

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044981.D
 Acq On : 29 Sep 2021 07:38
 Operator : SY/MD
 Sample : M3926-04 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 56 Sample Multiplier: 1

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

Quant Time: Sep 29 08:00:10 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)

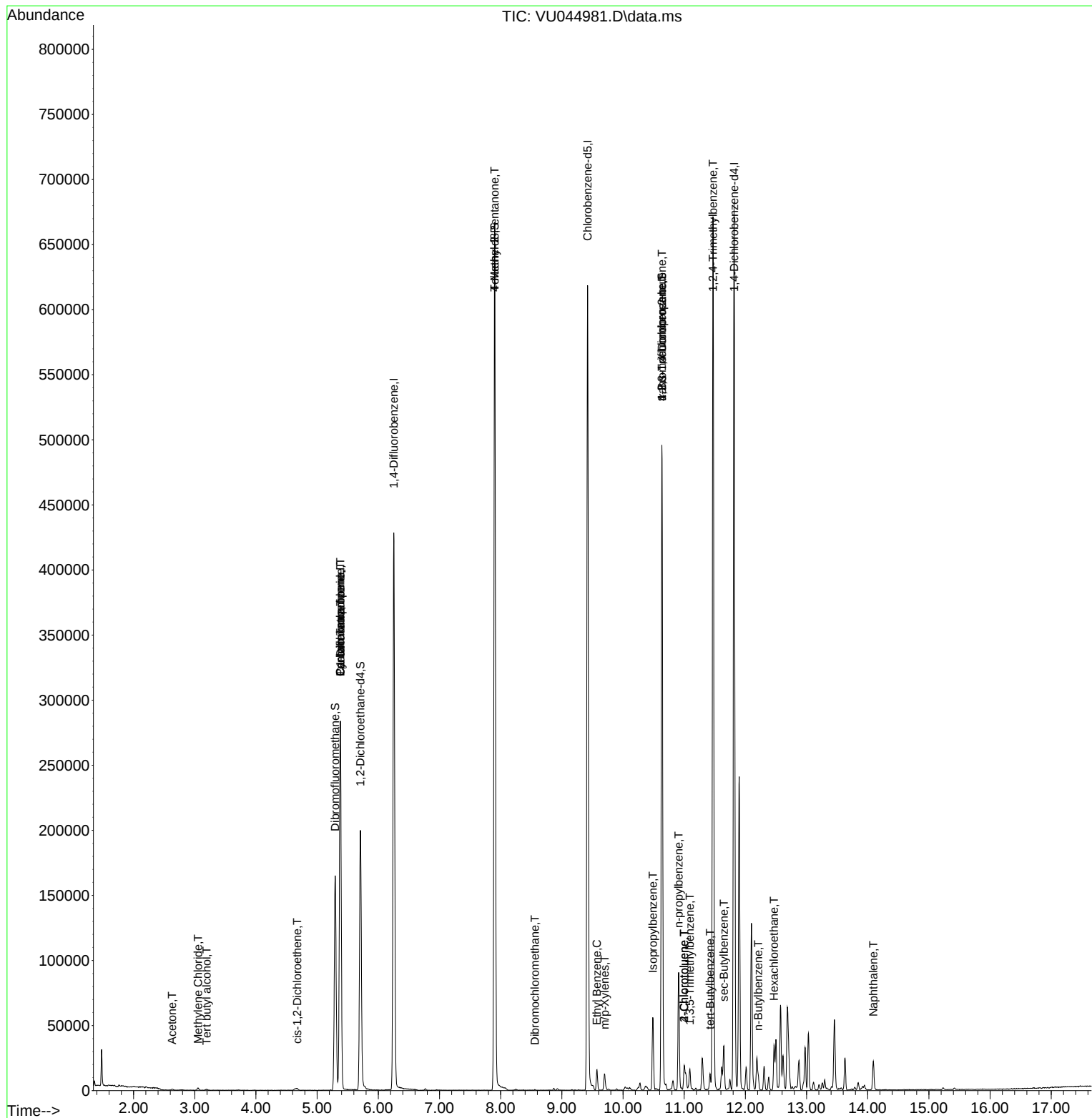
Internal Standards						
1) Pentafluorobenzene	5.379	168	185848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	332116	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	328563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	165040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	154888	50.066	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.140%	
35) Dibromofluoromethane	5.295	113	108643	51.856	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.720%	
50) Toluene-d8	7.903	98	432574	52.255	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.520%	
62) 4-Bromofluorobenzene	10.636	95	164208	48.047	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.195	59	610	0.687	ug/l #	72
16) Acetone	2.629	43	978	0.533	ug/l	99
20) Methylene Chloride	3.054	84	950	0.343	ug/l	96
27) cis-1,2-Dichloroethene	4.674	96	579	0.203	ug/l	84
31) Cyclohexane	5.379	56	4867	1.036	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	17203	4.953	ug/l #	51
38) Carbon Tetrachloride	5.379	117	19893	6.619	ug/l #	15
51) 4-Methyl-2-Pentanone	7.903	43	2131	0.423	ug/l #	1
60) Dibromochloromethane	8.559	129	44	2.191	ug/l #	10
67) Ethyl Benzene	9.575	91	10912	0.861	ug/l	91
68) m/p-Xylenes	9.700	106	3203	0.650	ug/l	96
73) Isopropylbenzene	10.488	105	35979	2.927	ug/l	99
76) 1,2,3-Trichloropropane	10.636	75	89307	18.552	ug/l #	41
78) n-propylbenzene	10.909	91	70182	4.686	ug/l	99
79) 2-Chlorotoluene	10.999	91	2425	0.258	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.092	105	8858	0.823	ug/l	94
81) trans-1,4-Dichloro-2-b...	10.636	75	89307	51.485	ug/l #	9
82) 4-Chlorotoluene	10.999	91	2425	0.229	ug/l #	47
83) tert-Butylbenzene	11.423	119	4863	0.464	ug/l	87
84) 1,2,4-Trimethylbenzene	11.472	105	364492	34.219	ug/l	100
85) sec-Butylbenzene	11.648	105	22835	1.693	ug/l	99
89) n-Butylbenzene	12.211	91	6618	0.662	ug/l #	71
90) Hexachloroethane	12.468	117	2070	1.057	ug/l #	15
95) Naphthalene	14.092	128	18070	1.484	ug/l	99

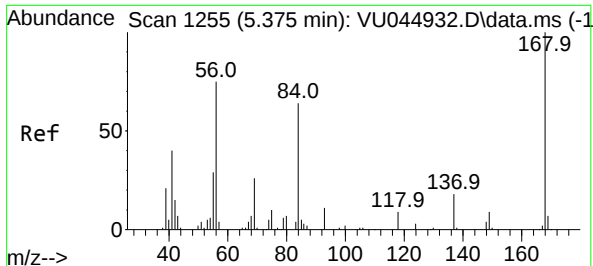
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
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EP-1-MW-4-0921DL

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
Quant Title : SW846 8260
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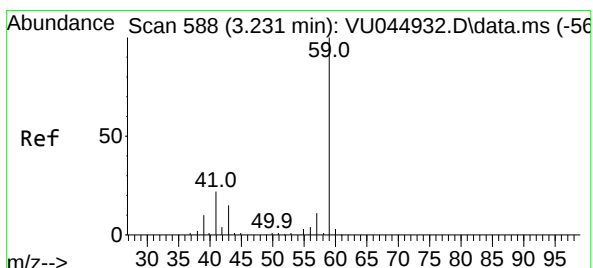
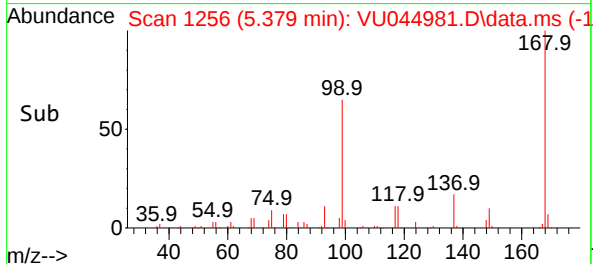
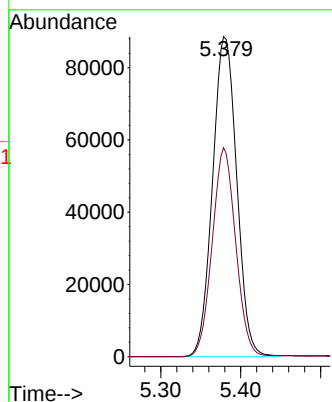
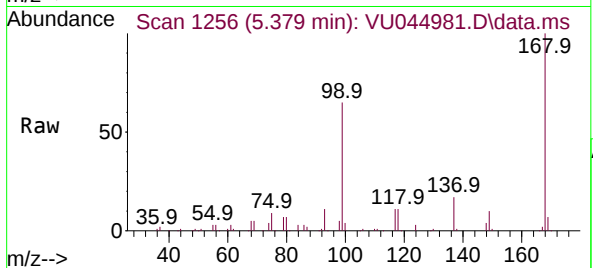




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

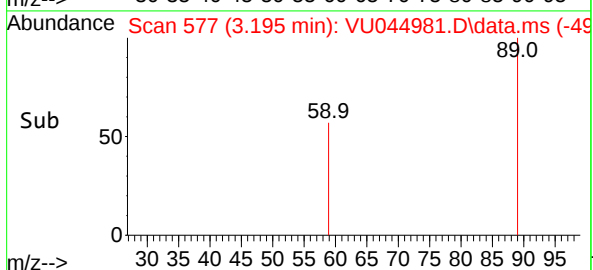
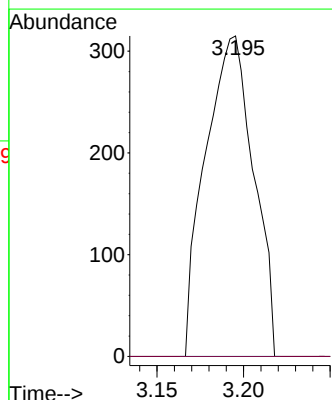
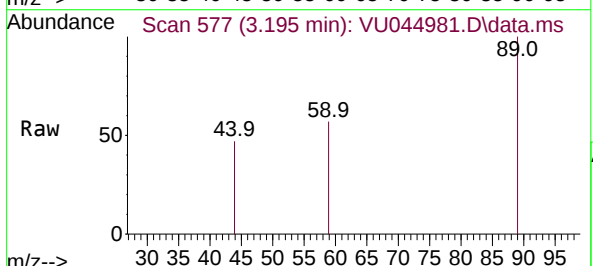
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL

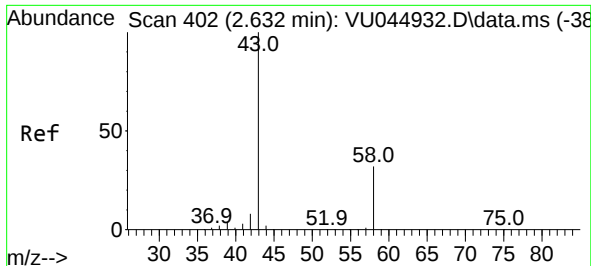
Tgt Ion:168 Resp: 185848
Ion Ratio Lower Upper
168 100
99 65.3 51.4 77.0



#11
Tert butyl alcohol
Concen: 0.687 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.036 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

Tgt Ion: 59 Resp: 610
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 0.533 ug/l

RT: 2.629 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU044981.D

Acq: 29 Sep 2021 07:38

Instrument :

MSVOA_U

ClientSampleId :

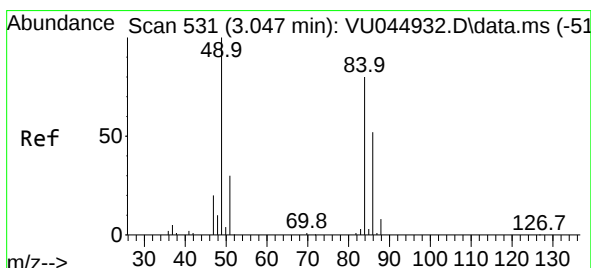
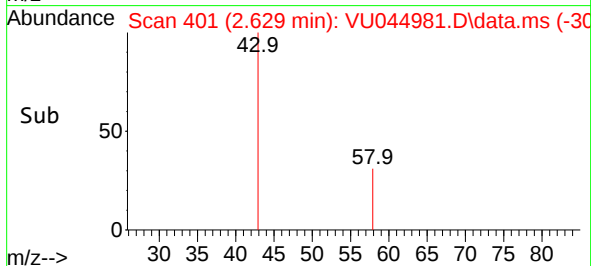
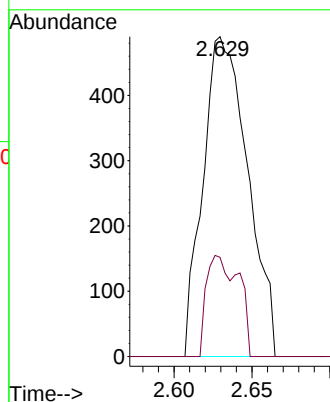
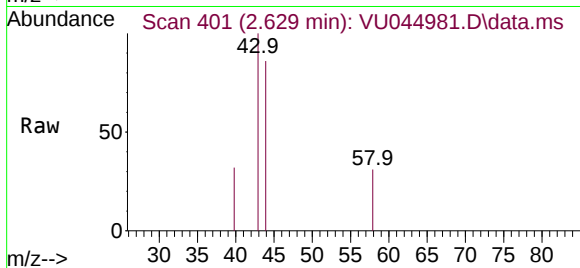
EP-1-MW-4-0921DL

Tgt Ion: 43 Resp: 978

Ion Ratio Lower Upper

43 100

58 31.0 25.2 37.8



#20

Methylene Chloride

Concen: 0.343 ug/l

RT: 3.054 min Scan# 533

Delta R.T. 0.007 min

Lab File: VU044981.D

Acq: 29 Sep 2021 07:38

Tgt Ion: 84 Resp: 950

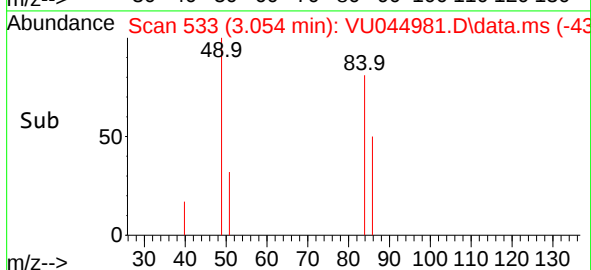
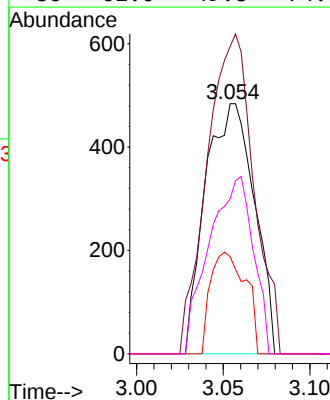
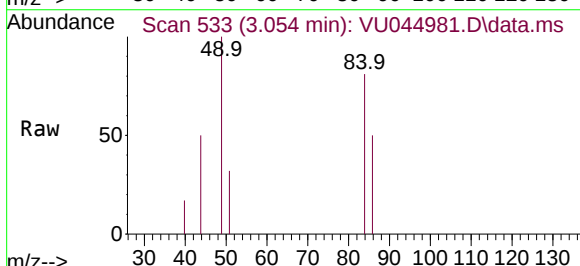
Ion Ratio Lower Upper

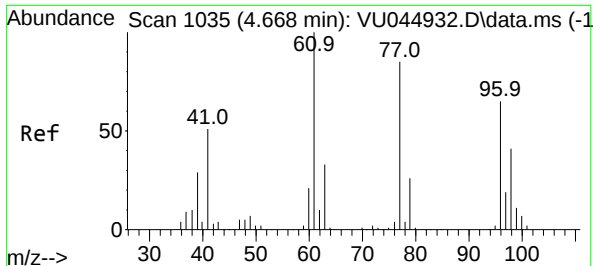
84 100

49 122.9 104.9 157.3

51 38.8 31.8 47.8

86 62.0 49.8 74.6





#27

cis-1,2-Dichloroethene

Concen: 0.203 ug/l

RT: 4.674 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VU044981.D

Acq: 29 Sep 2021 07:38

Instrument :

MSVOA_U

ClientSampleId :

EP-1-MW-4-0921DL

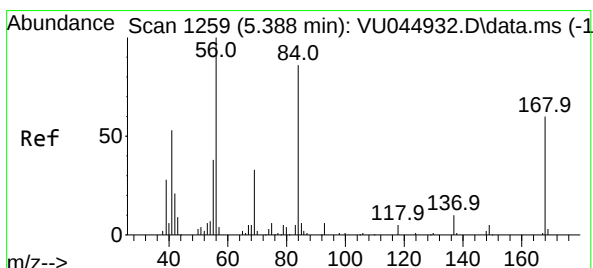
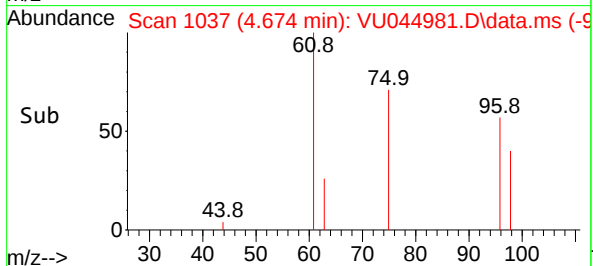
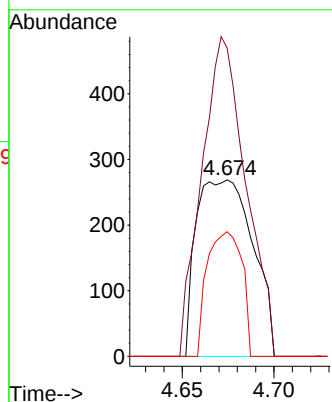
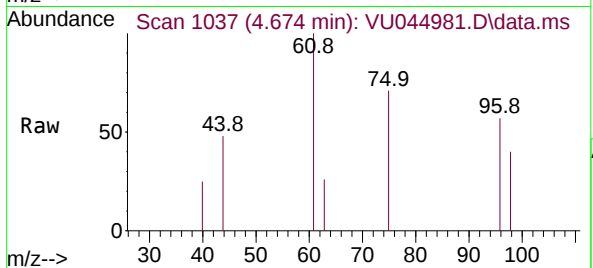
Tgt Ion: 96 Resp: 579

Ion Ratio Lower Upper

96 100

61 140.8 0.0 313.4

98 43.2 0.0 127.0



#31

Cyclohexane

Concen: 1.036 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.009 min

Lab File: VU044981.D

Acq: 29 Sep 2021 07:38

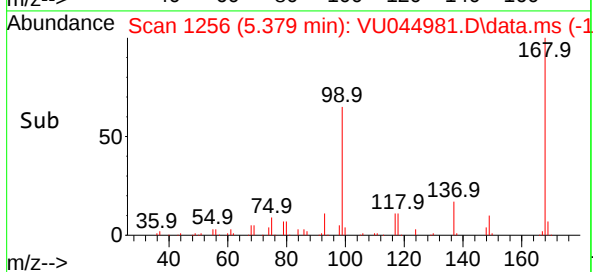
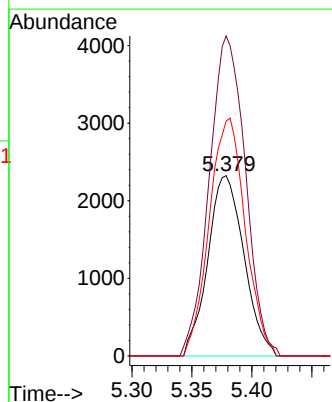
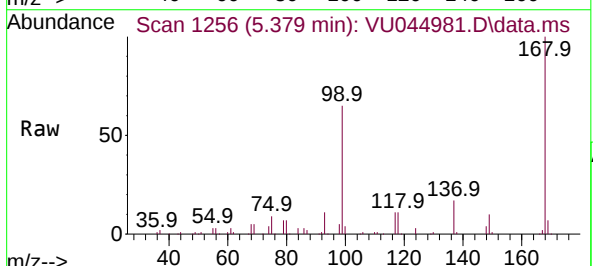
Tgt Ion: 56 Resp: 4867

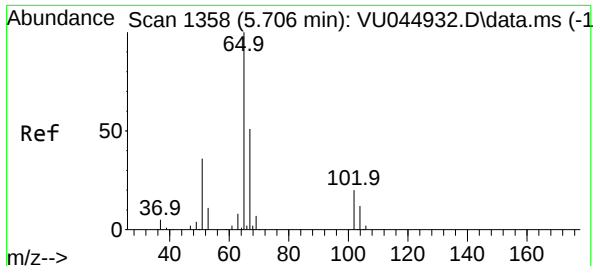
Ion Ratio Lower Upper

56 100

69 177.5 25.2 37.8#

84 130.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 50.066 ug/l

RT: 5.707 min Scan# 1

Delta R.T. 0.001 min

Lab File: VU044981.D

Acq: 29 Sep 2021 07:38

Instrument :

MSVOA_U

ClientSampleId :

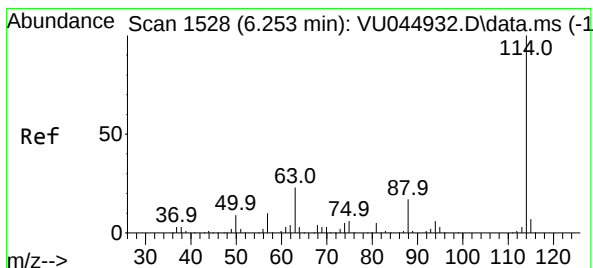
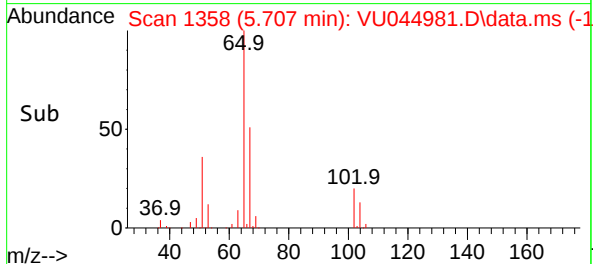
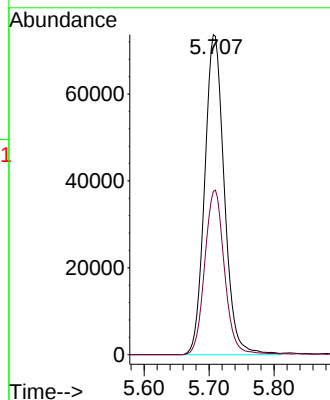
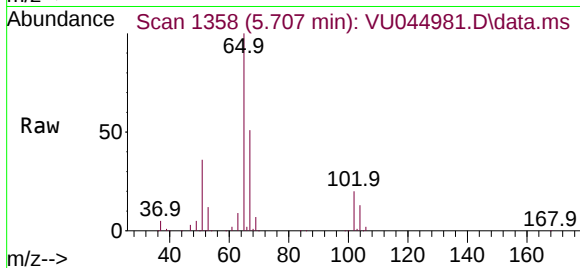
EP-1-MW-4-0921DL

Tgt Ion: 65 Resp: 154888

Ion Ratio Lower Upper

65 100

67 51.6 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: VU044981.D

Acq: 29 Sep 2021 07:38

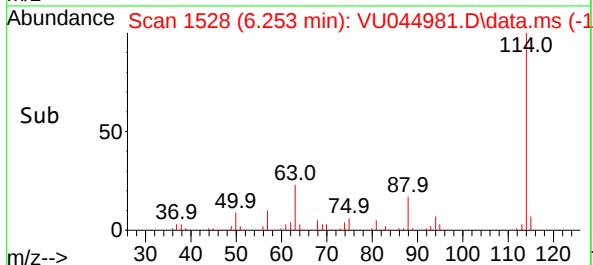
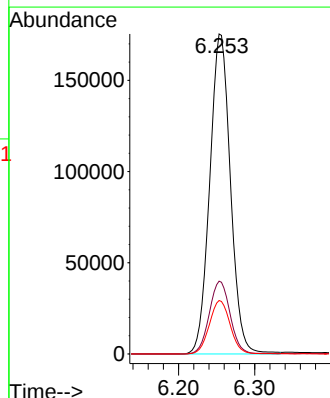
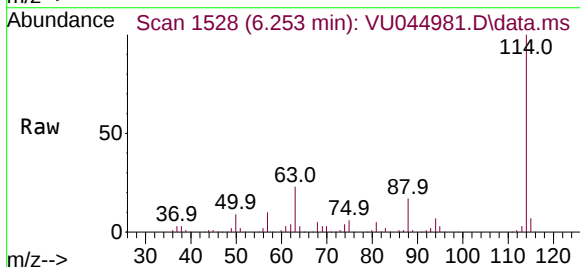
Tgt Ion: 114 Resp: 332116

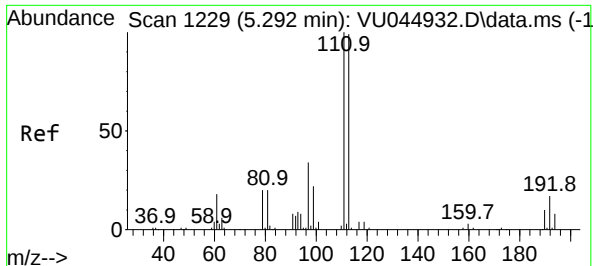
Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.8

88 16.7 0.0 32.8

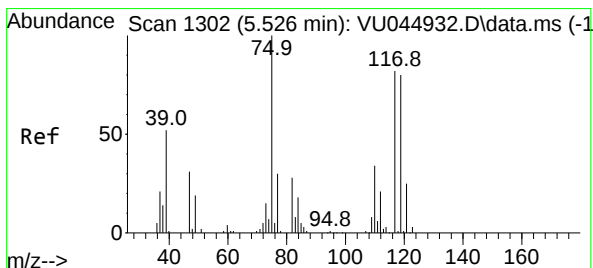
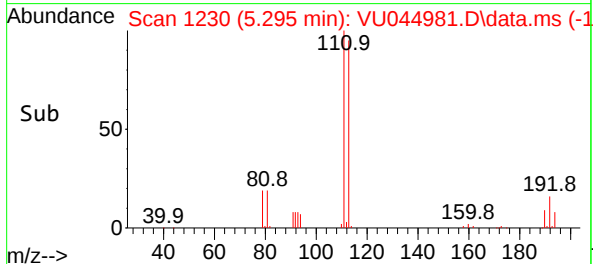
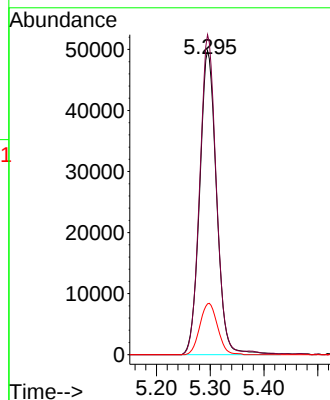
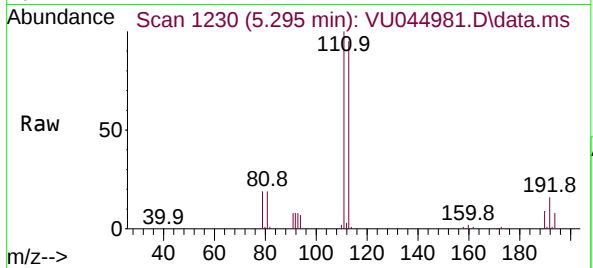




#35
Dibromofluoromethane
Concen: 51.856 ug/l
RT: 5.295 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

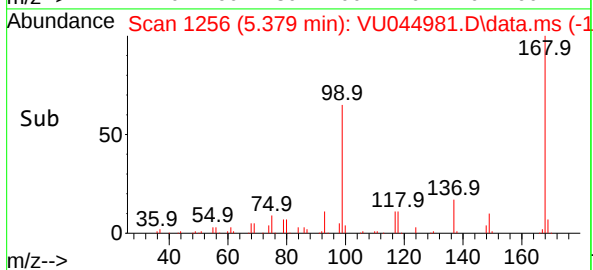
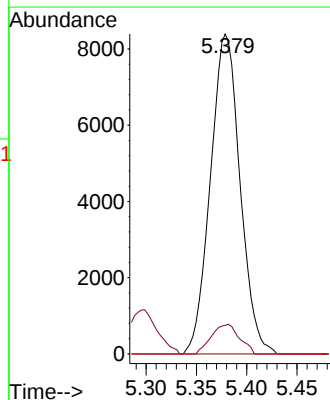
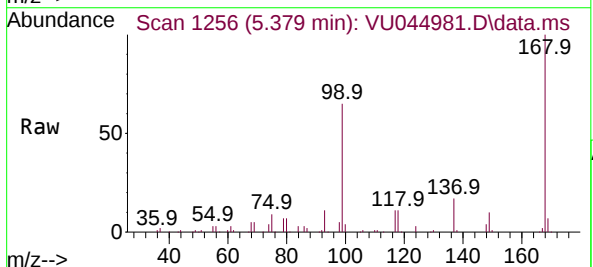
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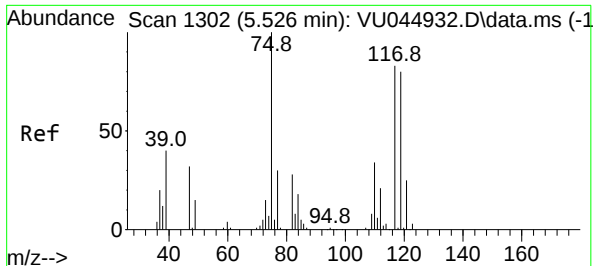
Tgt Ion:113 Resp: 108643
Ion Ratio Lower Upper
113 100
111 102.2 84.1 126.1
192 17.7 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.953 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.147 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

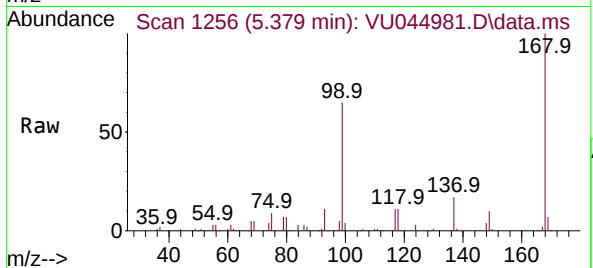
Tgt Ion: 75 Resp: 17203
Ion Ratio Lower Upper
75 100
110 8.8 16.3 48.9#
77 0.0 25.0 37.4#



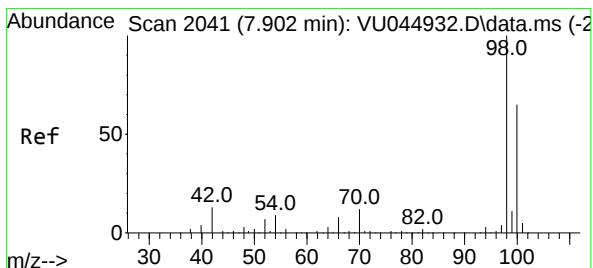
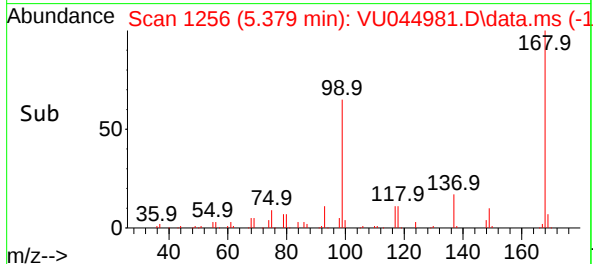
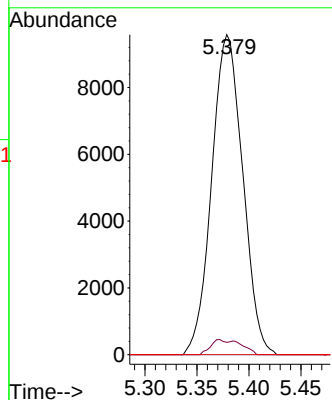


#38
Carbon Tetrachloride
Concen: 6.619 ug/l
RT: 5.379 min Scan# 117
Delta R.T. -0.147 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

Instrument :
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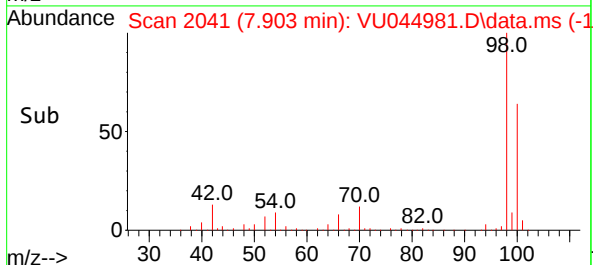
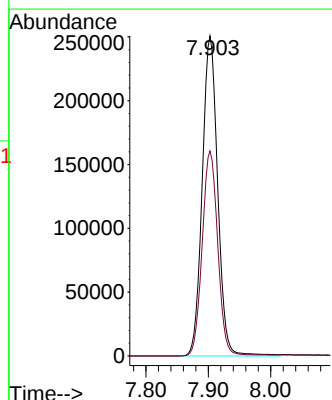
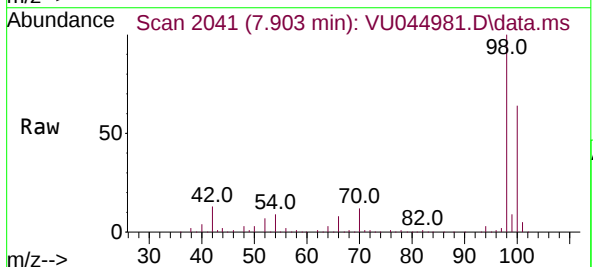


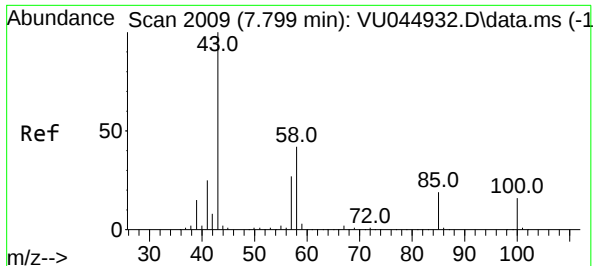
Tgt Ion:117 Resp: 19893
Ion Ratio Lower Upper
117 100
119 3.9 77.4 116.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 52.255 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

Tgt Ion: 98 Resp: 432574
Ion Ratio Lower Upper
98 100
100 64.4 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.423 ug/l

RT: 7.903 min Scan# 2009

Delta R.T. 0.104 min

Lab File: VU044981.D

Acq: 29 Sep 2021 07:38

Instrument :

MSVOA_U

ClientSampleId :

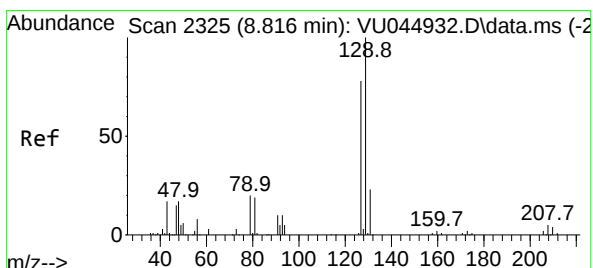
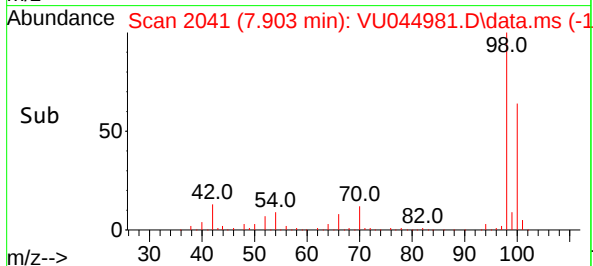
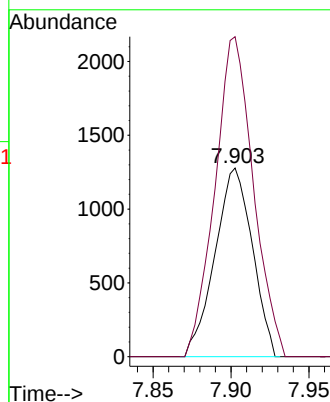
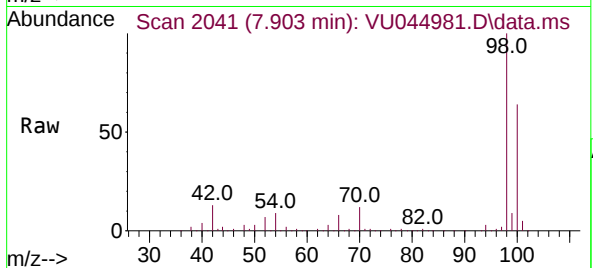
EP-1-MW-4-0921DL

Tgt Ion: 43 Resp: 2131

Ion Ratio Lower Upper

43 100

58 174.2 32.4 48.6#



#60

Dibromochloromethane

Concen: 2.191 ug/l

RT: 8.559 min Scan# 2245

Delta R.T. -0.258 min

Lab File: VU044981.D

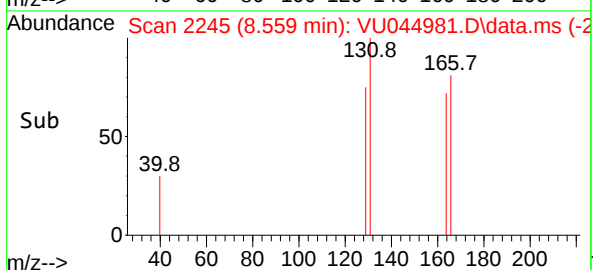
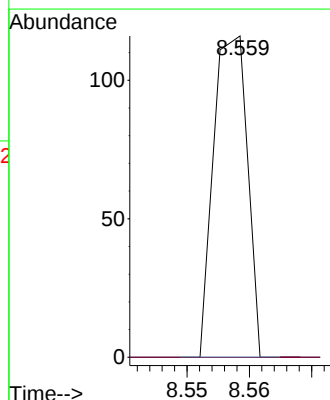
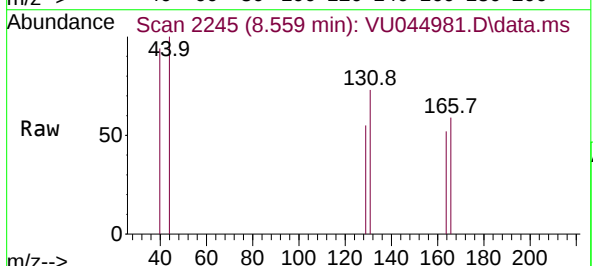
Acq: 29 Sep 2021 07:38

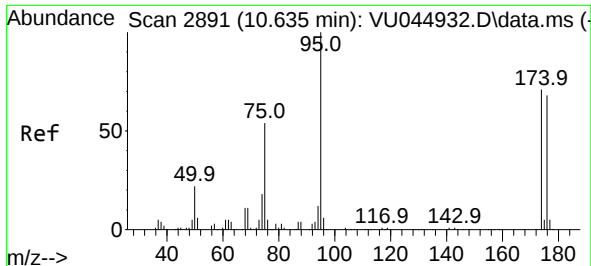
Tgt Ion: 129 Resp: 44

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#

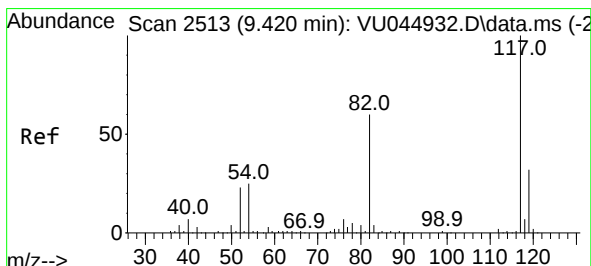
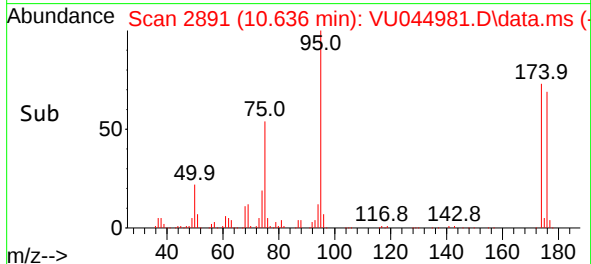
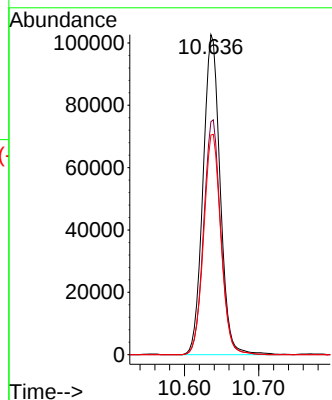
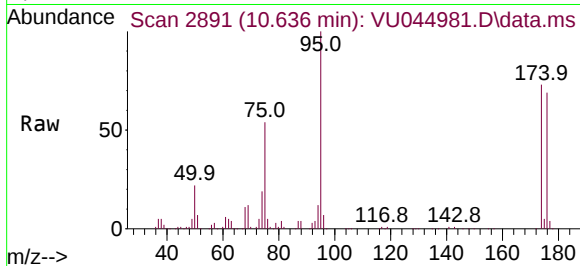




#62
4-Bromofluorobenzene
Concen: 48.047 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

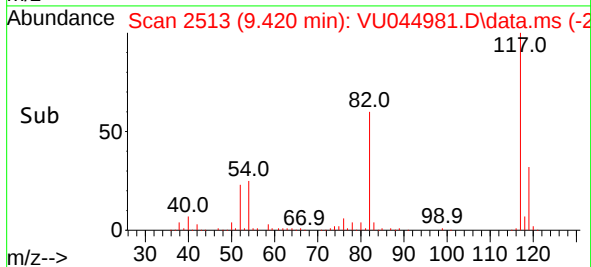
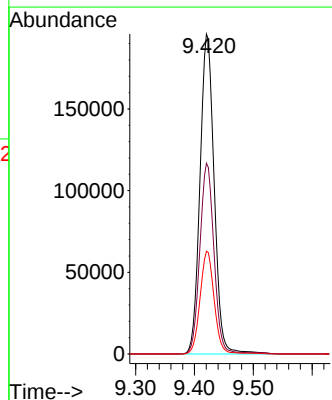
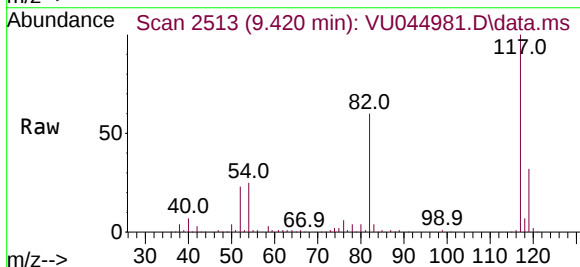
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL

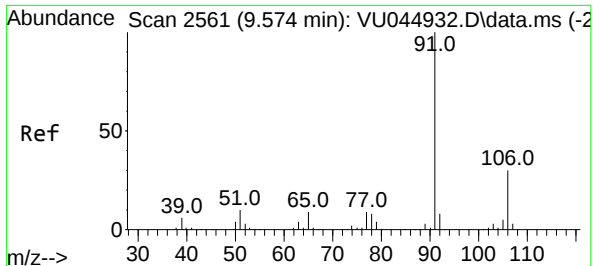
Tgt Ion: 95 Resp: 164208
Ion Ratio Lower Upper
95 100
174 73.1 0.0 146.6
176 69.4 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

Tgt Ion: 117 Resp: 328563
Ion Ratio Lower Upper
117 100
82 59.6 47.8 71.8
119 32.1 25.8 38.6





#67

Ethyl Benzene

Concen: 0.861 ug/l

RT: 9.575 min Scan# 21

Delta R.T. 0.001 min

Lab File: VU044981.D

Acq: 29 Sep 2021 07:38

Instrument :

MSVOA_U

ClientSampleId :

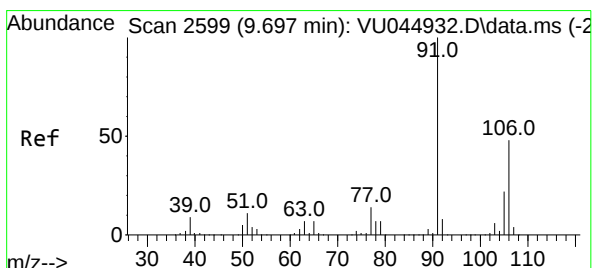
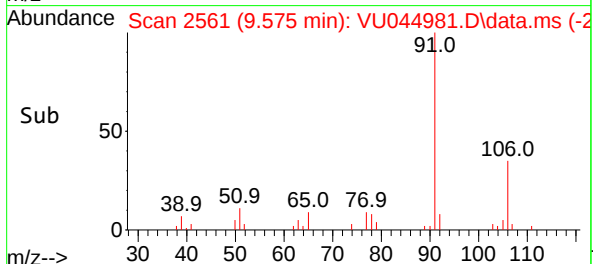
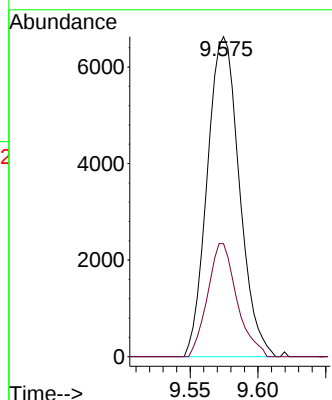
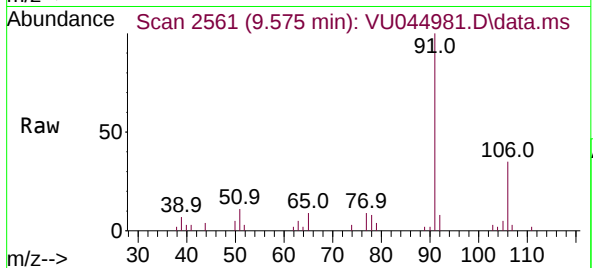
EP-1-MW-4-0921DL

Tgt Ion: 91 Resp: 10912

Ion Ratio Lower Upper

91 100

106 35.3 24.3 36.5



#68

m/p-Xylenes

Concen: 0.650 ug/l

RT: 9.700 min Scan# 2600

Delta R.T. 0.003 min

Lab File: VU044981.D

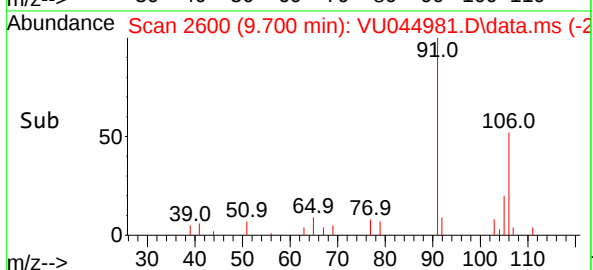
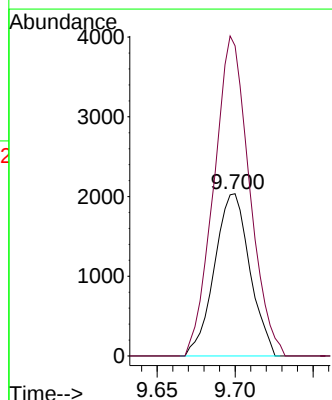
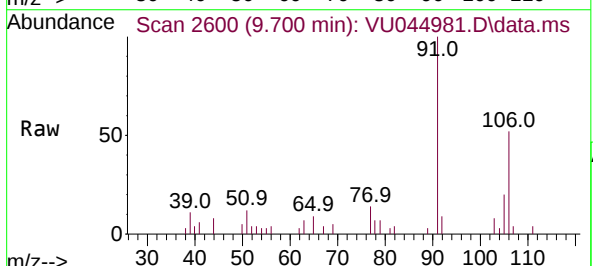
Acq: 29 Sep 2021 07:38

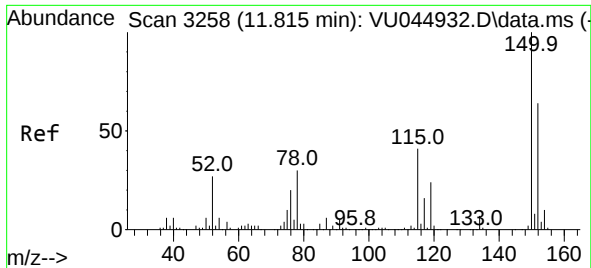
Tgt Ion: 106 Resp: 3203

Ion Ratio Lower Upper

106 100

91 198.7 164.2 246.2

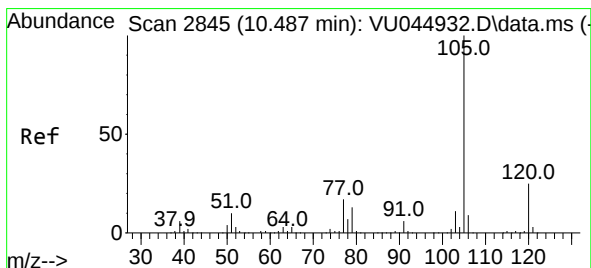
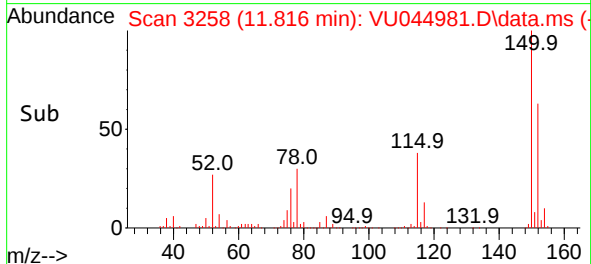
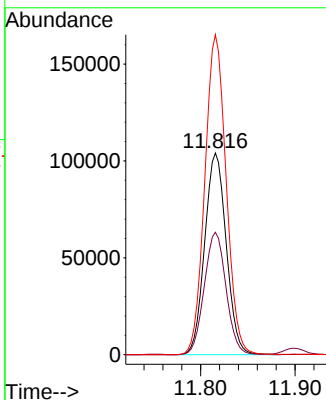
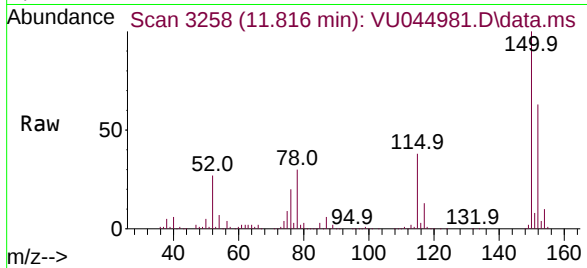




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 31
Delta R.T. 0.001 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

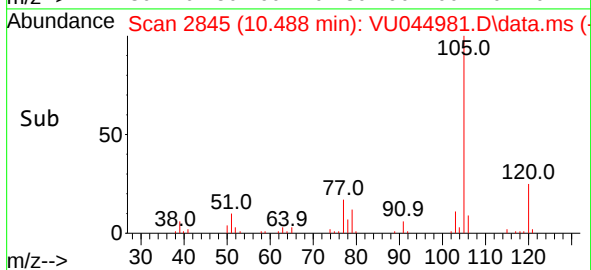
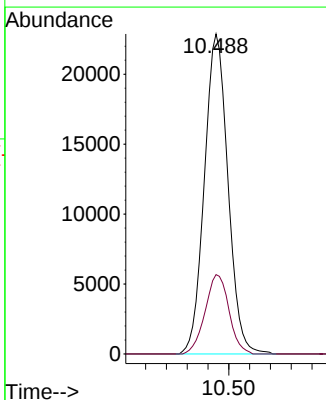
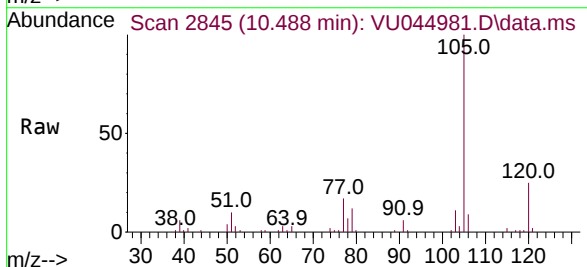
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL

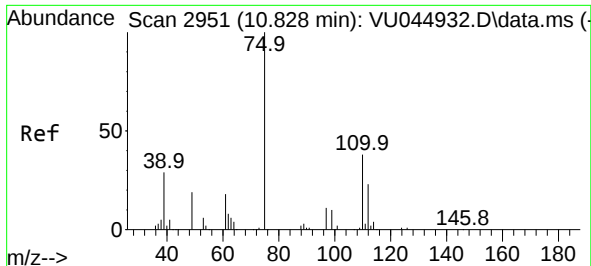
Tgt Ion:152 Resp: 165040
Ion Ratio Lower Upper
152 100
115 61.3 43.5 130.7
150 156.8 0.0 350.0



#73
Isopropylbenzene
Concen: 2.927 ug/l
RT: 10.488 min Scan# 2845
Delta R.T. 0.001 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

Tgt Ion:105 Resp: 35979
Ion Ratio Lower Upper
105 100
120 25.1 12.8 38.3

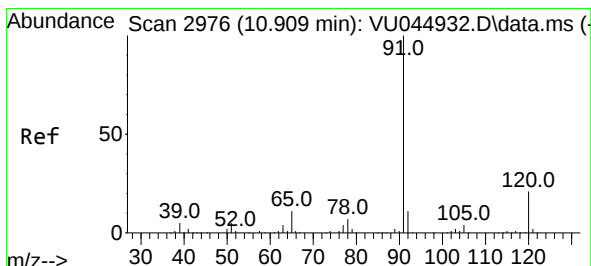
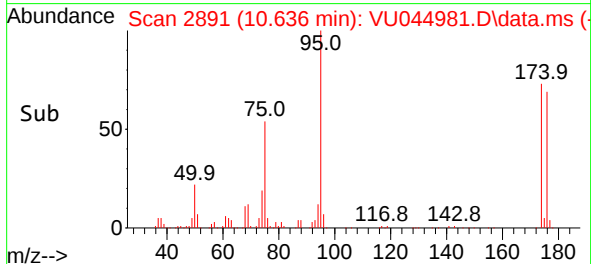
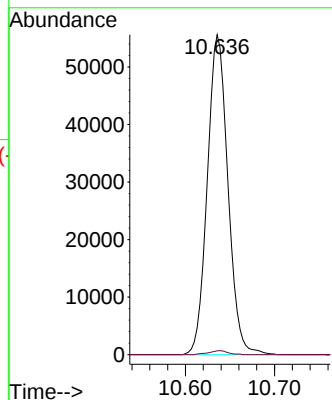
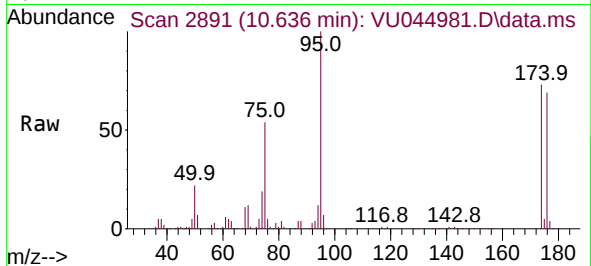




#76
1,2,3-Trichloropropane
Concen: 18.552 ug/l
RT: 10.636 min Scan# 21
Delta R.T. -0.192 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

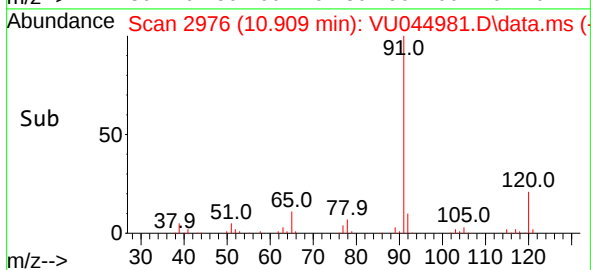
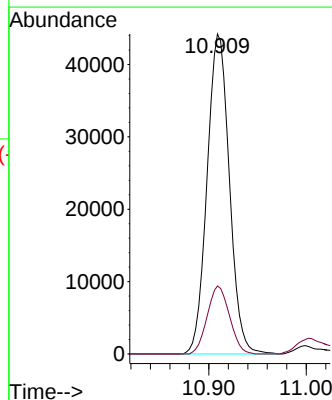
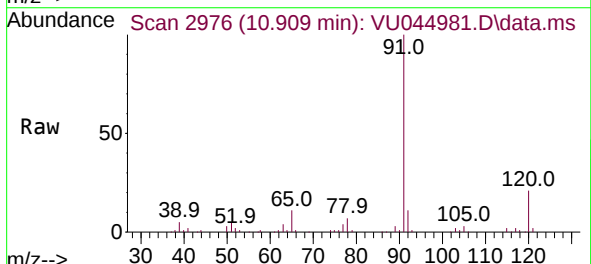
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL

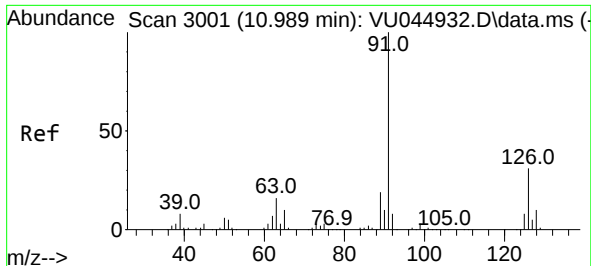
Tgt Ion: 75 Resp: 89307
Ion Ratio Lower Upper
75 100
77 1.2 17.9 53.7#



#78
n-propylbenzene
Concen: 4.686 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.000 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

Tgt Ion: 91 Resp: 70182
Ion Ratio Lower Upper
91 100
120 21.2 10.8 32.4

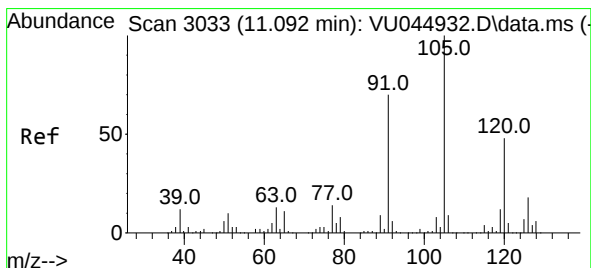
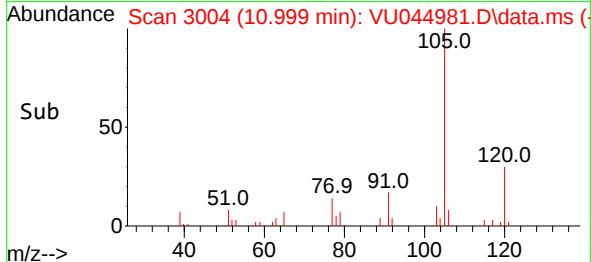
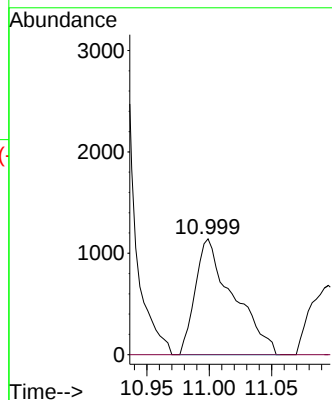
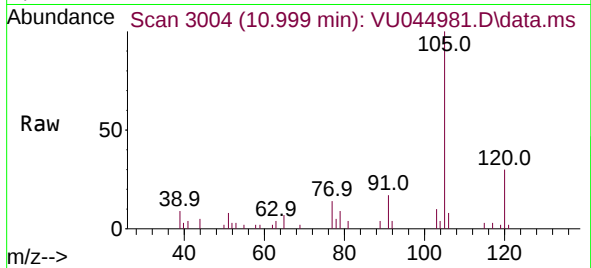




#79
2-Chlorotoluene
Concen: 0.258 ug/l
RT: 10.999 min Scan# 3004
Delta R.T. 0.010 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

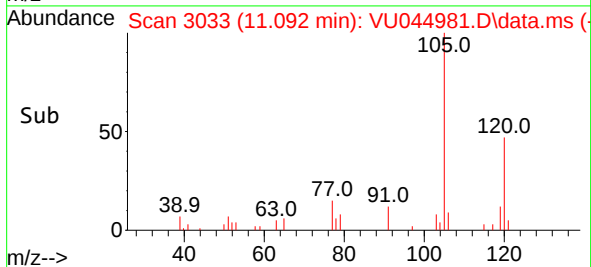
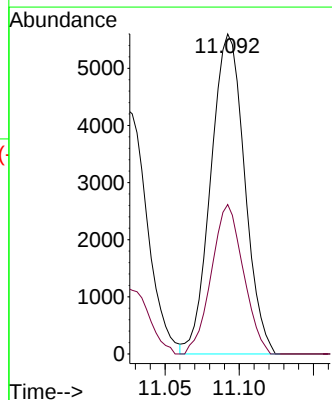
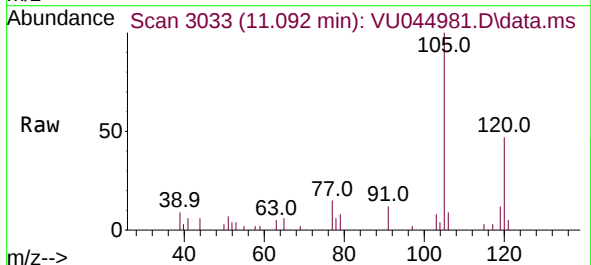
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL

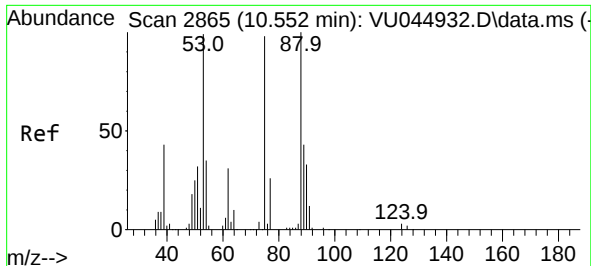
Tgt Ion: 91 Resp: 2425
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.823 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

Tgt Ion: 105 Resp: 8858
Ion Ratio Lower Upper
105 100
120 44.1 24.1 72.2

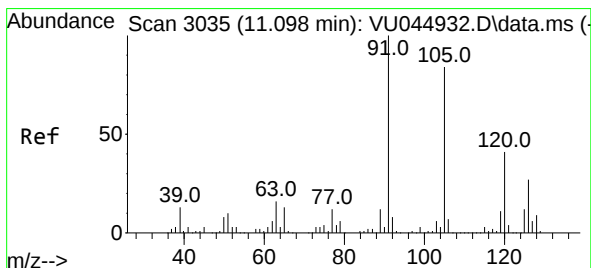
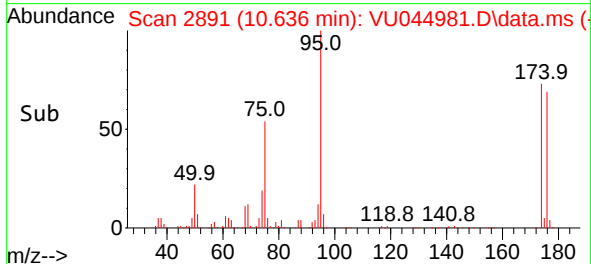
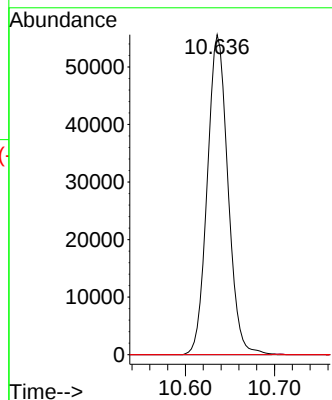
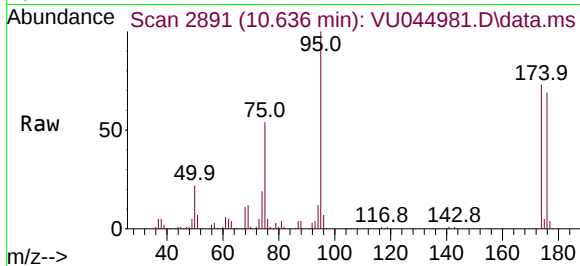




#81
trans-1,4-Dichloro-2-butene
Concen: 51.485 ug/l
RT: 10.636 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

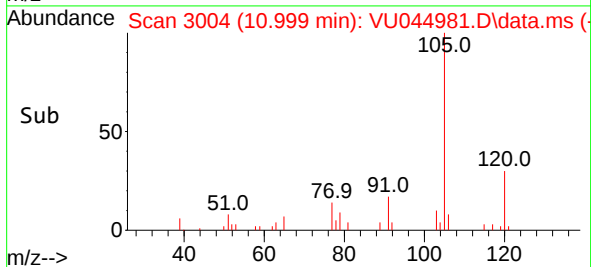
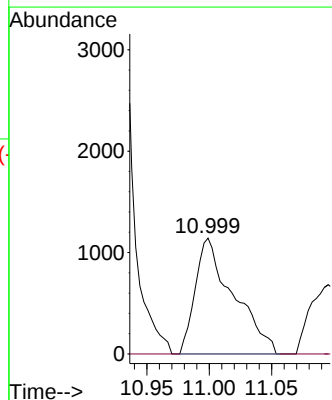
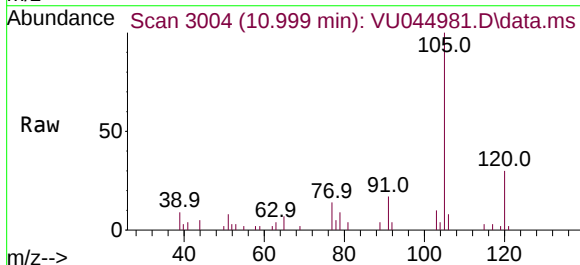
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL

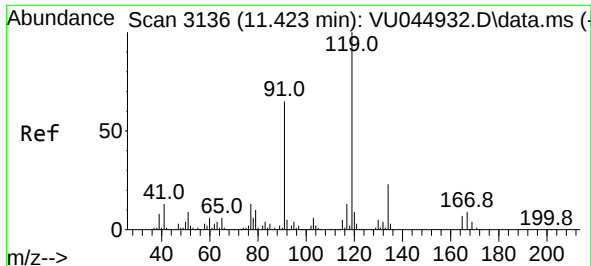
Tgt Ion: 75 Resp: 89307
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#82
4-Chlorotoluene
Concen: 0.229 ug/l
RT: 10.999 min Scan# 3004
Delta R.T. -0.099 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

Tgt Ion: 91 Resp: 2425
Ion Ratio Lower Upper
91 100
126 0.0 13.8 41.4#

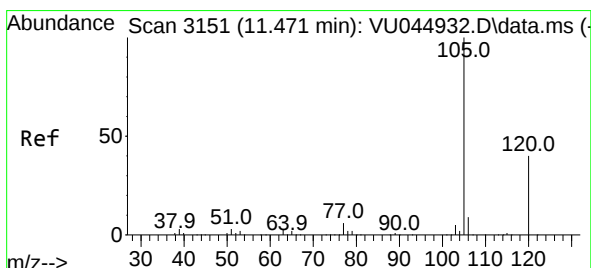
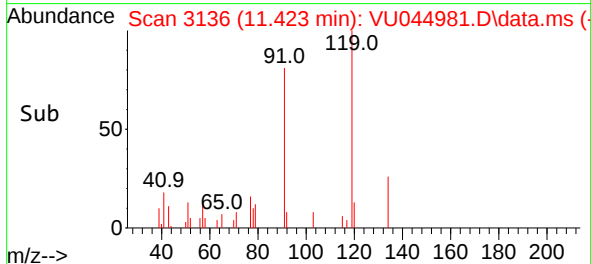
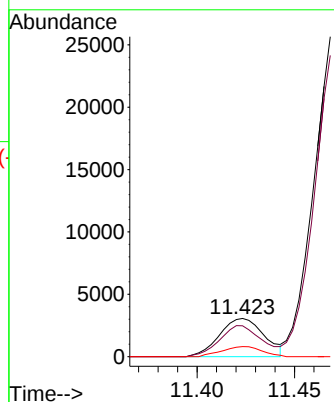
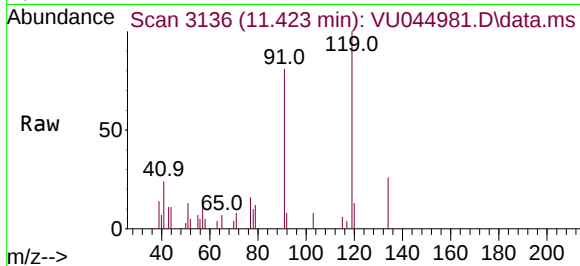




#83
tert-Butylbenzene
Concen: 0.464 ug/l
RT: 11.423 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

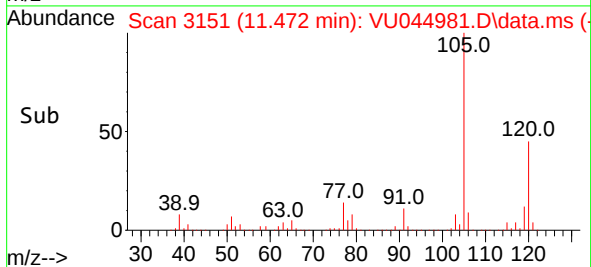
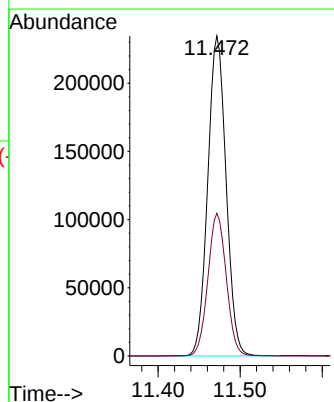
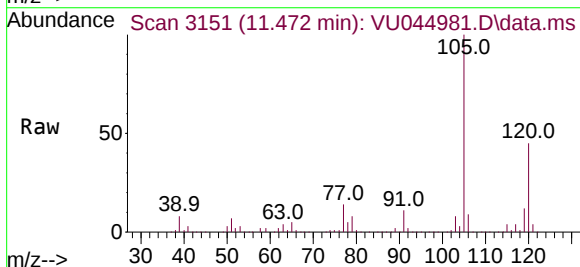
Instrument :
MSVOA_U
ClientSampleId :
EP-1-MW-4-0921DL

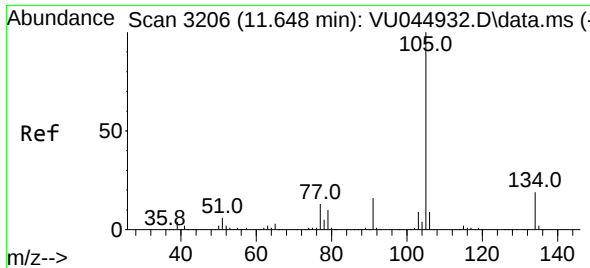
Tgt Ion:119 Resp: 4863
Ion Ratio Lower Upper
119 100
91 74.0 30.4 91.2
134 24.0 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 34.219 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.001 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

Tgt Ion:105 Resp: 364492
Ion Ratio Lower Upper
105 100
120 44.6 22.4 67.3

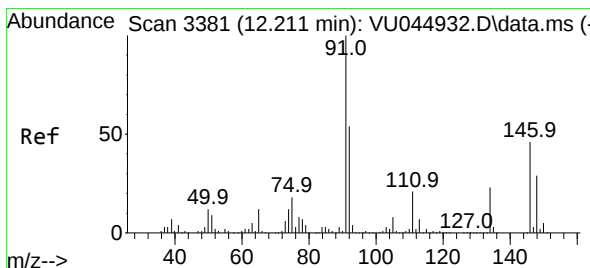
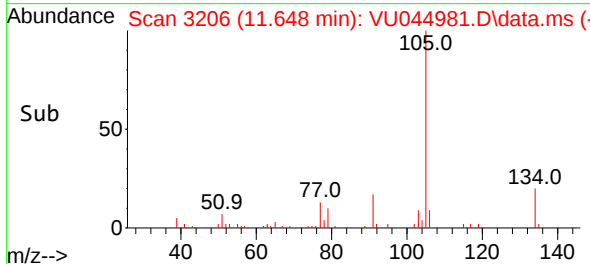
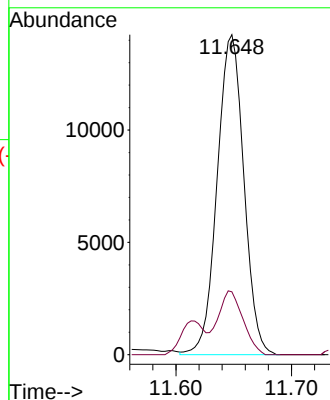
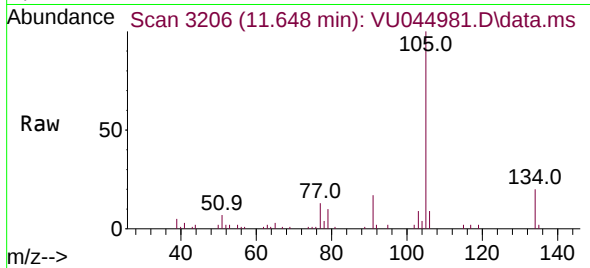




#85
 sec-Butylbenzene
 Concen: 1.693 ug/l
 RT: 11.648 min Scan# 3206
 Delta R.T. 0.000 min
 Lab File: VU044981.D
 Acq: 29 Sep 2021 07:38

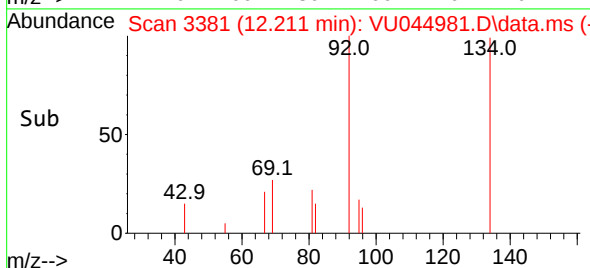
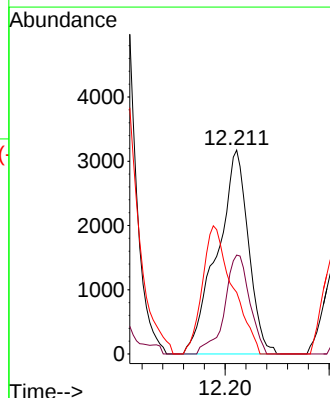
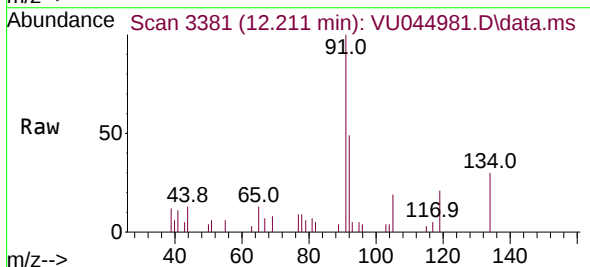
Instrument :
 MSVOA_U
 ClientSampleId :
 EP-1-MW-4-0921DL

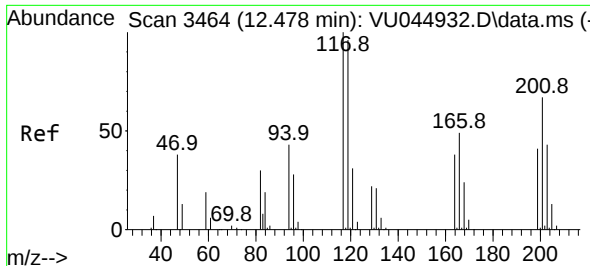
Tgt Ion:105 Resp: 22835
 Ion Ratio Lower Upper
 105 100
 134 18.3 9.3 28.0



#89
 n-Butylbenzene
 Concen: 0.662 ug/l
 RT: 12.211 min Scan# 3381
 Delta R.T. 0.000 min
 Lab File: VU044981.D
 Acq: 29 Sep 2021 07:38

Tgt Ion: 91 Resp: 6618
 Ion Ratio Lower Upper
 91 100
 92 38.7 26.8 80.4
 134 0.0 11.8 35.4#

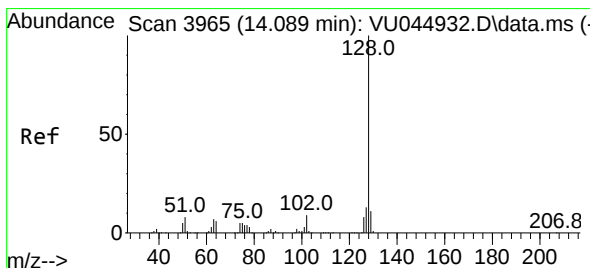
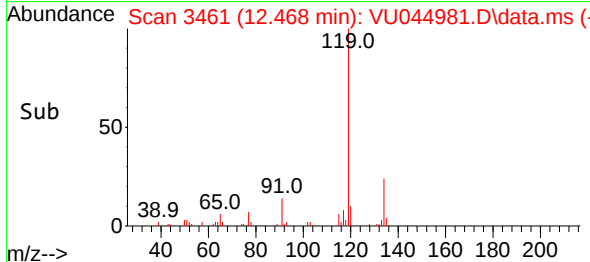
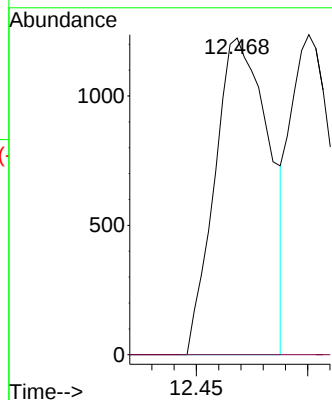
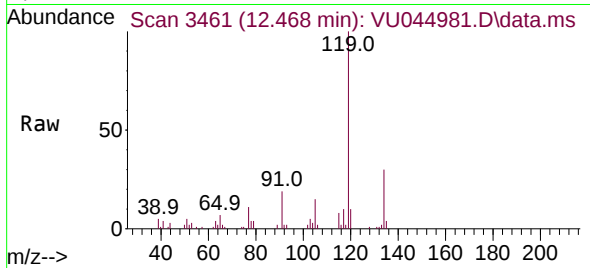




#90
Hexachloroethane
Concen: 1.057 ug/l
RT: 12.468 min Scan# 3461
Delta R.T. -0.010 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

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

Tgt Ion:117 Resp: 2070
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.3#



#95
Naphthalene
Concen: 1.484 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044981.D
Acq: 29 Sep 2021 07:38

Tgt Ion:128 Resp: 18070
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 10.8 8.6 13.0

