

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041221\
 Data File : VU043033.D
 Acq On : 12 Apr 2021 19:05
 Operator : SY/MD
 Sample : M1946-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FS-SB9

Quant Time: Apr 13 05:15:54 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)

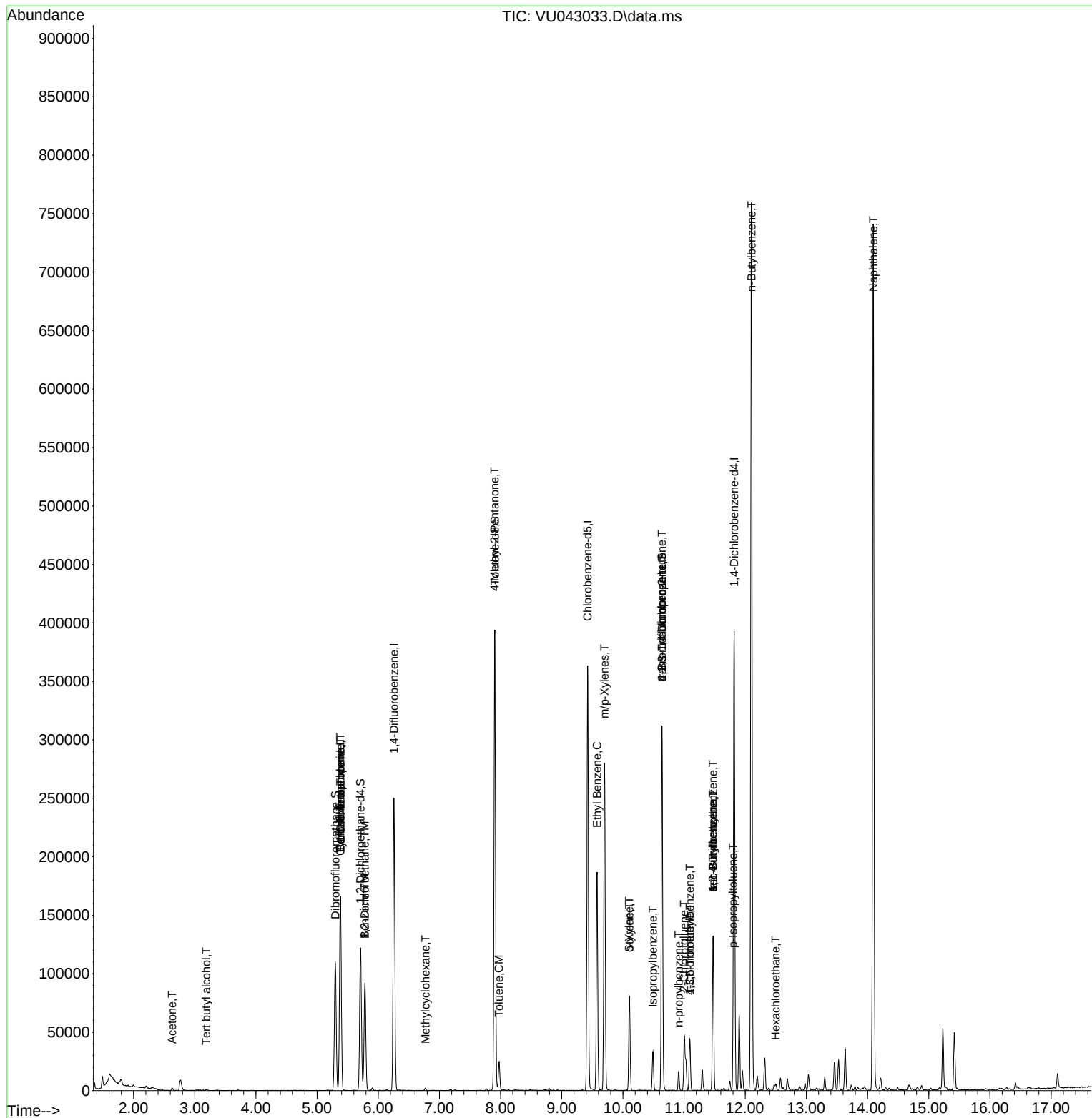
Internal Standards						
1) Pentafluorobenzene	5.382	168	113631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	187426	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	179359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	94098	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	94116	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.54%	
35) Dibromofluoromethane	5.298	113	65680	46.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.28%	
50) Toluene-d8	7.906	98	239461	48.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	10.639	95	91407	45.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.60%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	258	Below Cal	#	41
11) Tert butyl alcohol	3.186	59	742	1.51	ug/l #	94
16) Acetone	2.629	43	2951	2.32	ug/l #	88
31) Cyclohexane	5.378	56	3013	1.28	ug/l #	26
36) 1,1-Dichloropropene	5.382	75	9661	4.86	ug/l #	50
38) Carbon Tetrachloride	5.382	117	11714	5.49	ug/l #	18
39) Methylcyclohexane	6.771	83	849	0.39	ug/l	86
40) Benzene	5.780	78	78669	13.85	ug/l	100
42) 1,2-Dichloroethane	5.780	62	1019	0.40	ug/l #	79
51) 4-Methyl-2-Pentanone	7.902	43	1481	0.41	ug/l #	1
52) Toluene	7.973	92	9188	2.61	ug/l	97
67) Ethyl Benzene	9.578	91	123596	17.80	ug/l	99
68) m/p-Xylenes	9.700	106	71839	27.97	ug/l	100
69) o-Xylene	10.105	106	19845	7.92	ug/l	99
70) Styrene	10.105	104	1502	0.36	ug/l #	1
73) Isopropylbenzene	10.491	105	20132	3.19	ug/l	98
76) 1,2,3-Trichloropropane	10.639	75	51458	18.71	ug/l #	37
78) n-propylbenzene	10.912	91	11198	1.48	ug/l	98
79) 2-Chlorotoluene	11.002	91	5833	1.27	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.095	105	22674	4.07	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.639	75	51458	54.99	ug/l #	7
82) 4-Chlorotoluene	11.095	91	2683	0.49	ug/l #	45
83) tert-Butylbenzene	11.475	119	8047	1.47	ug/l #	51
84) 1,2,4-Trimethylbenzene	11.475	105	69140	12.07	ug/l	99
85) sec-Butylbenzene	11.475	105	69140	10.76	ug/l #	56
86) p-Isopropyltoluene	11.799	119	2690	0.45	ug/l #	67
89) n-Butylbenzene	12.102	91	61387	11.08	ug/l #	43
90) Hexachloroethane	12.497	117	1002	0.90	ug/l #	6
95) Naphthalene	14.095	128	551391	79.31	ug/l	100

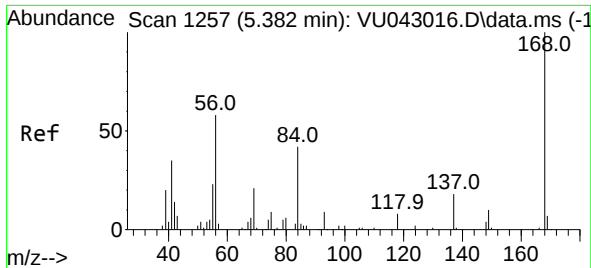
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041221\
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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

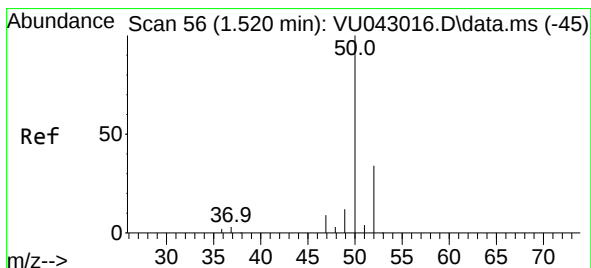
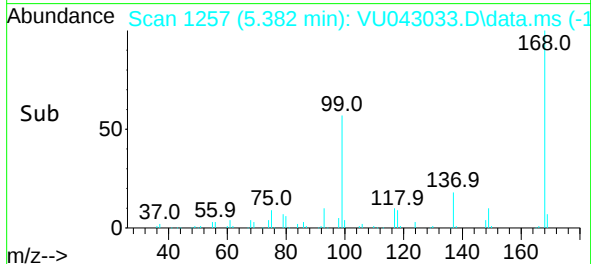
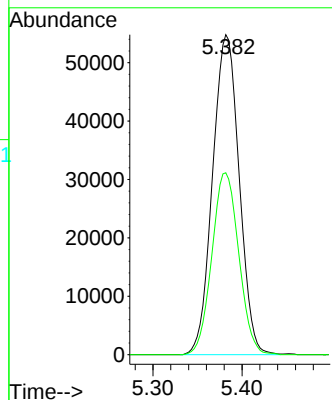
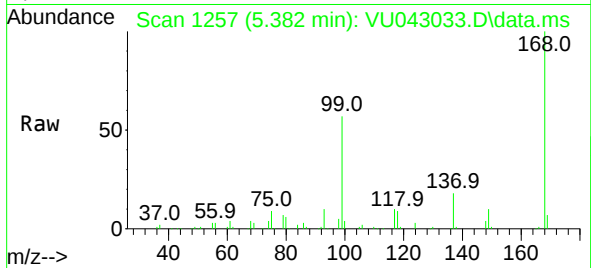




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

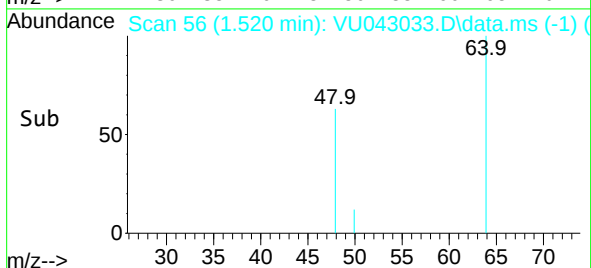
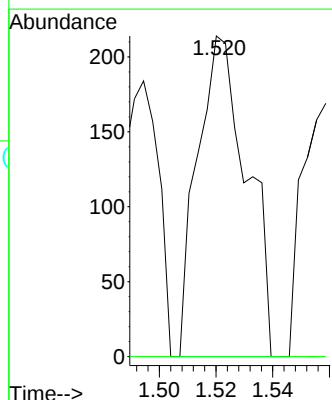
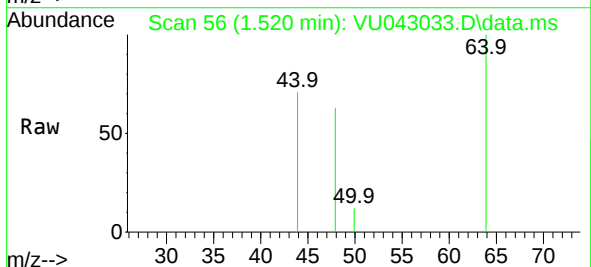
Instrument :
MSVOA_U
ClientSampled :
FS-SB9

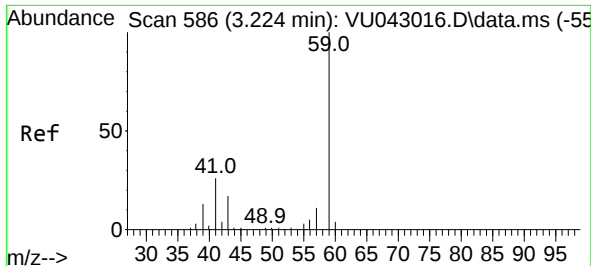
Tgt Ion:168 Resp: 113631
Ion Ratio Lower Upper
168 100
99 56.9 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

Tgt Ion: 50 Resp: 258
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

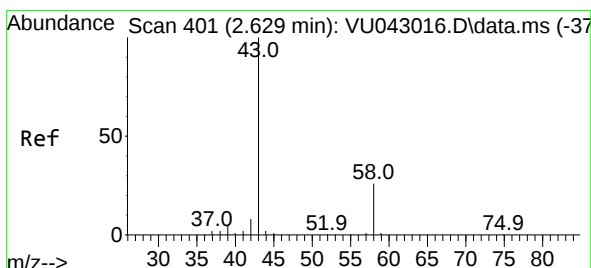
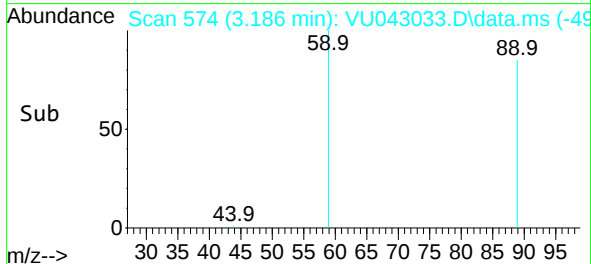
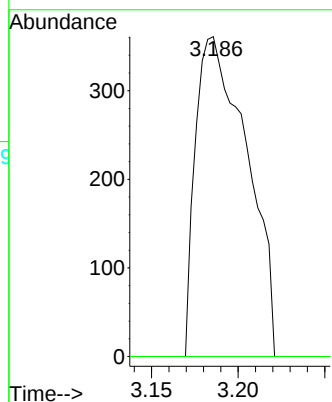
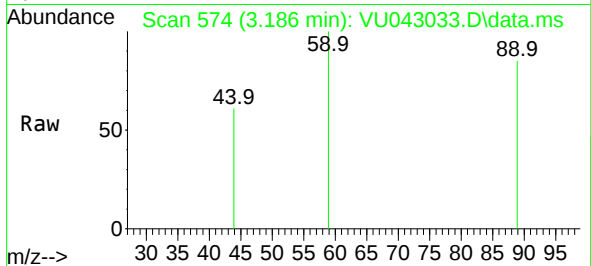




#11
Tert butyl alcohol
Concen: 1.51 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.038 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

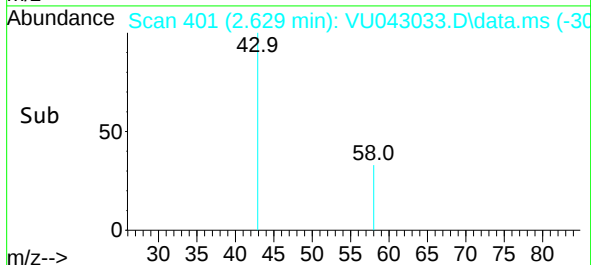
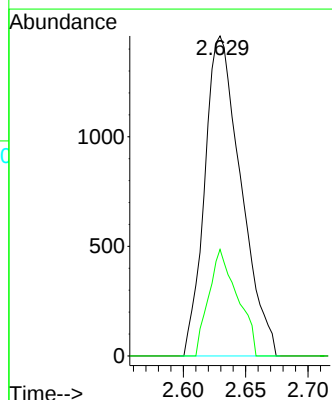
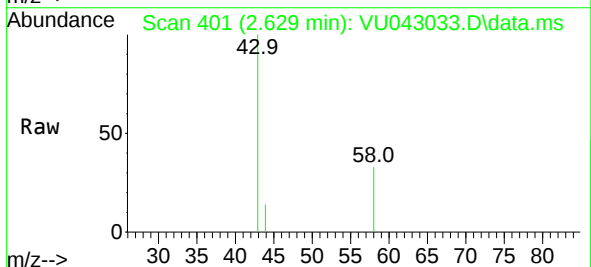
Instrument :
MSVOA_U
ClientSampleId :
FS-SB9

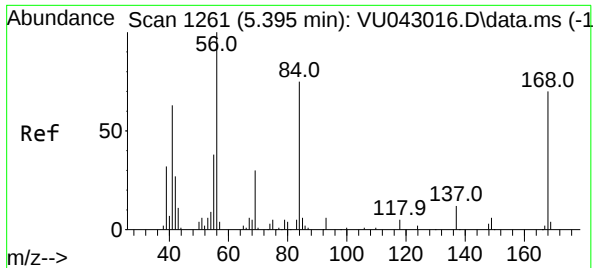
Tgt Ion: 59 Resp: 742
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#



#16
Acetone
Concen: 2.32 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

Tgt Ion: 43 Resp: 2951
Ion Ratio Lower Upper
43 100
58 33.3 21.5 32.3#

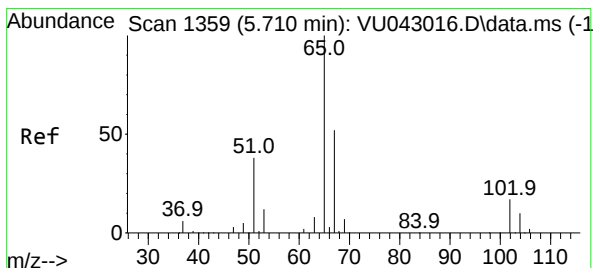
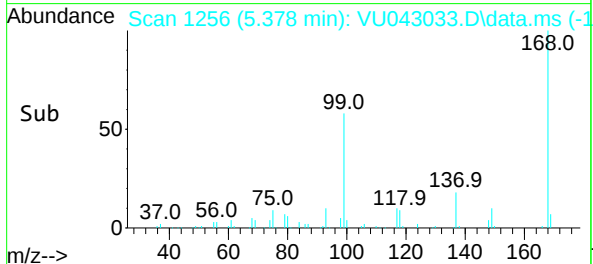
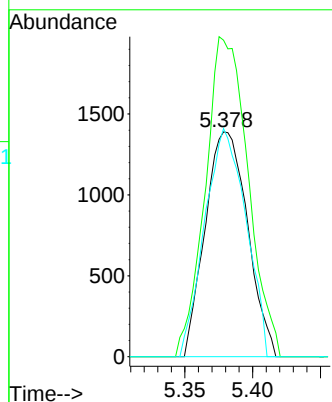
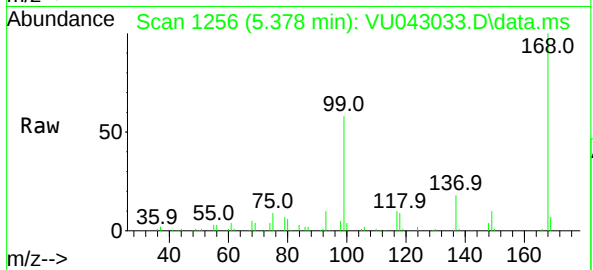




#31
Cyclohexane
Concen: 1.28 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.017 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

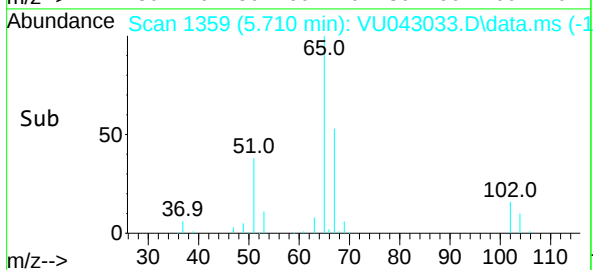
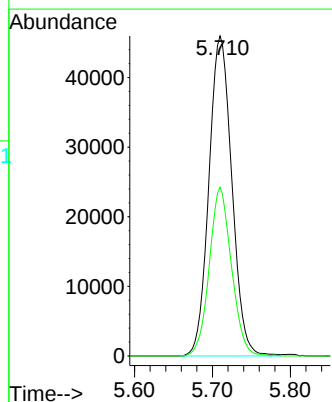
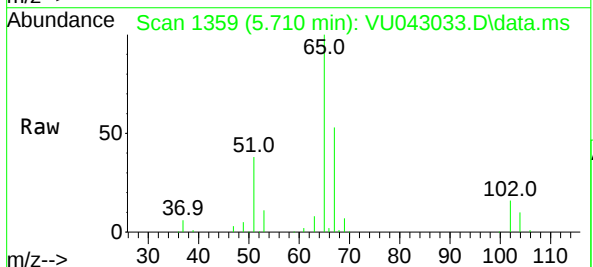
Instrument :
MSVOA_U
ClientSampleId :
FS-SB9

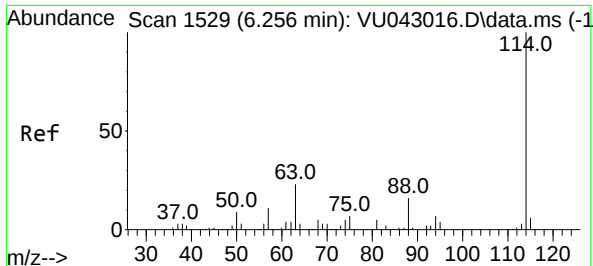
Tgt Ion: 56 Resp: 3013
Ion Ratio Lower Upper
56 100
69 140.7 24.9 37.3#
84 101.4 63.7 95.5#



#33
1,2-Dichloroethane-d4
Concen: 49.27 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

Tgt Ion: 65 Resp: 94116
Ion Ratio Lower Upper
65 100
67 50.9 0.0 99.8

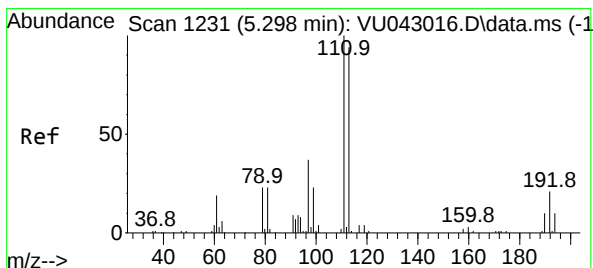
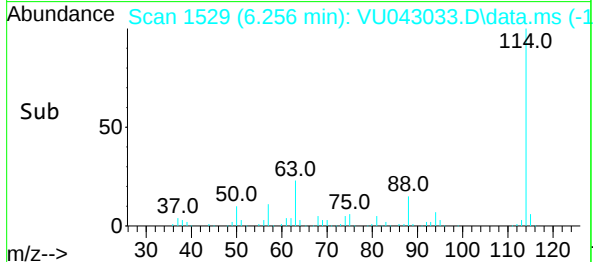
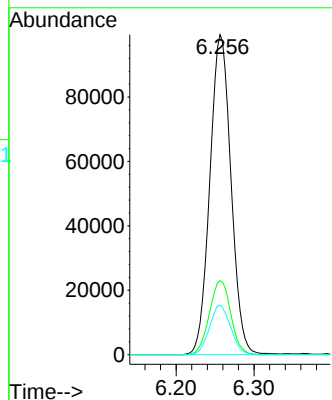
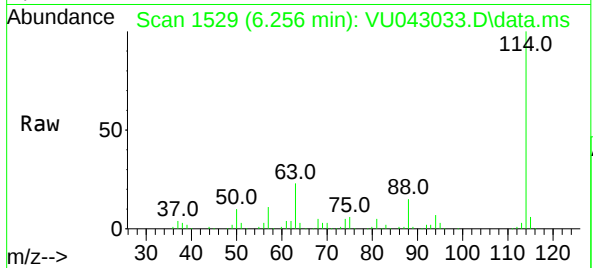




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

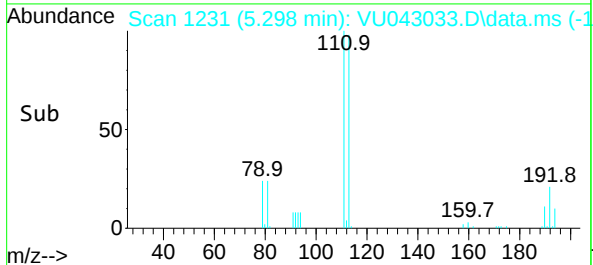
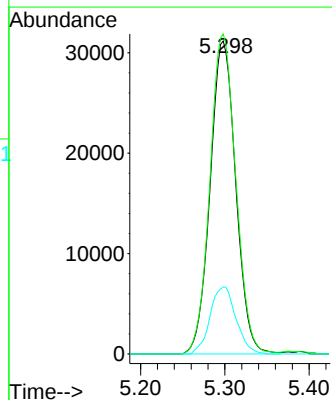
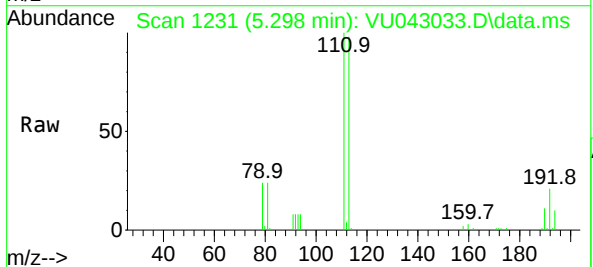
Instrument :
MSVOA_U
ClientSampled :
FS-SB9

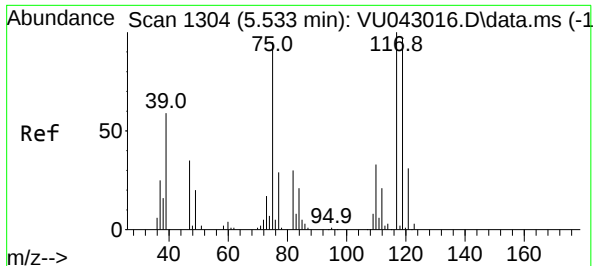
Tgt Ion:114 Resp: 187426
Ion Ratio Lower Upper
114 100
63 23.1 0.0 44.2
88 15.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 46.64 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

Tgt Ion:113 Resp: 65680
Ion Ratio Lower Upper
113 100
111 103.5 81.8 122.8
192 21.7 17.2 25.8





#36

1,1-Dichloropropene

Concen: 4.86 ug/l

RT: 5.382 min Scan# 1257

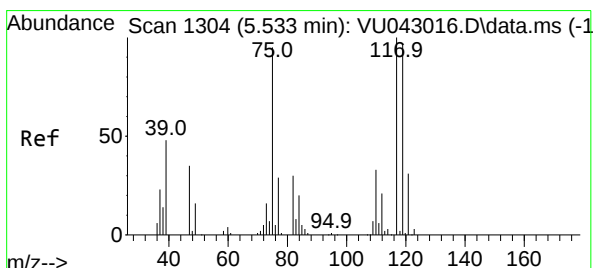
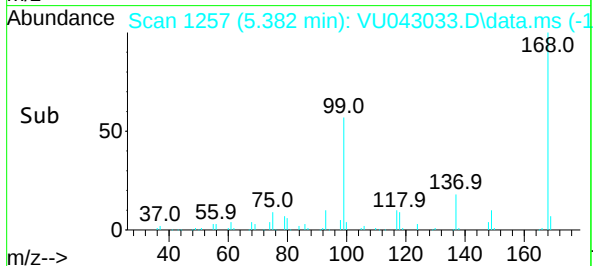
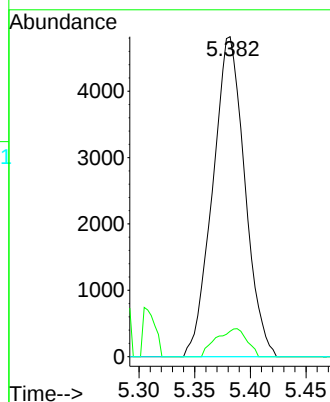
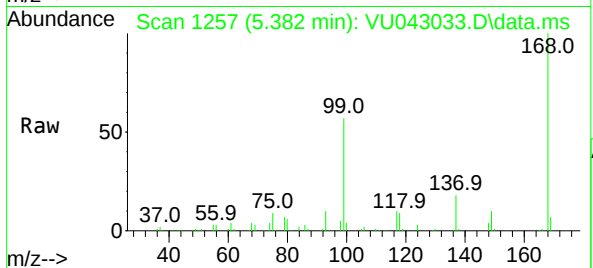
Delta R.T. -0.151 min

Lab File: VU043033.D

Acq: 12 Apr 2021 19:05

Tgt Ion:	75	Resp:	9661
Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.8	50.3#
77	0.0	24.8	37.2#

Instrument :
MSVOA_U
ClientSampled :
FS-SB9



#38

Carbon Tetrachloride

Concen: 5.49 ug/l

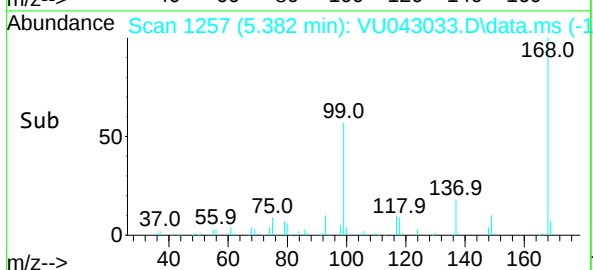
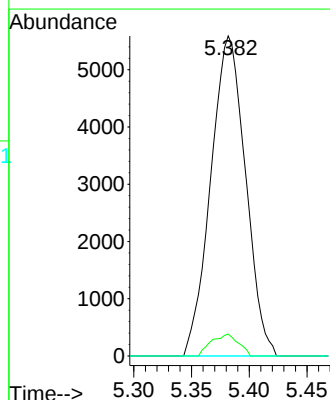
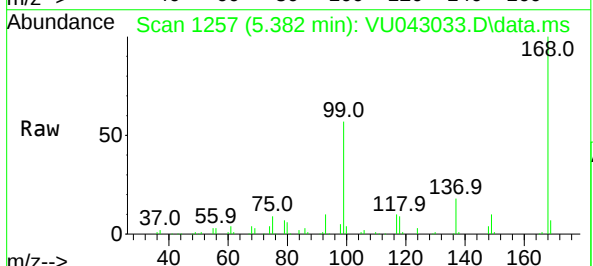
RT: 5.382 min Scan# 1257

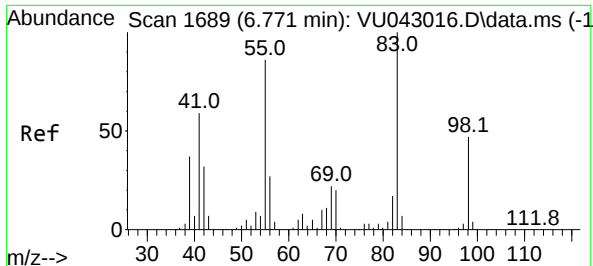
Delta R.T. -0.151 min

Lab File: VU043033.D

Acq: 12 Apr 2021 19:05

Tgt Ion:	117	Resp:	11714
Ion	Ratio	Lower	Upper
117	100		
119	6.9	75.5	113.3#
121	0.0	24.7	37.1#





#39

Methylcyclohexane

Concen: 0.39 ug/l

RT: 6.771 min Scan# 1689

Delta R.T. -0.000 min

Lab File: VU043033.D

Acq: 12 Apr 2021 19:05

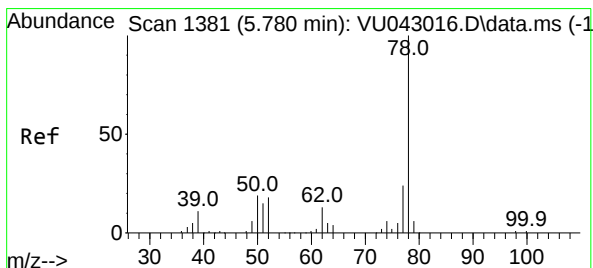
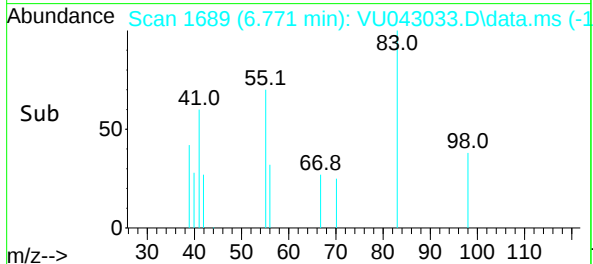
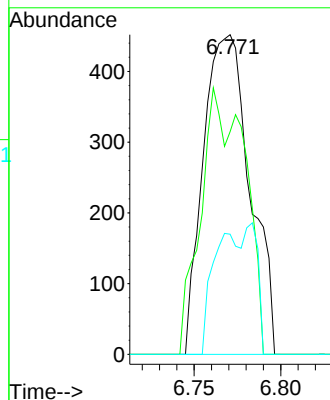
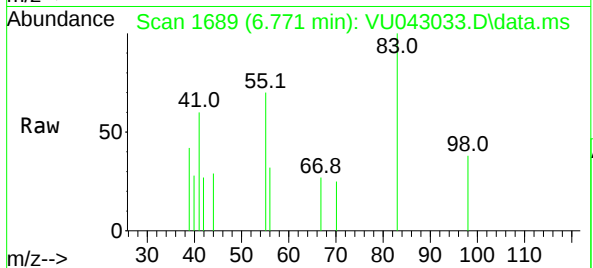
Instrument :

MSVOA_U

ClientSampleId :

FS-SB9

Tgt Ion:	83	Resp:	849
Ion	Ratio	Lower	Upper
83	100		
55	69.7	66.8	100.2
98	37.6	36.9	55.3



#40

Benzene

Concen: 13.85 ug/l

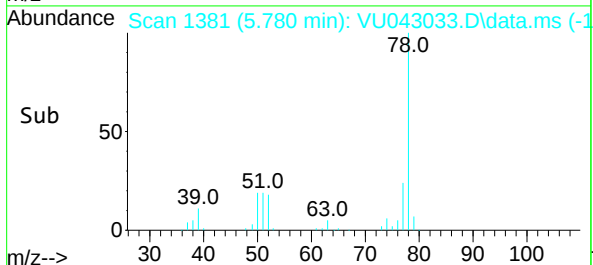
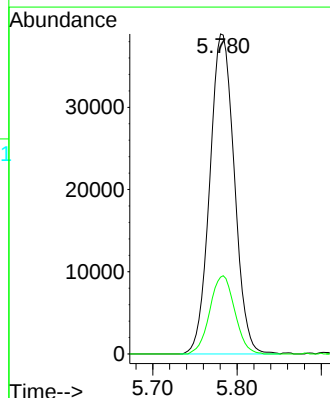
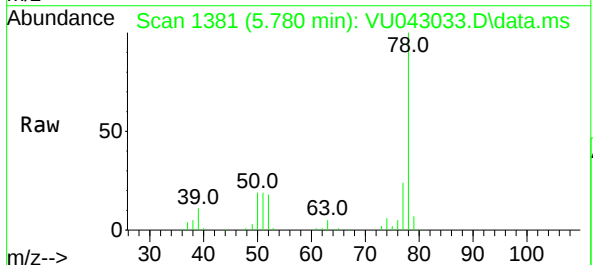
RT: 5.780 min Scan# 1381

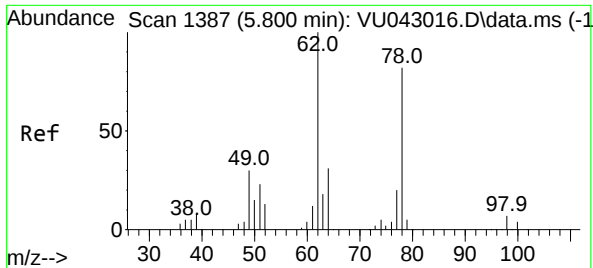
Delta R.T. 0.000 min

Lab File: VU043033.D

Acq: 12 Apr 2021 19:05

Tgt Ion:	78	Resp:	78669
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9

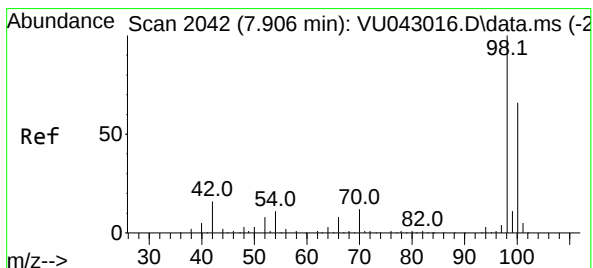
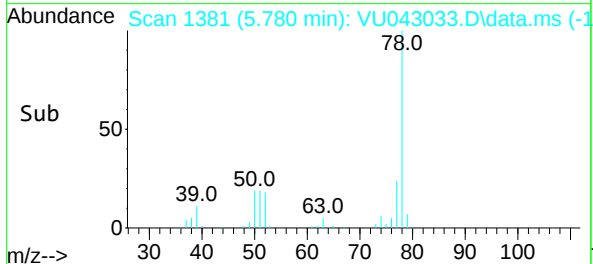
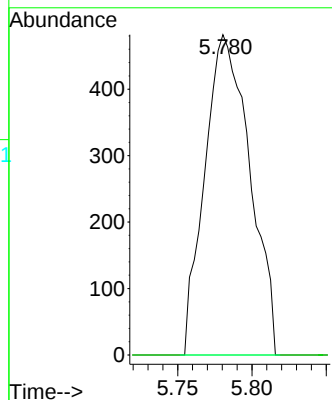
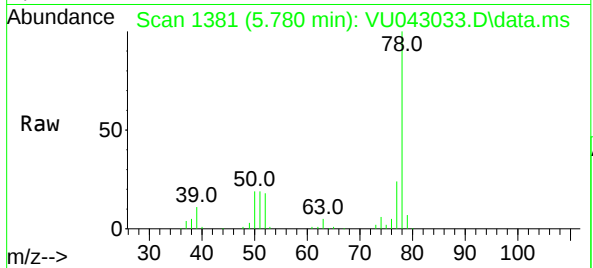




#42
1,2-Dichloroethane
Concen: 0.40 ug/l
RT: 5.780 min Scan# 1381
Delta R.T. -0.020 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

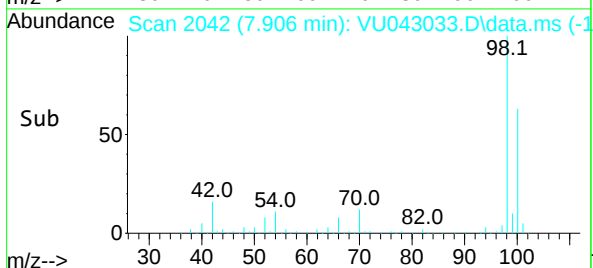
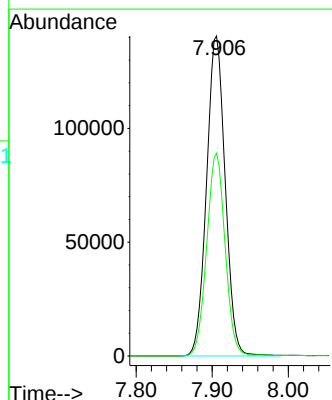
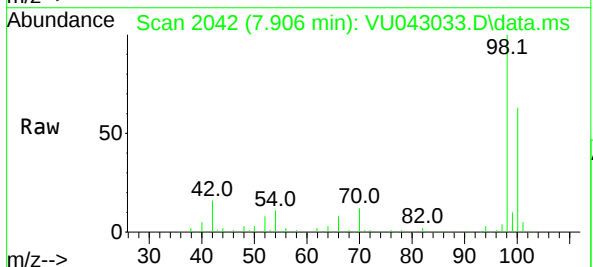
Instrument :
MSVOA_U
ClientSampled :
FS-SB9

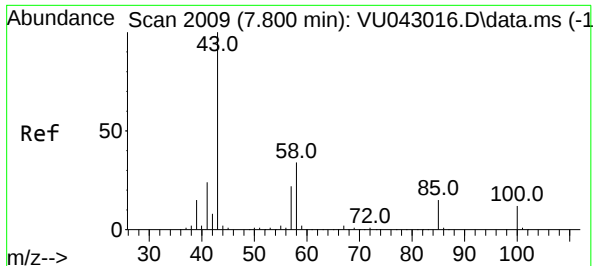
Tgt Ion: 62 Resp: 1019
Ion Ratio Lower Upper
62 100
98 0.0 0.0 14.8



#50
Toluene-d8
Concen: 48.05 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

Tgt Ion: 98 Resp: 239461
Ion Ratio Lower Upper
98 100
100 62.3 50.2 75.2

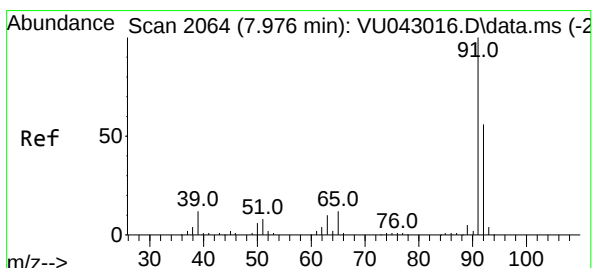
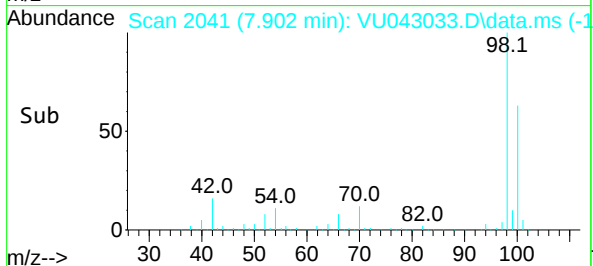
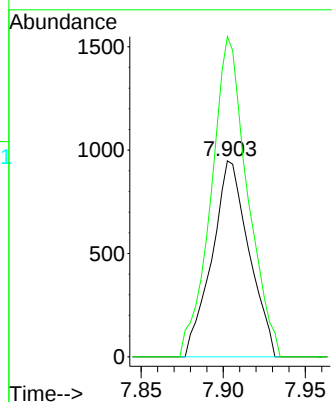
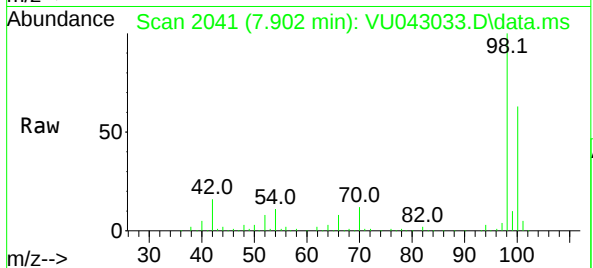




#51
4-Methyl-2-Pentanone
Concen: 0.41 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.103 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

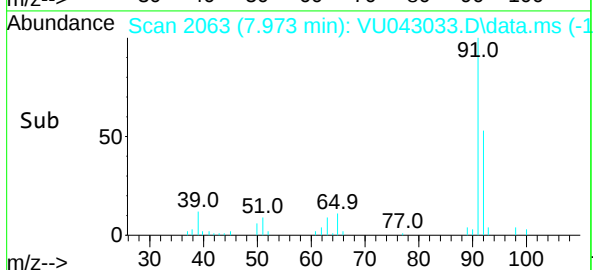
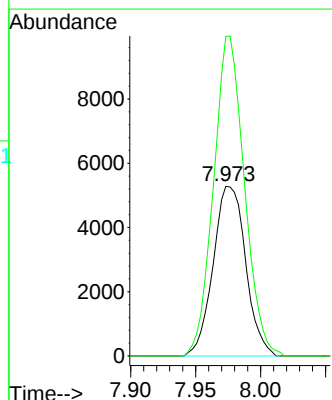
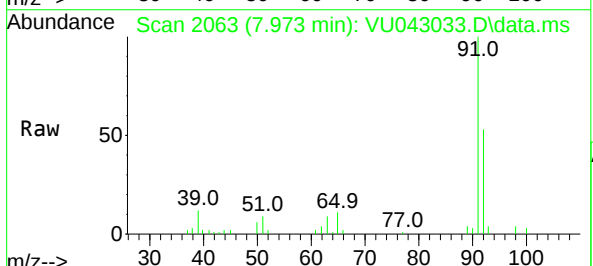
Instrument :
MSVOA_U
ClientSampled :
FS-SB9

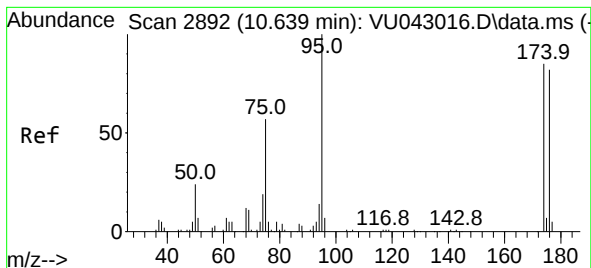
Tgt Ion: 43 Resp: 1481
Ion Ratio Lower Upper
43 100
58 160.8 28.1 42.1#



#52
Toluene
Concen: 2.61 ug/l
RT: 7.973 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

Tgt Ion: 92 Resp: 9188
Ion Ratio Lower Upper
92 100
91 178.9 140.3 210.5

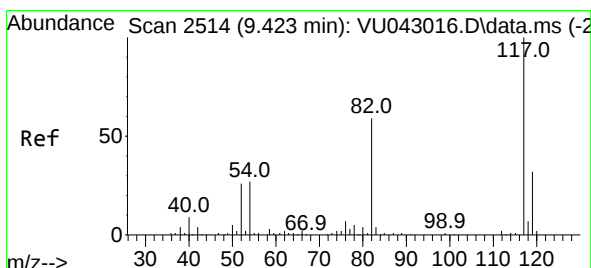
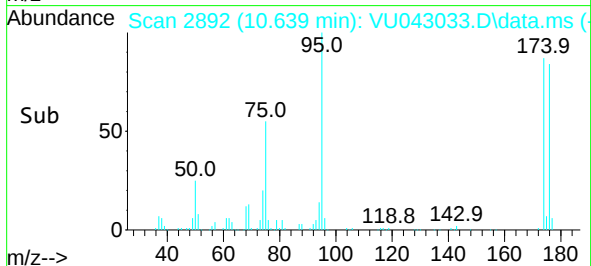
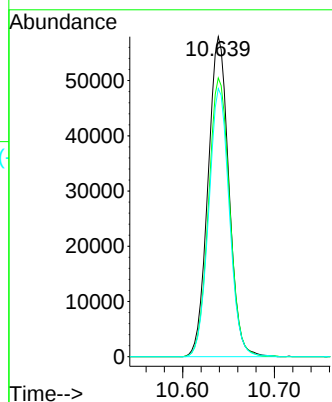
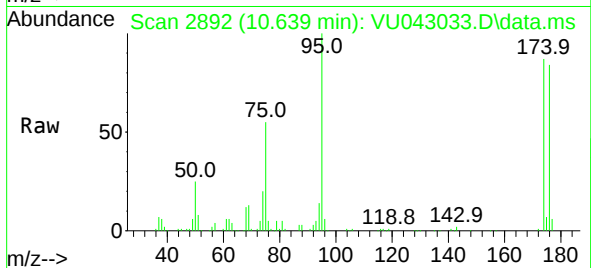




#62
4-Bromofluorobenzene
Concen: 45.80 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

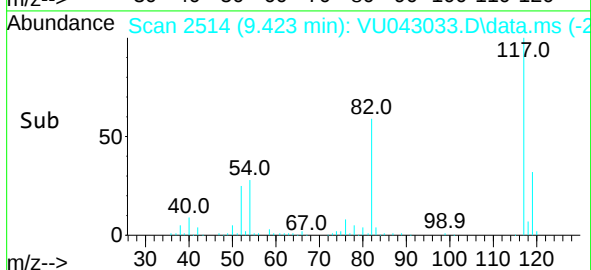
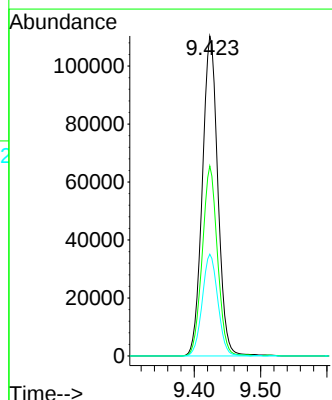
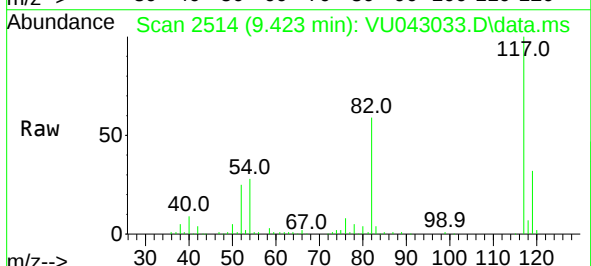
Instrument :
MSVOA_U
ClientSampleId :
FS-SB9

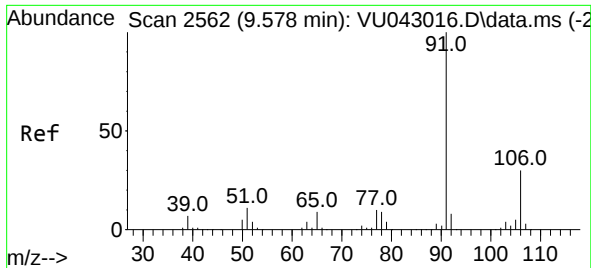
Tgt Ion: 95 Resp: 91407
Ion Ratio Lower Upper
95 100
174 88.1 0.0 172.2
176 82.9 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

Tgt Ion: 117 Resp: 179359
Ion Ratio Lower Upper
117 100
82 59.4 45.8 68.6
119 31.8 25.8 38.8

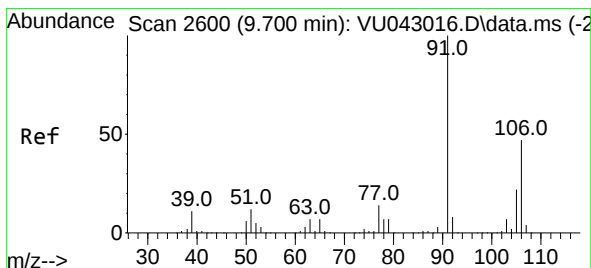
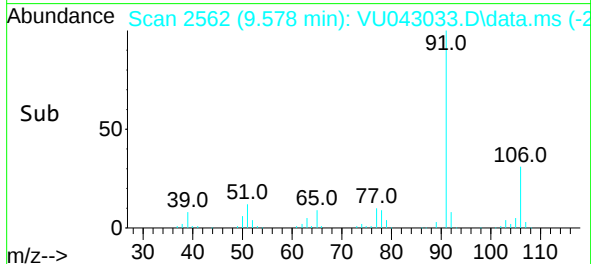
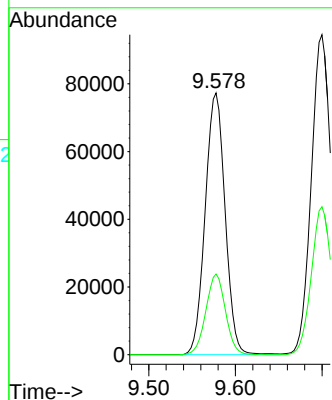
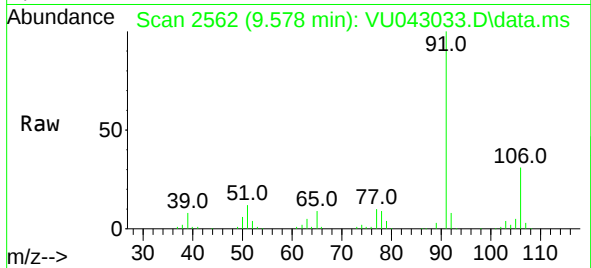




#67
Ethyl Benzene
Concen: 17.80 ug/l
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

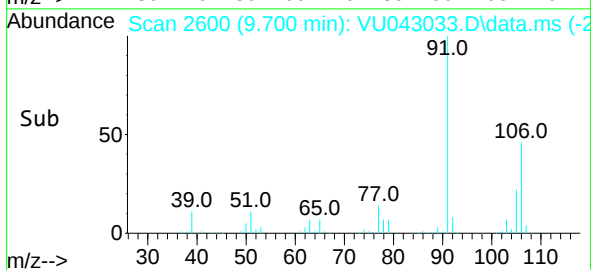
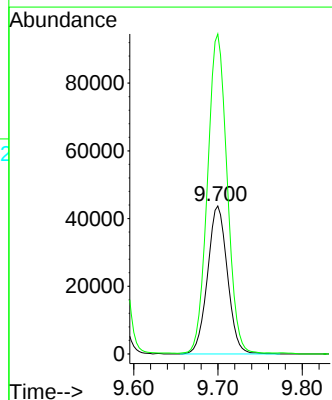
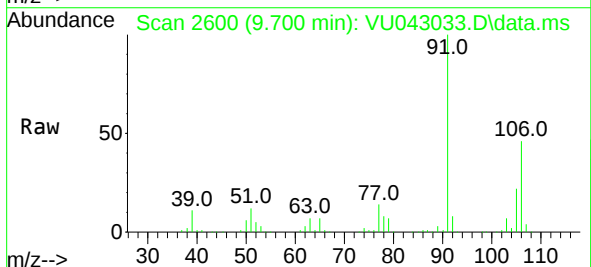
Instrument :
MSVOA_U
ClientSampled :
FS-SB9

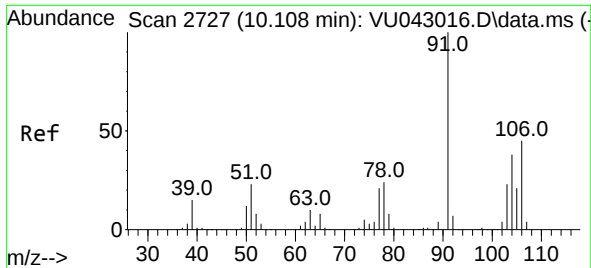
Tgt Ion: 91 Resp: 123596
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1



#68
m/p-Xylenes
Concen: 27.97 ug/l
RT: 9.700 min Scan# 2600
Delta R.T. -0.000 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

Tgt Ion: 106 Resp: 71839
Ion Ratio Lower Upper
106 100
91 212.6 169.9 254.9

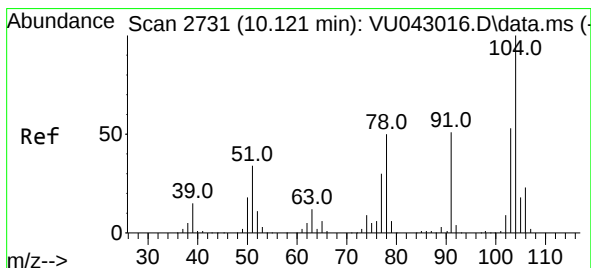
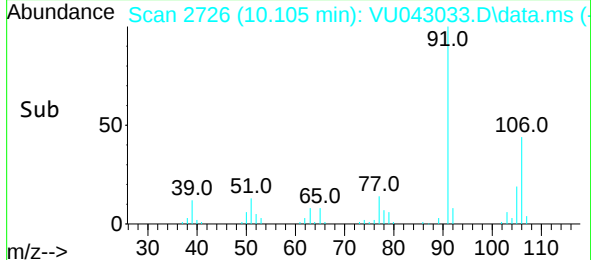
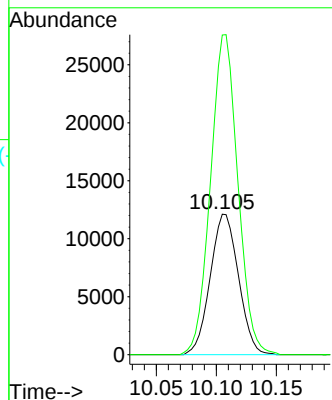
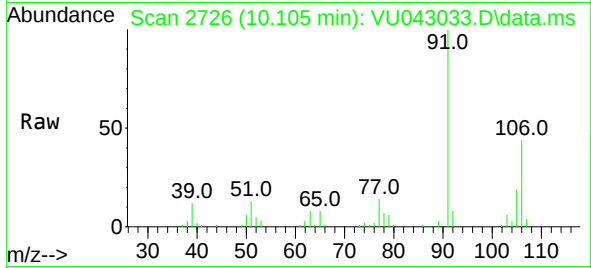




#69
o-Xylene
Concen: 7.92 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

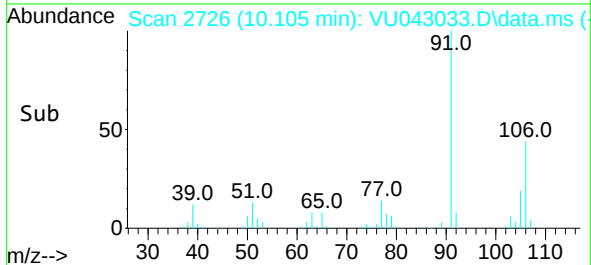
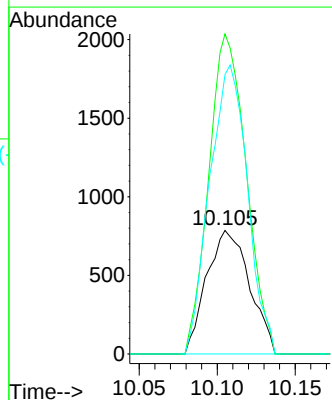
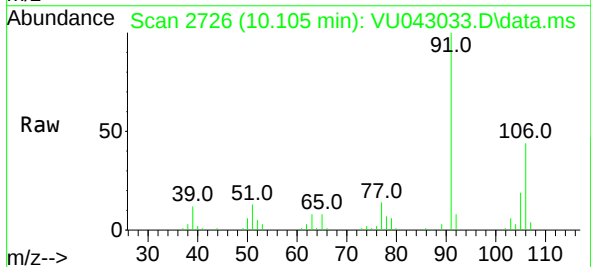
Instrument :
MSVOA_U
ClientSampleId :
FS-SB9

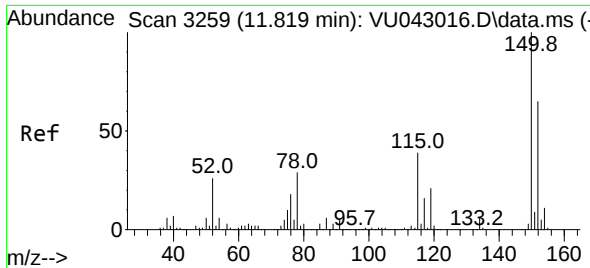
Tgt Ion:106 Resp: 19845
Ion Ratio Lower Upper
106 100
91 220.5 111.2 333.6



#70
Styrene
Concen: 0.36 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. -0.016 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

Tgt Ion:104 Resp: 1502
Ion Ratio Lower Upper
104 100
78 225.9 44.8 67.2#
103 207.1 45.7 68.5#

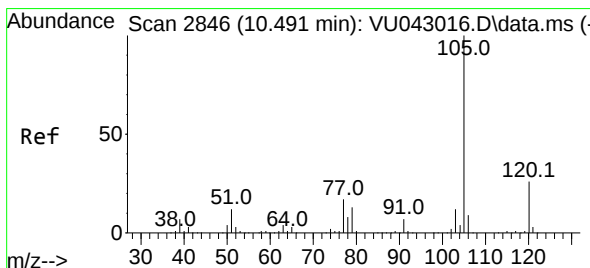
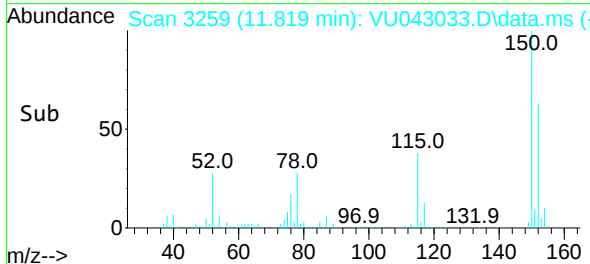
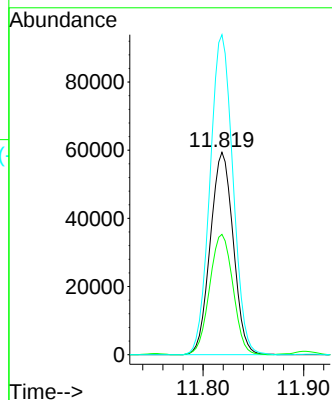
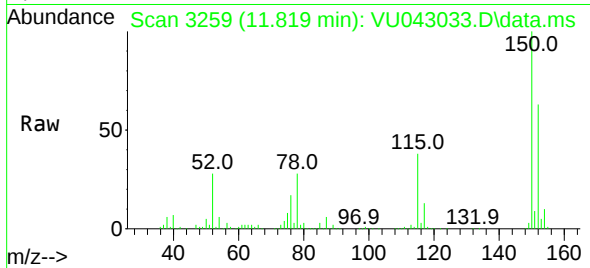




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

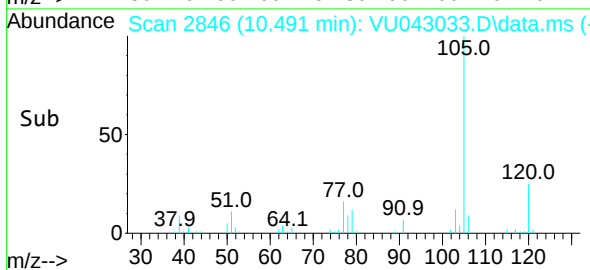
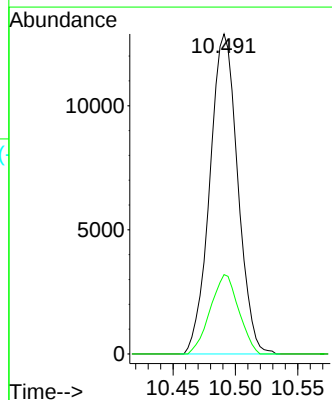
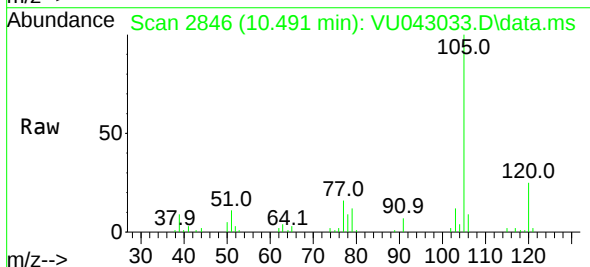
Instrument :
MSVOA_U
ClientSampled :
FS-SB9

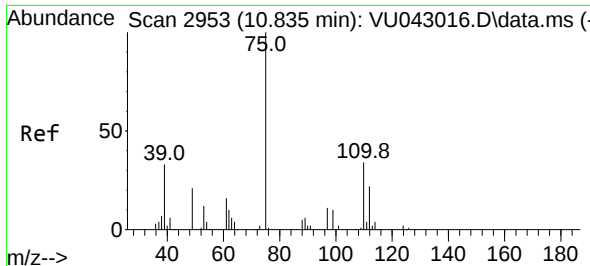
Tgt Ion:152 Resp: 94098
Ion Ratio Lower Upper
152 100
115 60.6 41.5 124.6
150 158.4 0.0 342.4



#73
Isopropylbenzene
Concen: 3.19 ug/l
RT: 10.491 min Scan# 2846
Delta R.T. -0.000 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

Tgt Ion:105 Resp: 20132
Ion Ratio Lower Upper
105 100
120 25.1 13.1 39.3

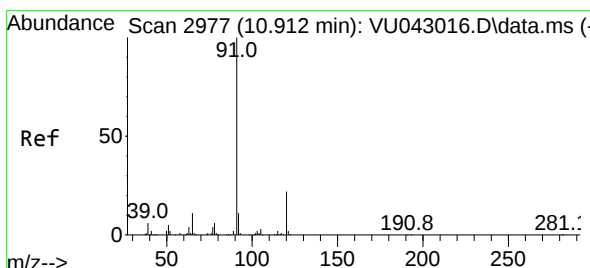
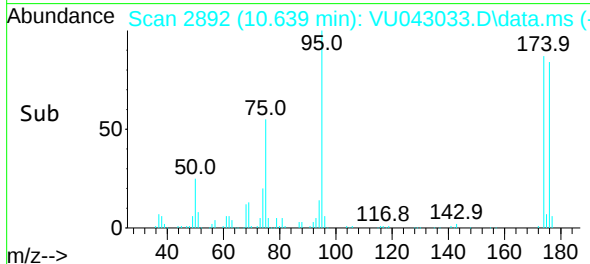
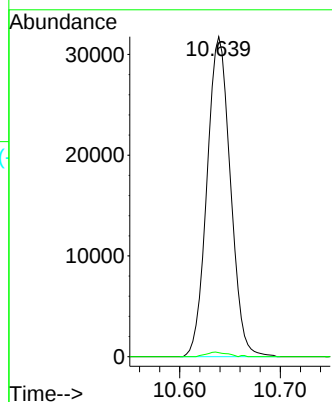
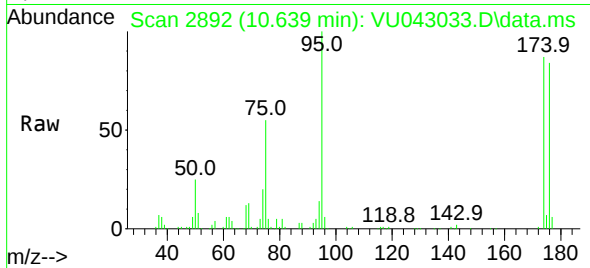




#76
1,2,3-Trichloropropane
Concen: 18.71 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

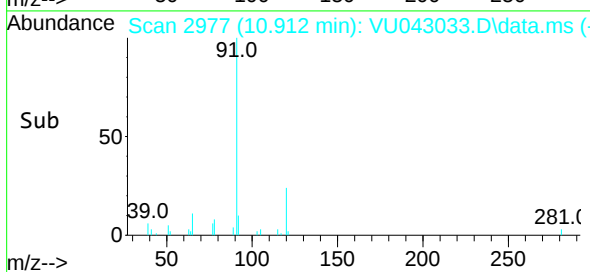
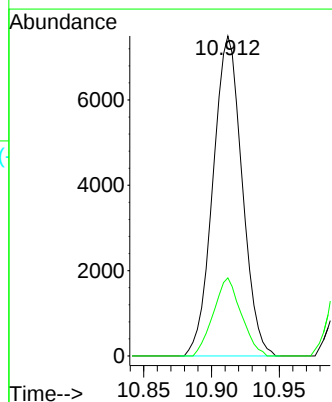
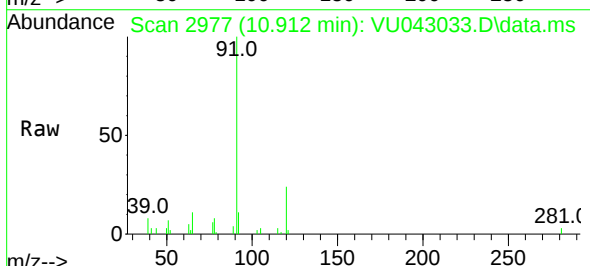
Instrument :
MSVOA_U
ClientSampled :
FS-SB9

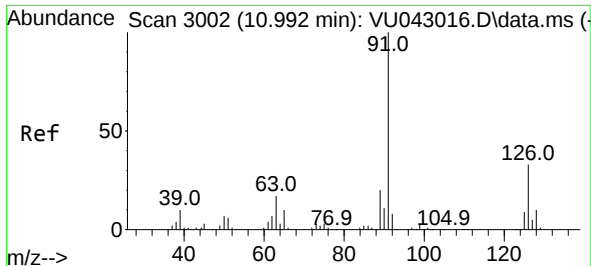
Tgt Ion: 75 Resp: 51458
Ion Ratio Lower Upper
75 100
77 1.3 20.2 60.5#



#78
n-propylbenzene
Concen: 1.48 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. 0.000 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

Tgt Ion: 91 Resp: 11198
Ion Ratio Lower Upper
91 100
120 23.3 11.2 33.6

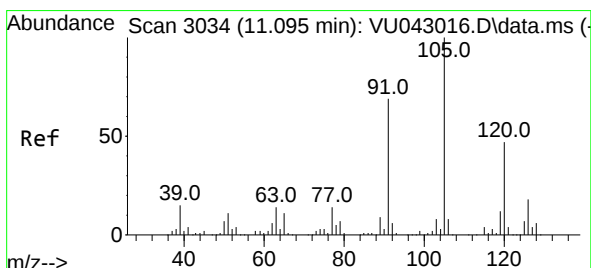
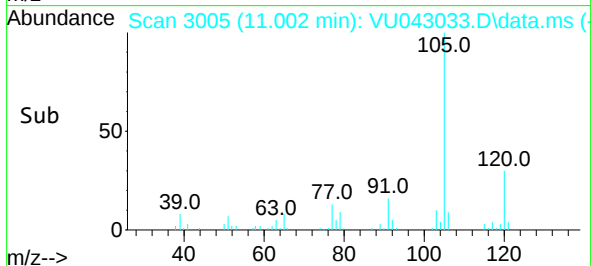
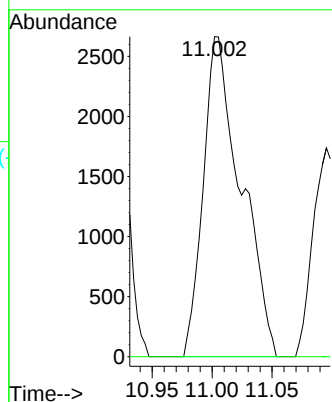
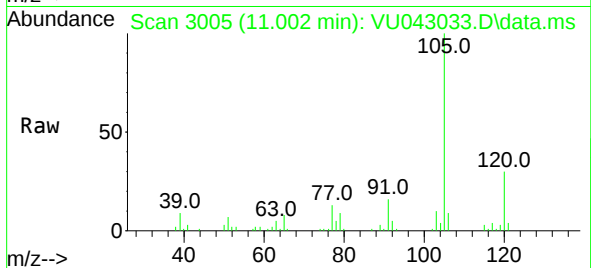




#79
2-Chlorotoluene
Concen: 1.27 ug/l
RT: 11.002 min Scan# 3005
Delta R.T. 0.010 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

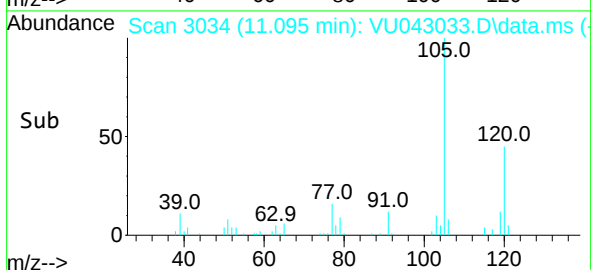
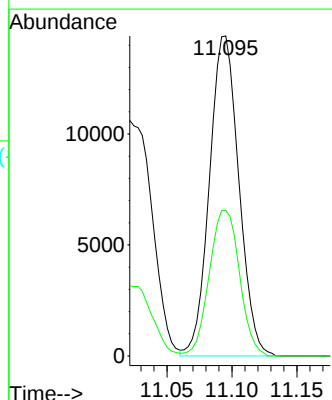
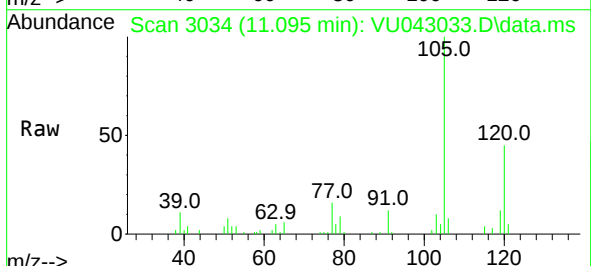
Instrument :
MSVOA_U
ClientSampled :
FS-SB9

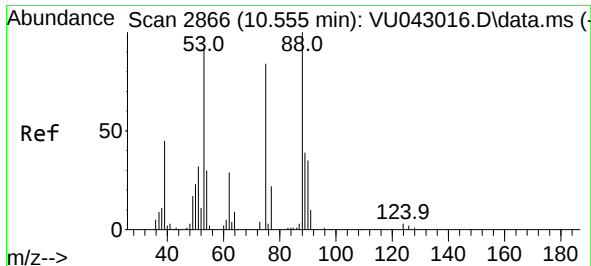
Tgt Ion: 91 Resp: 5833
Ion Ratio Lower Upper
91 100
126 0.0 16.7 50.0#



#80
1,3,5-Trimethylbenzene
Concen: 4.07 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. 0.000 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

Tgt Ion: 105 Resp: 22674
Ion Ratio Lower Upper
105 100
120 46.8 23.8 71.4

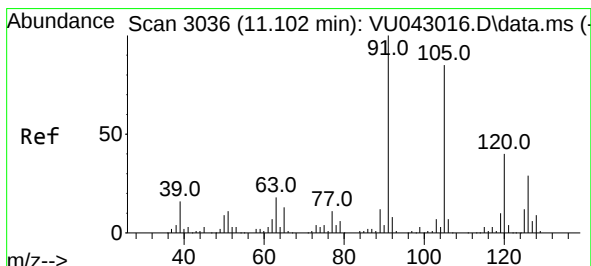
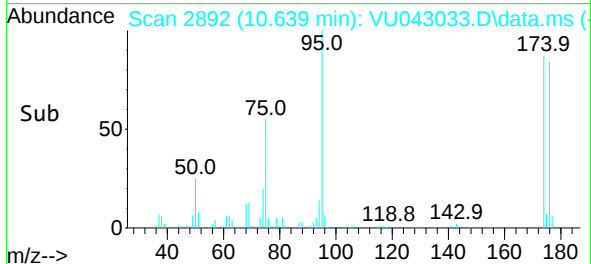
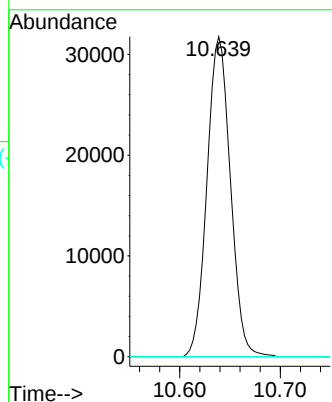
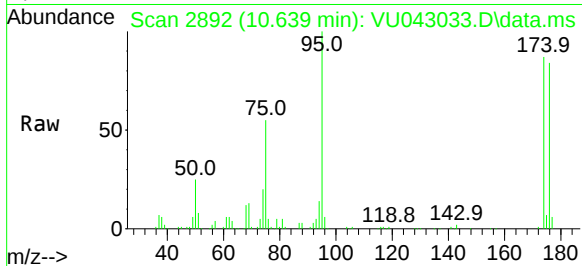




#81
trans-1,4-Dichloro-2-butene
Concen: 54.99 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

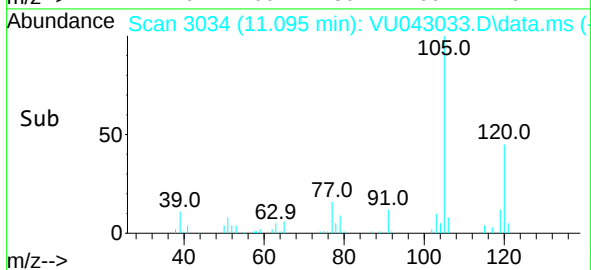
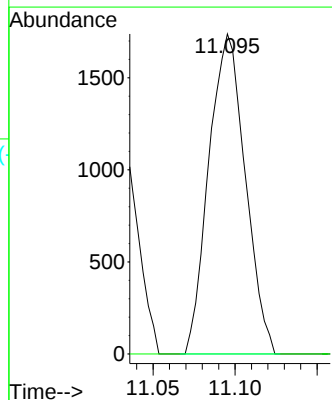
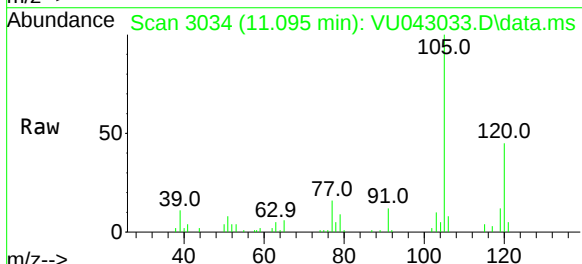
Instrument :
MSVOA_U
ClientSampleId :
FS-SB9

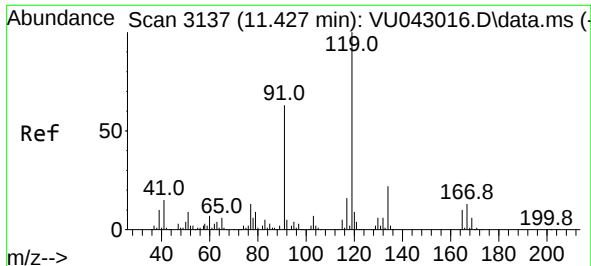
Tgt Ion: 75 Resp: 51458
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#



#82
4-Chlorotoluene
Concen: 0.49 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. -0.007 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

Tgt Ion: 91 Resp: 2683
Ion Ratio Lower Upper
91 100
126 0.0 14.6 44.0#

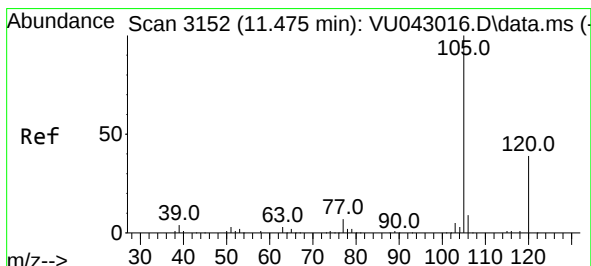
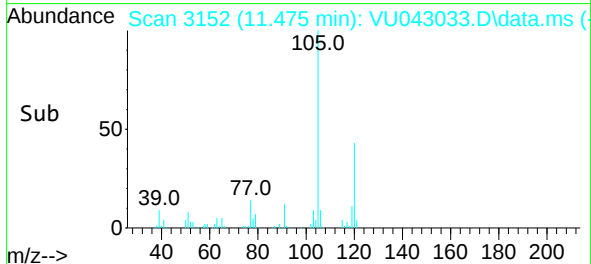
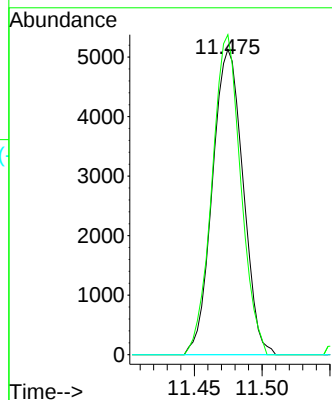
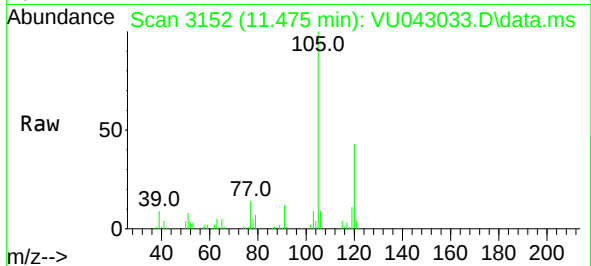




#83
tert-Butylbenzene
Concen: 1.47 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. 0.048 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

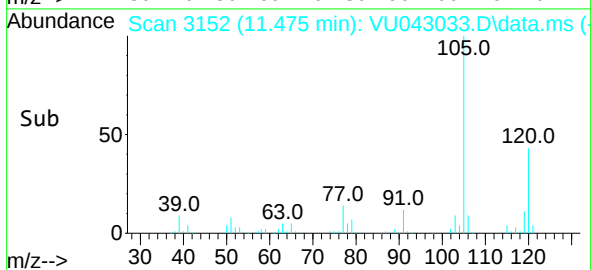
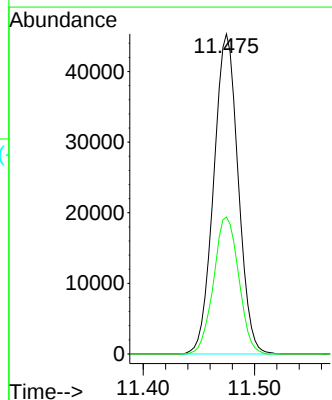
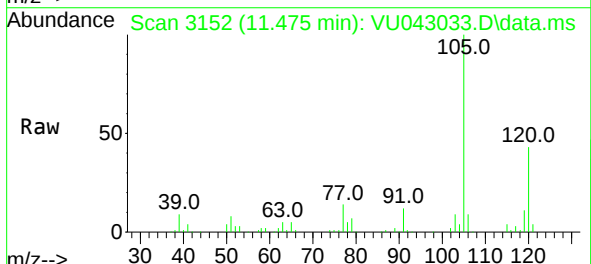
Instrument :
MSVOA_U
ClientSampleId :
FS-SB9

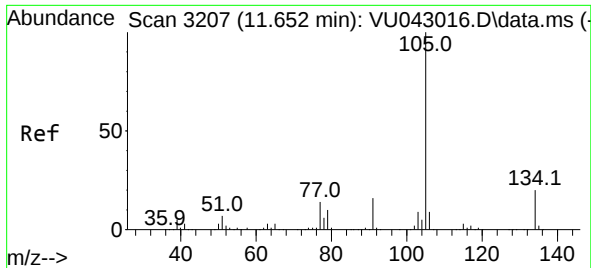
Tgt Ion:119 Resp: 8047
Ion Ratio Lower Upper
119 100
91 98.6 30.3 90.9#
134 0.0 11.4 34.1#



#84
1,2,4-Trimethylbenzene
Concen: 12.07 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

Tgt Ion:105 Resp: 69140
Ion Ratio Lower Upper
105 100
120 43.9 22.3 66.8

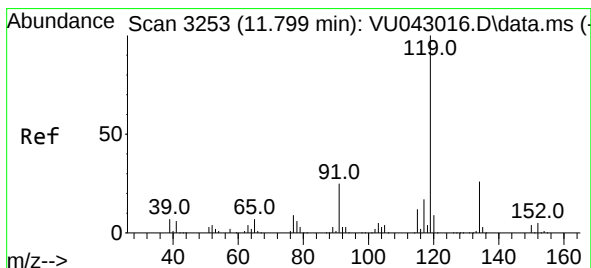
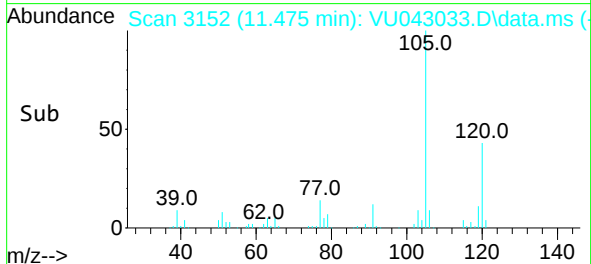
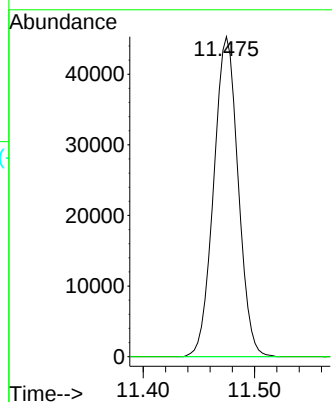
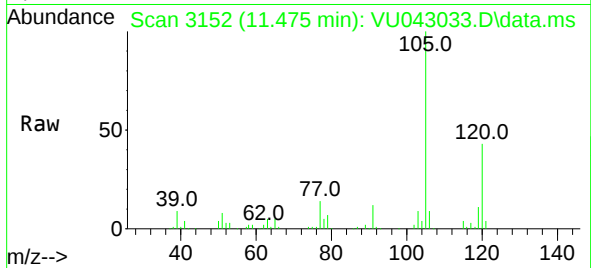




#85
 sec-Butylbenzene
 Concen: 10.76 ug/l
 RT: 11.475 min Scan# 3152
 Delta R.T. -0.177 min
 Lab File: VU043033.D
 Acq: 12 Apr 2021 19:05

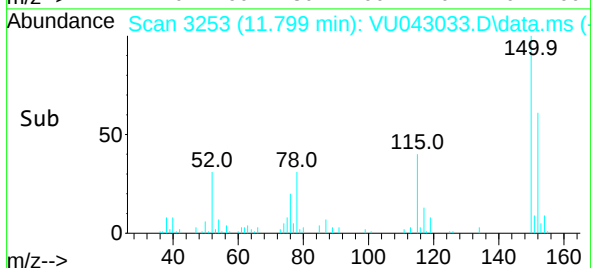
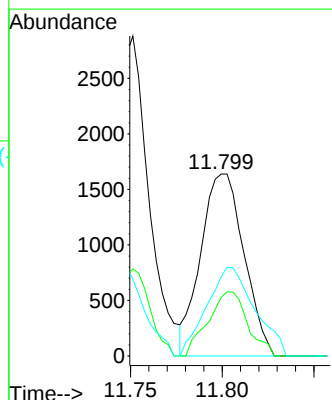
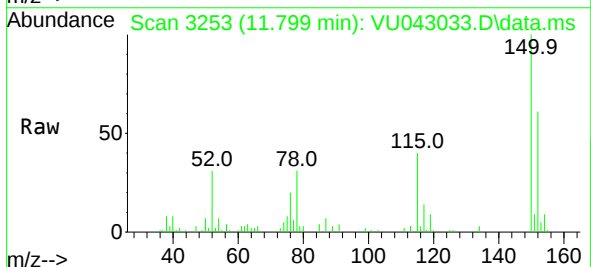
Instrument :
 MSVOA_U
 ClientSampleId :
 FS-SB9

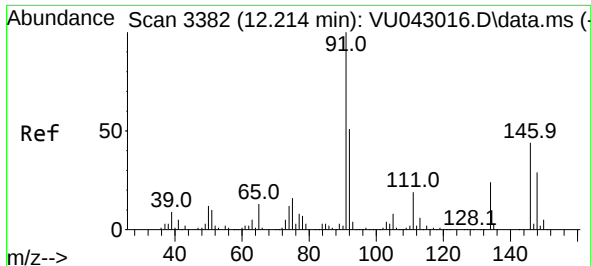
Tgt Ion:105 Resp: 69140
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 30.0#



#86
 p-Isopropyltoluene
 Concen: 0.45 ug/l
 RT: 11.799 min Scan# 3253
 Delta R.T. 0.000 min
 Lab File: VU043033.D
 Acq: 12 Apr 2021 19:05

Tgt Ion:119 Resp: 2690
 Ion Ratio Lower Upper
 119 100
 134 32.2 13.2 39.6
 91 53.9 12.8 38.3#

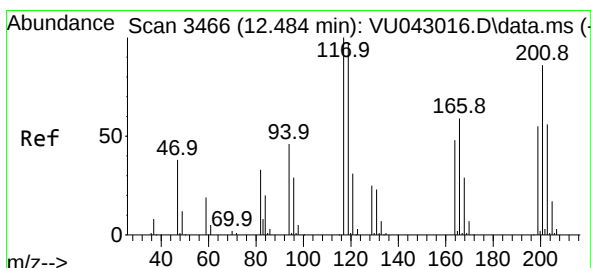
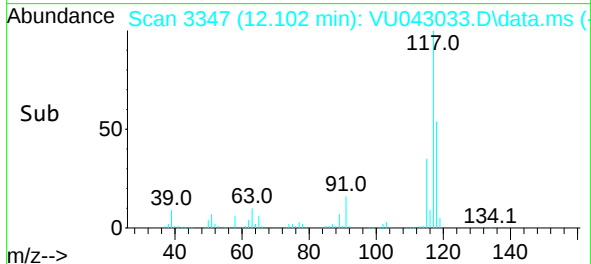
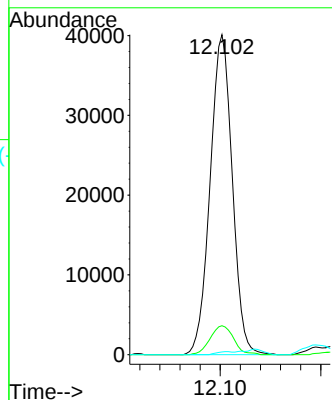
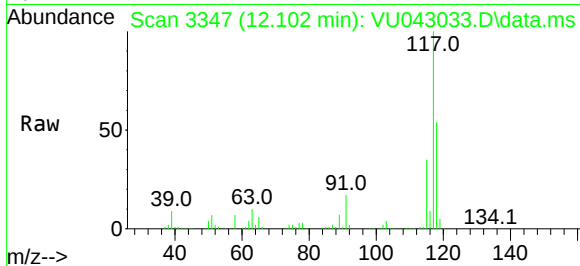




#89
n-Butylbenzene
Concen: 11.08 ug/l
RT: 12.102 min Scan# 3347
Delta R.T. -0.112 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

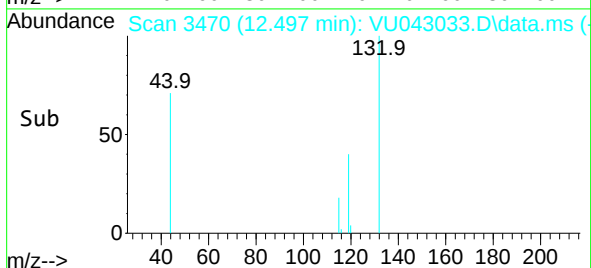
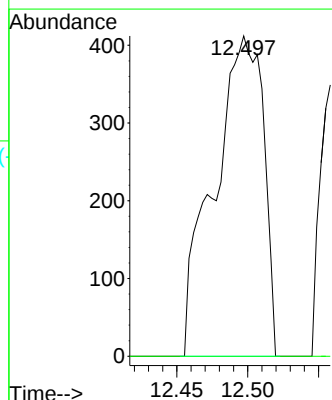
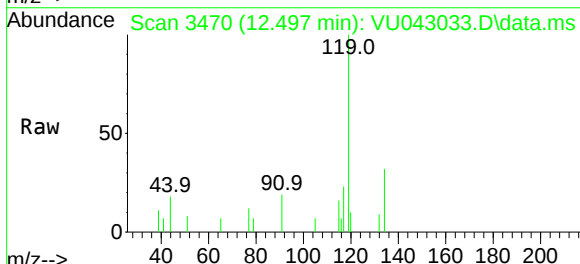
Instrument :
MSVOA_U
ClientSampleId :
FS-SB9

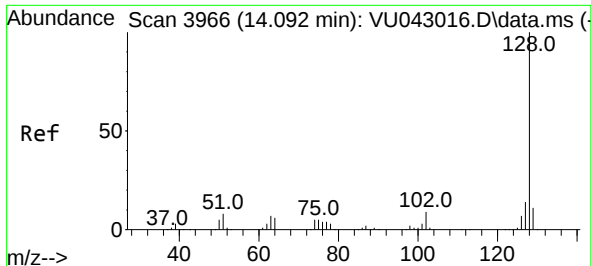
Tgt Ion: 91 Resp: 61387
Ion Ratio Lower Upper
91 100
92 9.6 26.2 78.6#
134 0.6 12.7 38.1#



#90
Hexachloroethane
Concen: 0.90 ug/l
RT: 12.497 min Scan# 3470
Delta R.T. 0.013 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

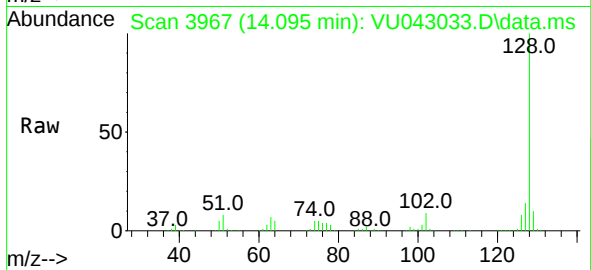
Tgt Ion: 117 Resp: 1002
Ion Ratio Lower Upper
117 100
201 0.0 43.5 130.7#





#95
Naphthalene
Concen: 79.31 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU043033.D
Acq: 12 Apr 2021 19:05

Instrument :
MSVOA_U
ClientSampleId :
FS-SB9



Tgt Ion:128 Resp: 551391
Ion Ratio Lower Upper
128 100
127 13.5 10.8 16.2
129 10.7 8.6 13.0

