

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092322\
 Data File : VU050922.D
 Acq On : 23 Sep 2022 16:07
 Operator : JC/MD
 Sample : N4650-04DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 24 00:24:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 24 00:22:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	405334	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	392973	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	145717	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	165034	39.298	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	78.600%		
7) Chloroethane-d5	1.906	69	140086	46.838	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.680%		
11) 1,1-Dichloroethene-d2	2.565	63	211762	32.407	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.820%		
21) 2-Butanone-d5	4.620	46	306185	112.933	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	112.930%		
24) Chloroform-d	5.060	84	307425	46.712	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.420%		
26) 1,2-Dichloroethane-d4	5.700	65	200728	49.491	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.980%		
32) Benzene-d6	5.726	84	605913	46.811	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.620%		
36) 1,2-Dichloropropane-d6	6.691	67	209162	47.873	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.740%		
41) Toluene-d8	7.896	98	491809	43.468	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.940%		
43) trans-1,3-Dichloroprop...	8.176	79	84967	44.704	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.400%		
47) 2-Hexanone-d5	8.633	63	168590	93.635	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.640%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	311285	46.732	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.460%		
66) 1,2-Dichlorobenzene-d4	12.192	152	163764	53.676	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.360%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	29544	6.185	ug/L	94
8) Chloroethane	1.929	64	130506	49.345	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	2027	0.611	ug/L #	21
12) 1,1-Dichloroethene	2.572	96	3077	0.987	ug/L #	1
19) 1,1-Dichloroethane	3.867	63	221659	34.347	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	93082	26.285	ug/L	97
27) 1,2-Dichloroethane	5.726	62	3378	0.691	ug/L #	75
30) 1,1,1-Trichloroethane	5.314	97	109805	21.003	ug/L	98
31) Carbon tetrachloride	5.314	117	15015	3.457	ug/L	98
42) Toluene	7.967	91	49694	3.461	ug/L	96
44) trans-1,3-Dichloropropene	8.179	75	3558	0.706	ug/L	96
46) Tetrachloroethene	8.549	164	3014	1.249	ug/L	92
49) Dibromochloromethane	8.549	129	2711	0.758	ug/L #	10
53) m,p-Xylene	9.690	106	5638	1.059	ug/L	88
54) o-Xylene	10.099	106	4133	0.779	ug/L	85
60) 1,2,3-Trichloropropane	11.809	75	17659	4.308	ug/L #	69
62) 1,3,5-Trimethylbenzene	11.465	105	10203	1.192	ug/L	94
63) 1,2,4-Trimethylbenzene	11.465	105	10203	1.204	ug/L	100

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Quant Title : VOC Analysis
QLast Update : Sat Sep 24 00:22:43 2022
Response via : Initial Calibration

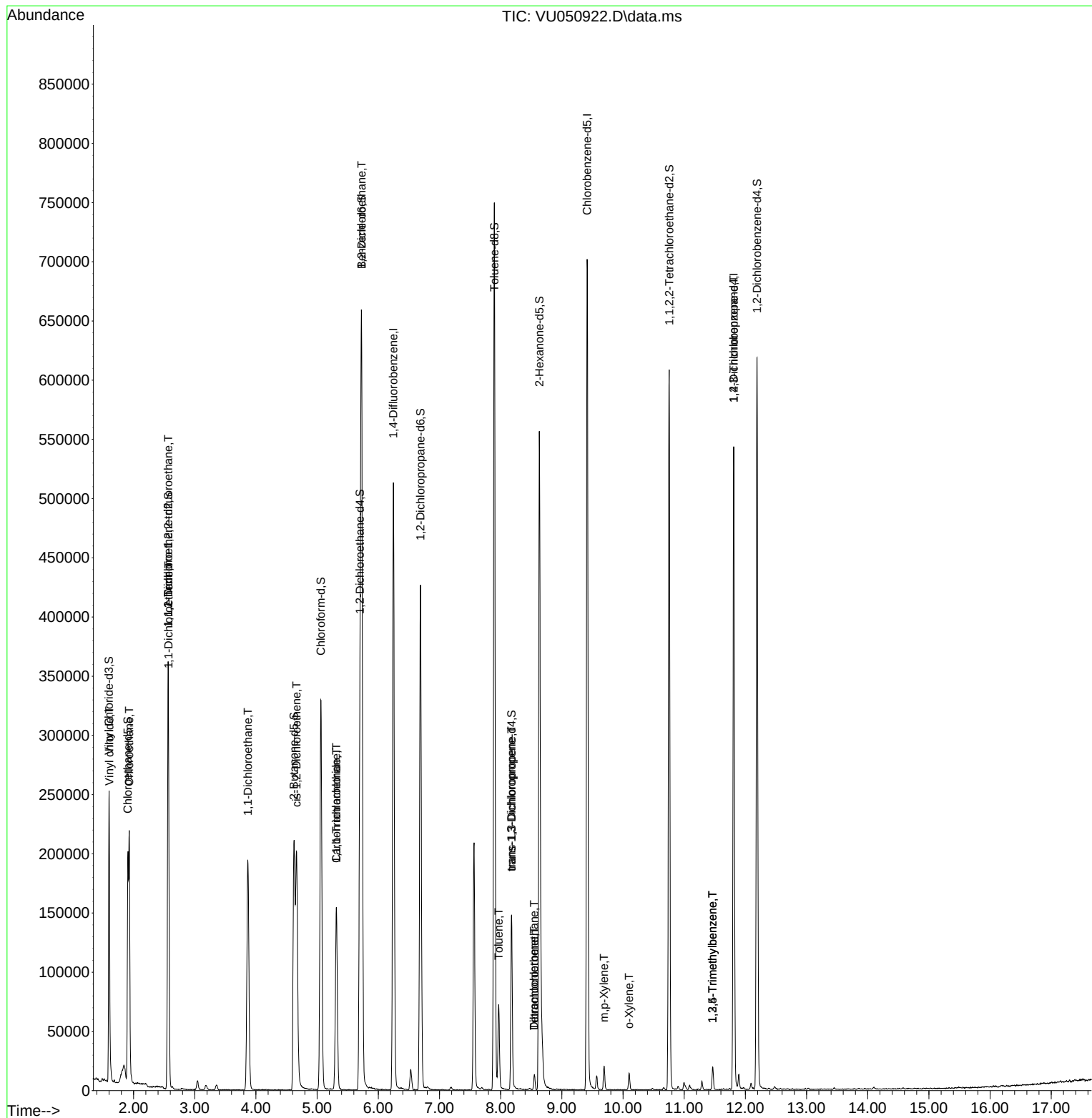
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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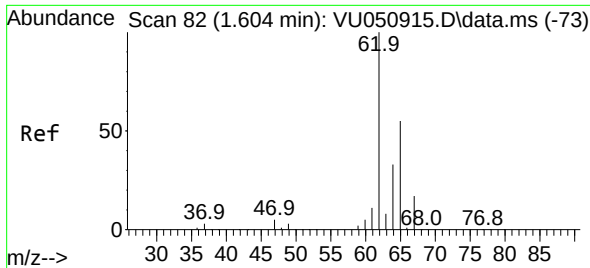
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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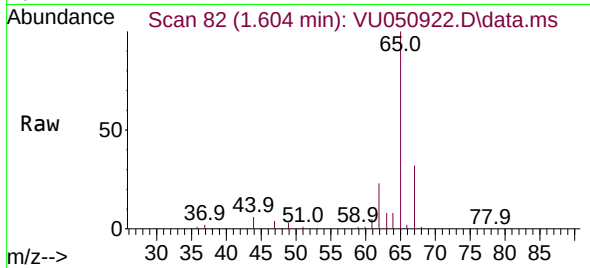
Quant Time: Sep 24 00:24:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
Quant Title : VOC Analysis
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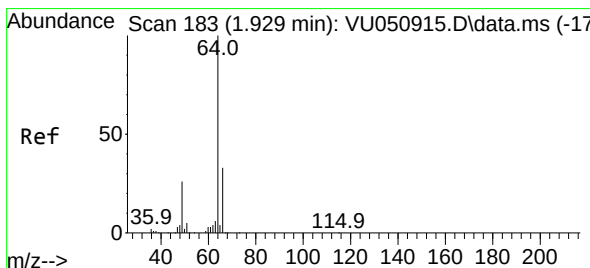
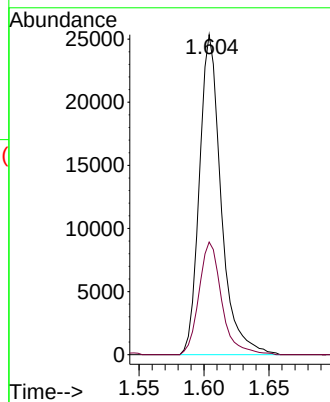
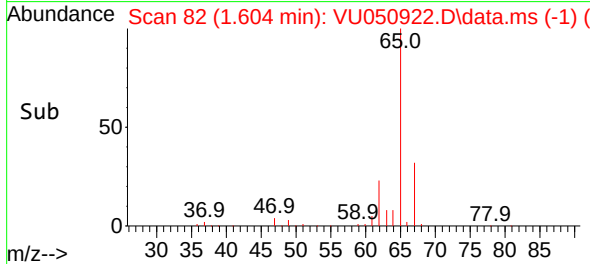


#5
 Vinyl chloride
 Concen: 6.185 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050922.D
 Acq: 23 Sep 2022 16:07

Instrument :
 MSVOA_U
 ClientSampleId :

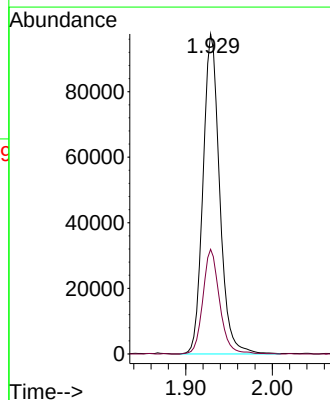
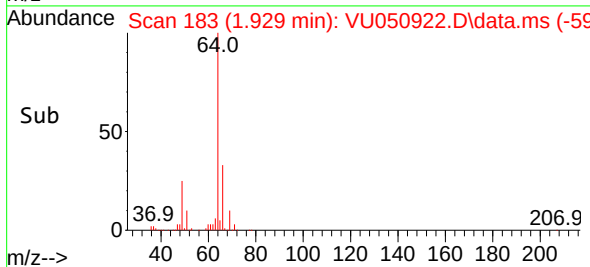
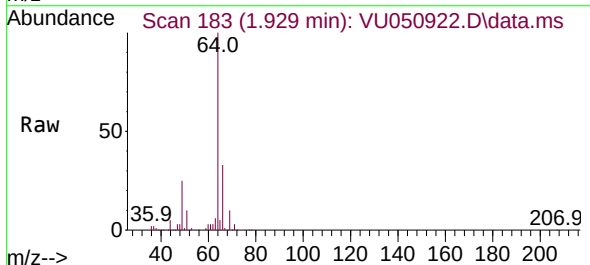


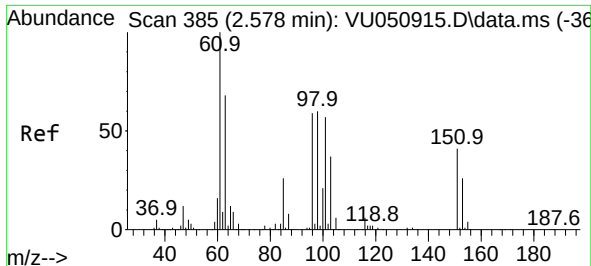
Tgt Ion: 62 Resp: 29544
 Ion Ratio Lower Upper
 62 100
 64 35.2 22.2 41.2



#8
 Chloroethane
 Concen: 49.345 ug/L
 RT: 1.929 min Scan# 183
 Delta R.T. 0.000 min
 Lab File: VU050922.D
 Acq: 23 Sep 2022 16:07

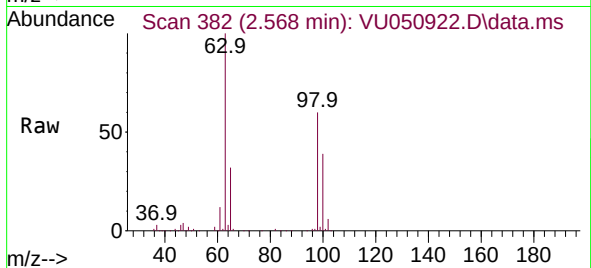
Tgt Ion: 64 Resp: 130506
 Ion Ratio Lower Upper
 64 100
 66 32.7 22.9 42.5



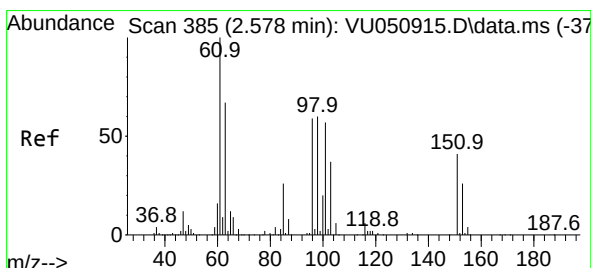
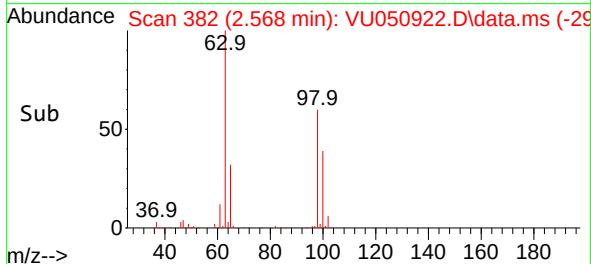
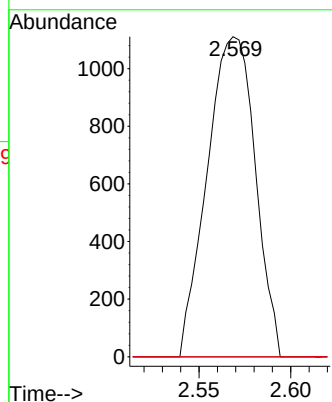


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.611 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.010 min
 Lab File: VU050922.D
 Acq: 23 Sep 2022 16:07

Instrument :
 MSVOA_U
 ClientSampleId :

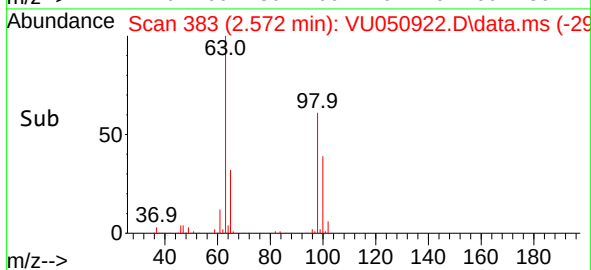
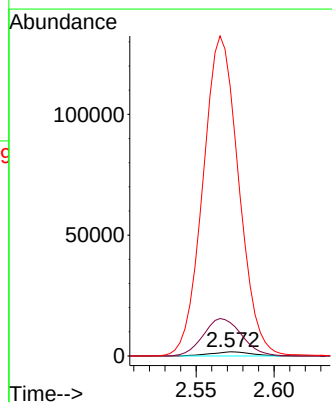
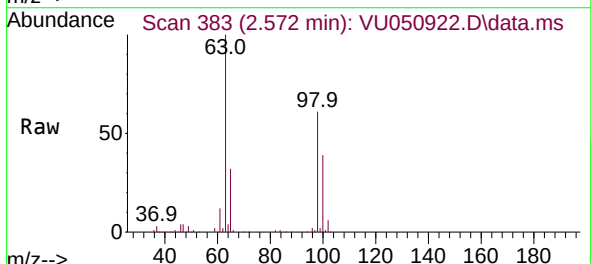


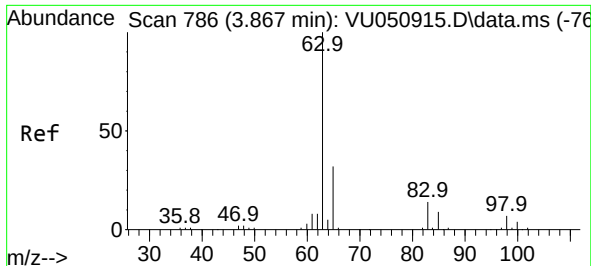
Tgt Ion: 101 Resp: 2027
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.6 84.8#



#12
 1,1-Dichloroethene
 Concen: 0.987 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.006 min
 Lab File: VU050922.D
 Acq: 23 Sep 2022 16:07

Tgt Ion: 96 Resp: 3077
 Ion Ratio Lower Upper
 96 100
 61 814.6 118.6 220.2#
 63 6569.7 90.4 168.0#





#19

1,1-Dichloroethane

Concen: 34.347 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU050922.D

Acq: 23 Sep 2022 16:07

Instrument :

MSVOA_U

ClientSampleId :

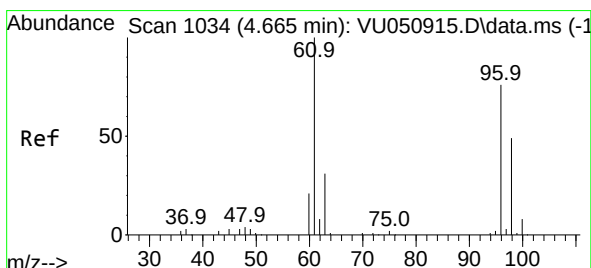
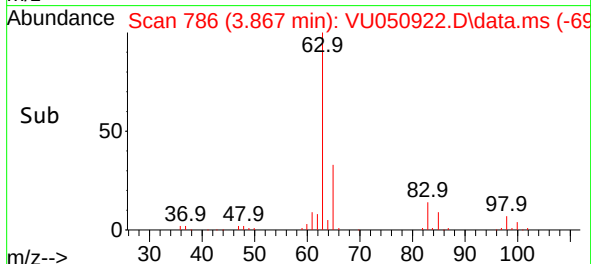
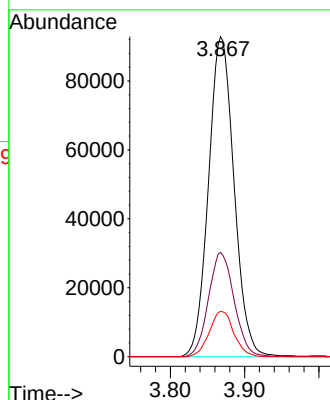
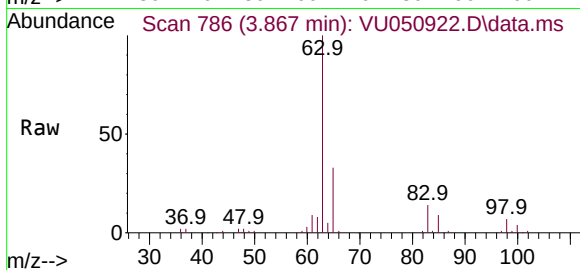
Tgt Ion: 63 Resp: 221659

Ion Ratio Lower Upper

63 100

65 32.6 21.5 39.9

83 14.2 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 26.285 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050922.D

Acq: 23 Sep 2022 16:07

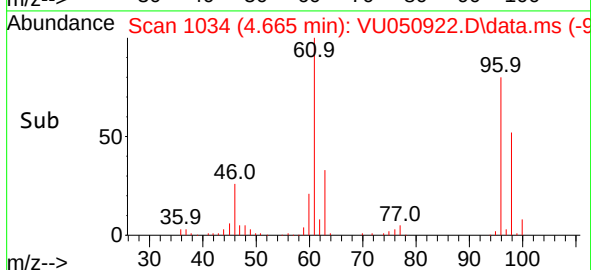
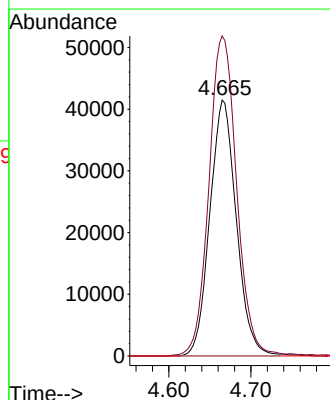
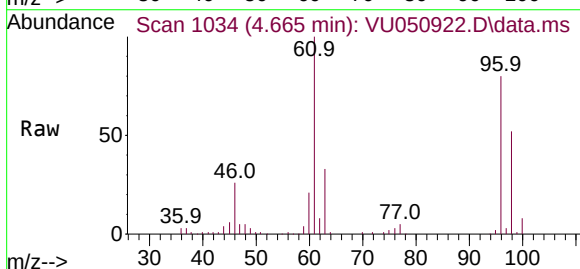
Tgt Ion: 96 Resp: 93082

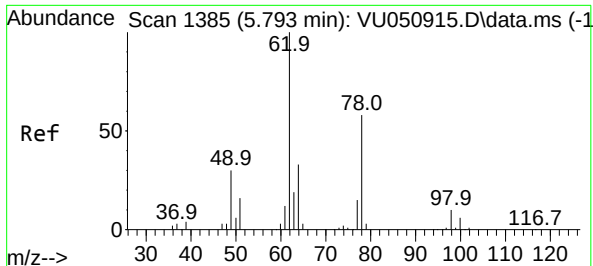
Ion Ratio Lower Upper

96 100

61 125.1 90.1 167.3

68 0.0 0.0 0.0

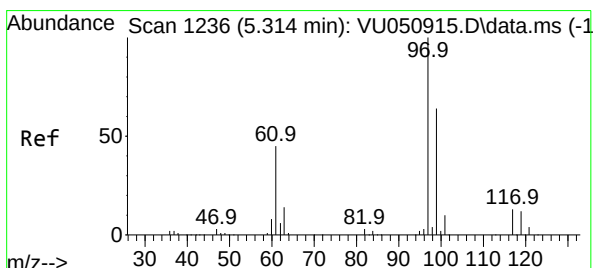
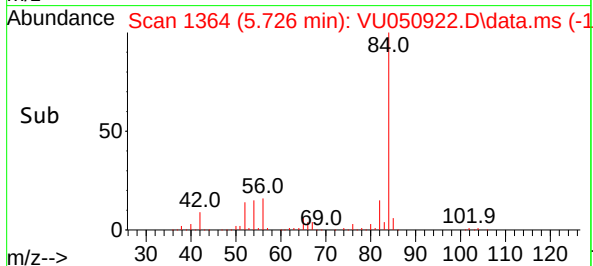
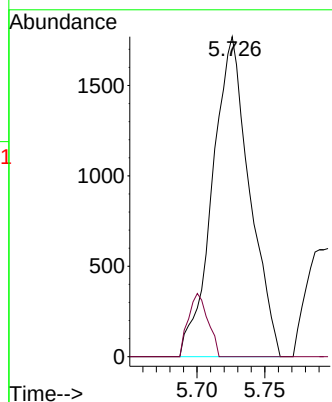
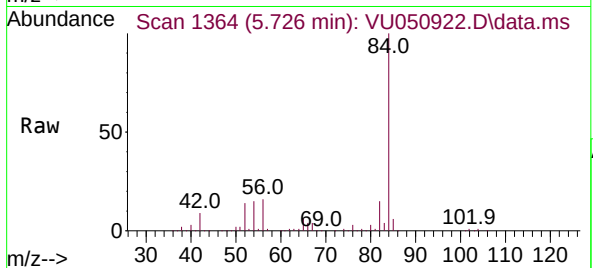




#27
1,2-Dichloroethane
Concen: 0.691 ug/L
RT: 5.726 min Scan# 11
Delta R.T. -0.067 min
Lab File: VU050922.D
Acq: 23 Sep 2022 16:07

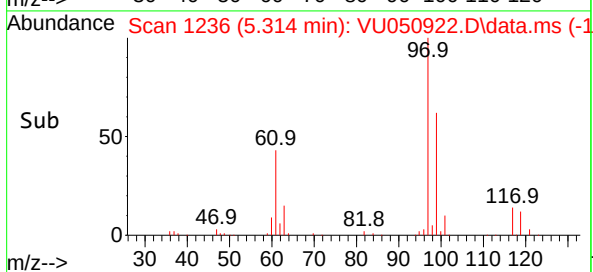
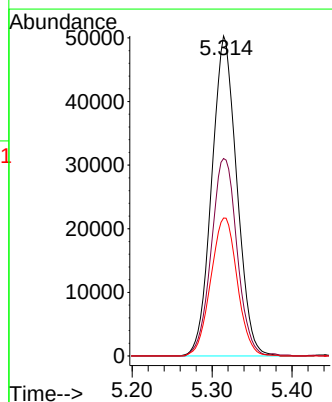
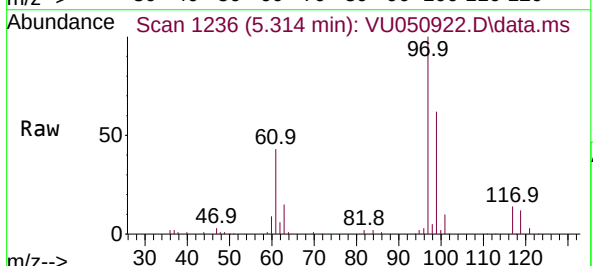
Instrument :
MSVOA_U
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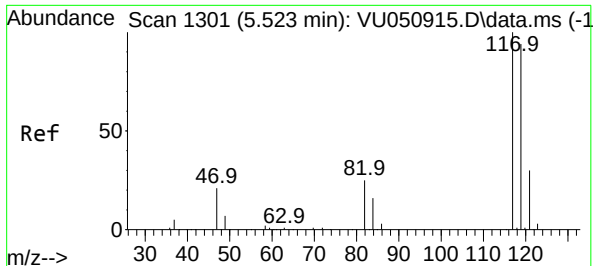
Tgt Ion: 62 Resp: 3378
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#



#30
1,1,1-Trichloroethane
Concen: 21.003 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VU050922.D
Acq: 23 Sep 2022 16:07

Tgt Ion: 97 Resp: 109805
Ion Ratio Lower Upper
97 100
99 63.4 52.2 78.2
61 45.4 37.1 55.7

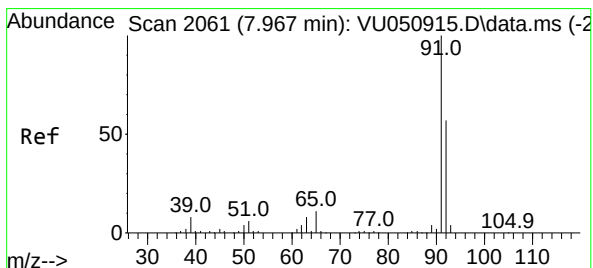
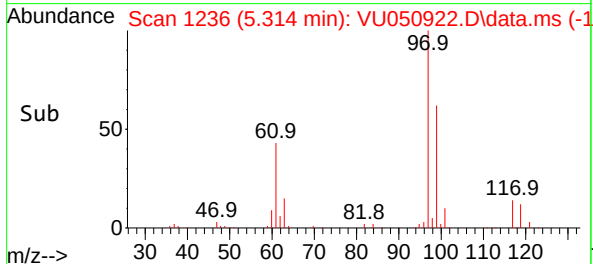
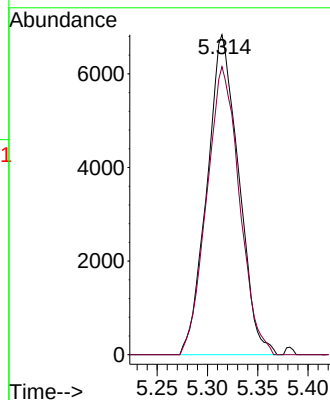
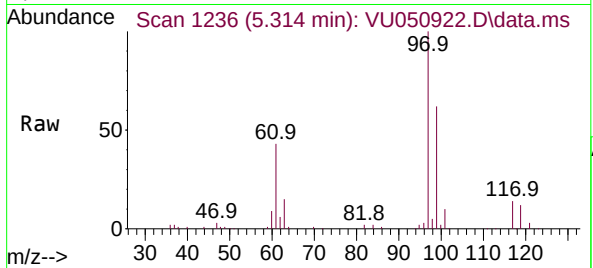




#31
Carbon tetrachloride
Concen: 3.457 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.209 min
Lab File: VU050922.D
Acq: 23 Sep 2022 16:07

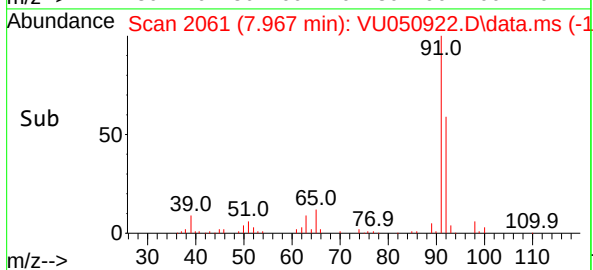
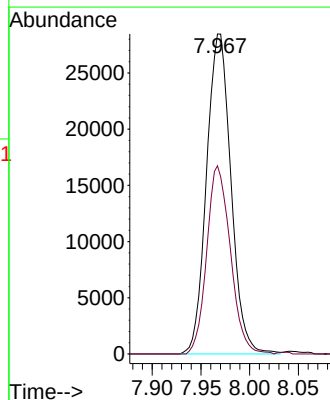
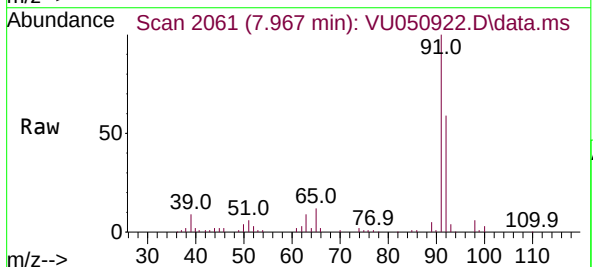
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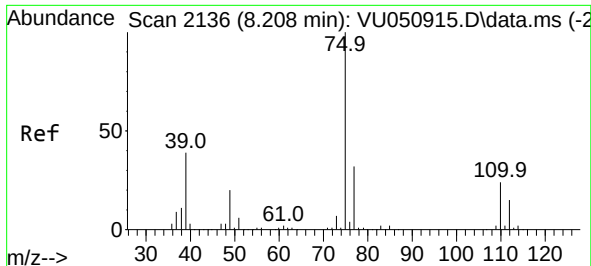
Tgt Ion:117 Resp: 15015
Ion Ratio Lower Upper
117 100
119 92.6 76.0 114.0



#42
Toluene
Concen: 3.461 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VU050922.D
Acq: 23 Sep 2022 16:07

Tgt Ion: 91 Resp: 49694
Ion Ratio Lower Upper
91 100
92 58.8 39.1 72.5

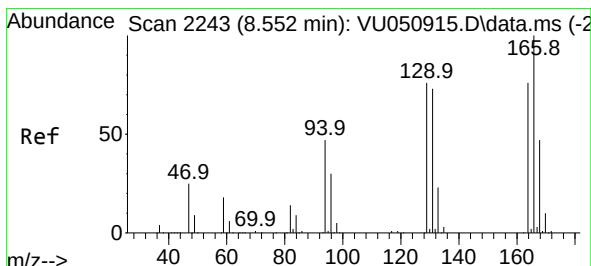
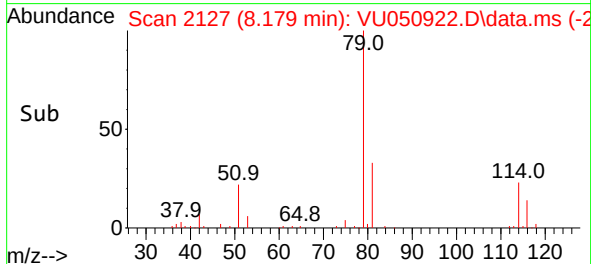
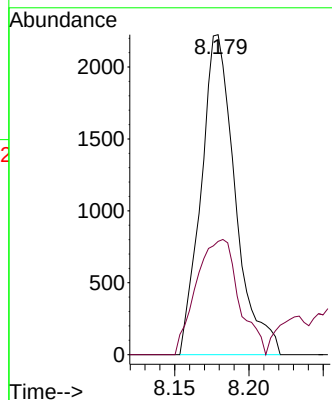
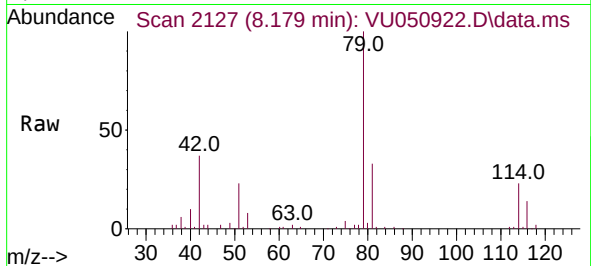




#44
trans-1,3-Dichloropropene
Concen: 0.706 ug/L
RT: 8.179 min Scan# 2136
Delta R.T. -0.029 min
Lab File: VU050922.D
Acq: 23 Sep 2022 16:07

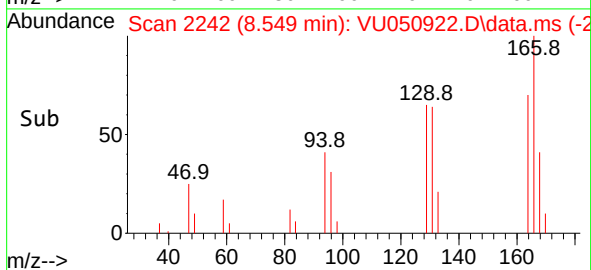
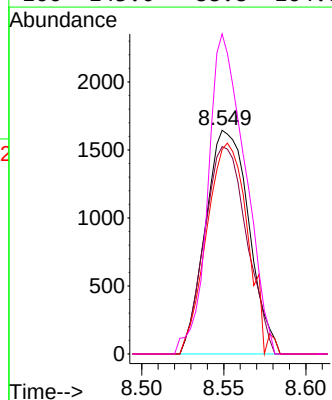
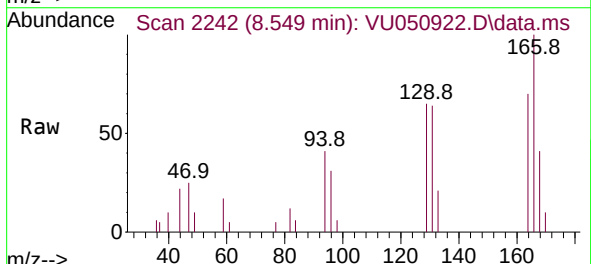
Instrument :
MSVOA_U
ClientSampleId :

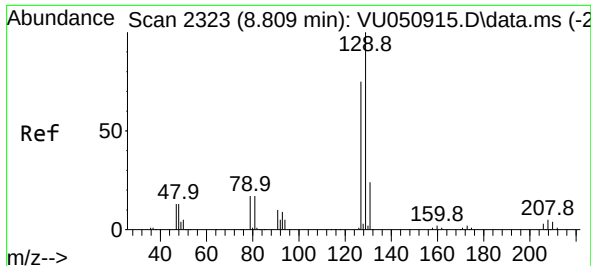
Tgt Ion: 75 Resp: 3558
Ion Ratio Lower Upper
75 100
77 33.7 21.9 40.7



#46
Tetrachloroethene
Concen: 1.249 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU050922.D
Acq: 23 Sep 2022 16:07

Tgt Ion:164 Resp: 3014
Ion Ratio Lower Upper
164 100
129 92.7 68.5 127.3
131 91.4 66.1 122.7
166 143.0 88.8 164.8





#49

Dibromochloromethane

Concen: 0.758 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.260 min

Lab File: VU050922.D

Acq: 23 Sep 2022 16:07

Instrument :

MSVOA_U

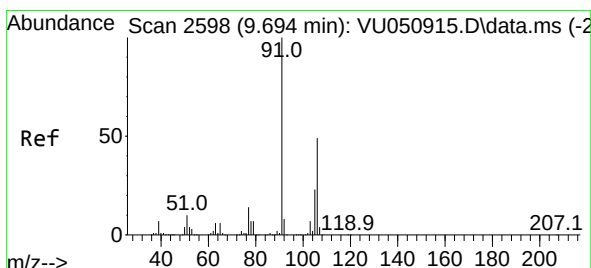
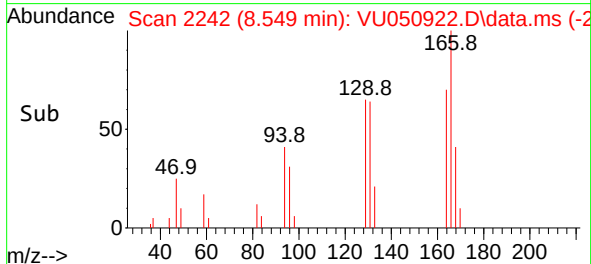
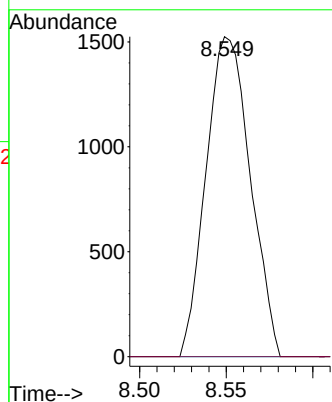
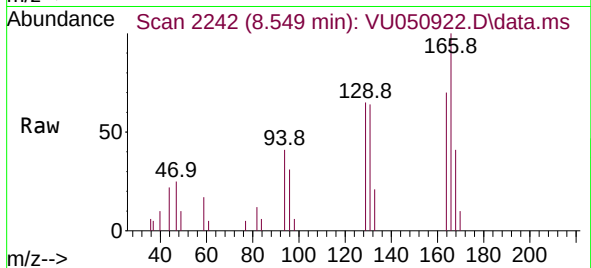
ClientSampleId :

Tgt Ion:129 Resp: 2711

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#53

m,p-Xylene

Concen: 1.059 ug/L

RT: 9.690 min Scan# 2597

Delta R.T. -0.003 min

Lab File: VU050922.D

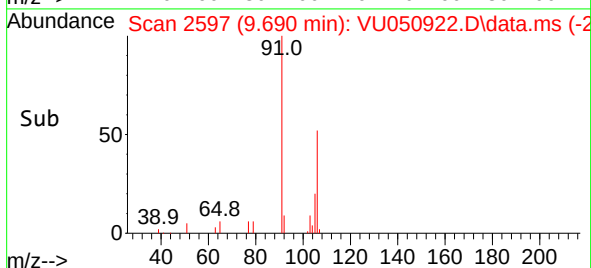
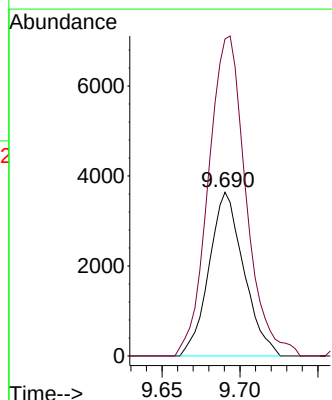
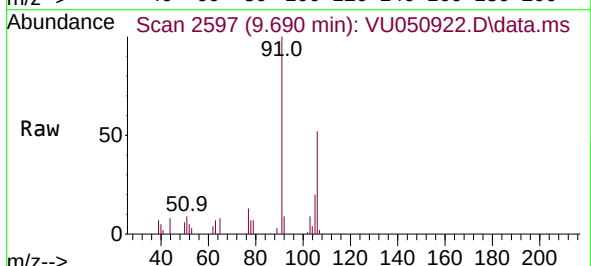
Acq: 23 Sep 2022 16:07

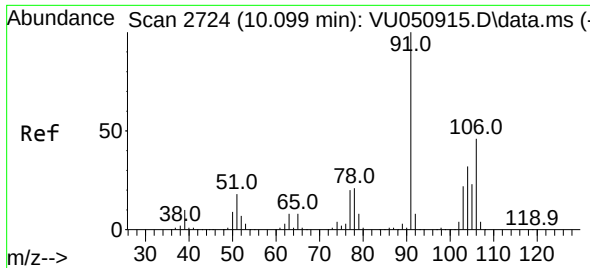
Tgt Ion:106 Resp: 5638

Ion Ratio Lower Upper

106 100

91 187.0 144.0 267.4

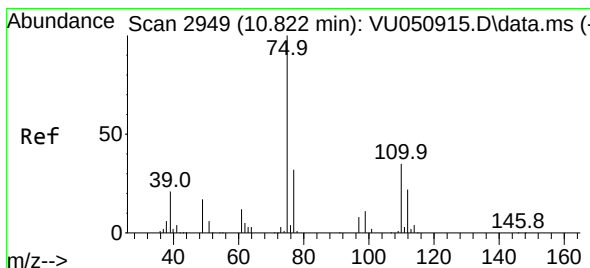
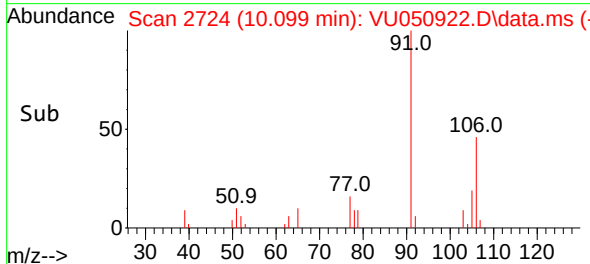
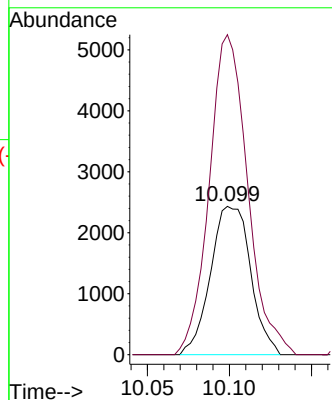
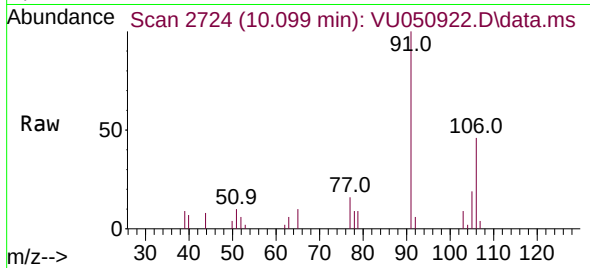




#54
o-Xylene
Concen: 0.779 ug/L
RT: 10.099 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050922.D
Acq: 23 Sep 2022 16:07

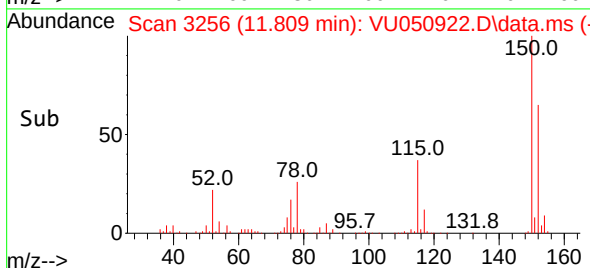
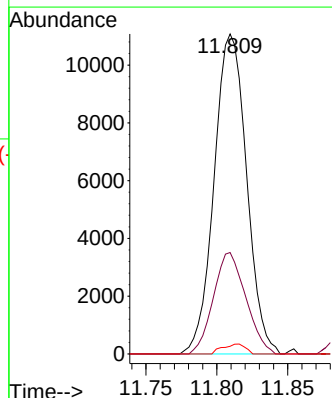
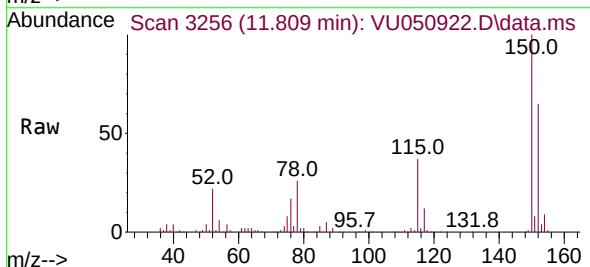
Instrument :
MSVOA_U
ClientSampleId :

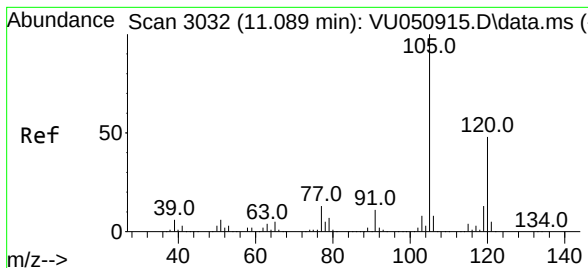
Tgt Ion:106 Resp: 4133
Ion Ratio Lower Upper
106 100
91 197.0 154.6 287.0



#60
1,2,3-Trichloropropane
Concen: 4.308 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.987 min
Lab File: VU050922.D
Acq: 23 Sep 2022 16:07

Tgt Ion: 75 Resp: 17659
Ion Ratio Lower Upper
75 100
77 31.6 26.2 39.4
110 2.2 28.6 43.0#





#62

1,3,5-Trimethylbenzene

Concen: 1.192 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.376 min

Lab File: VU050922.D

Acq: 23 Sep 2022 16:07

Instrument :

MSVOA_U

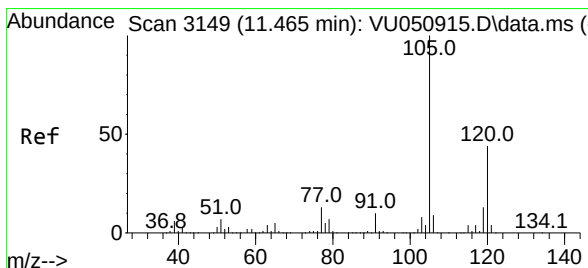
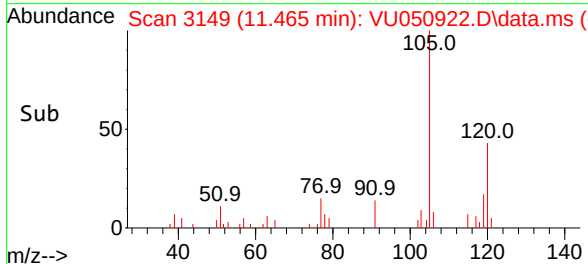
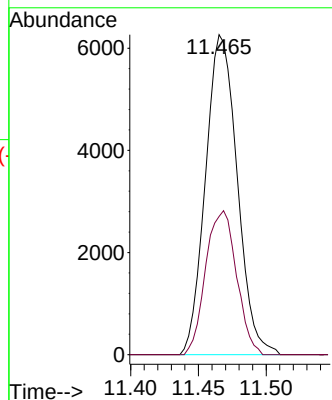
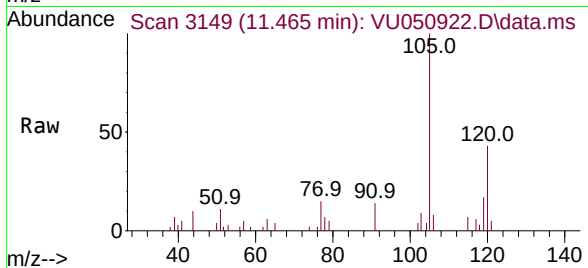
ClientSampleId :

Tgt Ion:105 Resp: 10203

Ion Ratio Lower Upper

105 100

120 43.7 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 1.204 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU050922.D

Acq: 23 Sep 2022 16:07

Tgt Ion:105 Resp: 10203

Ion Ratio Lower Upper

105 100

120 43.7 34.9 52.3

