

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
 Data File : VU045007.D
 Acq On : 29 Sep 2021 20:47
 Operator : SY/MD
 Sample : M3926-04DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

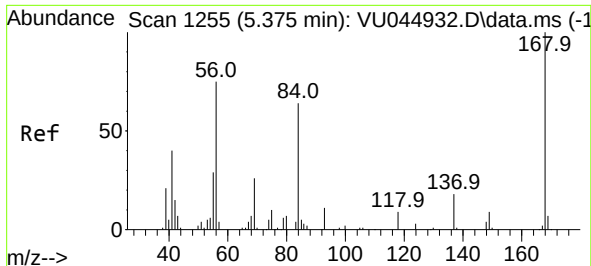
Instrument :
 MSVOA_U
 ClientSampleId :
 EP-1-MW-4-0921DL

Quant Time: Sep 30 04:34:20 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	5.379	168	203691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	366372	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	342248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	160973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	162730	47.993	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.980%		
35) Dibromofluoromethane	5.295	113	113046	48.912	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.820%		
50) Toluene-d8	7.903	98	463215	50.725	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.440%		
62) 4-Bromofluorobenzene	10.636	95	170692	45.275	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.540%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.475	62	1445	0.443	ug/l #	1
5) Bromomethane	1.845	94	614	0.480	ug/l	90
11) Tert butyl alcohol	3.192	59	1259	1.294	ug/l #	72
16) Acetone	2.629	43	1368	0.680	ug/l	94
20) Methylene Chloride	3.051	84	934	0.308	ug/l	94
27) cis-1,2-Dichloroethene	4.671	96	948	0.304	ug/l	96
31) Cyclohexane	5.379	56	5450	1.058	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	18891	4.931	ug/l #	50
38) Carbon Tetrachloride	5.375	117	21397	6.454	ug/l #	16
51) 4-Methyl-2-Pentanone	7.903	43	2169	0.391	ug/l #	1
56) Ethyl methacrylate	8.240	69	64	1.831	ug/l #	1
67) Ethyl Benzene	9.575	91	20595	1.560	ug/l	100
68) m/p-Xylenes	9.697	106	5835	1.137	ug/l	93
69) o-Xylene	10.105	106	1275	0.250	ug/l	83
73) Isopropylbenzene	10.488	105	74880	6.247	ug/l	100
76) 1,2,3-Trichloropropane	10.636	75	91832	19.558	ug/l #	41
78) n-propylbenzene	10.909	91	141633	9.695	ug/l	100
79) 2-Chlorotoluene	10.999	91	4777	0.522	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.092	105	19229	1.831	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.636	75	91832	54.278	ug/l #	9
82) 4-Chlorotoluene	10.999	91	4777	0.462	ug/l #	47
83) tert-Butylbenzene	11.423	119	10583	1.036	ug/l	92
84) 1,2,4-Trimethylbenzene	11.472	105	757852	72.945	ug/l	99
85) sec-Butylbenzene	11.645	105	46483	3.534	ug/l	98
86) p-Isopropyltoluene	11.745	119	8581	0.811	ug/l	93
89) n-Butylbenzene	12.214	91	12421	1.274	ug/l #	68
90) Hexachloroethane	12.468	117	4148	2.171	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	13.025	75	384	0.314	ug/l #	7
95) Naphthalene	14.089	128	48763	4.106	ug/l	99

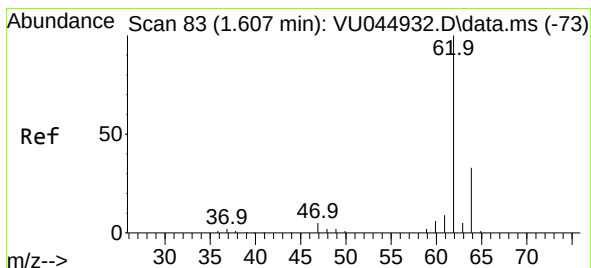
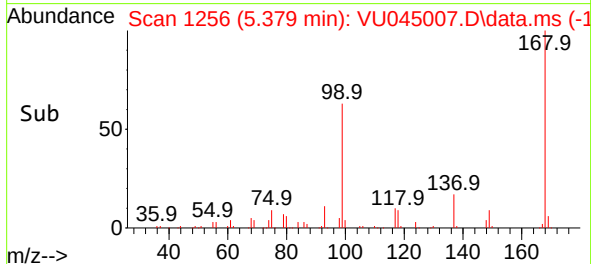
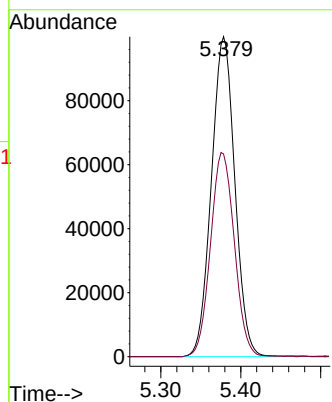
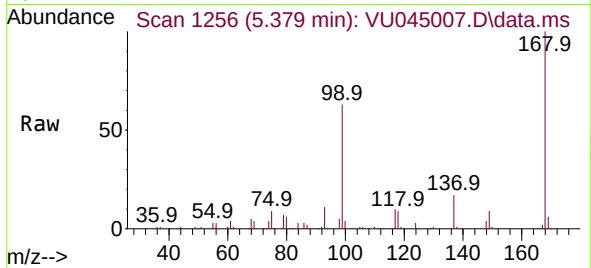
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.004 min
Lab File: VU045007.D
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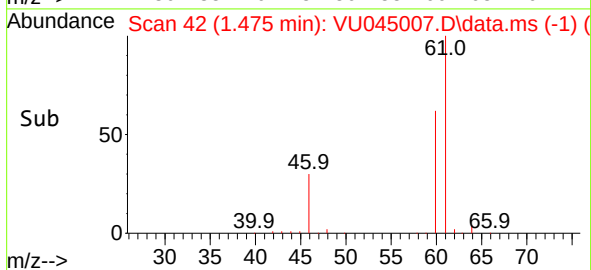
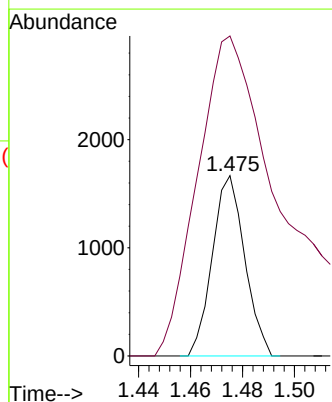
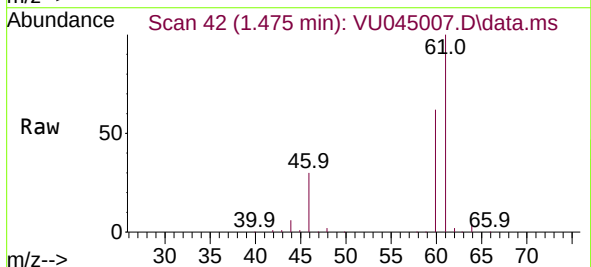
Instrument :
MSVOA_U
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EP-1-MW-4-0921DL

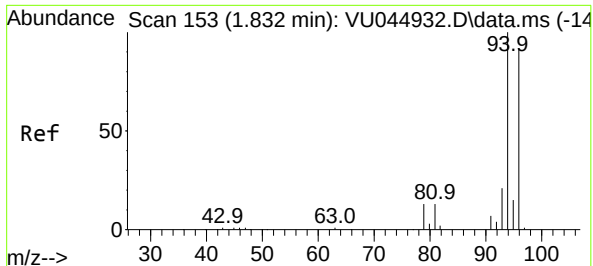
Tgt Ion:168 Resp: 203691
Ion Ratio Lower Upper
168 100
99 63.3 51.4 77.0



#4
Vinyl Chloride
Concen: 0.443 ug/l
RT: 1.475 min Scan# 42
Delta R.T. -0.132 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

Tgt Ion: 62 Resp: 1445
Ion Ratio Lower Upper
62 100
64 133.2 25.6 38.4#





#5

Bromomethane

Concen: 0.480 ug/l

RT: 1.845 min Scan# 157

Delta R.T. 0.013 min

Lab File: VU045007.D

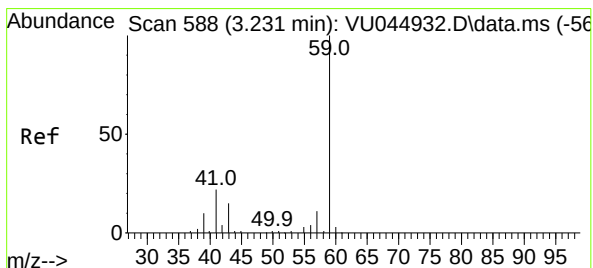
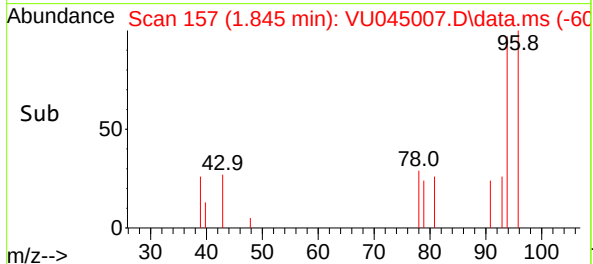
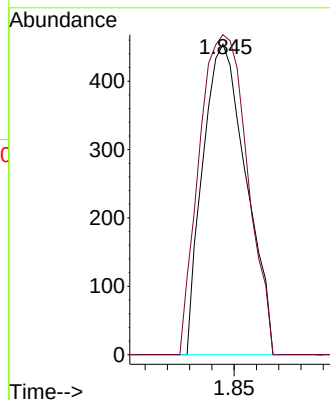
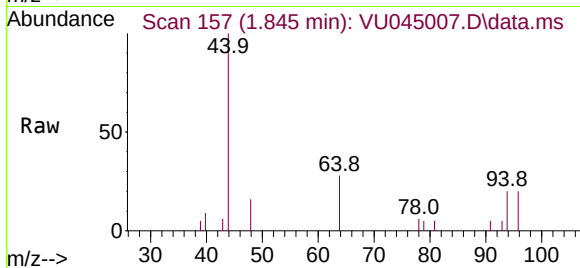
Acq: 29 Sep 2021 20:47

Tgt Ion: 94 Resp: 614

Ion Ratio Lower Upper

94 100

96 103.1 74.5 111.7



#11

Tert butyl alcohol

Concen: 1.294 ug/l

RT: 3.192 min Scan# 576

Delta R.T. -0.039 min

Lab File: VU045007.D

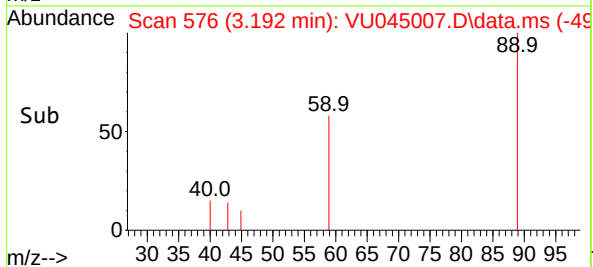
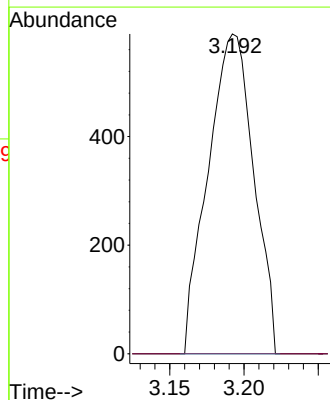
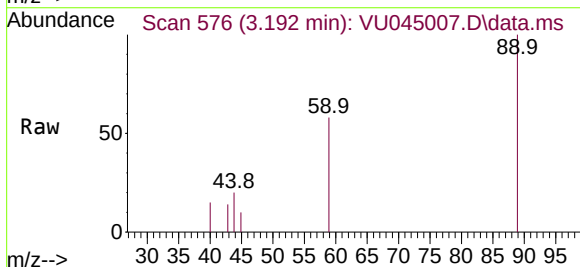
Acq: 29 Sep 2021 20:47

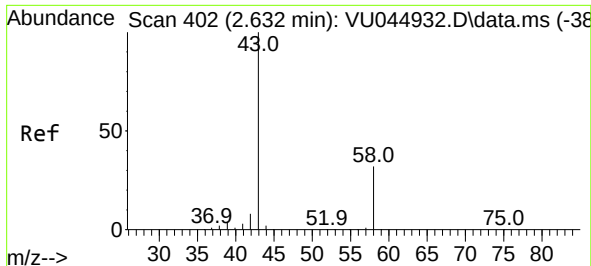
Tgt Ion: 59 Resp: 1259

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

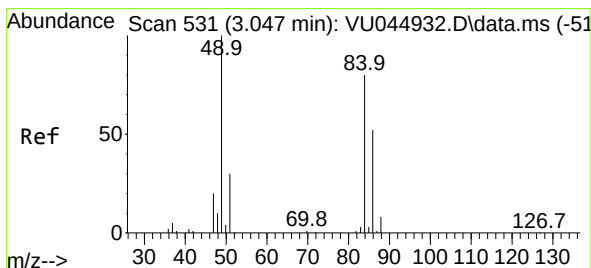
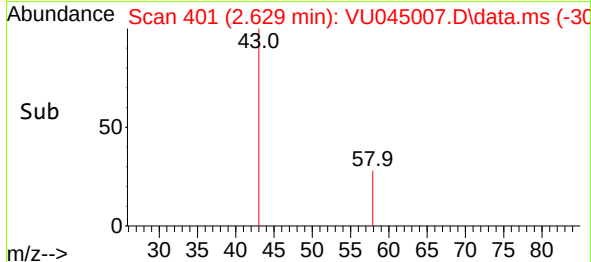
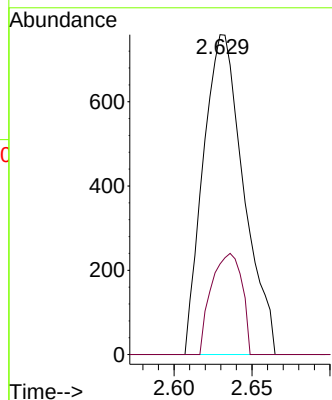
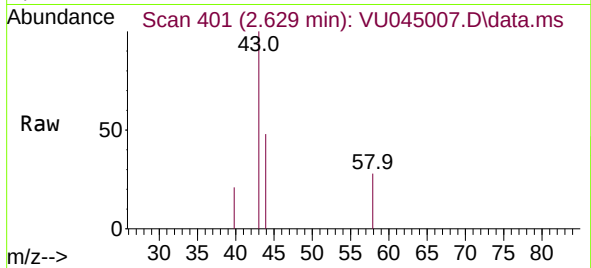




#16
Acetone
Concen: 0.680 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

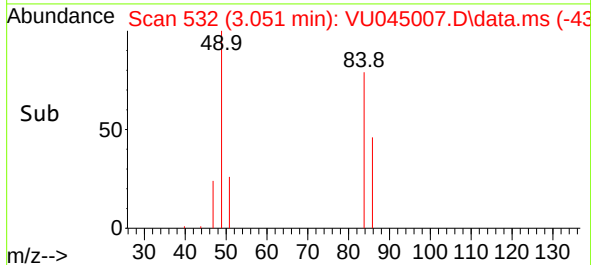
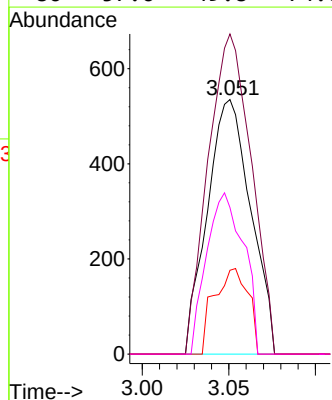
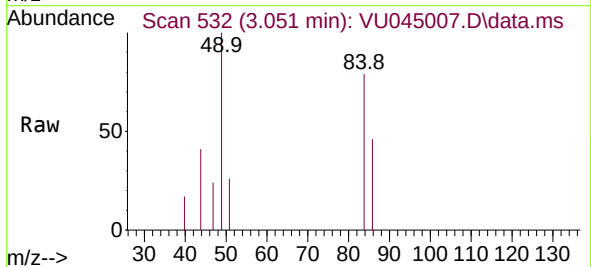
Instrument :
MSVOA_U
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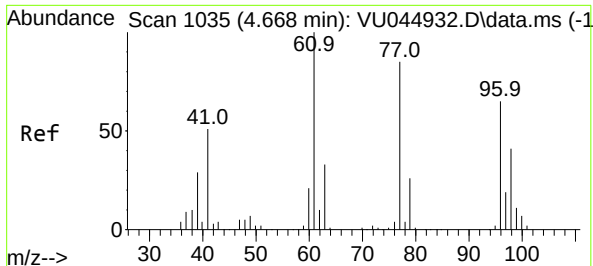
Tgt Ion: 43 Resp: 1368
Ion Ratio Lower Upper
43 100
58 28.3 25.2 37.8



#20
Methylene Chloride
Concen: 0.308 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.004 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

Tgt Ion: 84 Resp: 934
Ion Ratio Lower Upper
84 100
49 125.8 104.9 157.3
51 32.9 31.8 47.8
86 57.6 49.8 74.6





#27

cis-1,2-Dichloroethene

Concen: 0.304 ug/l

RT: 4.671 min Scan# 1036

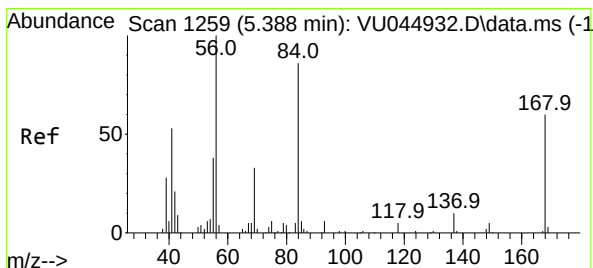
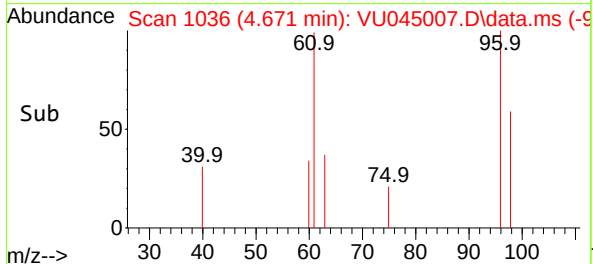
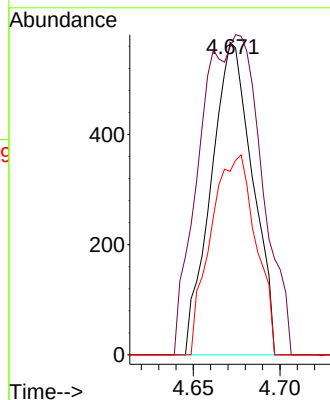
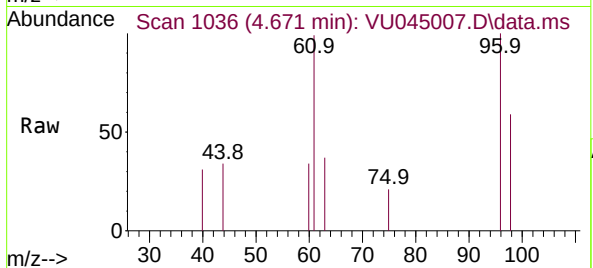
Delta R.T. 0.003 min

Lab File: VU045007.D

Acq: 29 Sep 2021 20:47

Tgt Ion: 96 Resp: 948

Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	313.4
98	69.1	0.0	127.0



#31

Cyclohexane

Concen: 1.058 ug/l

RT: 5.379 min Scan# 1256

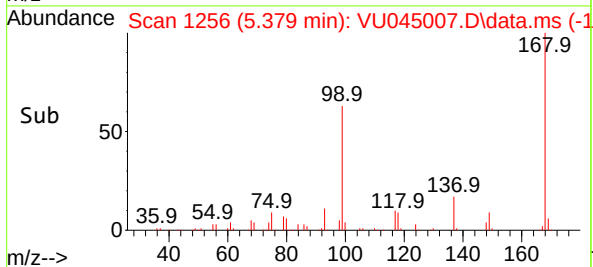
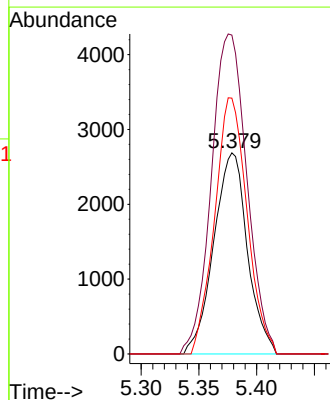
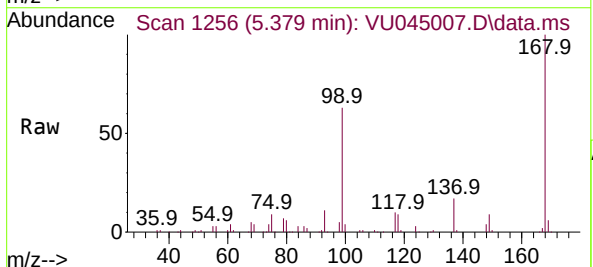
Delta R.T. -0.009 min

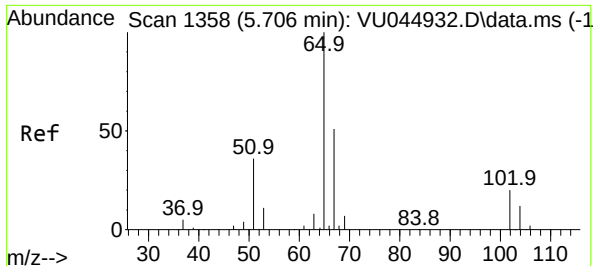
Lab File: VU045007.D

Acq: 29 Sep 2021 20:47

Tgt Ion: 56 Resp: 5450

Ion	Ratio	Lower	Upper
56	100		
69	158.5	25.2	37.8#
84	127.2	66.4	99.6#



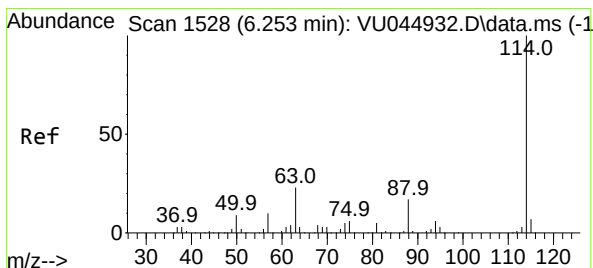
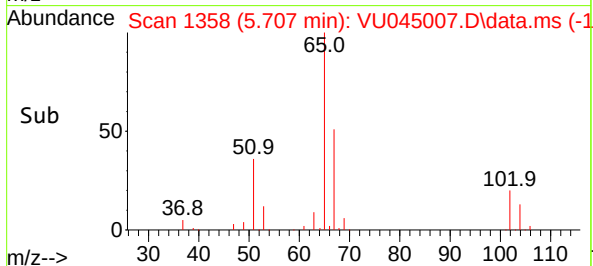
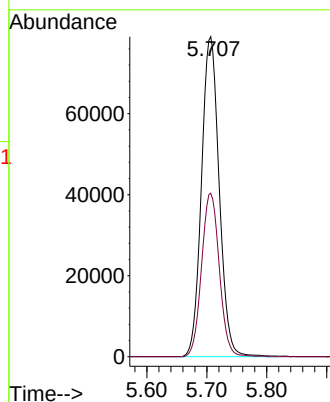
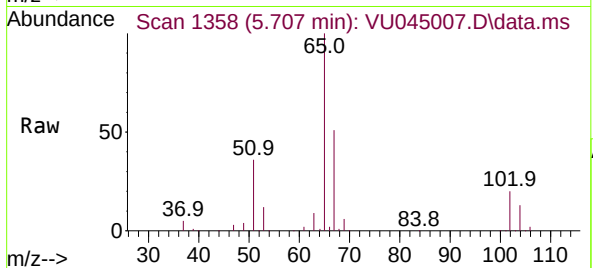


#33

1,2-Dichloroethane-d4
Concen: 47.993 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.001 min
Lab File: VU045007.D
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Instrument :
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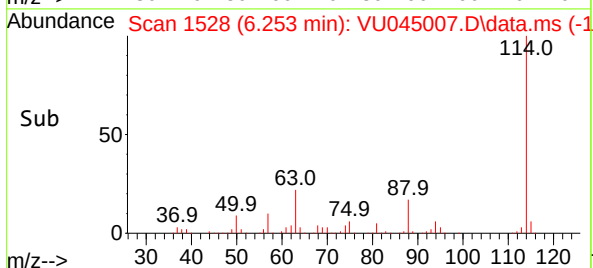
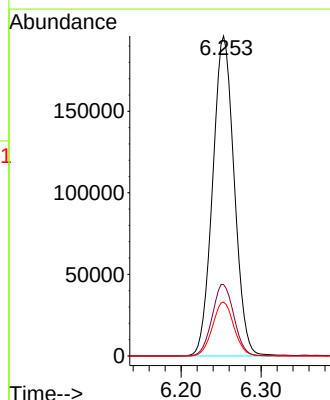
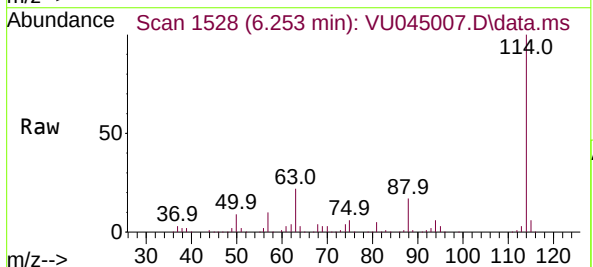
Tgt Ion: 65 Resp: 162730
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.8

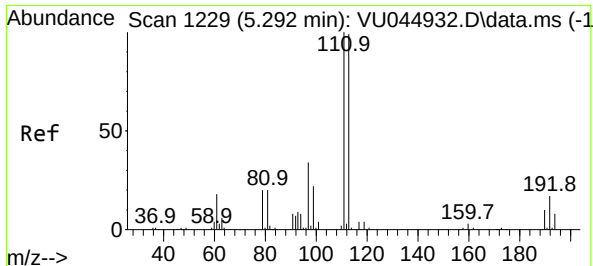


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

Tgt Ion: 114 Resp: 366372
Ion Ratio Lower Upper
114 100
63 22.4 0.0 47.8
88 16.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.912 ug/l

RT: 5.295 min Scan# 1230

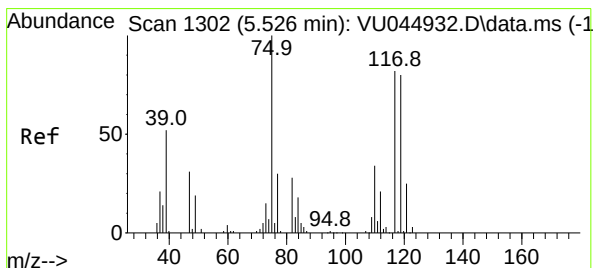
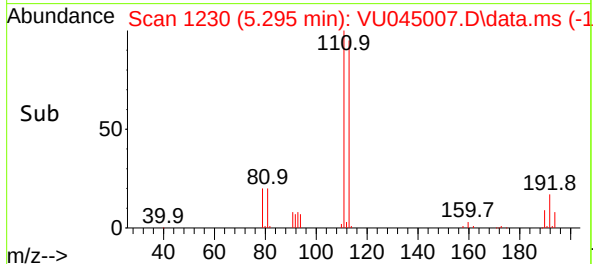
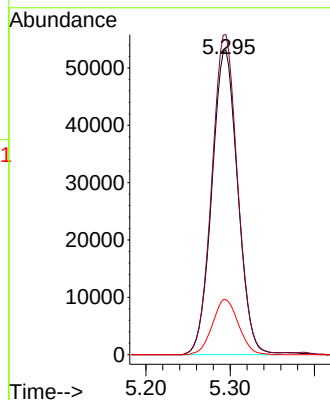
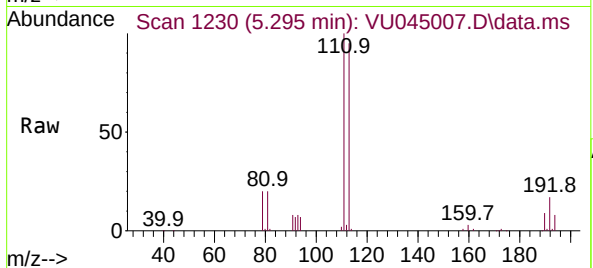
Delta R.T. 0.003 min

Lab File: VU045007.D

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Tgt Ion:	113	Resp:	113046
Ion Ratio	Lower	Upper	
113	100		
111	104.7	84.1	126.1
192	18.3	14.8	22.2

Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL



#36

1,1-Dichloropropene

Concen: 4.931 ug/l

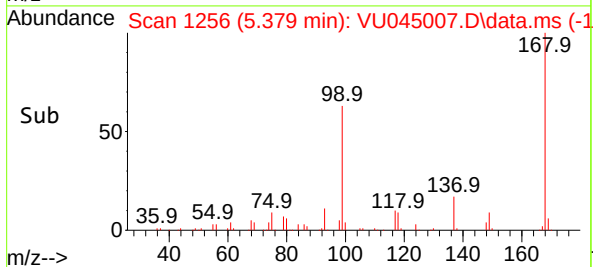
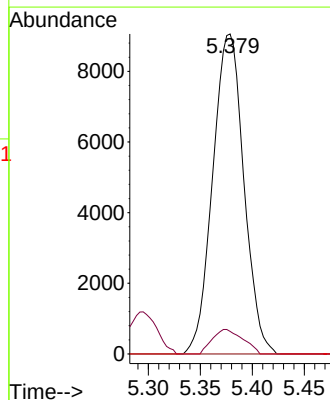
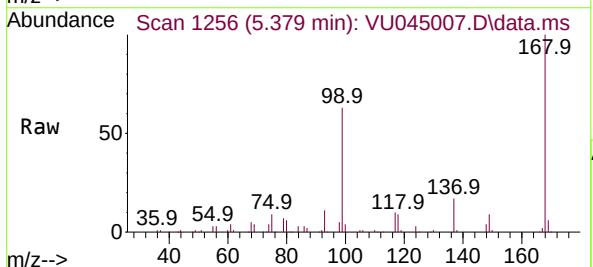
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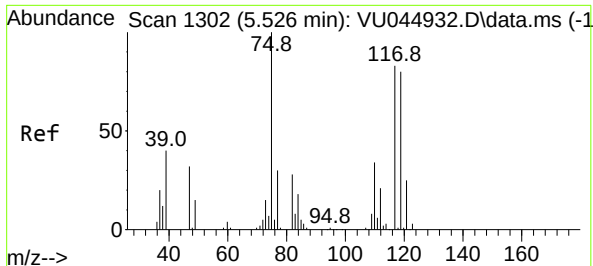
Delta R.T. -0.147 min

Lab File: VU045007.D

Acq: 29 Sep 2021 20:47

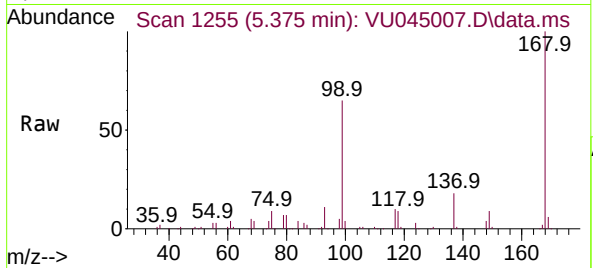
Tgt Ion:	75	Resp:	18891
Ion Ratio	Lower	Upper	
75	100		
110	7.5	16.3	48.9#
77	0.0	25.0	37.4#



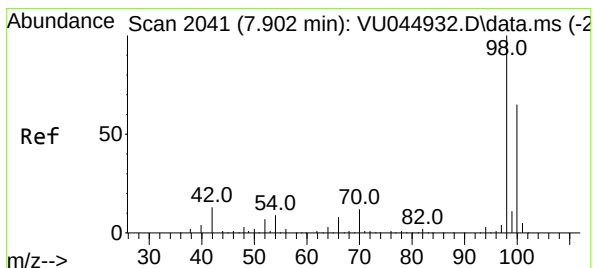
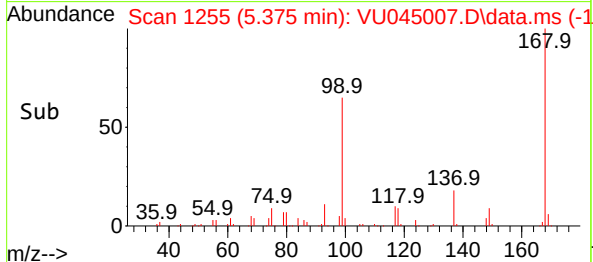
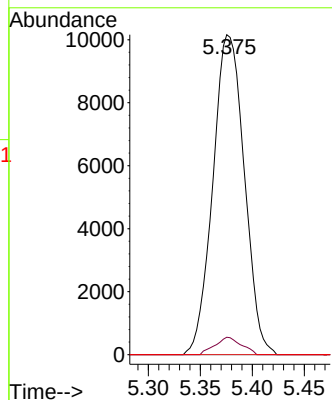


#38
Carbon Tetrachloride
Concen: 6.454 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL

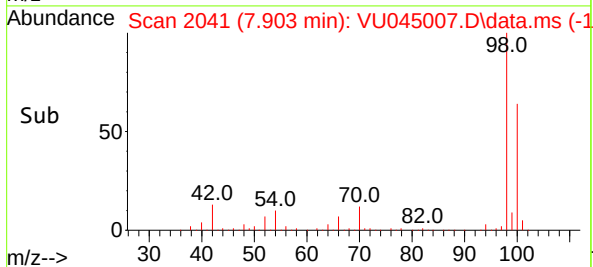
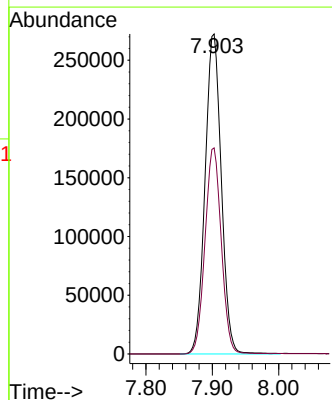
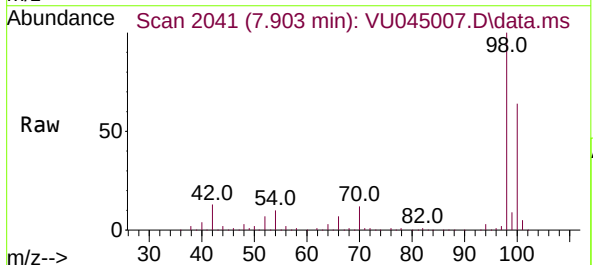


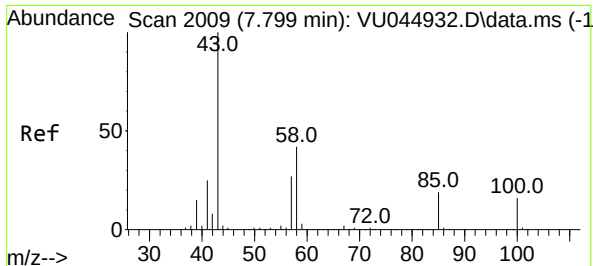
Tgt Ion: 117 Resp: 21397
Ion Ratio Lower Upper
117 100
119 5.5 77.4 116.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.725 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

Tgt Ion: 98 Resp: 463215
Ion Ratio Lower Upper
98 100
100 64.4 52.5 78.7

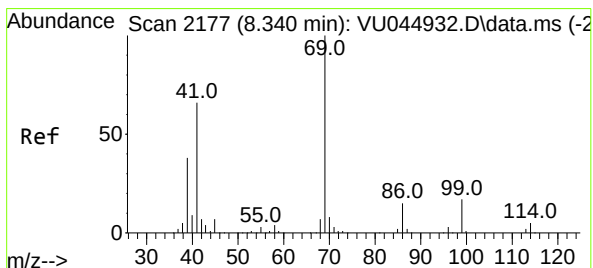
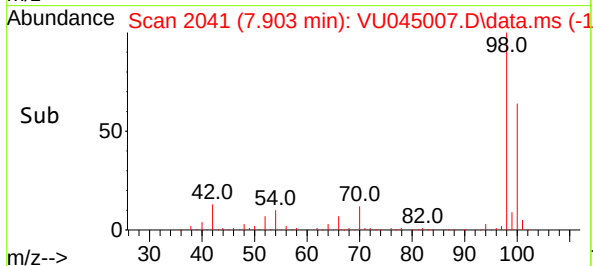
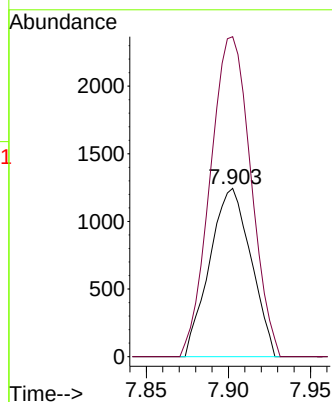
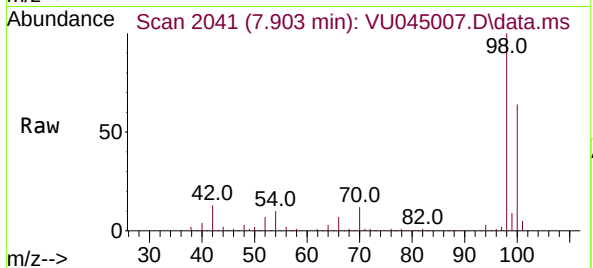




#51
4-Methyl-2-Pentanone
Concen: 0.391 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.104 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

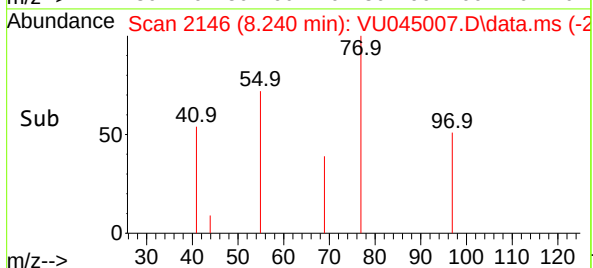
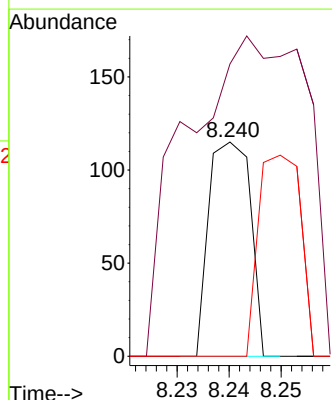
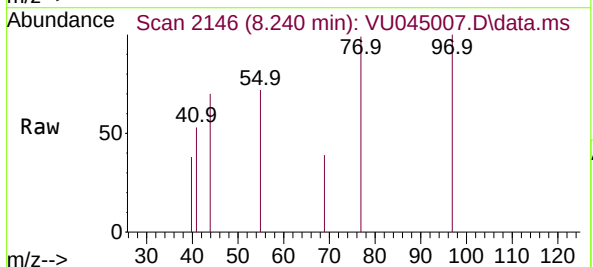
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL

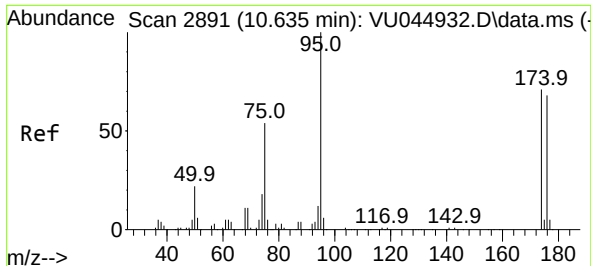
Tgt Ion: 43 Resp: 2169
Ion Ratio Lower Upper
43 100
58 187.3 32.4 48.6#



#56
Ethyl methacrylate
Concen: 1.831 ug/l
RT: 8.240 min Scan# 2146
Delta R.T. -0.100 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

Tgt Ion: 69 Resp: 64
Ion Ratio Lower Upper
69 100
41 431.3 53.5 80.3#
39 95.3 31.1 46.7#

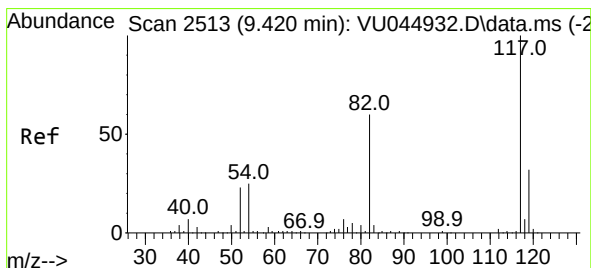
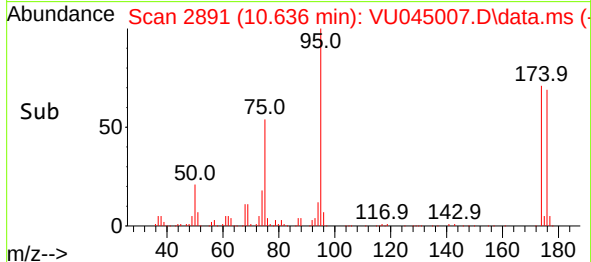
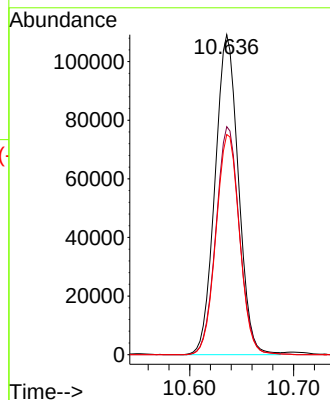
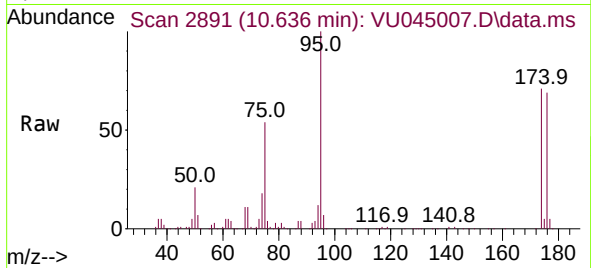




#62
4-Bromofluorobenzene
Concen: 45.275 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

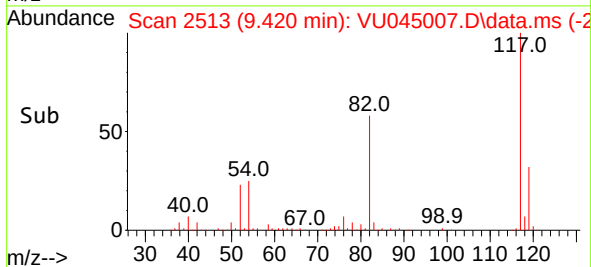
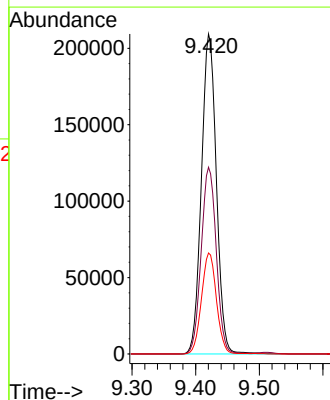
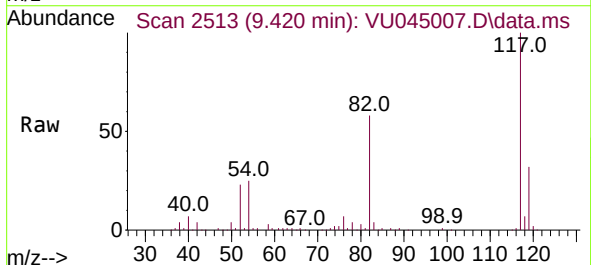
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL

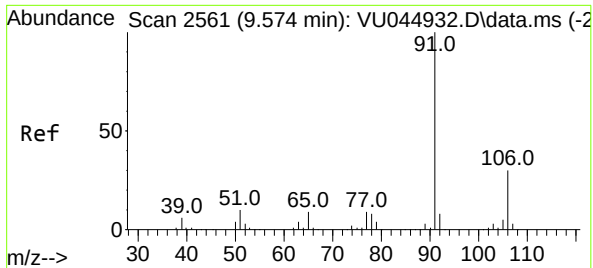
Tgt Ion: 95 Resp: 170692
Ion Ratio Lower Upper
95 100
174 71.7 0.0 146.6
176 69.4 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

Tgt Ion: 117 Resp: 342248
Ion Ratio Lower Upper
117 100
82 58.4 47.8 71.8
119 31.6 25.8 38.6





#67

Ethyl Benzene

Concen: 1.560 ug/l

RT: 9.575 min Scan# 2561

Delta R.T. 0.001 min

Lab File: VU045007.D

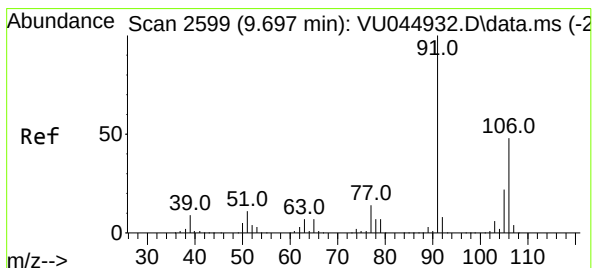
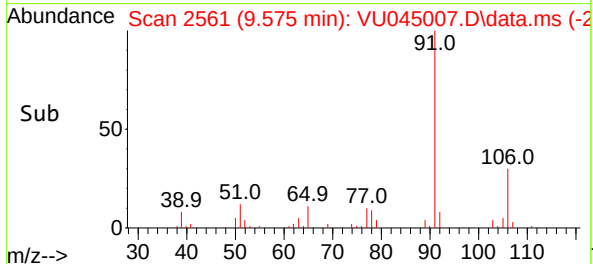
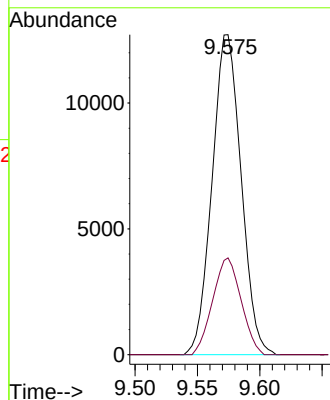
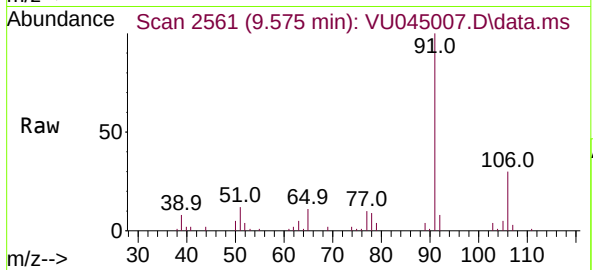
Acq: 29 Sep 2021 20:47

Tgt Ion: 91 Resp: 20595

Ion Ratio Lower Upper

91 100

106 30.3 24.3 36.5



#68

m/p-Xylenes

Concen: 1.137 ug/l

RT: 9.697 min Scan# 2599

Delta R.T. -0.000 min

Lab File: VU045007.D

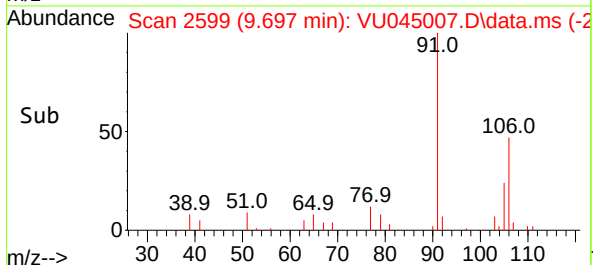
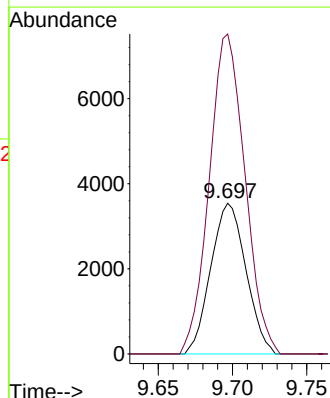
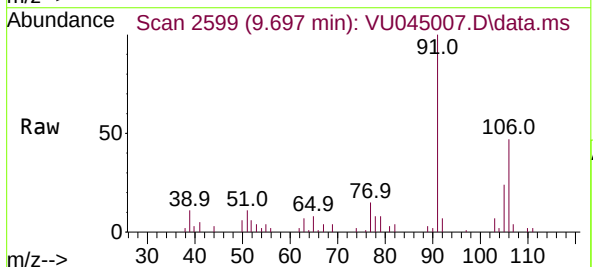
Acq: 29 Sep 2021 20:47

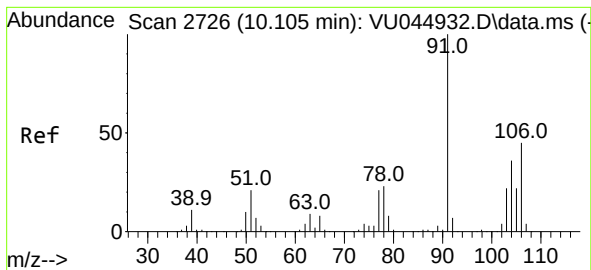
Tgt Ion: 106 Resp: 5835

Ion Ratio Lower Upper

106 100

91 215.4 164.2 246.2

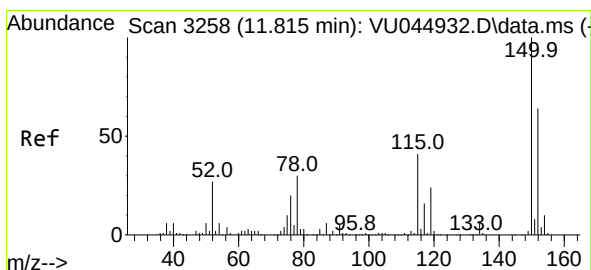
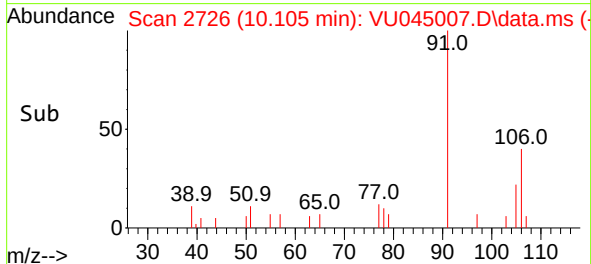
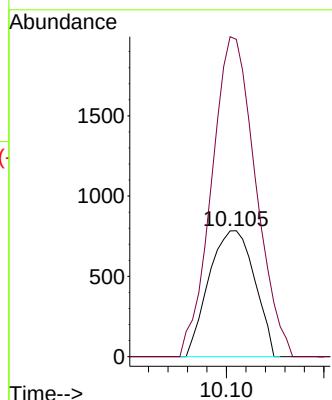
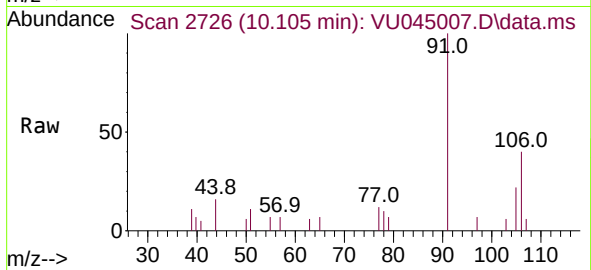




#69
o-Xylene
Concen: 0.250 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. 0.000 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

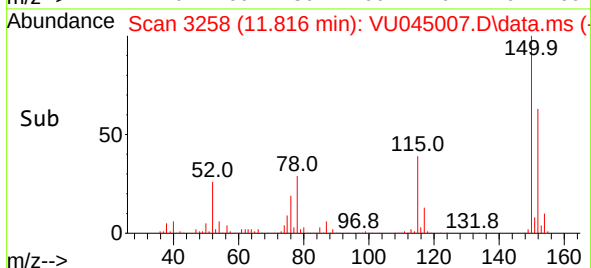
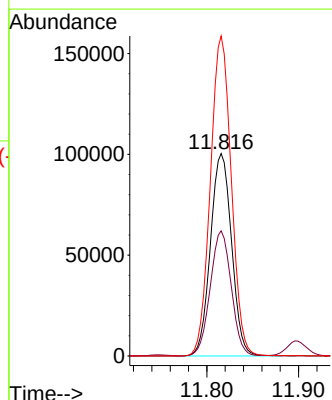
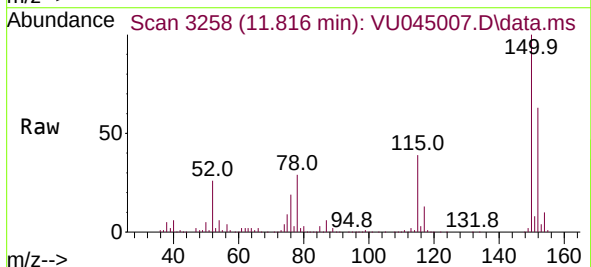
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL

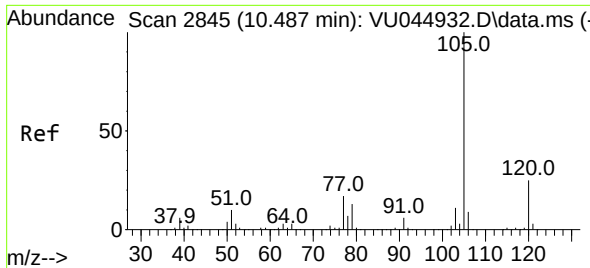
Tgt Ion:106 Resp: 1275
Ion Ratio Lower Upper
106 100
91 244.4 108.9 326.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.001 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

Tgt Ion:152 Resp: 160973
Ion Ratio Lower Upper
152 100
115 61.4 43.5 130.7
150 156.3 0.0 350.0

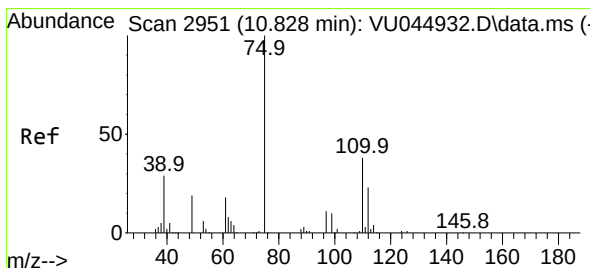
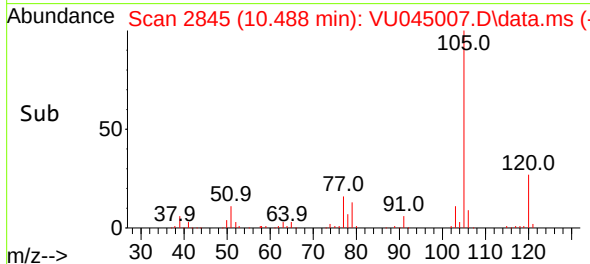
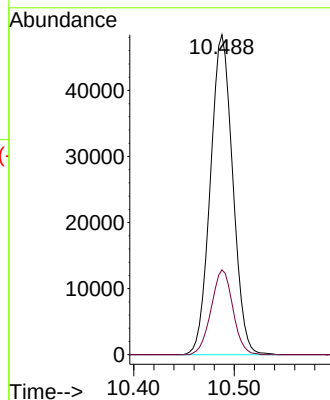
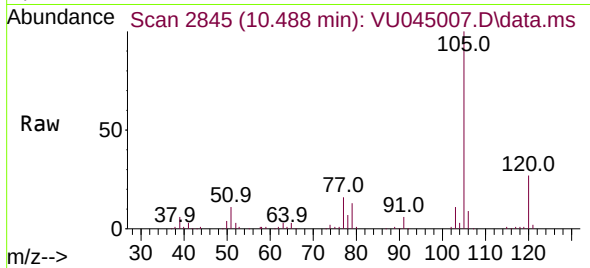




#73
Isopropylbenzene
Concen: 6.247 ug/l
RT: 10.488 min Scan# 2845
Delta R.T. 0.001 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

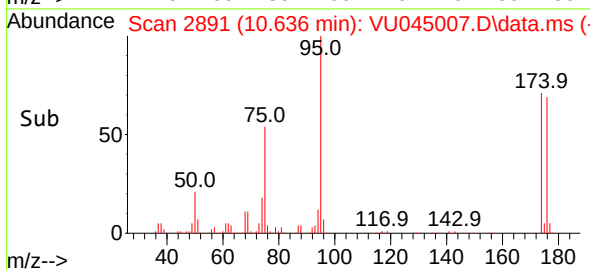
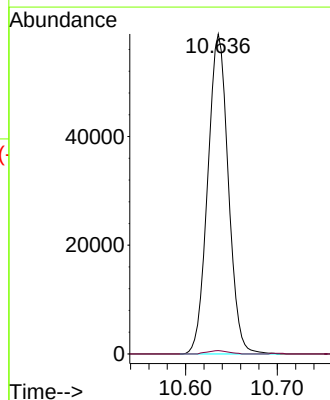
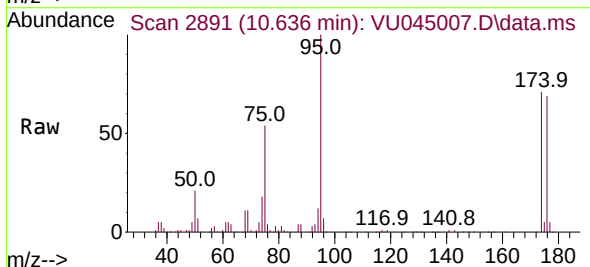
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL

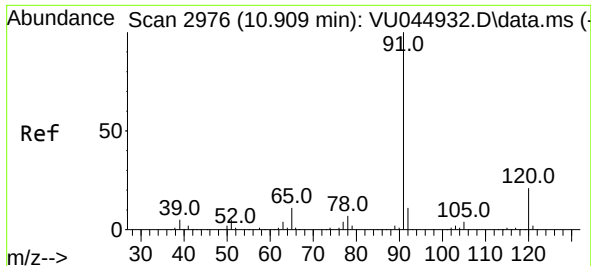
Tgt Ion:105 Resp: 74880
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.3



#76
1,2,3-Trichloropropane
Concen: 19.558 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.192 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

Tgt Ion: 75 Resp: 91832
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#

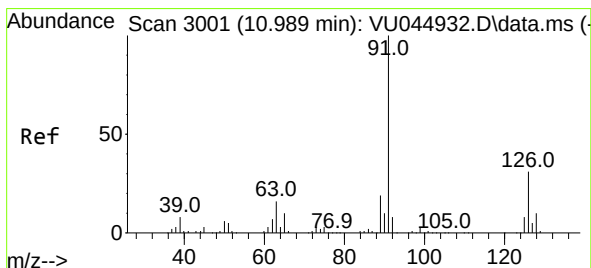
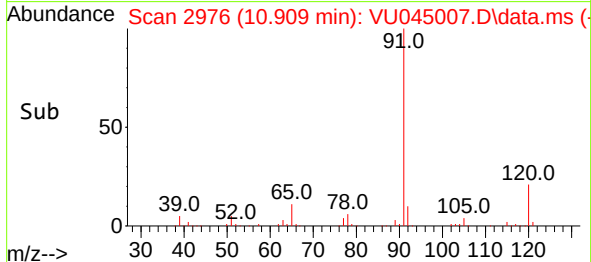
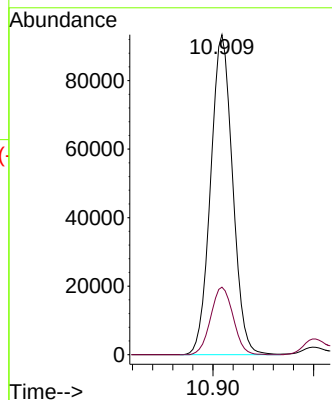
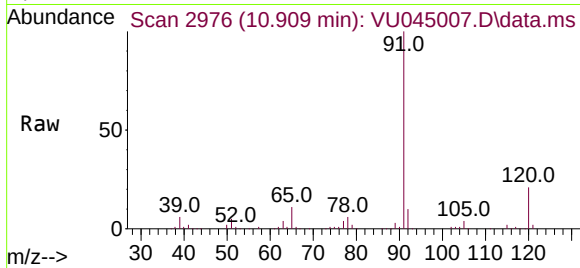




#78
n-propylbenzene
Concen: 9.695 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.000 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

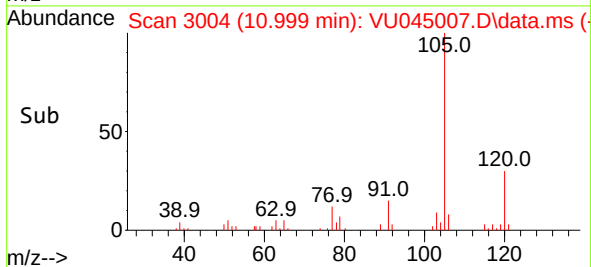
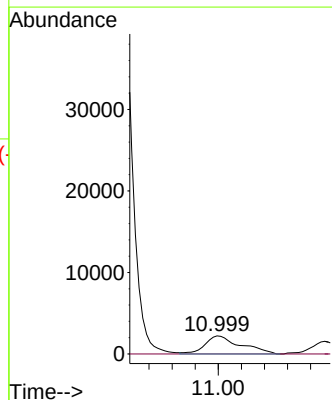
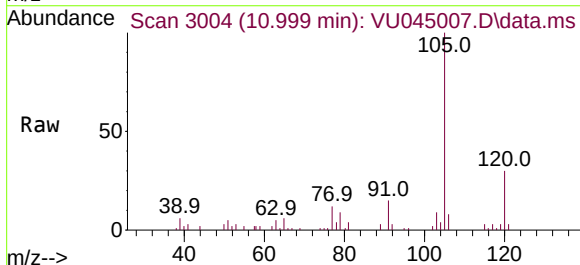
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL

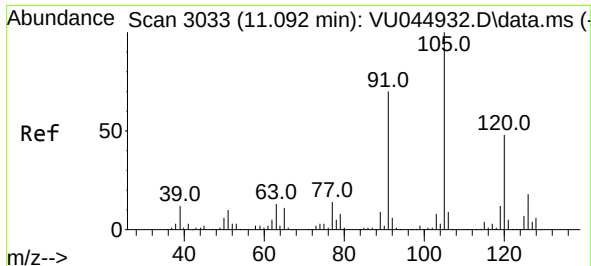
Tgt Ion: 91 Resp: 141633
Ion Ratio Lower Upper
91 100
120 21.5 10.8 32.4



#79
2-Chlorotoluene
Concen: 0.522 ug/l
RT: 10.999 min Scan# 3004
Delta R.T. 0.010 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

Tgt Ion: 91 Resp: 4777
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.0#

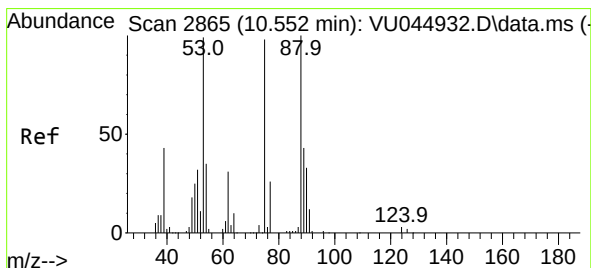
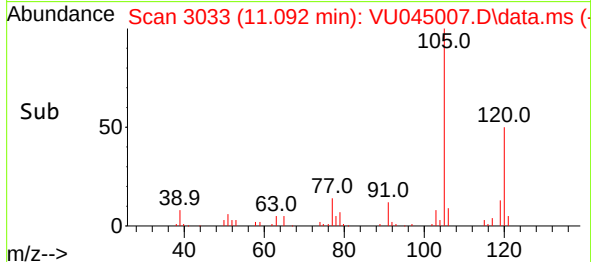
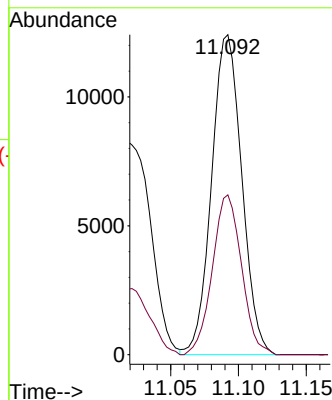
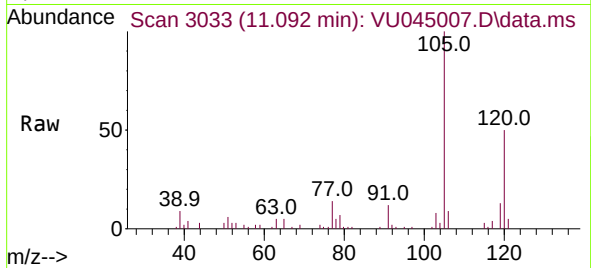




#80
1,3,5-Trimethylbenzene
Concen: 1.831 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

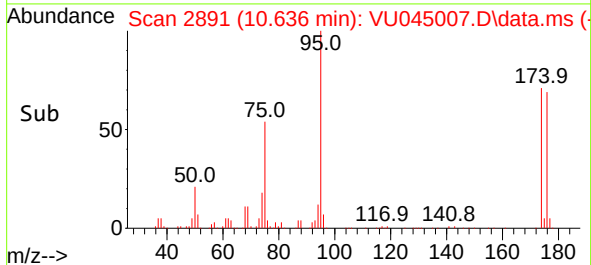
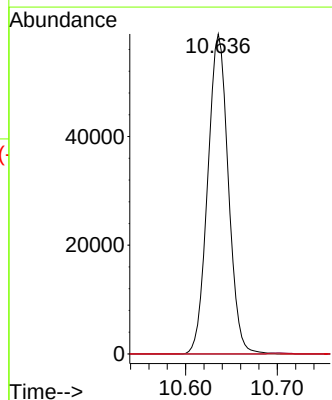
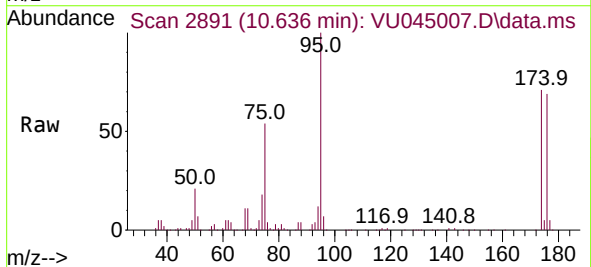
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL

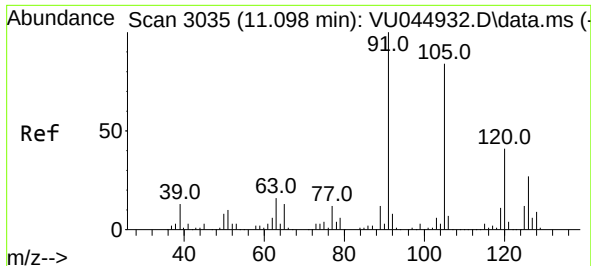
Tgt Ion:105 Resp: 19229
Ion Ratio Lower Upper
105 100
120 48.3 24.1 72.2



#81
trans-1,4-Dichloro-2-butene
Concen: 54.278 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

Tgt Ion: 75 Resp: 91832
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

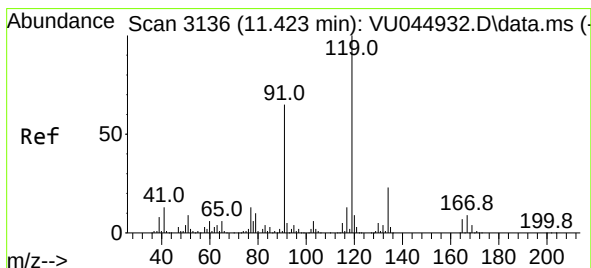
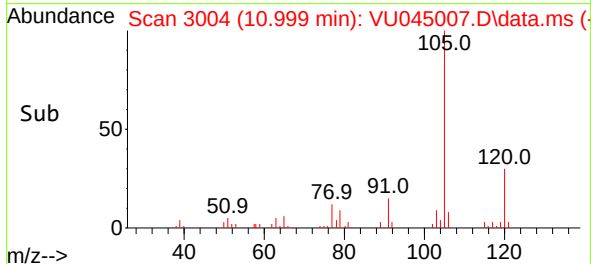
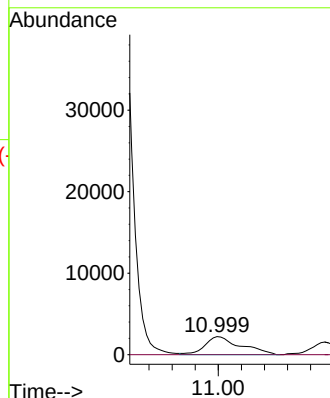
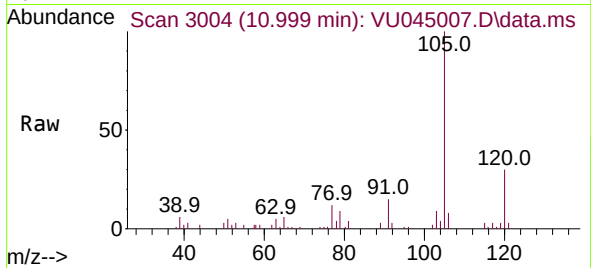




#82
4-Chlorotoluene
Concen: 0.462 ug/l
RT: 10.999 min Scan# 3004
Delta R.T. -0.099 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

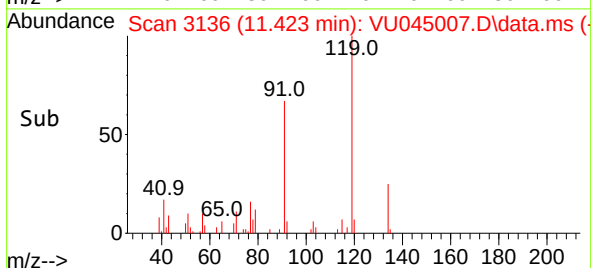
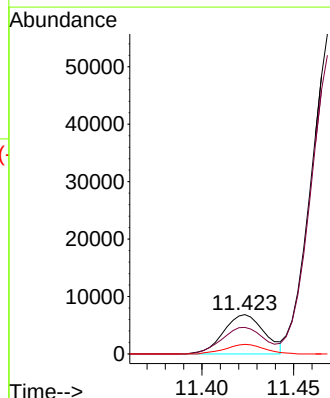
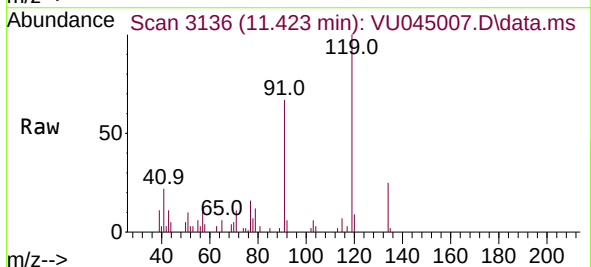
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL

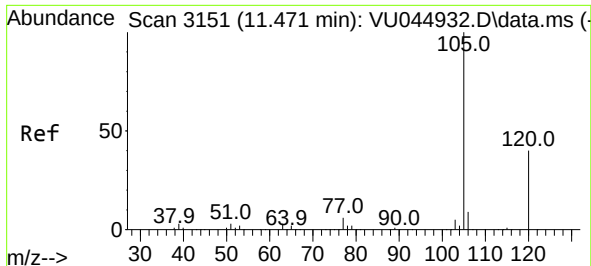
Tgt Ion: 91 Resp: 4777
Ion Ratio Lower Upper
91 100
126 0.0 13.8 41.4#



#83
tert-Butylbenzene
Concen: 1.036 ug/l
RT: 11.423 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

Tgt Ion: 119 Resp: 10583
Ion Ratio Lower Upper
119 100
91 68.6 30.4 91.2
134 23.3 11.5 34.5

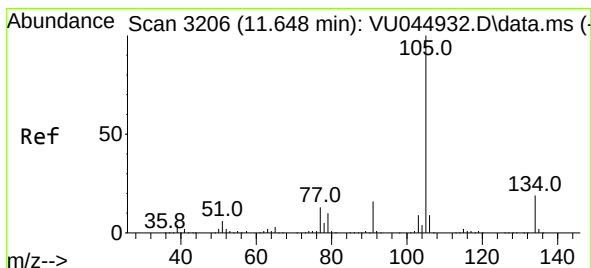
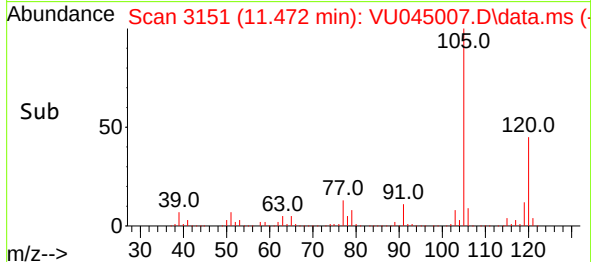
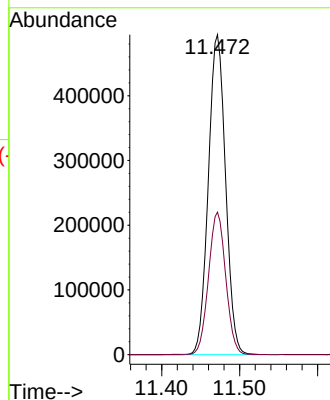
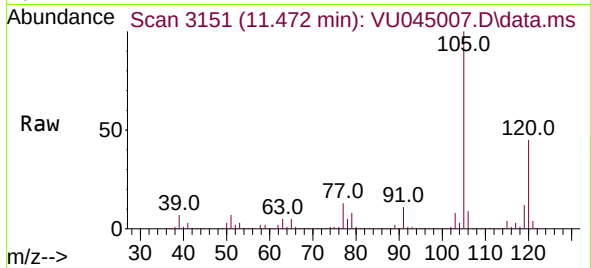




#84
1,2,4-Trimethylbenzene
Concen: 72.945 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.001 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

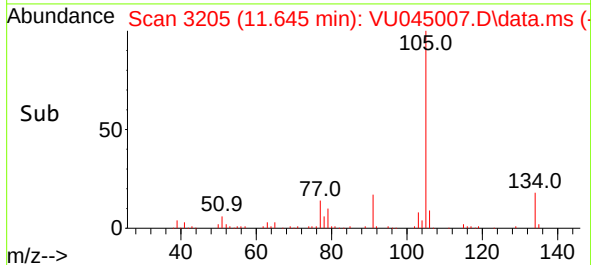
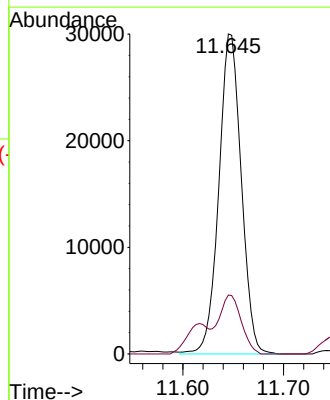
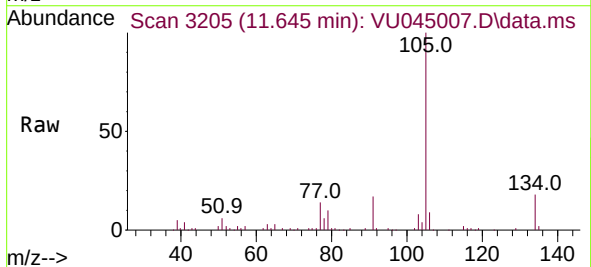
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL

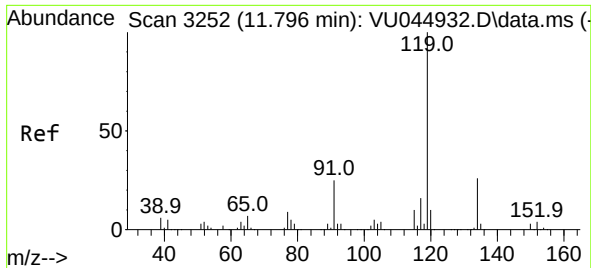
Tgt Ion:105 Resp: 757852
Ion Ratio Lower Upper
105 100
120 44.4 22.4 67.3



#85
sec-Butylbenzene
Concen: 3.534 ug/l
RT: 11.645 min Scan# 3205
Delta R.T. -0.003 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

Tgt Ion:105 Resp: 46483
Ion Ratio Lower Upper
105 100
134 17.9 9.3 28.0

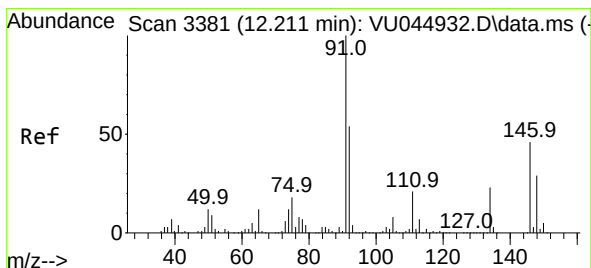
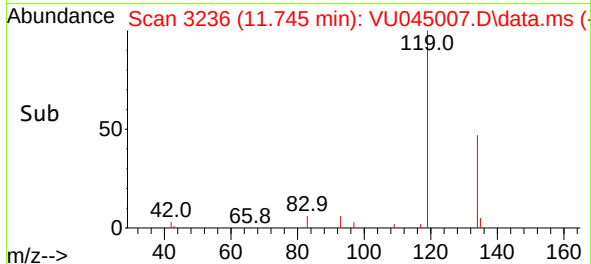
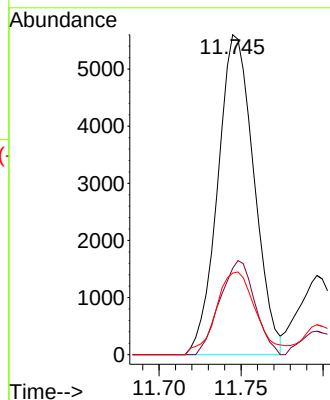
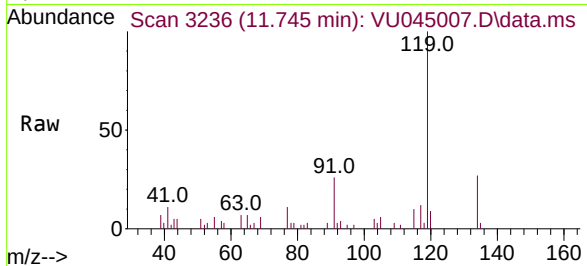




#86
p-Isopropyltoluene
Concen: 0.811 ug/l
RT: 11.745 min Scan# 3236
Delta R.T. -0.051 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

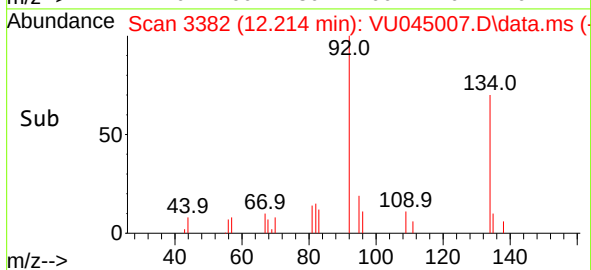
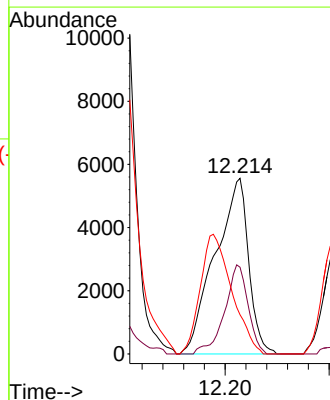
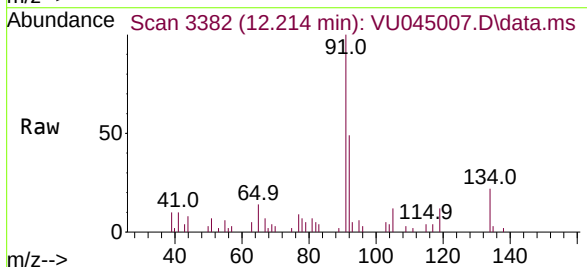
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL

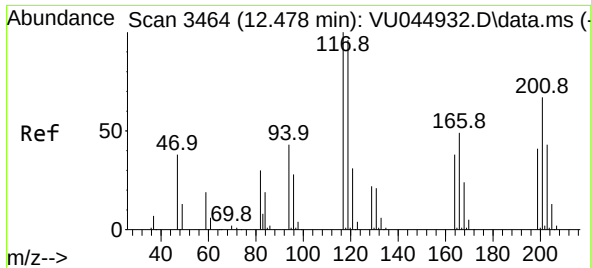
Tgt Ion:	119	Resp:	8581
Ion	Ratio	Lower	Upper
119	100		
134	28.3	12.8	38.3
91	28.3	12.2	36.6



#89
n-Butylbenzene
Concen: 1.274 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

Tgt Ion:	91	Resp:	12421
Ion	Ratio	Lower	Upper
91	100		
92	35.4	26.8	80.4
134	0.0	11.8	35.4#

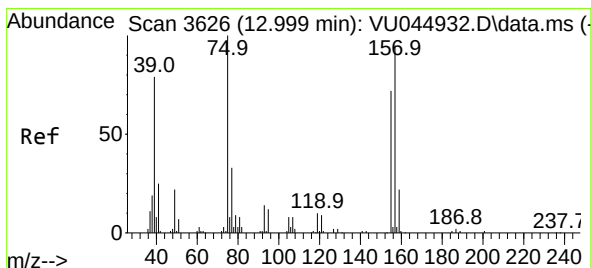
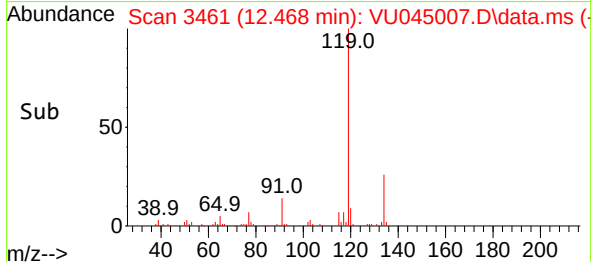
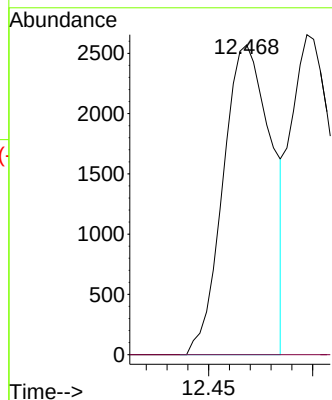
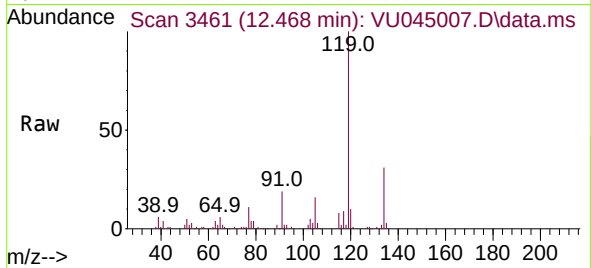




#90
Hexachloroethane
Concen: 2.171 ug/l
RT: 12.468 min Scan# 3461
Delta R.T. -0.010 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

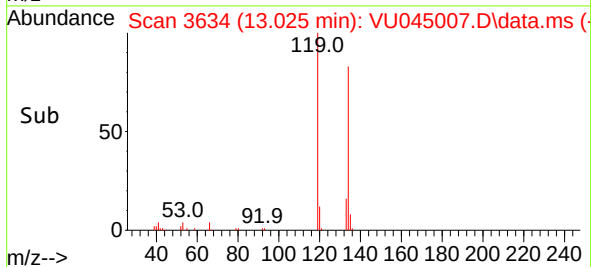
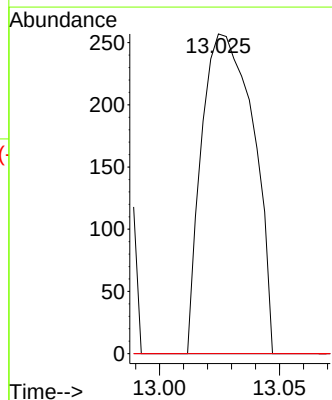
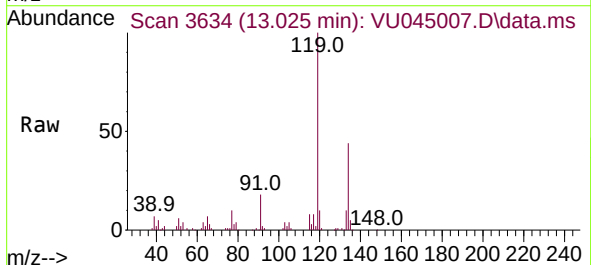
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL

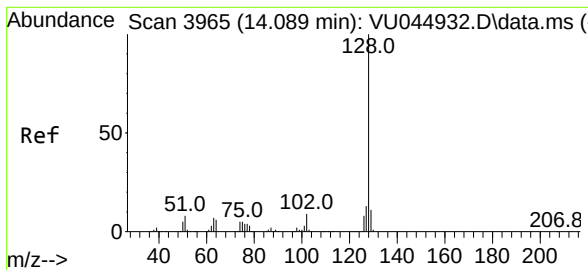
Tgt Ion:117 Resp: 4148
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.314 ug/l
RT: 13.025 min Scan# 3634
Delta R.T. 0.026 min
Lab File: VU045007.D
Acq: 29 Sep 2021 20:47

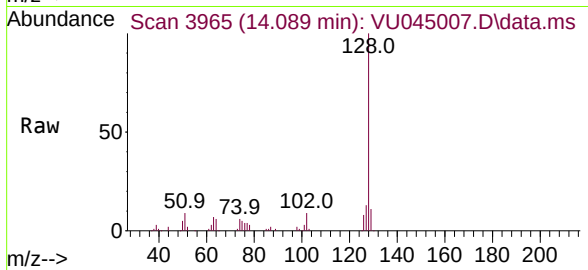
Tgt Ion: 75 Resp: 384
Ion Ratio Lower Upper
75 100
155 0.0 36.9 110.6#
157 0.0 47.8 143.3#





#95
 Naphthalene
 Concen: 4.106 ug/l
 RT: 14.089 min Scan# 3965
 Delta R.T. -0.000 min
 Lab File: VU045007.D
 Acq: 29 Sep 2021 20:47

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-1-MW-4-0921DL



Tgt Ion:	128	Resp:	48763
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	11.0	8.6	13.0

