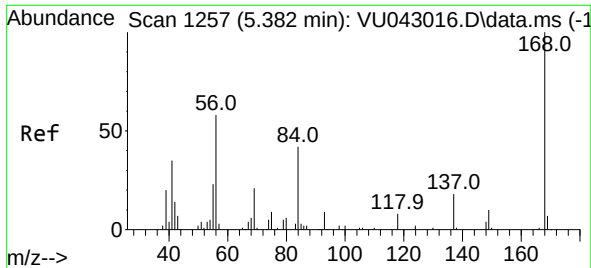
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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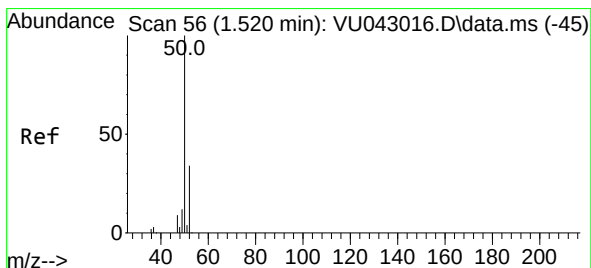
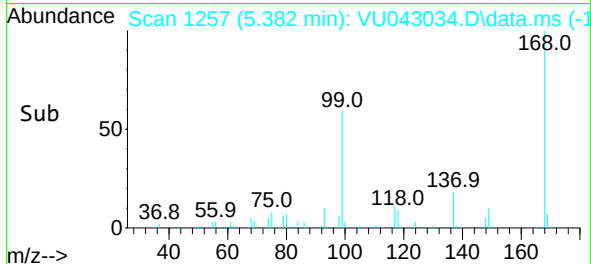
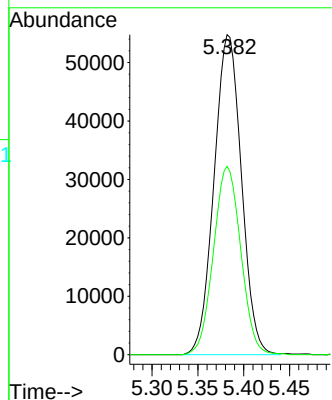
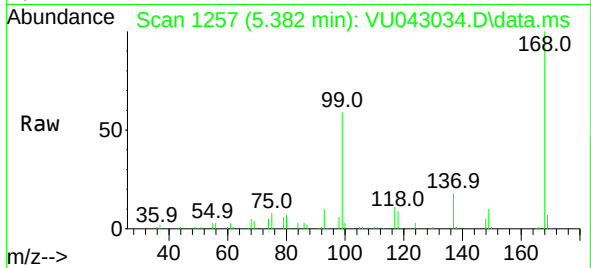




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

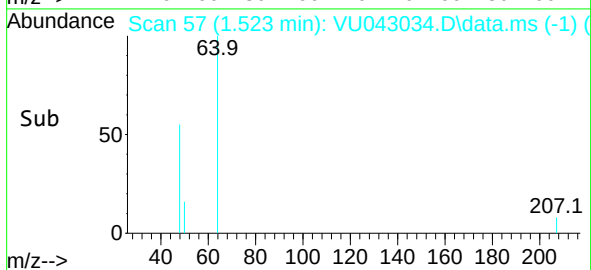
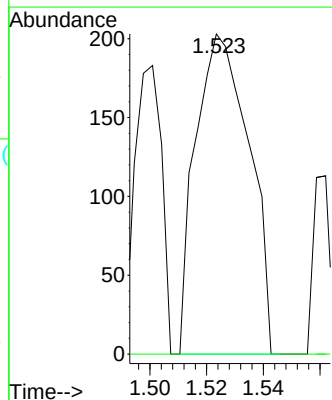
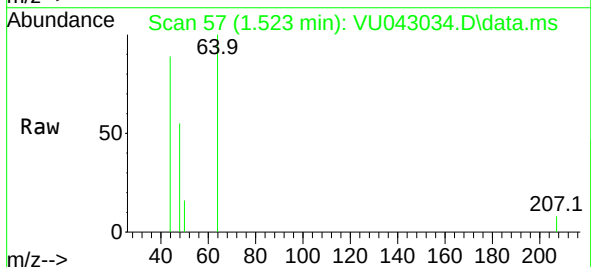
Instrument :
MSVOA_U
ClientSampleId :
FS-SB11

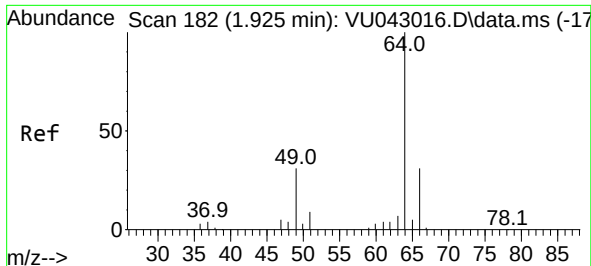
Tgt Ion:168 Resp: 113754
Ion Ratio Lower Upper
168 100
99 58.9 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

Tgt Ion: 50 Resp: 265
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

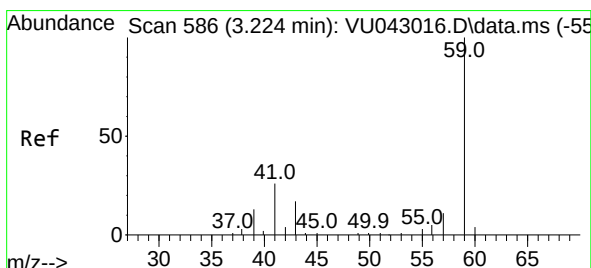
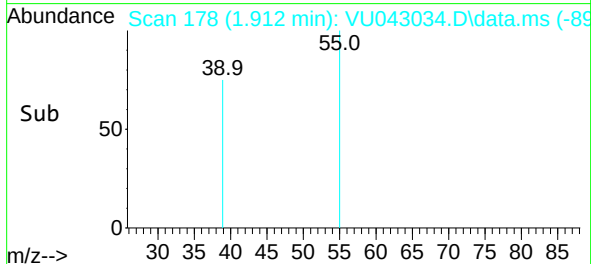
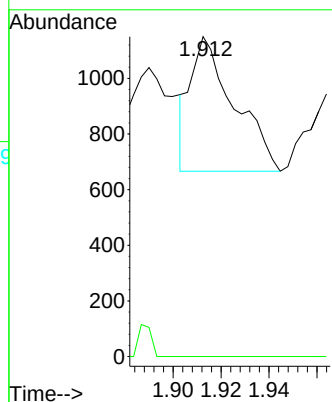
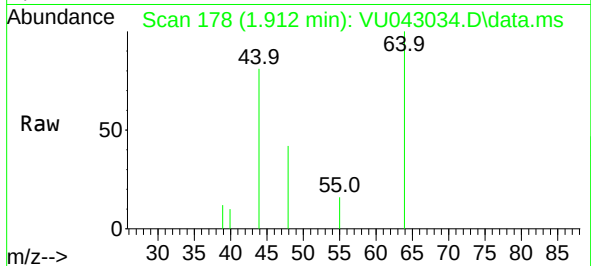




#6
Chloroethane
Concen: 0.65 ug/l
RT: 1.912 min Scan# 178
Delta R.T. -0.013 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

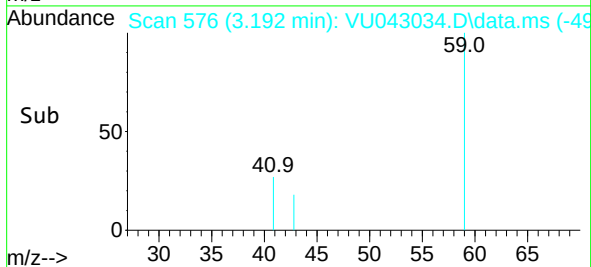
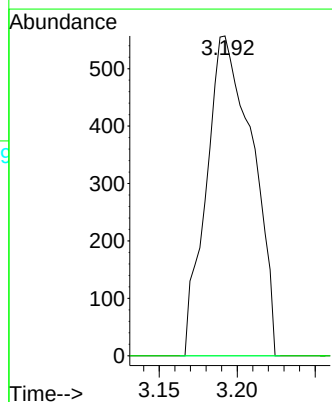
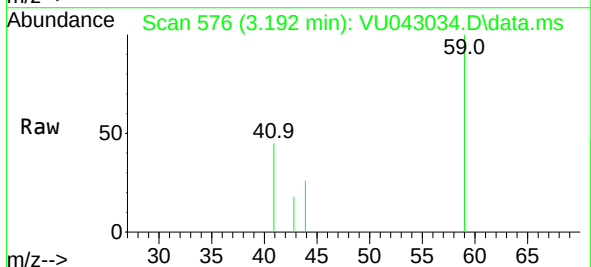
Instrument :
MSVOA_U
ClientSampleId :
FS-SB11

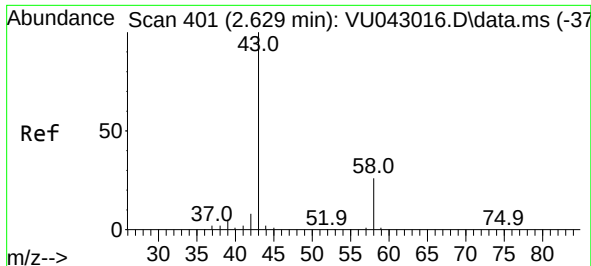
Tgt Ion: 64 Resp: 612
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 2.33 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.032 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

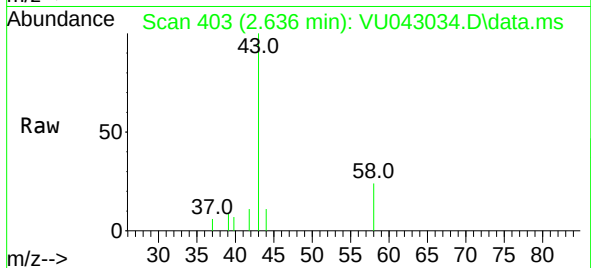
Tgt Ion: 59 Resp: 1147
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#



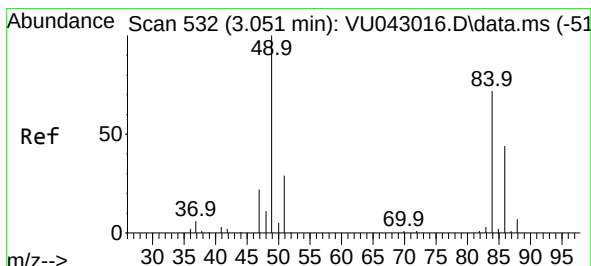
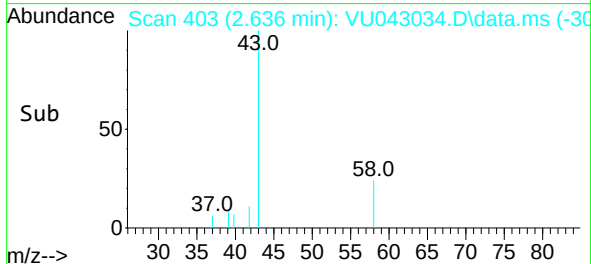
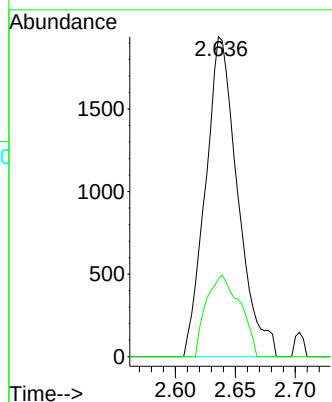


#16
Acetone
Concen: 2.92 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.007 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

Instrument :
MSVOA_U
ClientSampleId :
FS-SB11

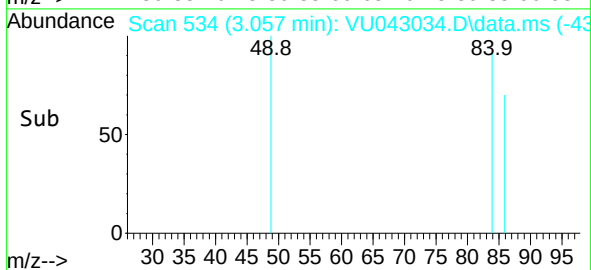
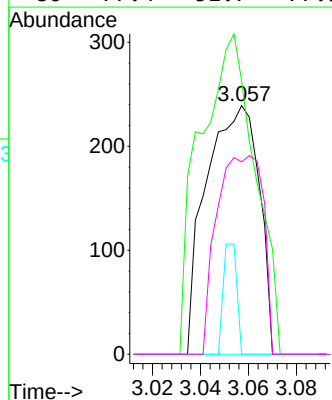
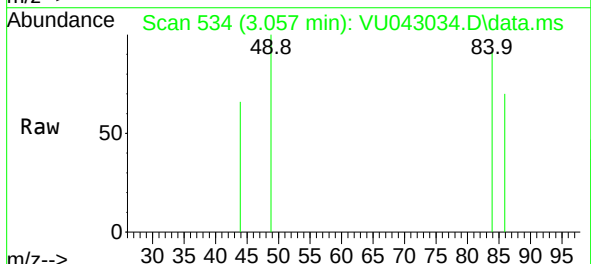


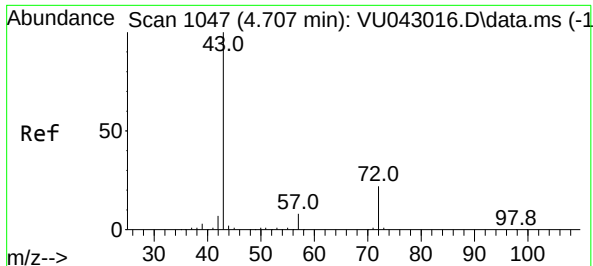
Tgt Ion: 43 Resp: 3622
Ion Ratio Lower Upper
43 100
58 24.4 21.5 32.3



#20
Methylene Chloride
Concen: 0.27 ug/l
RT: 3.057 min Scan# 534
Delta R.T. 0.006 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

Tgt Ion: 84 Resp: 364
Ion Ratio Lower Upper
84 100
49 110.0 112.6 169.0#
51 0.0 33.7 50.5#
86 77.4 51.7 77.5

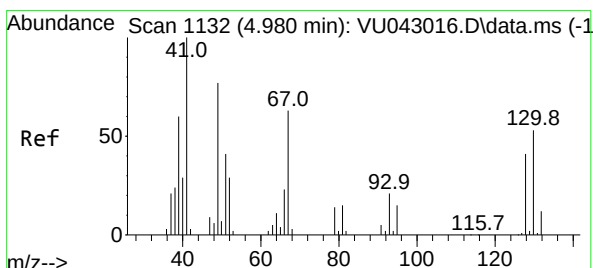
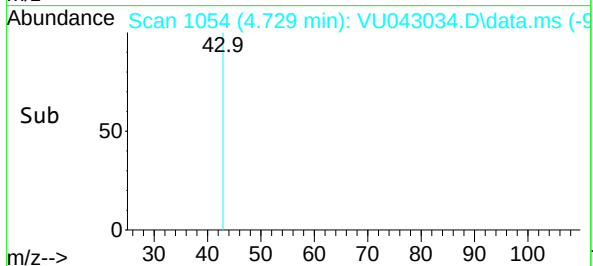
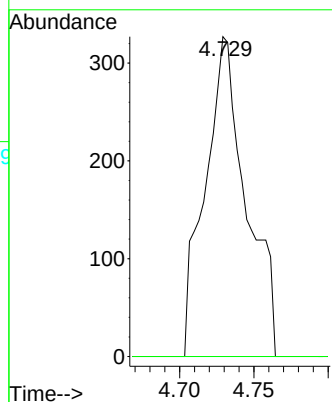
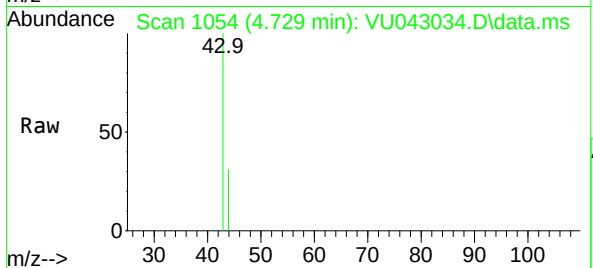




#25
2-Butanone
Concen: 0.36 ug/l
RT: 4.729 min Scan# 1054
Delta R.T. 0.022 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

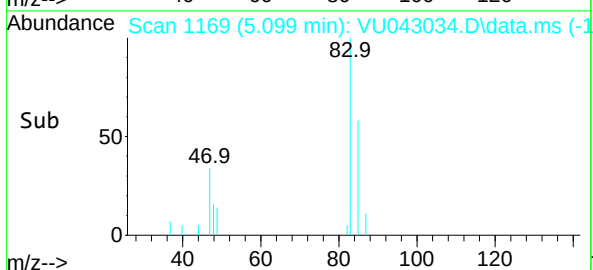
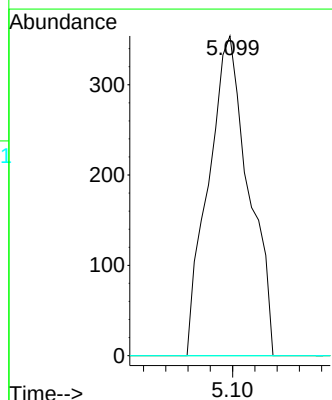
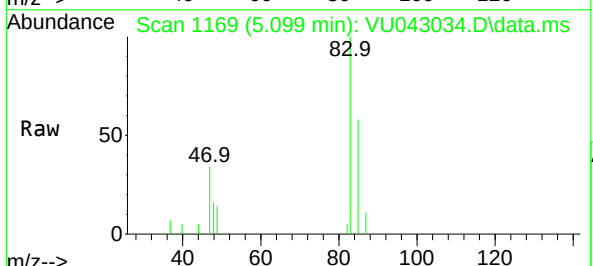
Instrument :
MSVOA_U
ClientSampled :
FS-SB11

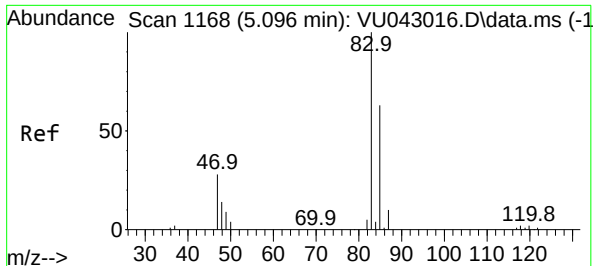
Tgt Ion: 43 Resp: 630
Ion Ratio Lower Upper
43 100
72 0.0 17.4 26.0#



#28
Bromochloromethane
Concen: 0.35 ug/l
RT: 5.099 min Scan# 1169
Delta R.T. 0.119 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

Tgt Ion: 49 Resp: 444
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.4
130 0.0 57.1 85.7#





#30

Chloroform

Concen: 1.96 ug/l

RT: 5.099 min Scan# 1169

Delta R.T. 0.003 min

Lab File: VU043034.D

Acq: 12 Apr 2021 19:28

Instrument :

MSVOA_U

ClientSampled :

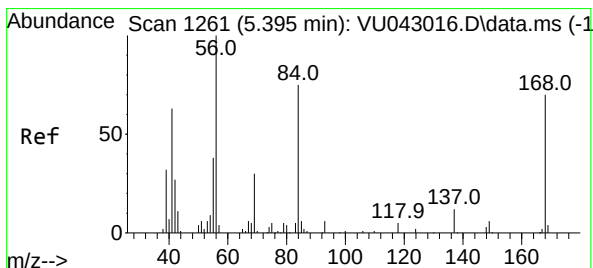
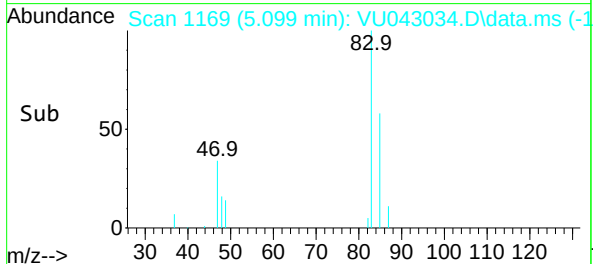
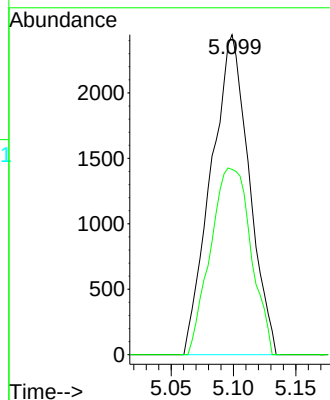
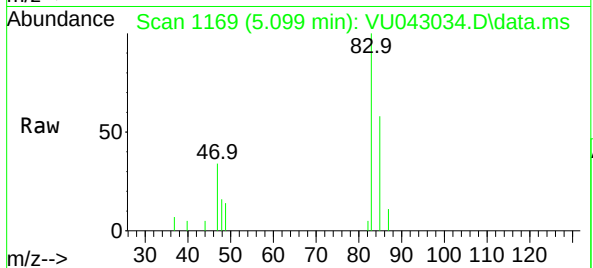
FS-SB11

Tgt Ion: 83 Resp: 5188

Ion Ratio Lower Upper

83 100

85 57.9 54.6 81.8



#31

Cyclohexane

Concen: 1.25 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.013 min

Lab File: VU043034.D

Acq: 12 Apr 2021 19:28

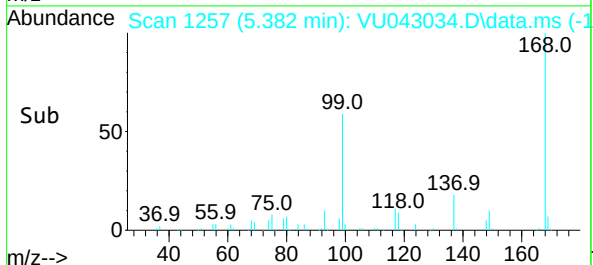
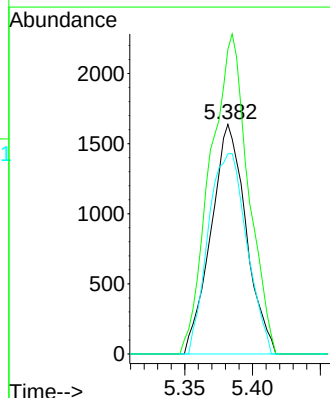
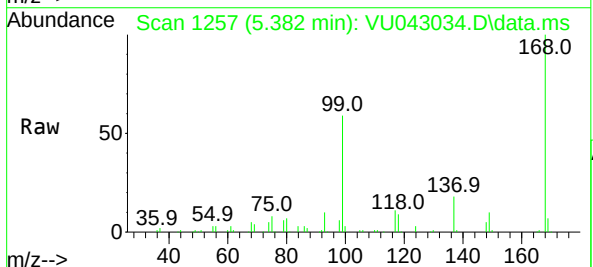
Tgt Ion: 56 Resp: 2951

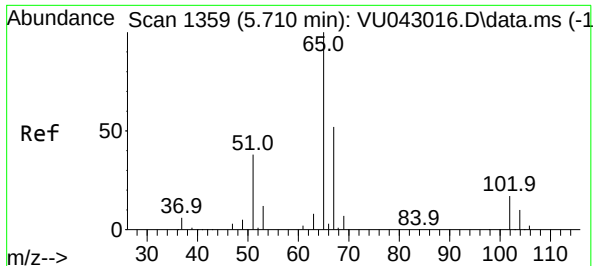
Ion Ratio Lower Upper

56 100

69 132.6 24.9 37.3#

84 87.2 63.7 95.5





#33

1,2-Dichloroethane-d4

Concen: 50.65 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU043034.D

Acq: 12 Apr 2021 19:28

Tgt Ion: 65 Resp: 96860

Ion Ratio Lower Upper

65 100

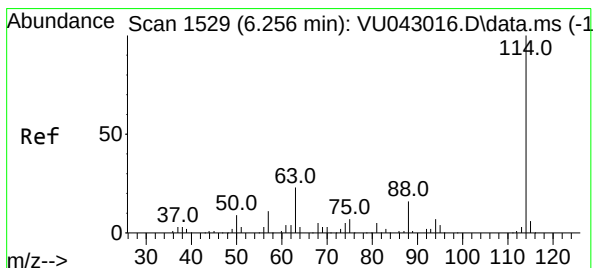
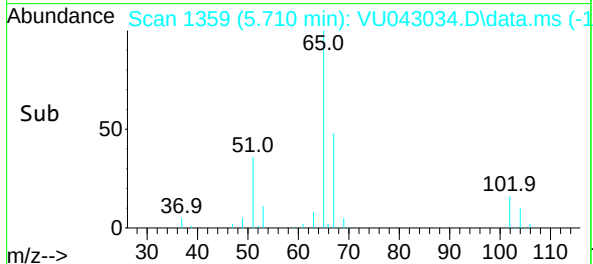
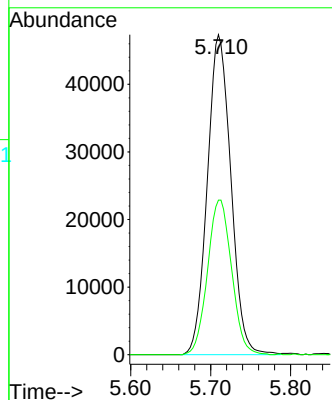
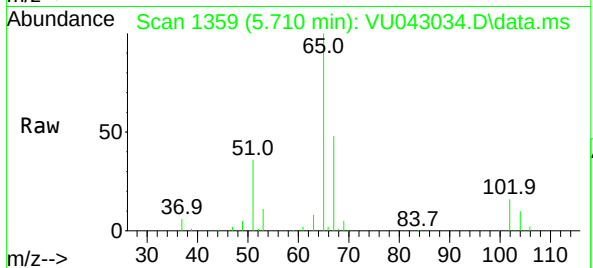
67 49.4 0.0 99.8

Instrument :

MSVOA_U

ClientSampleId :

FS-SB11



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043034.D

Acq: 12 Apr 2021 19:28

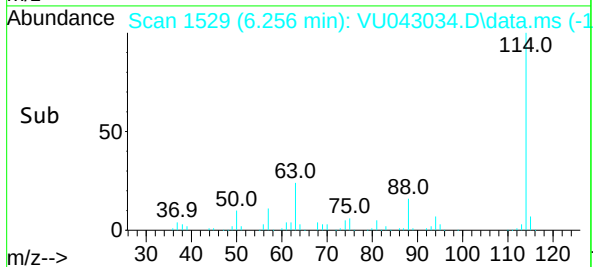
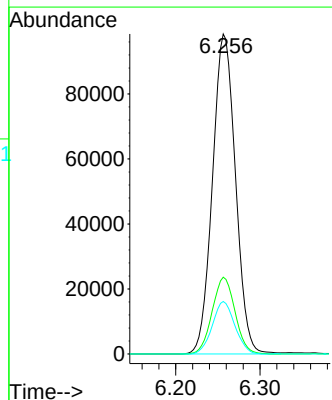
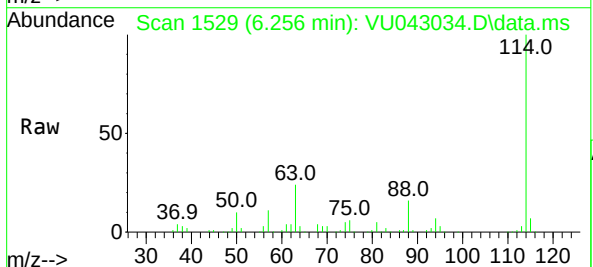
Tgt Ion: 114 Resp: 186425

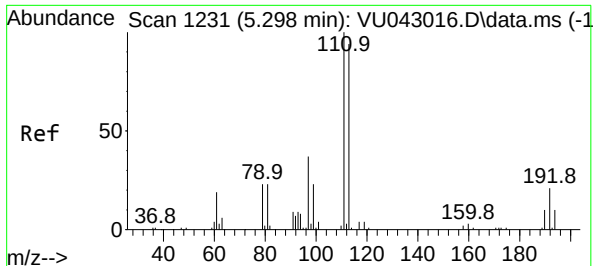
Ion Ratio Lower Upper

114 100

63 24.0 0.0 44.2

88 16.4 0.0 33.4

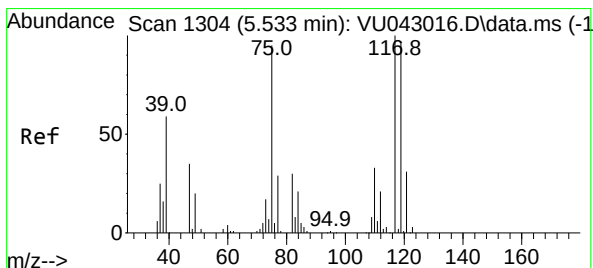
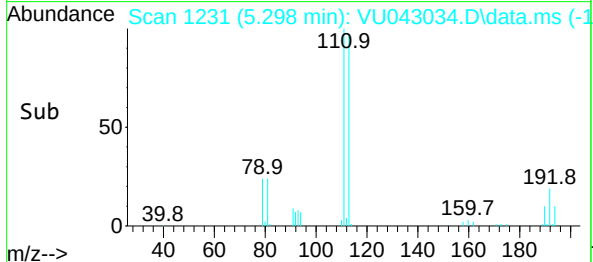
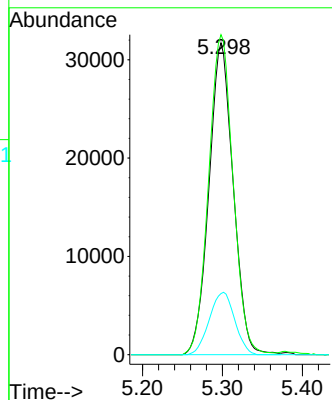
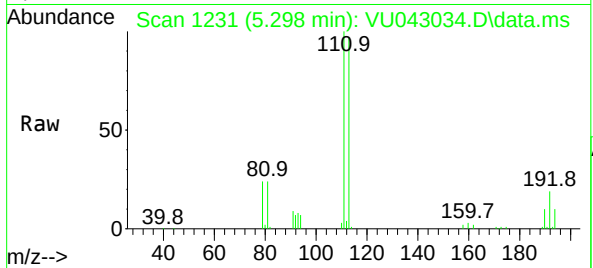




#35
Dibromofluoromethane
Concen: 47.59 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

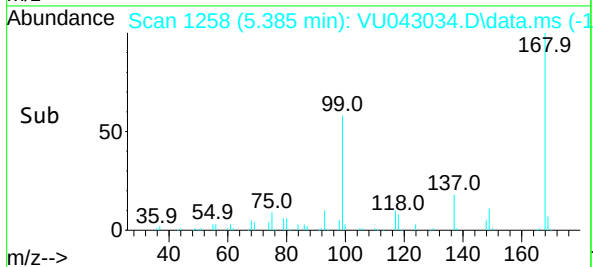
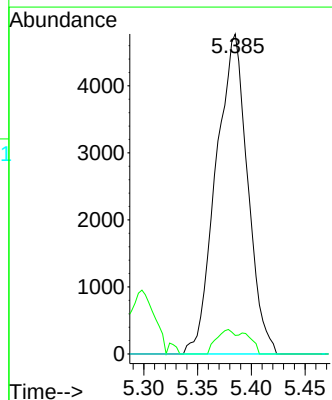
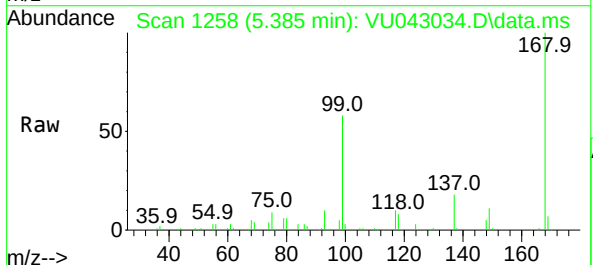
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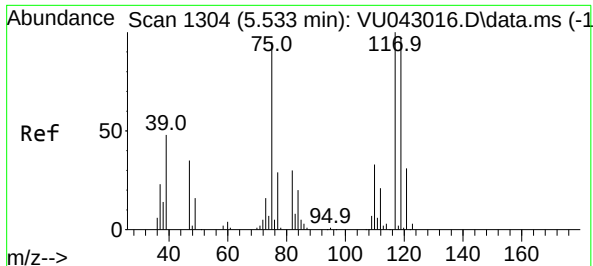
Tgt Ion:113 Resp: 66661
Ion Ratio Lower Upper
113 100
111 103.8 81.8 122.8
192 21.0 17.2 25.8



#36
1,1-Dichloropropene
Concen: 4.93 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

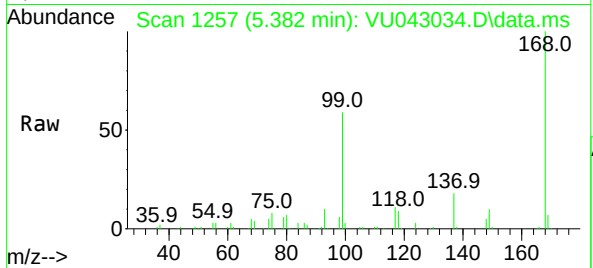
Tgt Ion: 75 Resp: 9749
Ion Ratio Lower Upper
75 100
110 4.4 16.8 50.3#
77 0.0 24.8 37.2#



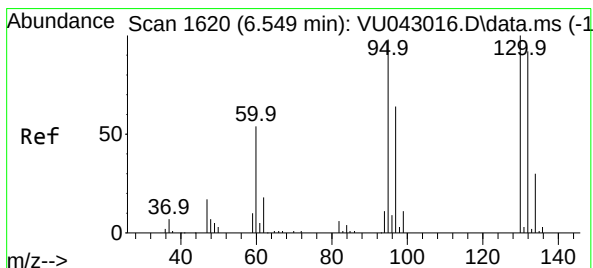
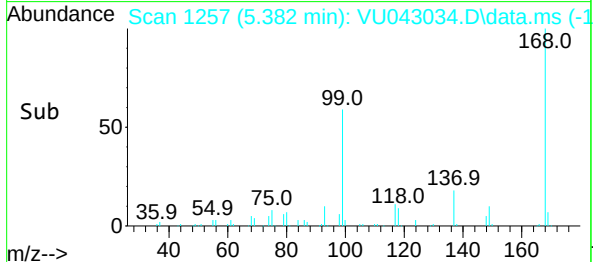
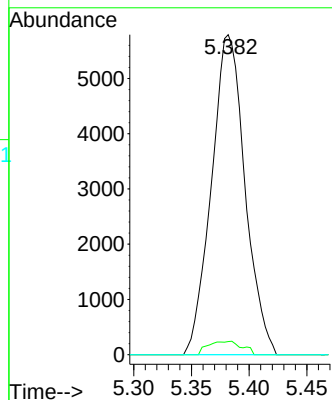


#38
Carbon Tetrachloride
Concen: 5.52 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

Instrument :
MSVOA_U
ClientSampleId :
FS-SB11

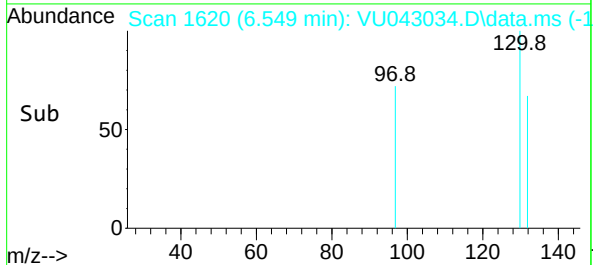
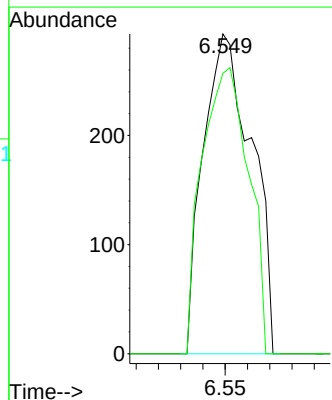
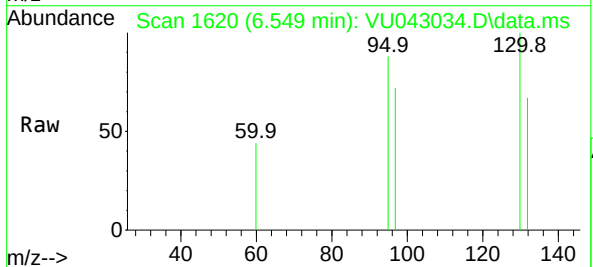


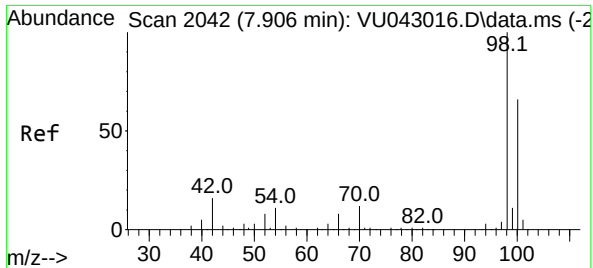
Tgt Ion:117 Resp: 11713
Ion Ratio Lower Upper
117 100
119 4.1 75.5 113.3#
121 0.0 24.7 37.1#



#44
Trichloroethene
Concen: 0.31 ug/l
RT: 6.549 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

Tgt Ion:130 Resp: 443
Ion Ratio Lower Upper
130 100
95 87.7 0.0 197.8

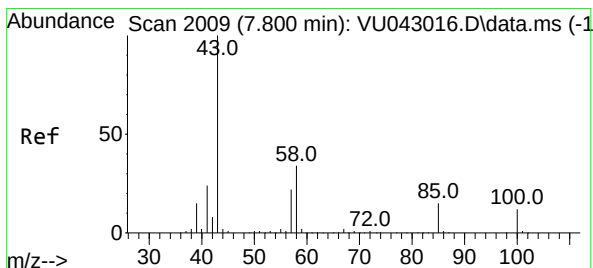
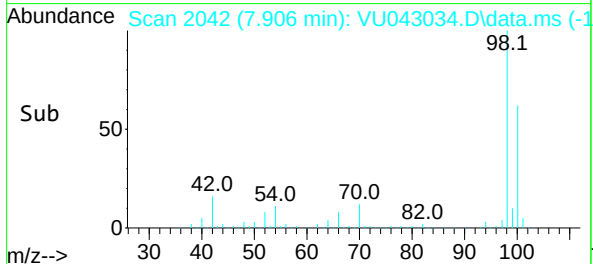
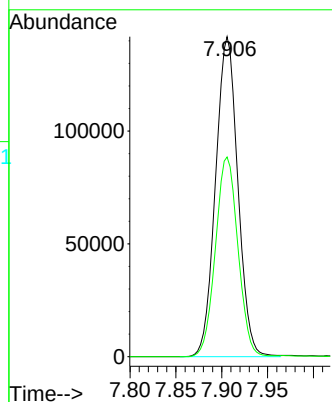
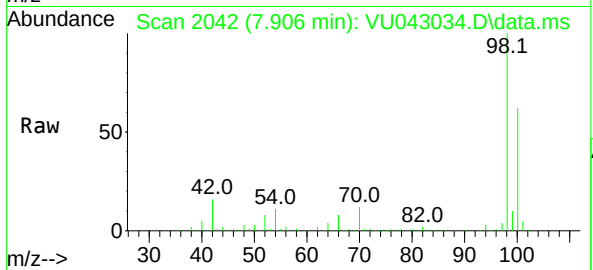




#50
Toluene-d8
Concen: 48.43 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

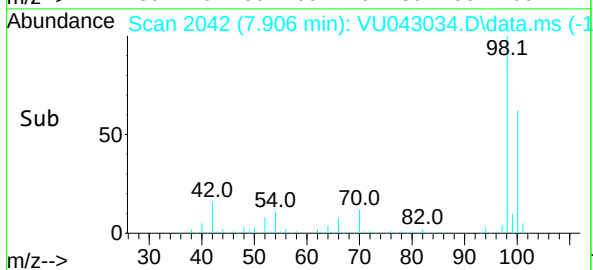
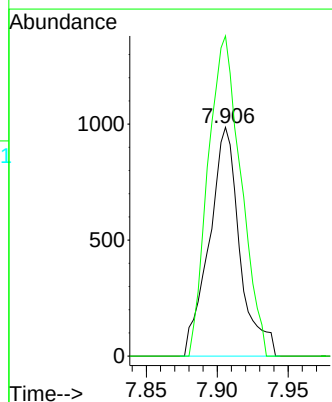
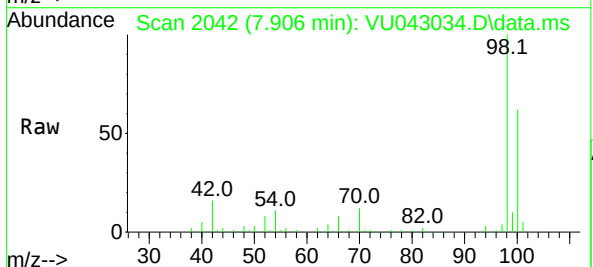
Instrument :
MSVOA_U
ClientSampleId :
FS-SB11

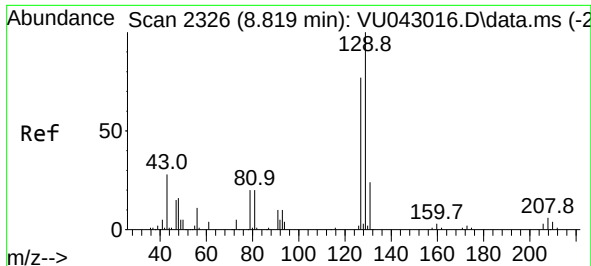
Tgt Ion: 98 Resp: 240039
Ion Ratio Lower Upper
98 100
100 62.9 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 0.41 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. 0.106 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

Tgt Ion: 43 Resp: 1479
Ion Ratio Lower Upper
43 100
58 150.0 28.1 42.1#

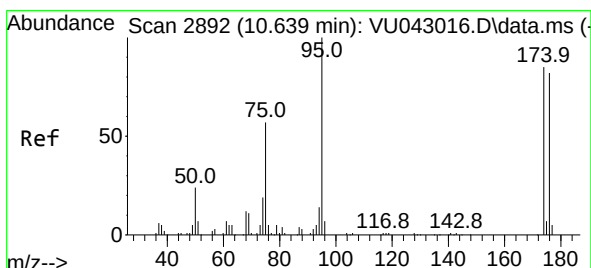
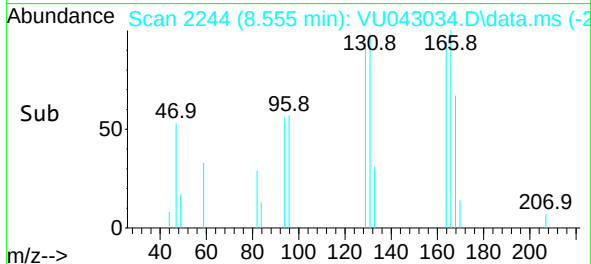
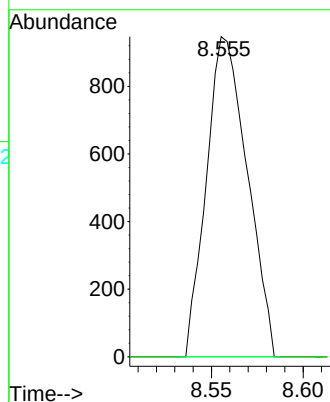
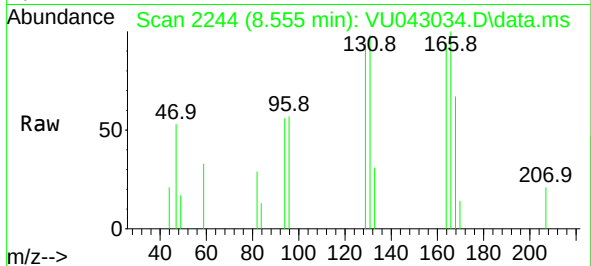




#60
Dibromochloromethane
Concen: 0.84 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.264 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

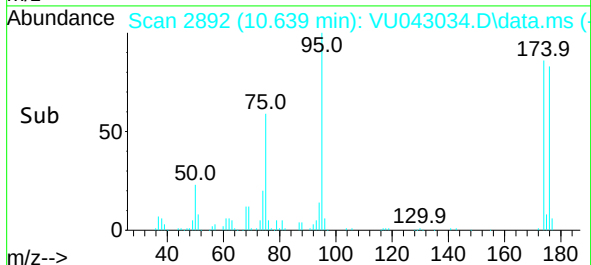
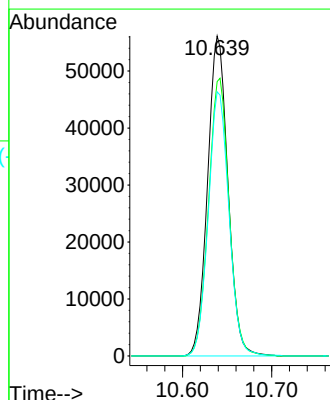
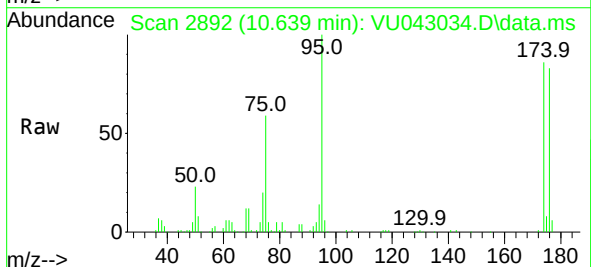
Instrument :
MSVOA_U
ClientSampleId :
FS-SB11

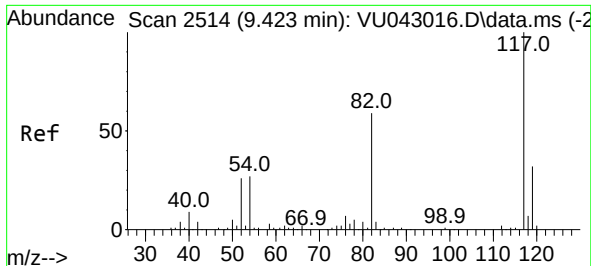
Tgt Ion:129 Resp: 1468
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 44.90 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

Tgt Ion: 95 Resp: 89119
Ion Ratio Lower Upper
95 100
174 87.8 0.0 172.2
176 83.7 0.0 168.8

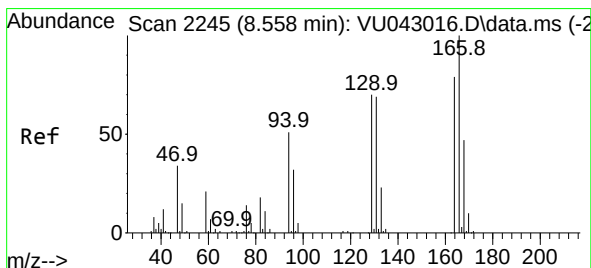
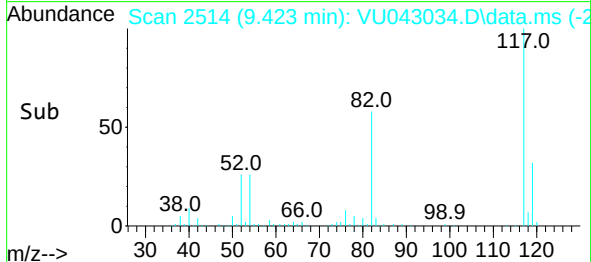
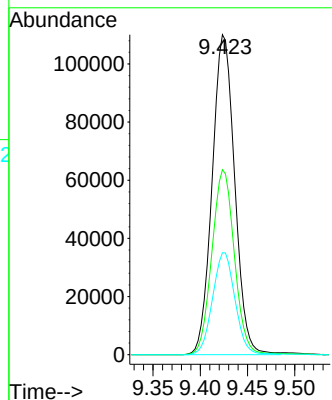
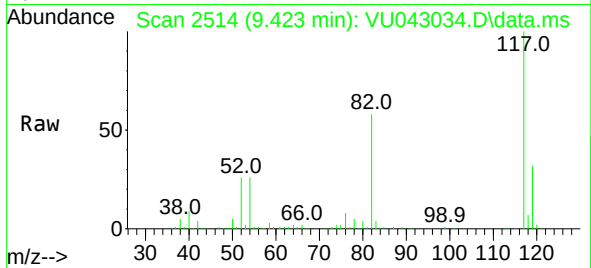




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

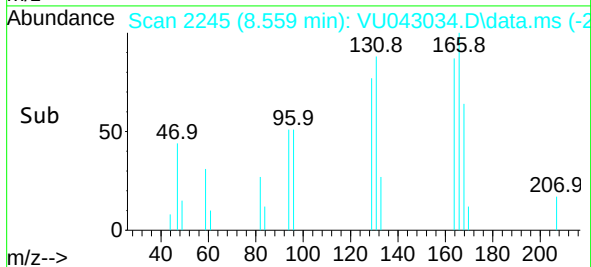
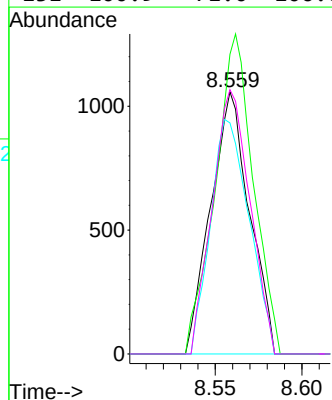
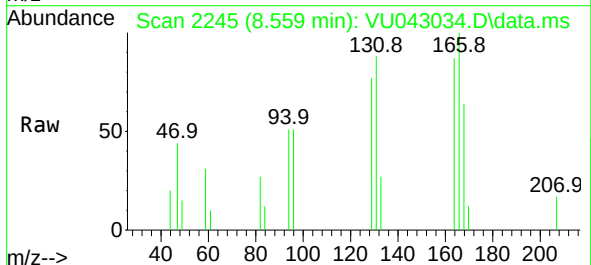
Instrument :
MSVOA_U
ClientSampleId :
FS-SB11

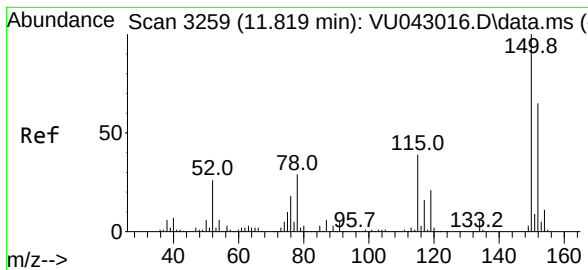
Tgt Ion:	117	Resp:	182545
Ion Ratio	Lower	Upper	
117	100		
82	57.8	45.8	68.6
119	31.9	25.8	38.8



#64
Tetrachloroethene
Concen: 1.24 ug/l
RT: 8.559 min Scan# 2245
Delta R.T. 0.001 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

Tgt Ion:	164	Resp:	1647
Ion Ratio	Lower	Upper	
164	100		
166	114.4	105.3	157.9
129	88.2	75.0	112.6
131	100.9	71.0	106.6

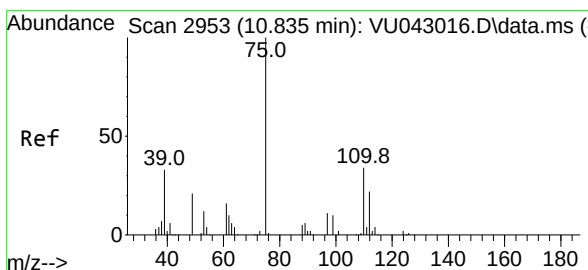
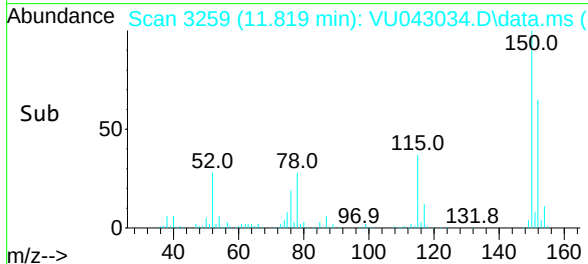
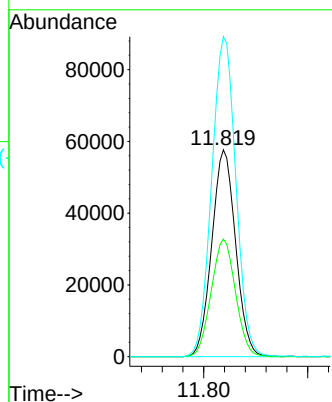
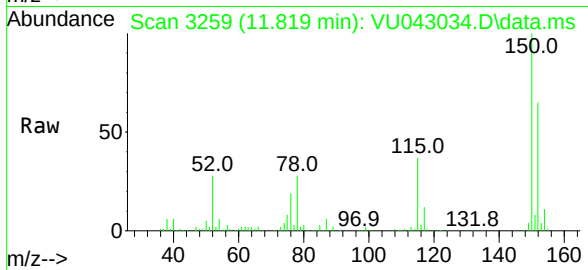




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU043034.D
 Acq: 12 Apr 2021 19:28

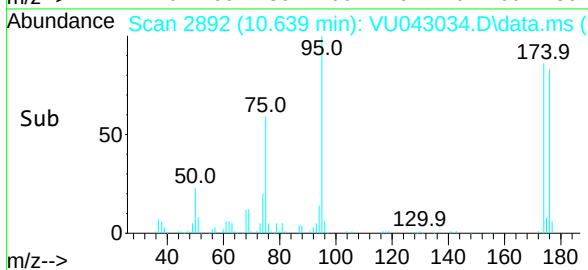
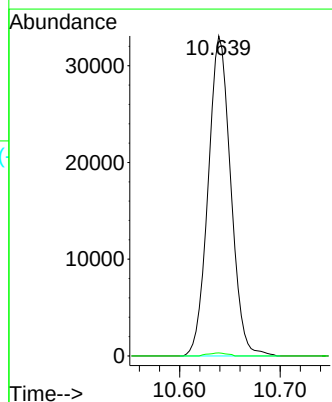
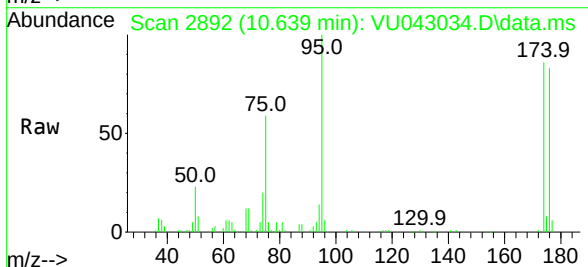
Instrument :
 MSVOA_U
 ClientSampleId :
 FS-SB11

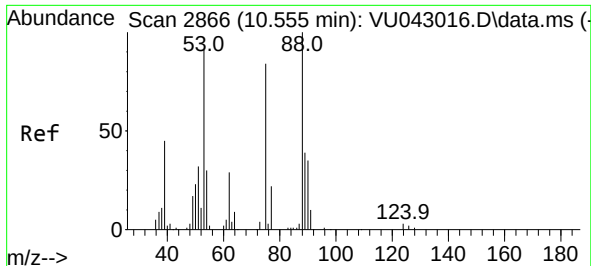
Tgt Ion:152 Resp: 91941
 Ion Ratio Lower Upper
 152 100
 115 57.7 41.5 124.6
 150 156.8 0.0 342.4



#76
 1,2,3-Trichloropropane
 Concen: 19.20 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.196 min
 Lab File: VU043034.D
 Acq: 12 Apr 2021 19:28

Tgt Ion: 75 Resp: 51580
 Ion Ratio Lower Upper
 75 100
 77 0.8 20.2 60.5#

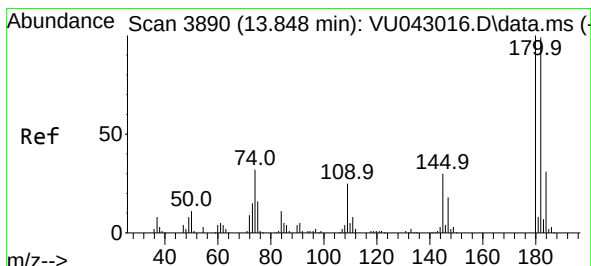
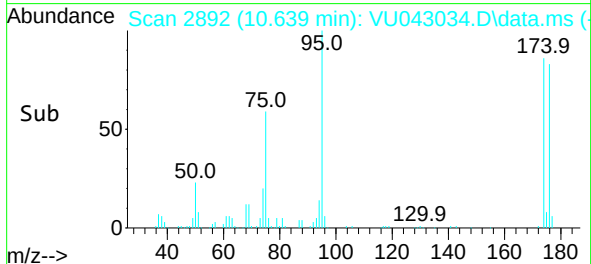
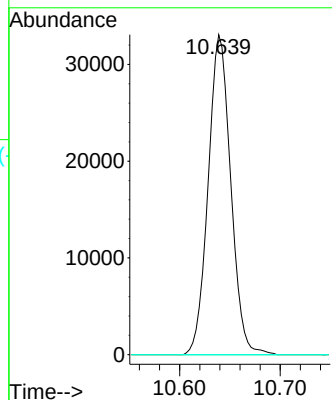
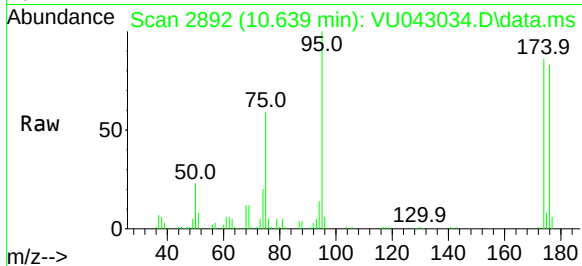




#81
trans-1,4-Dichloro-2-butene
Concen: 56.41 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

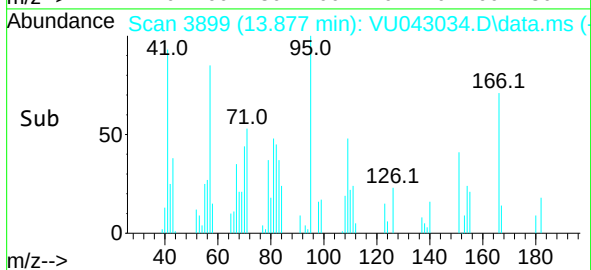
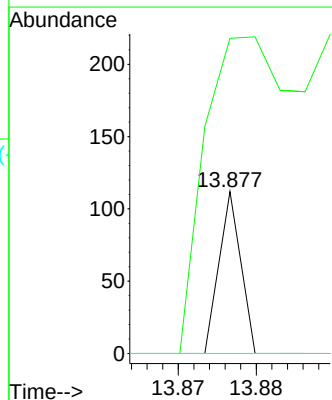
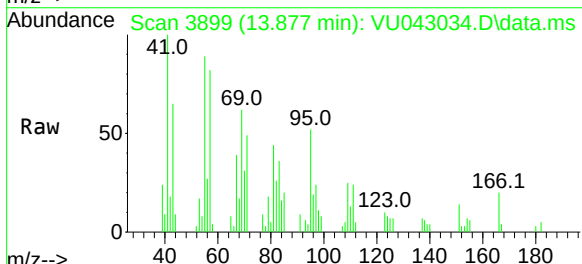
Instrument :
MSVOA_U
ClientSampleId :
FS-SB11

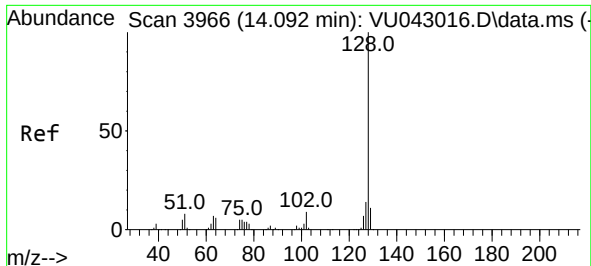
Tgt Ion: 75 Resp: 51580
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#



#93
1,2,4-Trichlorobenzene
Concen: 1.52 ug/l
RT: 13.877 min Scan# 3899
Delta R.T. 0.029 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

Tgt Ion: 180 Resp: 22
Ion Ratio Lower Upper
180 100
182 840.9 46.9 140.8#
145 0.0 14.4 43.4#

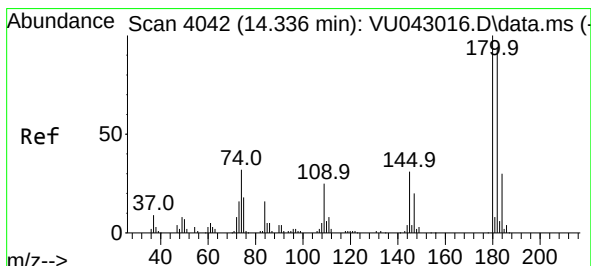
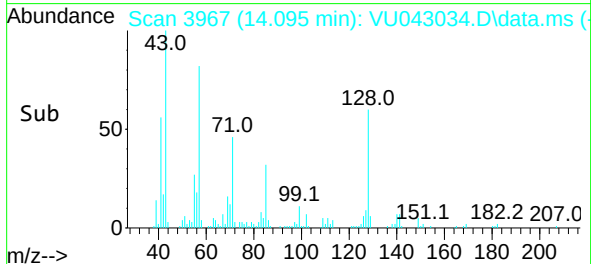
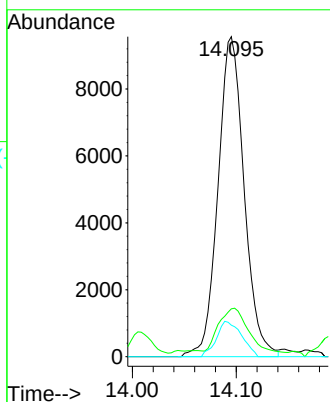
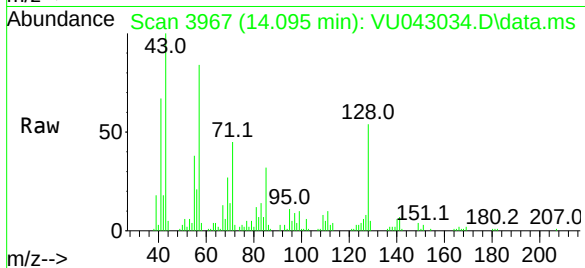




#95
Naphthalene
Concen: 5.12 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

Instrument :
MSVOA_U
ClientSampled :
FS-SB11

Tgt Ion:	128	Resp:	16737
Ion Ratio	Lower	Upper	
128	100		
127	15.8	10.8	16.2
129	10.6	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.98 ug/l
RT: 14.359 min Scan# 4049
Delta R.T. 0.023 min
Lab File: VU043034.D
Acq: 12 Apr 2021 19:28

Tgt Ion:	180	Resp:	1097
Ion Ratio	Lower	Upper	
180	100		
182	8.5	48.0	144.0#
145	0.0	15.5	46.5#

