

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044945.D
 Acq On : 28 Sep 2021 16:43
 Operator : SY/MD
 Sample : M3953-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SW-RR-03-(SA)

Quant Time: Sep 28 17:19:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

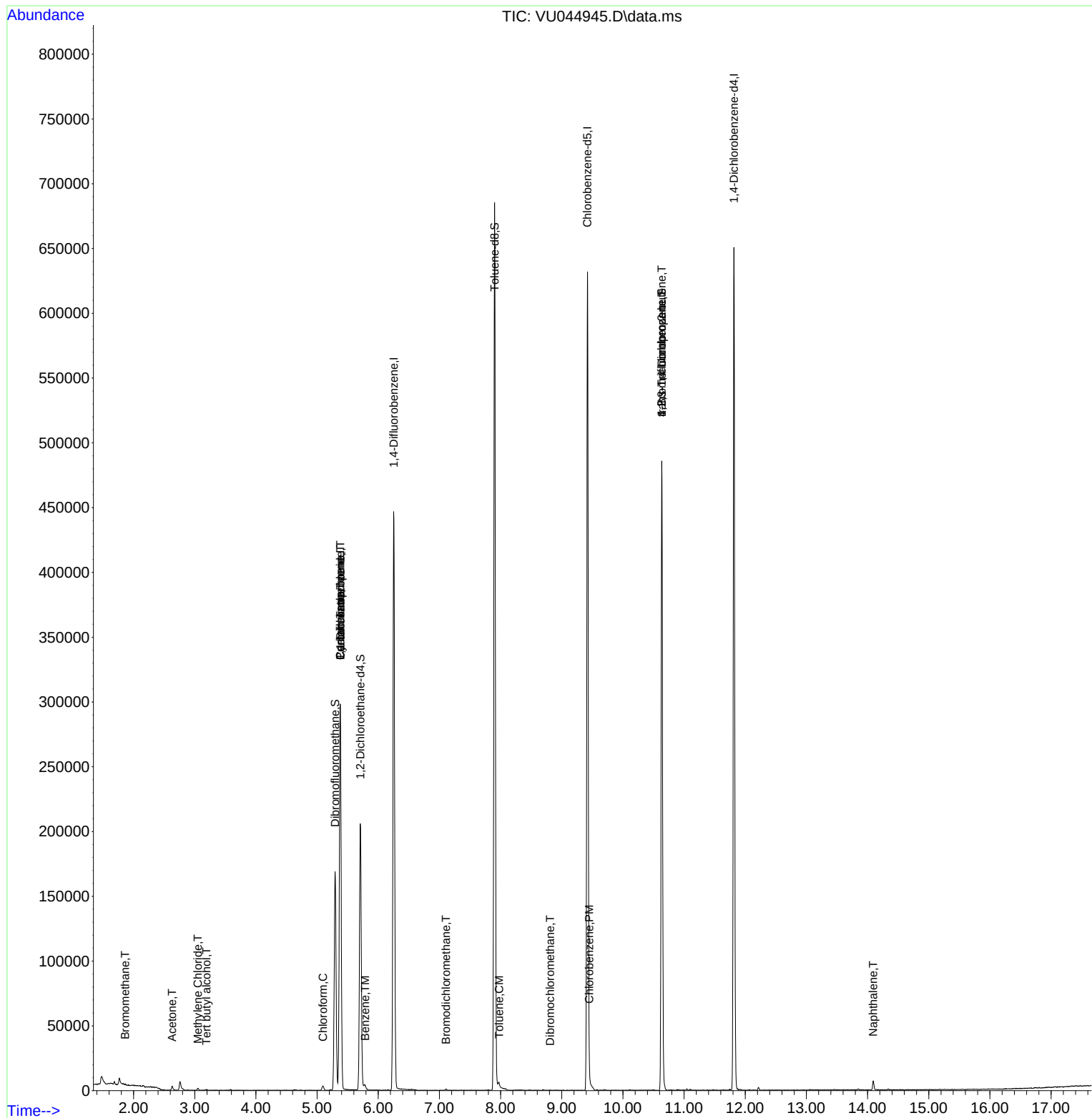
Internal Standards						
1) Pentafluorobenzene	5.378	168	197796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	347689	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	326792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	156194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	155771	47.310	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.620%		
35) Dibromofluoromethane	5.295	113	109250	49.810	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.620%		
50) Toluene-d8	7.902	98	442627	51.075	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.140%		
62) 4-Bromofluorobenzene	10.635	95	161915	45.254	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.500%		
Target Compounds						Qvalue
5) Bromomethane	1.861	94	393	0.316	ug/l	87
11) Tert butyl alcohol	3.192	59	432	0.457	ug/l #	72
16) Acetone	2.629	43	3658	1.872	ug/l	95
20) Methylene Chloride	3.050	84	734	0.249	ug/l #	85
30) Chloroform	5.095	83	3226	0.629	ug/l	98
31) Cyclohexane	5.378	56	5371	1.074	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	18019	4.956	ug/l #	50
38) Carbon Tetrachloride	5.378	117	20824	6.619	ug/l #	15
40) Benzene	5.787	78	2806	0.259	ug/l #	86
47) Bromodichloromethane	7.108	83	916	0.244	ug/l #	79
52) Toluene	7.976	92	1436	0.212	ug/l	94
60) Dibromochloromethane	8.812	129	103	2.209	ug/l	85
65) Chlorobenzene	9.449	112	1942	0.283	ug/l	98
76) 1,2,3-Trichloropropane	10.635	75	88065	19.330	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	88065	53.644	ug/l #	9
95) Naphthalene	14.092	128	6395	0.555	ug/l	98

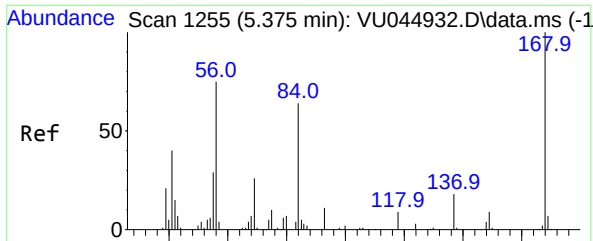
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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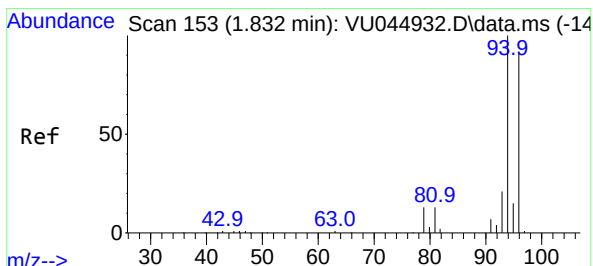
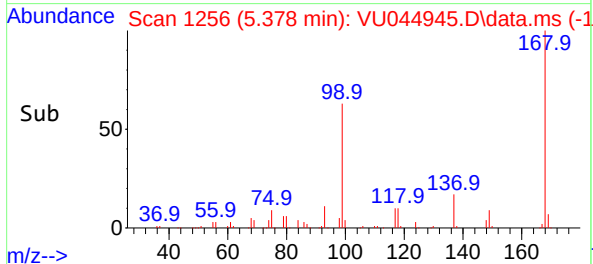
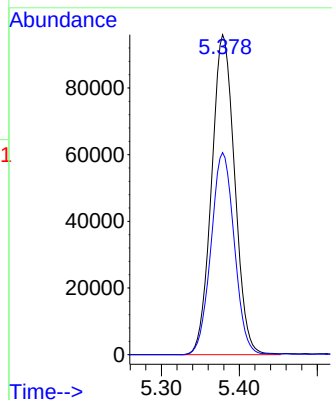
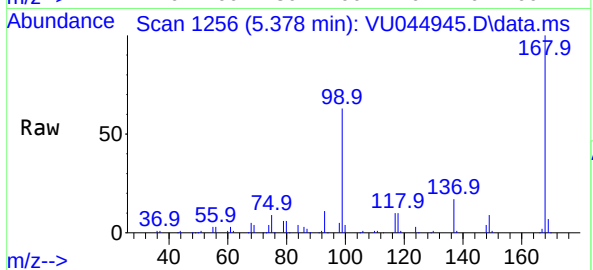




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU044945.D
Acq: 28 Sep 2021 16:43

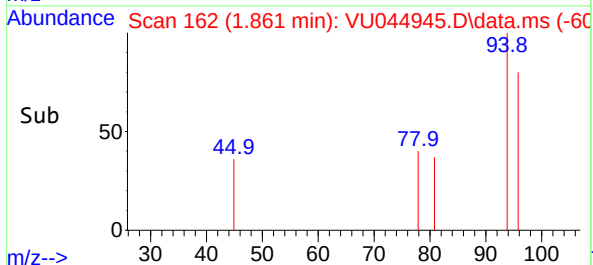
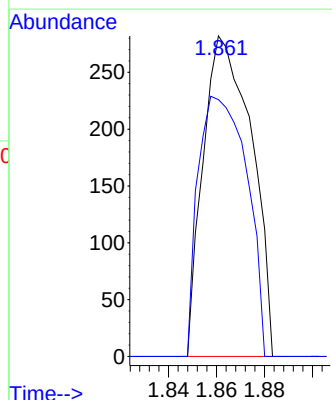
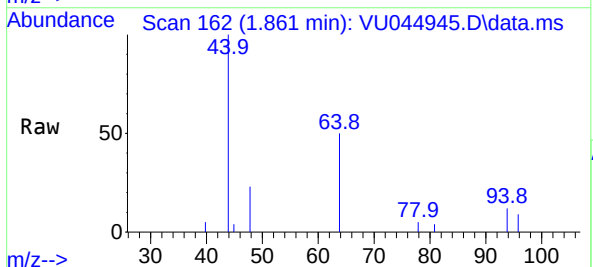
Instrument :
MSVOA_U
ClientSampleId :
SW-RR-03-(SA)

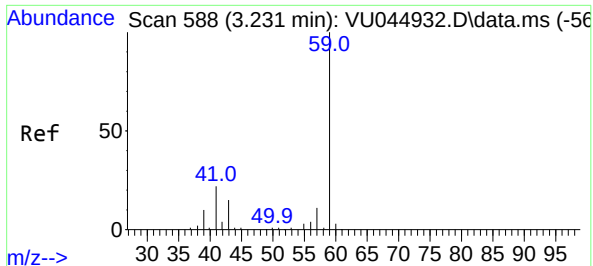
Tgt Ion:168 Resp: 197796
Ion Ratio Lower Upper
168 100
99 63.1 51.4 77.0



#5
Bromomethane
Concen: 0.316 ug/l
RT: 1.861 min Scan# 162
Delta R.T. 0.029 min
Lab File: VU044945.D
Acq: 28 Sep 2021 16:43

Tgt Ion: 94 Resp: 393
Ion Ratio Lower Upper
94 100
96 80.1 74.5 111.7

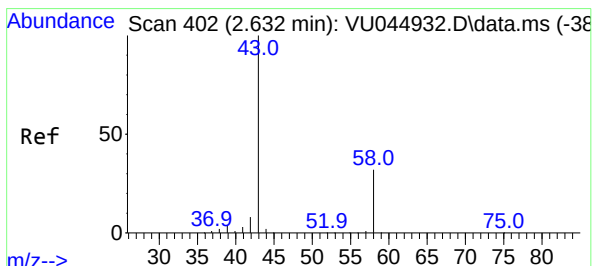
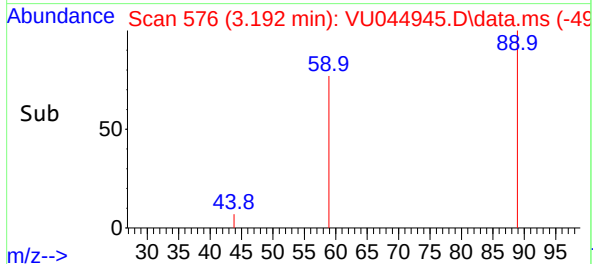
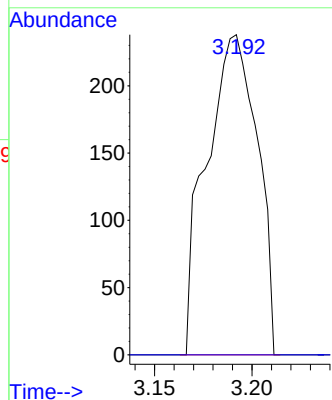
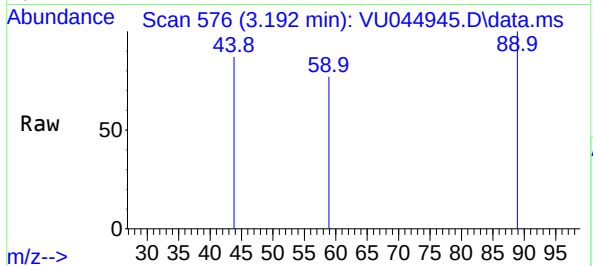




#11
Tert butyl alcohol
Concen: 0.457 ug/l
RT: 3.192 min Scan# 51
Delta R.T. -0.039 min
Lab File: VU044945.D
Acq: 28 Sep 2021 16:43

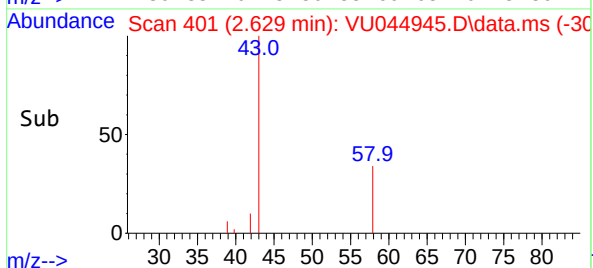
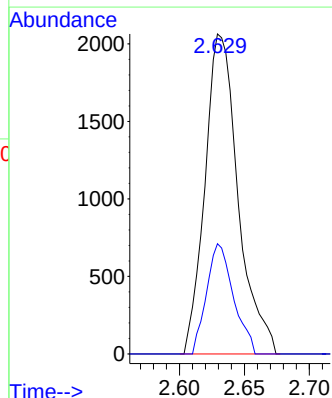
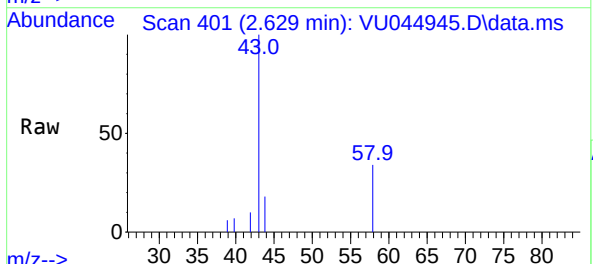
Instrument :
MSVOA_U
ClientSampleId :
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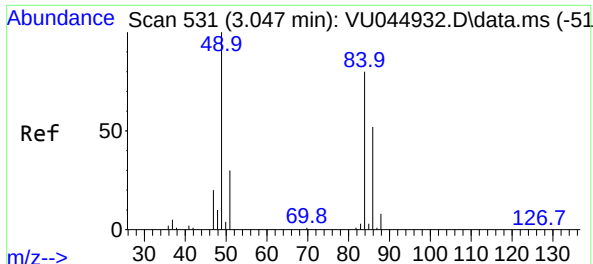
Tgt Ion: 59 Resp: 432
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.872 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU044945.D
Acq: 28 Sep 2021 16:43

Tgt Ion: 43 Resp: 3658
Ion Ratio Lower Upper
43 100
58 34.4 25.2 37.8

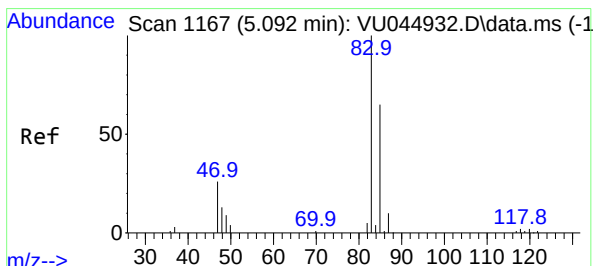
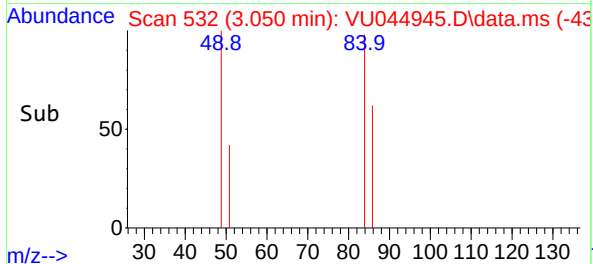
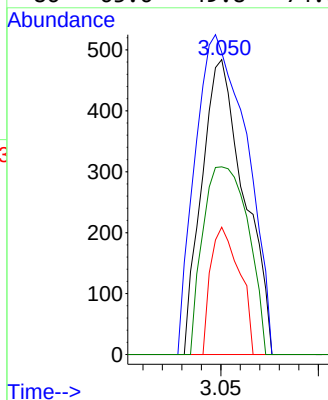
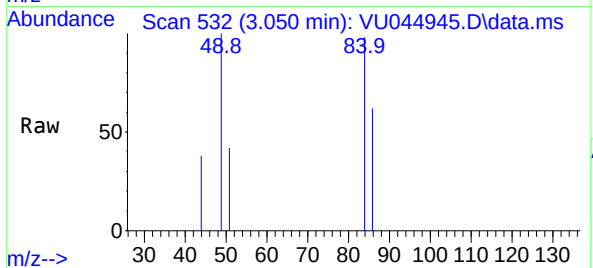




#20
Methylene Chloride
Concen: 0.249 ug/l
RT: 3.050 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU044945.D
Acq: 28 Sep 2021 16:43

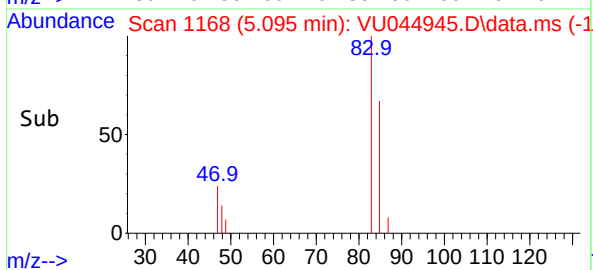
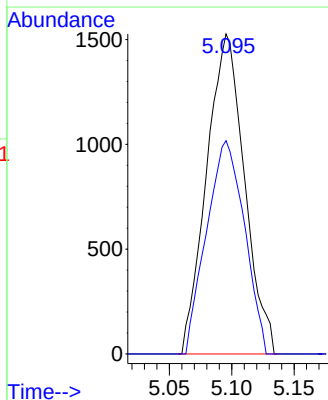
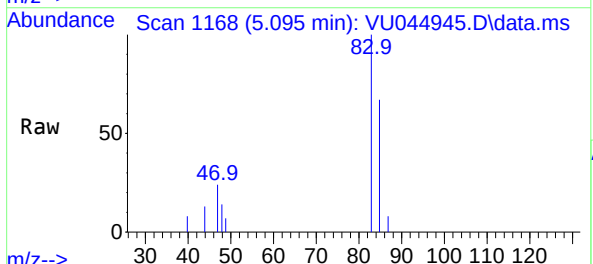
Instrument :
MSVOA_U
ClientSampleId :
SW-RR-03-(SA)

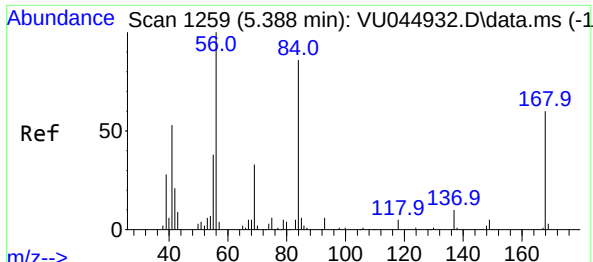
Tgt Ion:	84	Resp:	734
Ion	Ratio	Lower	Upper
84	100		
49	102.5	104.9	157.3#
51	43.2	31.8	47.8
86	63.6	49.8	74.6



#30
Chloroform
Concen: 0.629 ug/l
RT: 5.095 min Scan# 1168
Delta R.T. 0.003 min
Lab File: VU044945.D
Acq: 28 Sep 2021 16:43

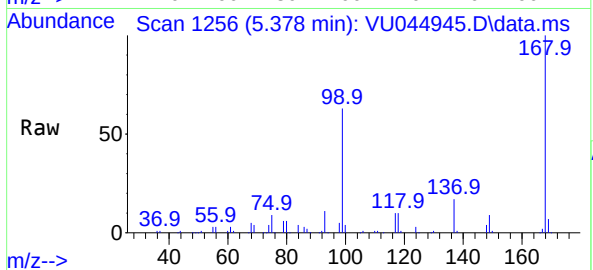
Tgt Ion:	83	Resp:	3226
Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.1	78.1



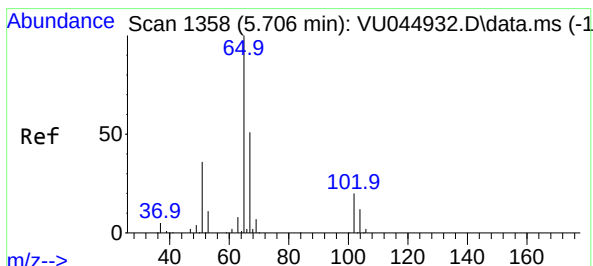
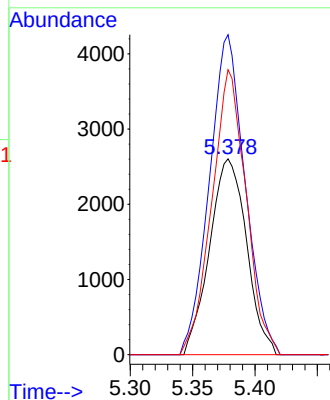
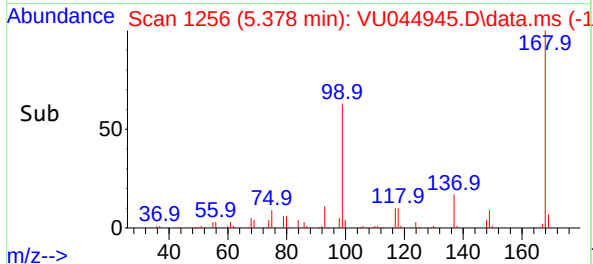


#31
Cyclohexane
Concen: 1.074 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.010 min
Lab File: VU044945.D
Acq: 28 Sep 2021 16:43

Instrument :
MSVOA_U
ClientSampleId :
SW-RR-03-(SA)

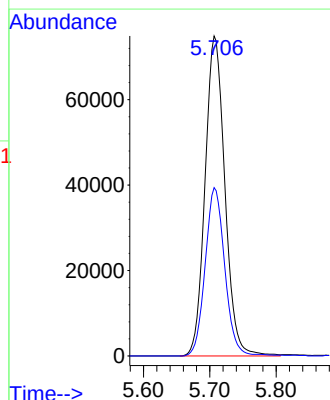
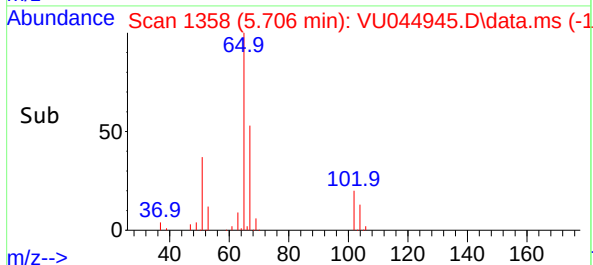
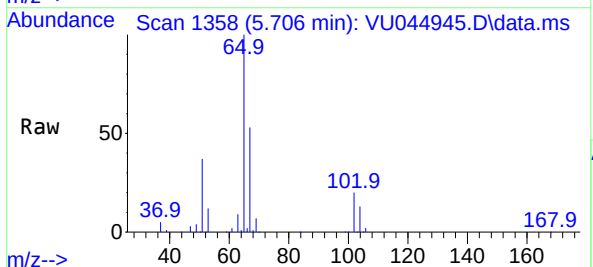


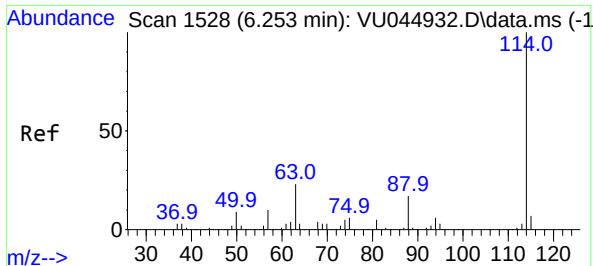
Tgt Ion: 56 Resp: 5371
Ion Ratio Lower Upper
56 100
69 163.4 25.2 37.8#
84 145.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 47.310 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU044945.D
Acq: 28 Sep 2021 16:43

Tgt Ion: 65 Resp: 155771
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.8

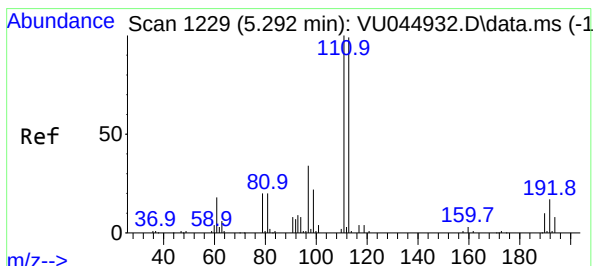
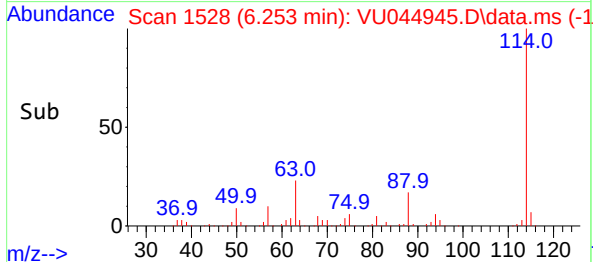
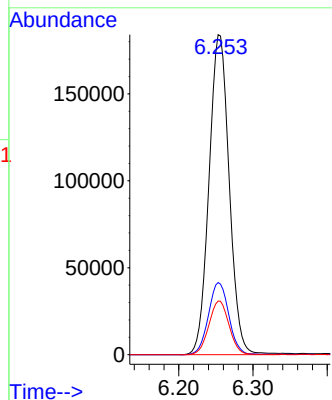
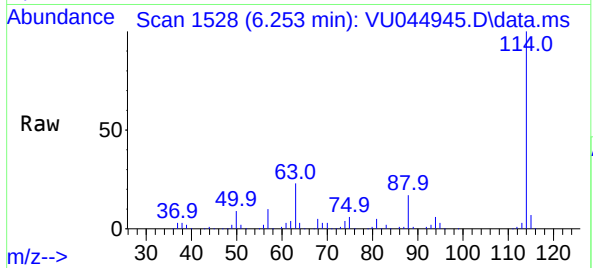




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU044945.D
Acq: 28 Sep 2021 16:43

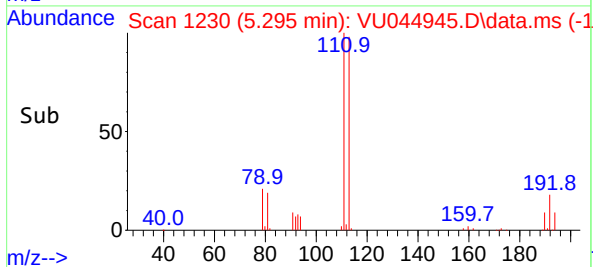
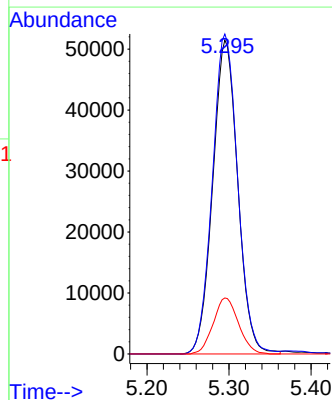
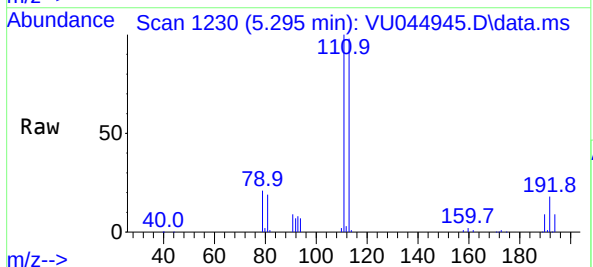
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ClientSampleId :
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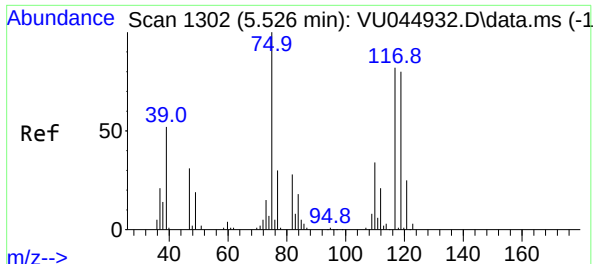
Tgt Ion:114 Resp: 347689
Ion Ratio Lower Upper
114 100
63 22.6 0.0 47.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.810 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.003 min
Lab File: VU044945.D
Acq: 28 Sep 2021 16:43

Tgt Ion:113 Resp: 109250
Ion Ratio Lower Upper
113 100
111 103.2 84.1 126.1
192 18.1 14.8 22.2

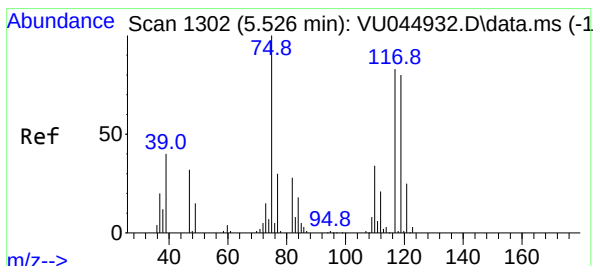
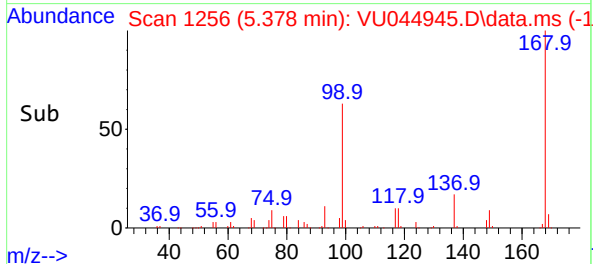
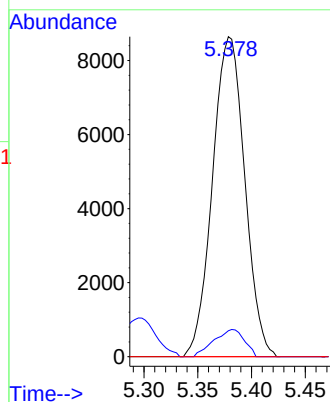
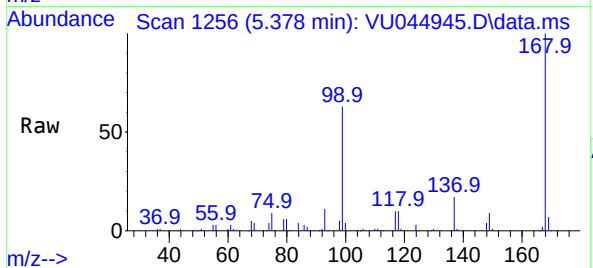




#36
 1,1-Dichloropropene
 Concen: 4.956 ug/l
 RT: 5.378 min Scan# 1256
 Delta R.T. -0.148 min
 Lab File: VU044945.D
 Acq: 28 Sep 2021 16:43

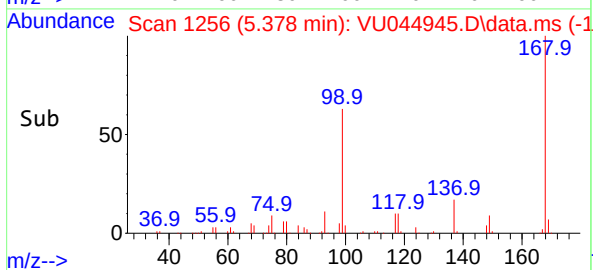
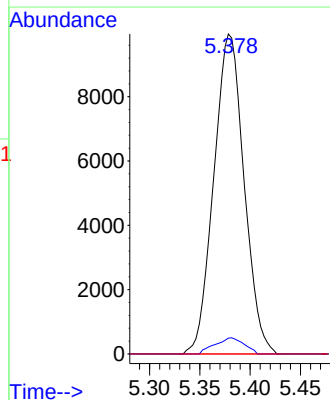
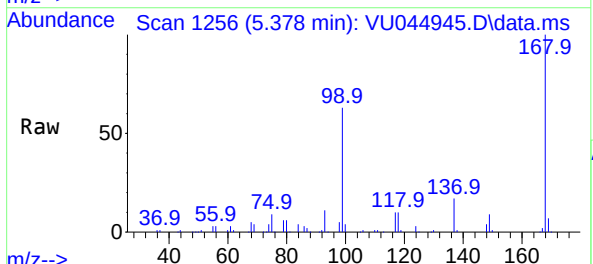
Instrument :
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 SW-RR-03-(SA)

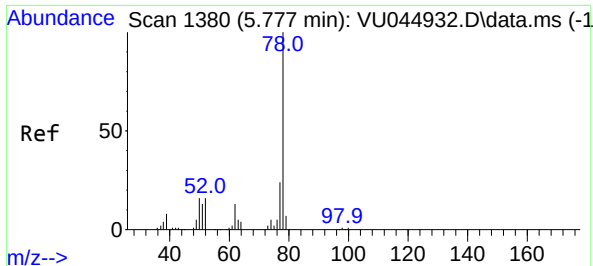
Tgt Ion:	75	Resp:	18019
Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.3	48.9#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.619 ug/l
 RT: 5.378 min Scan# 1256
 Delta R.T. -0.148 min
 Lab File: VU044945.D
 Acq: 28 Sep 2021 16:43

Tgt Ion:	117	Resp:	20824
Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.4	116.2#
121	0.0	24.5	36.7#

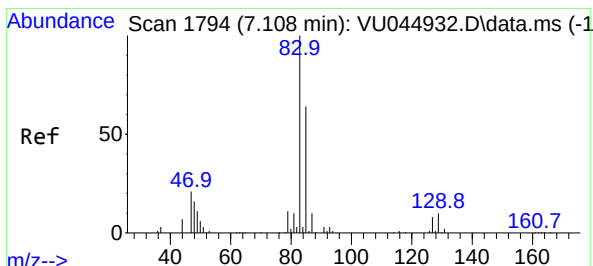
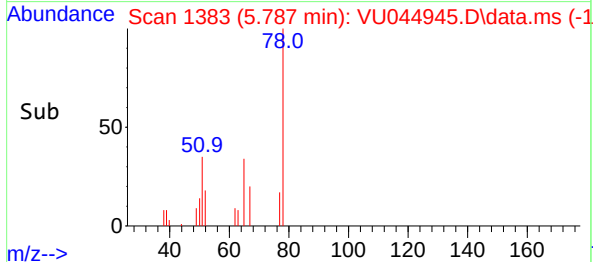
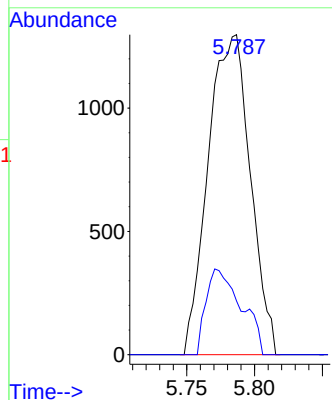
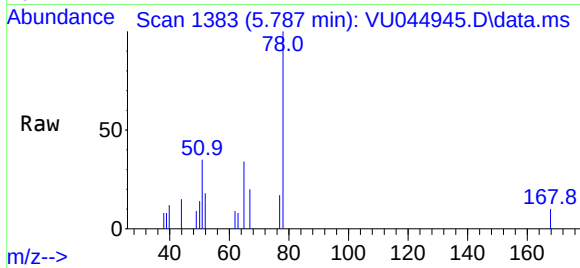




#40
Benzene
Concen: 0.259 ug/l
RT: 5.787 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU044945.D
Acq: 28 Sep 2021 16:43

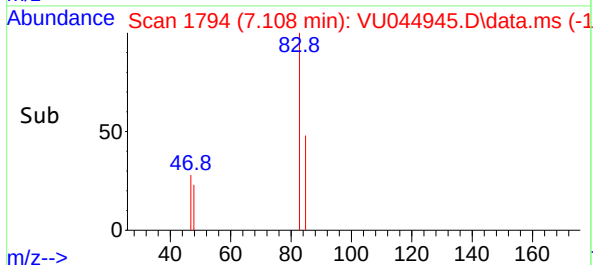
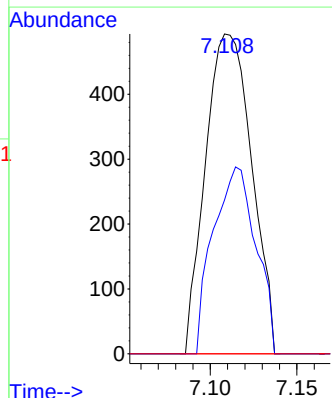
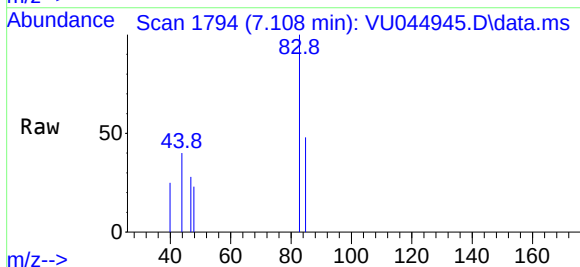
Instrument :
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ClientSampleId :
SW-RR-03-(SA)

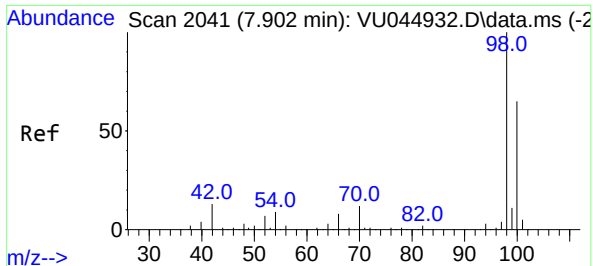
Tgt Ion: 78 Resp: 2806
Ion Ratio Lower Upper
78 100
77 16.8 19.1 28.7#



#47
Bromodichloromethane
Concen: 0.244 ug/l
RT: 7.108 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VU044945.D
Acq: 28 Sep 2021 16:43

Tgt Ion: 83 Resp: 916
Ion Ratio Lower Upper
83 100
85 48.1 51.6 77.4#
127 0.0 6.2 9.4#

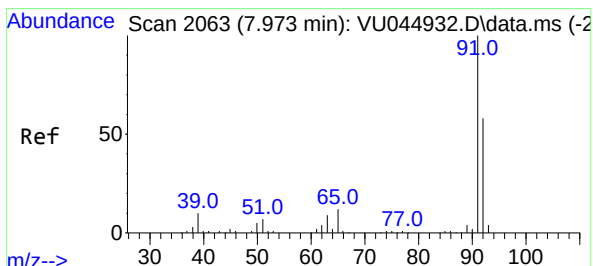
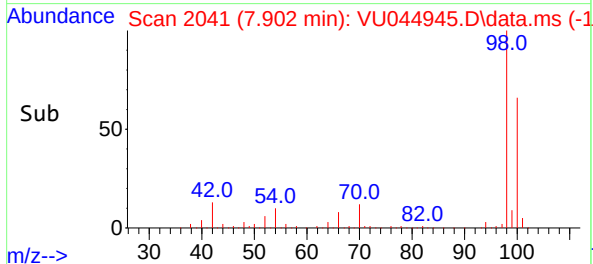
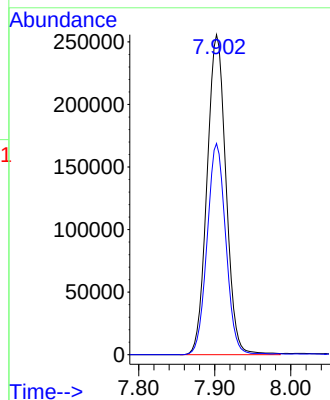
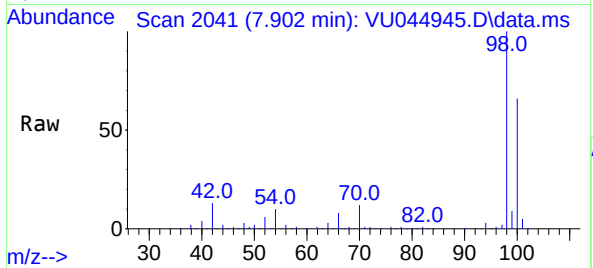




#50
Toluene-d8
Concen: 51.075 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU044945.D
Acq: 28 Sep 2021 16:43

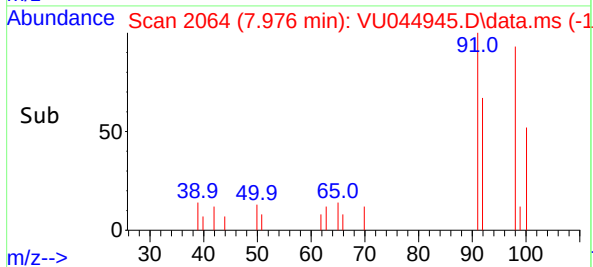
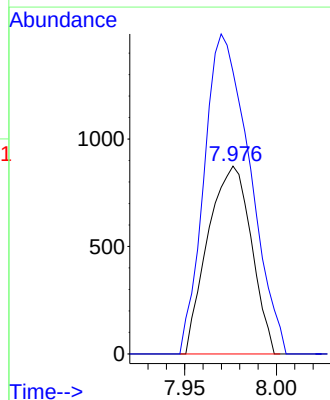
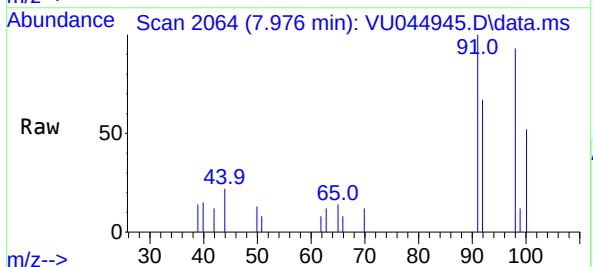
Instrument :
MSVOA_U
ClientSampleId :
SW-RR-03-(SA)

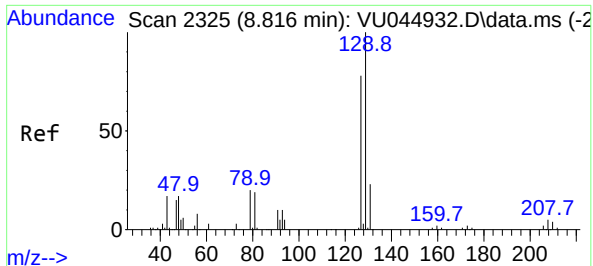
Tgt Ion: 98 Resp: 442627
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#52
Toluene
Concen: 0.212 ug/l
RT: 7.976 min Scan# 2064
Delta R.T. 0.003 min
Lab File: VU044945.D
Acq: 28 Sep 2021 16:43

Tgt Ion: 92 Resp: 1436
Ion Ratio Lower Upper
92 100
91 179.0 136.9 205.3

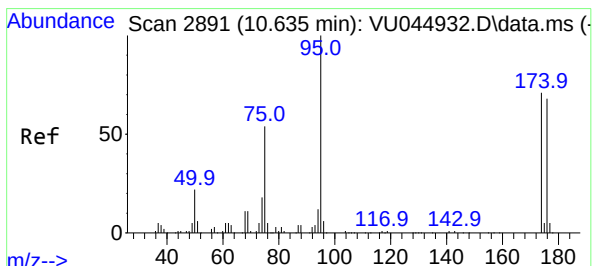
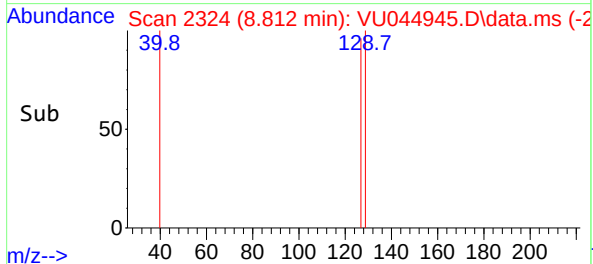
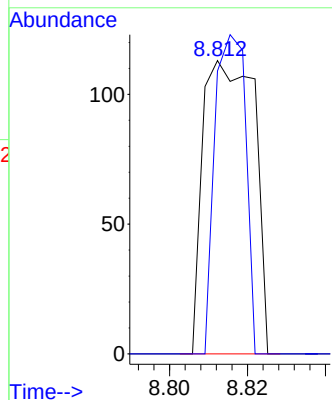
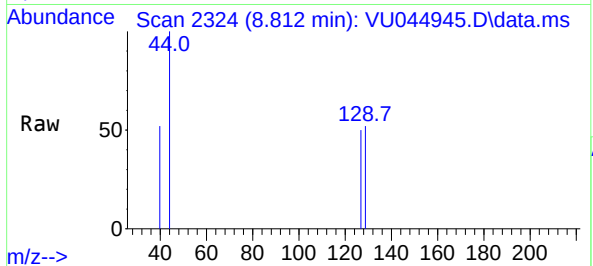




#60
Dibromochloromethane
Concen: 2.209 ug/l
RT: 8.812 min Scan# 21
Delta R.T. -0.004 min
Lab File: VU044945.D
Acq: 28 Sep 2021 16:43

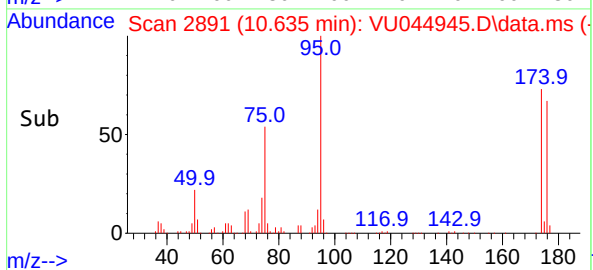
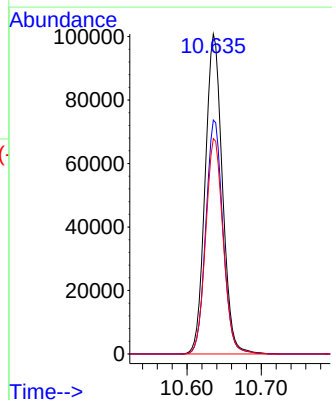
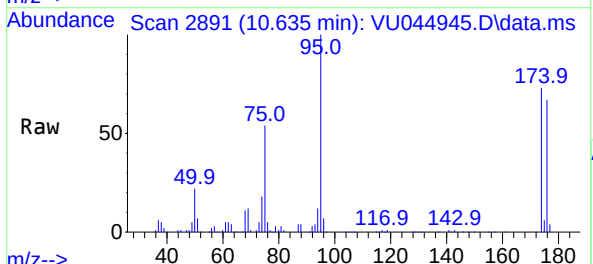
Instrument :
MSVOA_U
ClientSampleId :
SW-RR-03-(SA)

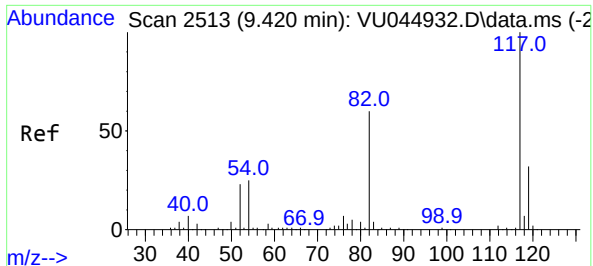
Tgt Ion:129 Resp: 103
Ion Ratio Lower Upper
129 100
127 65.0 39.0 117.0



#62
4-Bromofluorobenzene
Concen: 45.254 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU044945.D
Acq: 28 Sep 2021 16:43

Tgt Ion: 95 Resp: 161915
Ion Ratio Lower Upper
95 100
174 72.6 0.0 146.6
176 68.4 0.0 141.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.420 min Scan# 2513

Delta R.T. -0.000 min

Lab File: VU044945.D

Acq: 28 Sep 2021 16:43

Instrument :

MSVOA_U

ClientSampleId :

SW-RR-03-(SA)

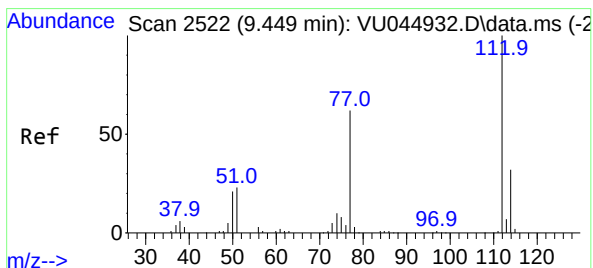
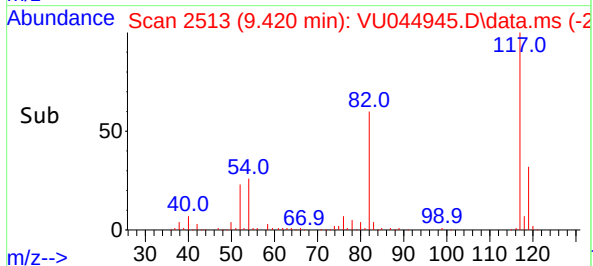
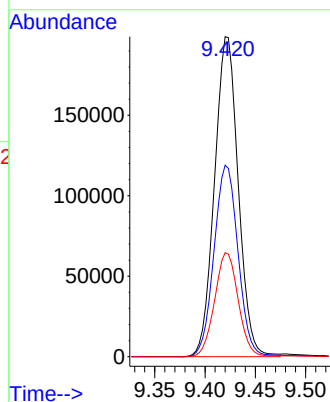
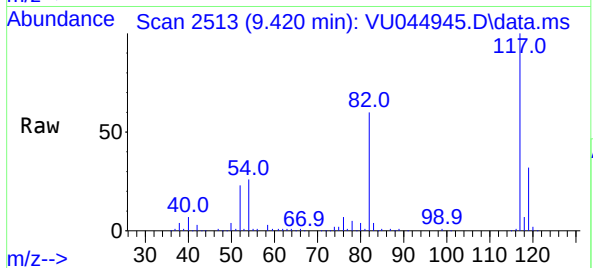
Tgt Ion:117 Resp: 326792

Ion Ratio Lower Upper

117 100

82 59.8 47.8 71.8

119 32.5 25.8 38.6



#65

Chlorobenzene

Concen: 0.283 ug/l

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU044945.D

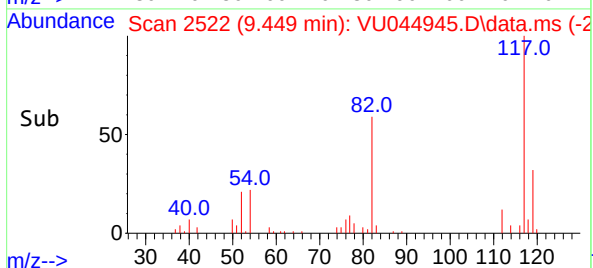
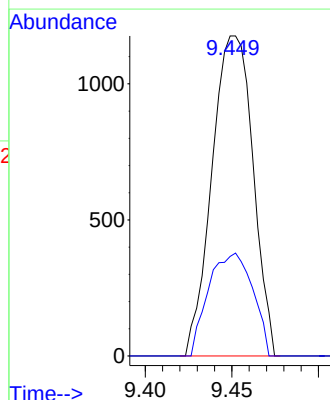
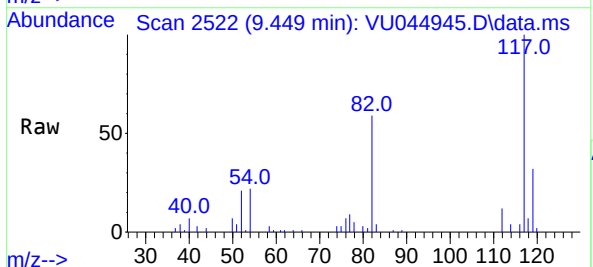
Acq: 28 Sep 2021 16:43

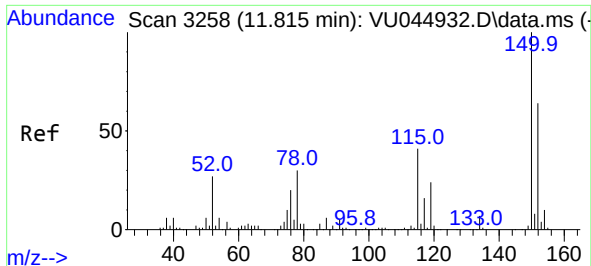
Tgt Ion:112 Resp: 1942

Ion Ratio Lower Upper

112 100

114 31.1 25.9 38.9

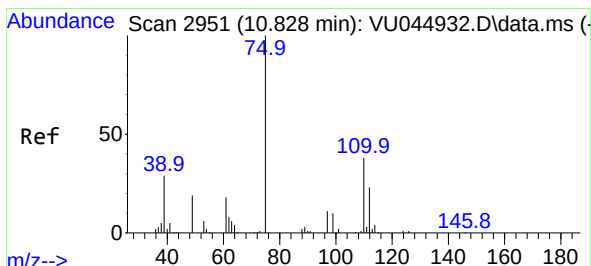
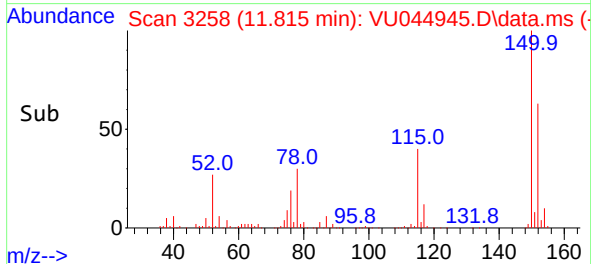
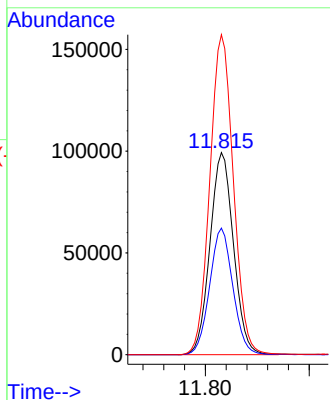
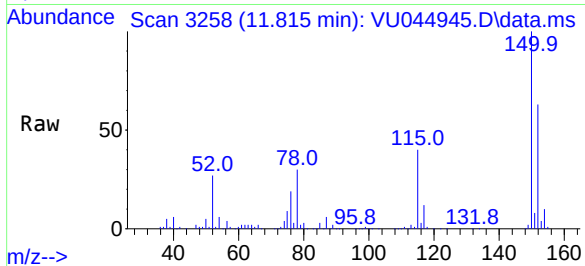




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.815 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU044945.D
 Acq: 28 Sep 2021 16:43

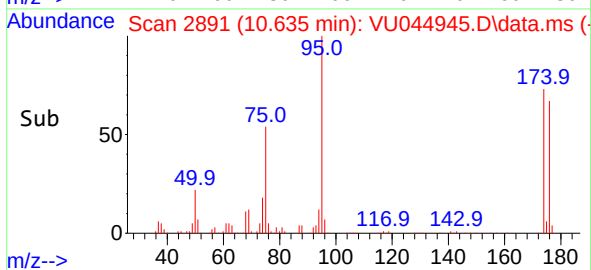
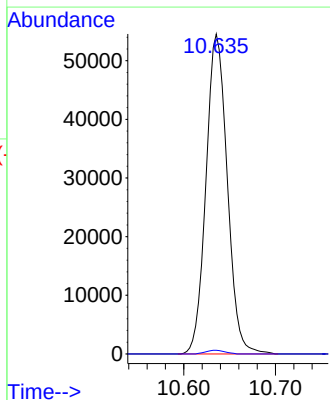
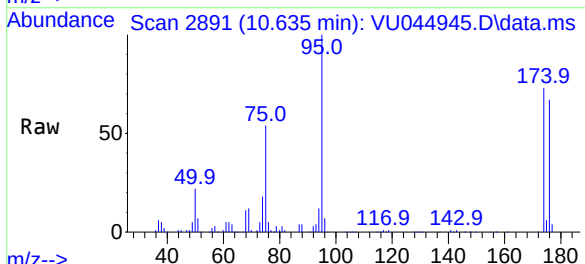
Instrument :
 MSVOA_U
 ClientSampleId :
 SW-RR-03-(SA)

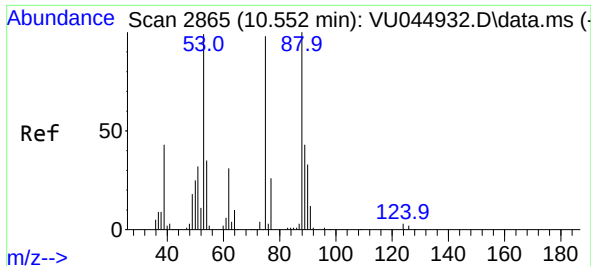
Tgt Ion:152 Resp: 156194
 Ion Ratio Lower Upper
 152 100
 115 61.8 43.5 130.7
 150 158.4 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 19.330 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. -0.193 min
 Lab File: VU044945.D
 Acq: 28 Sep 2021 16:43

Tgt Ion: 75 Resp: 88065
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.9 53.7#

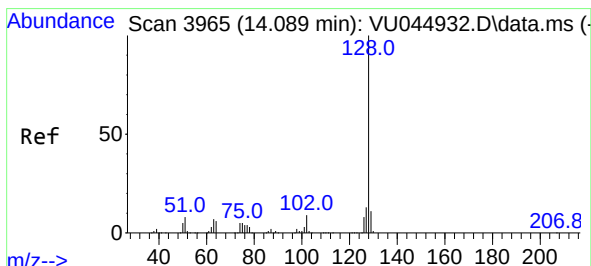
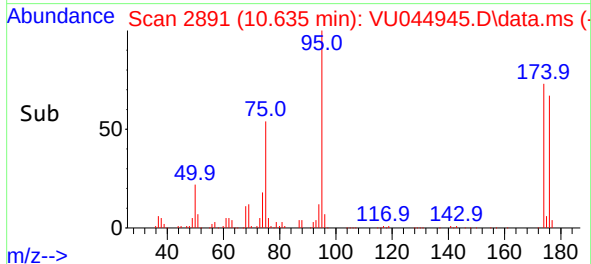
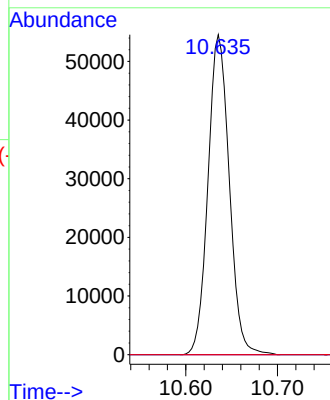
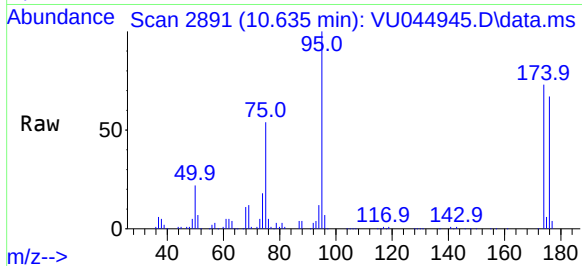




#81
trans-1,4-Dichloro-2-butene
Concen: 53.644 ug/l
RT: 10.635 min Scan# 21
Delta R.T. 0.083 min
Lab File: VU044945.D
Acq: 28 Sep 2021 16:43

Instrument :
MSVOA_U
ClientSampleId :
SW-RR-03-(SA)

Tgt Ion: 75 Resp: 88065
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 0.555 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044945.D
Acq: 28 Sep 2021 16:43

Tgt Ion:128 Resp: 6395
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 9.8 8.6 13.0

