

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
 Data File : VU047652.D
 Acq On : 24 Mar 2022 23:01
 Operator : SY/MD
 Sample : N2081-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X8

Quant Time: Mar 25 05:29:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 24 23:34:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	281413	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	282033	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	157225	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	59451	29.133	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	58.260%#		
7) Chloroethane-d5	1.919	69	47423	29.472	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	58.940%#		
11) 1,1-Dichloroethene-d2	2.572	63	87982	23.565	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	47.120%#		
21) 2-Butanone-d5	4.639	46	113318	64.695	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	64.690%		
24) Chloroform-d	5.067	84	107899	28.897	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	57.800%#		
26) 1,2-Dichloroethane-d4	5.703	65	70269	30.684	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	61.360%#		
32) Benzene-d6	5.729	84	220588	31.083	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	62.160%#		
36) 1,2-Dichloropropane-d6	6.694	67	68686	31.515	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	63.020%#		
41) Toluene-d8	7.899	98	195482	28.272	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	56.540%#		
43) trans-1,3-Dichloroprop...	8.179	79	32635	29.556	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	59.120%#		
47) 2-Hexanone-d5	8.636	63	73822	57.860	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	57.860%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	106101	28.367	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	56.740%#		
66) 1,2-Dichlorobenzene-d4	12.195	152	88299	31.567	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	63.140%#		
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.144	101	2685	0.748	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	859	0.414	ug/L #	18
12) 1,1-Dichloroethene	2.585	96	20547	10.644	ug/L #	48
17) trans-1,2-Dichloroethene	3.359	96	9636	4.628	ug/L	96
19) 1,1-Dichloroethane	3.874	63	369198	102.815	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	606043	265.503	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	1311188	410.007	ug/L	100
31) Carbon tetrachloride	5.321	117	182666	63.255	ug/L	100
34) Trichloroethene	6.546	95	15260	7.130	ug/L	95
37) 1,2-Dichloropropane	6.690	63	7589	3.657	ug/L #	87
39) cis-1,3-Dichloropropene	7.565	75	1980	0.615	ug/L #	82
45) 1,1,2-Trichloroethane	8.404	97	1133	0.515	ug/L	94
46) Tetrachloroethene	8.555	164	27076	14.078	ug/L	95
53) m,p-Xylene	9.694	106	3783	1.024	ug/L	93
62) 1,3,5-Trimethylbenzene	11.089	105	4549	0.987	ug/L	95
63) 1,2,4-Trimethylbenzene	11.468	105	24188	3.454	ug/L	99
71) Naphthalene	14.089	128	27371	2.733	ug/L	99

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QLast Update : Thu Mar 24 23:34:42 2022
Response via : Initial Calibration

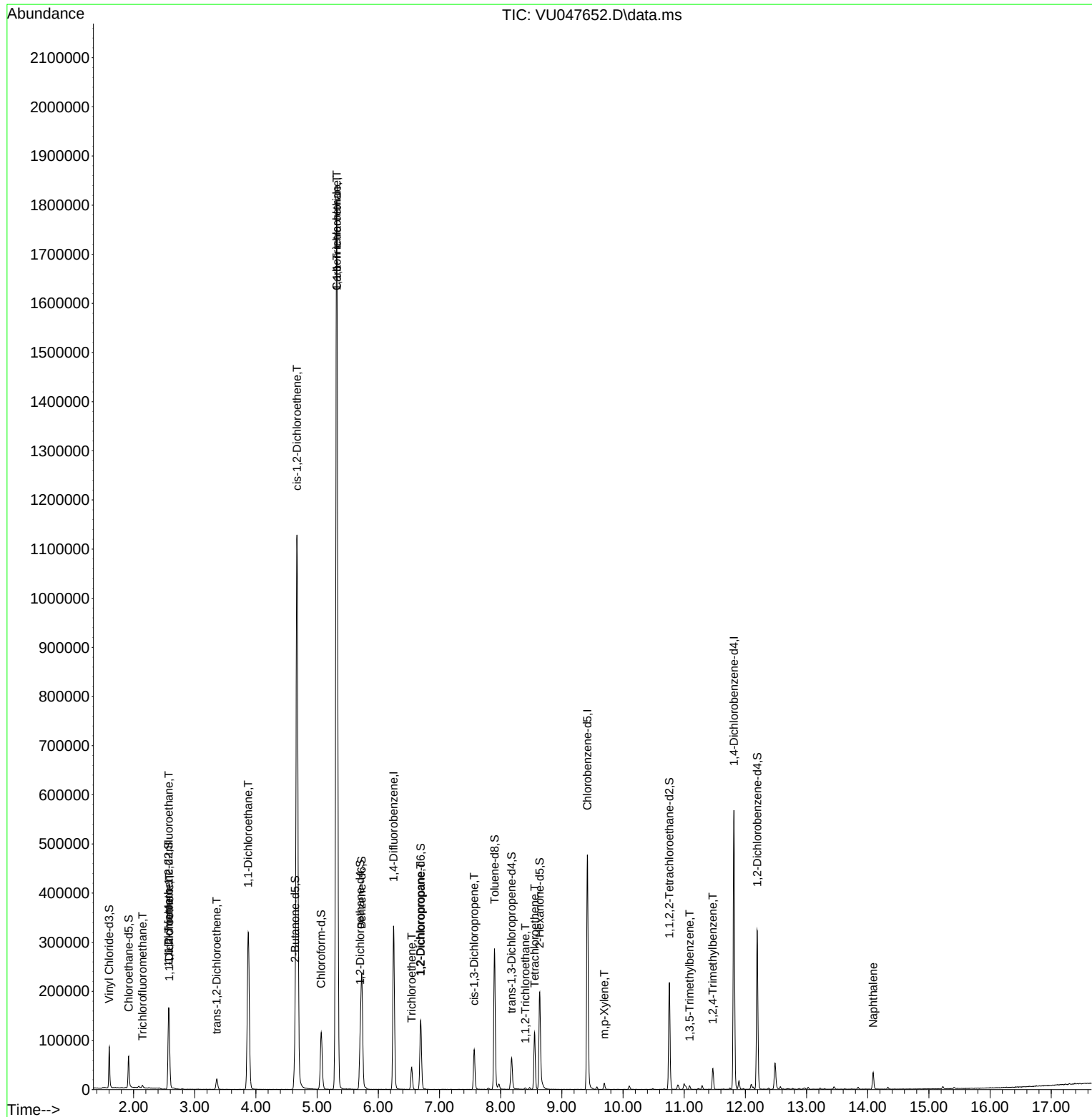
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

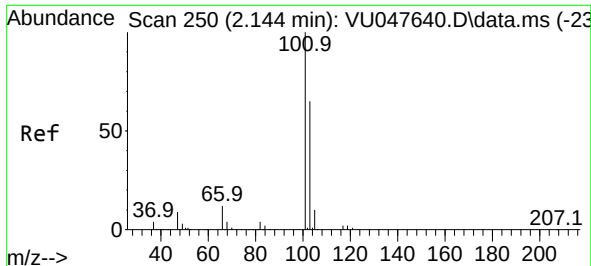
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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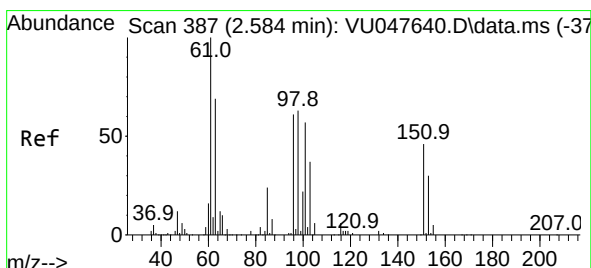
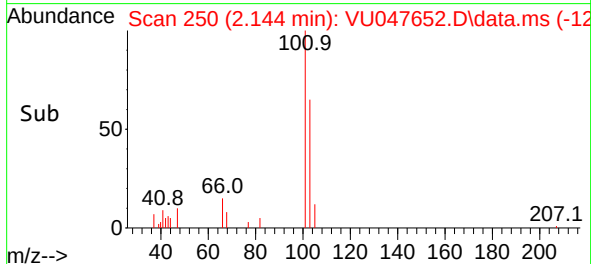
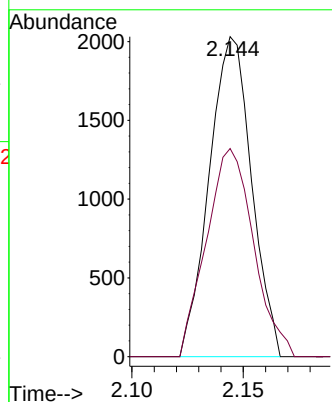
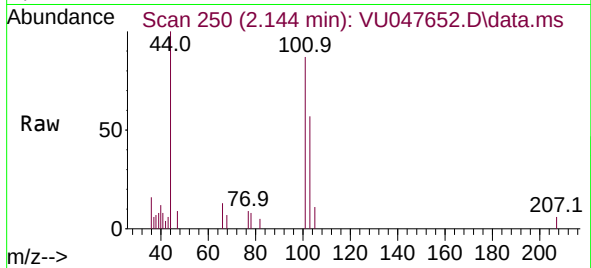




#9
 Trichlorofluoromethane
 Concen: 0.748 ug/L
 RT: 2.144 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU047652.D
 Acq: 24 Mar 2022 23:01

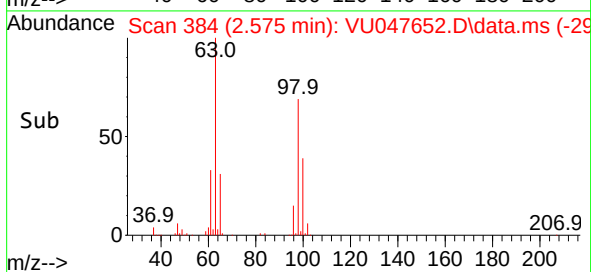
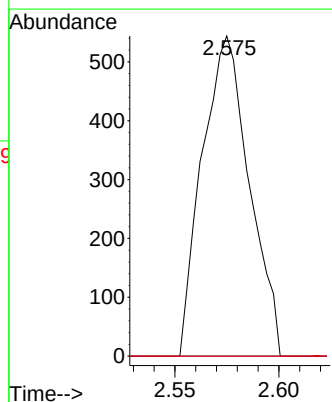
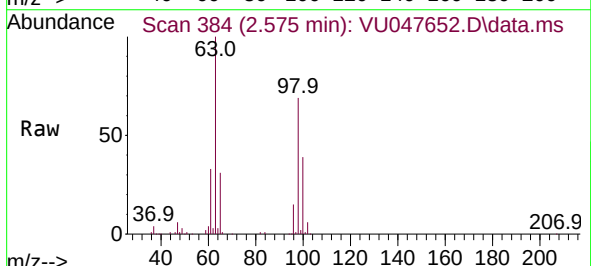
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X8

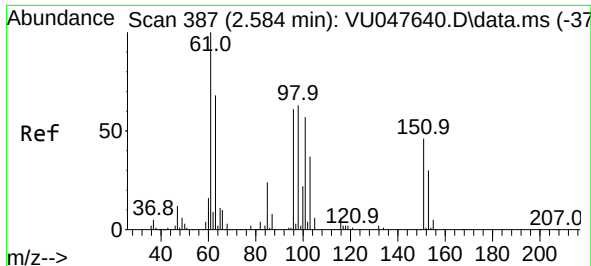
Tgt Ion:101 Resp: 2685
 Ion Ratio Lower Upper
 101 100
 103 72.4 51.4 77.2



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.414 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.009 min
 Lab File: VU047652.D
 Acq: 24 Mar 2022 23:01

Tgt Ion:101 Resp: 859
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#





#12

1,1-Dichloroethene

Concen: 10.644 ug/L

RT: 2.585 min Scan# 387

Delta R.T. 0.000 min

Lab File: VU047652.D

Acq: 24 Mar 2022 23:01

Instrument :

MSVOA_U

ClientSampleId :

EW5X8

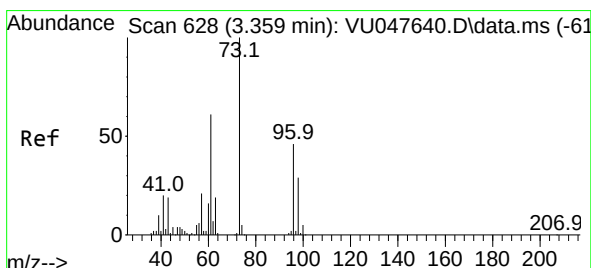
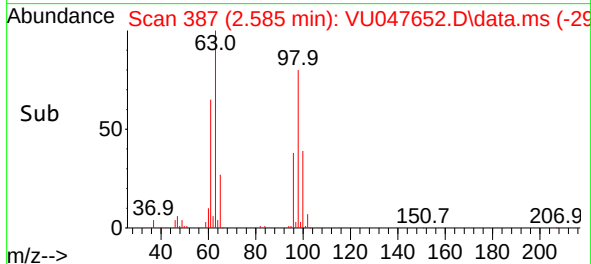
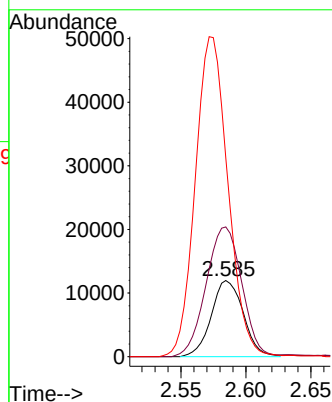
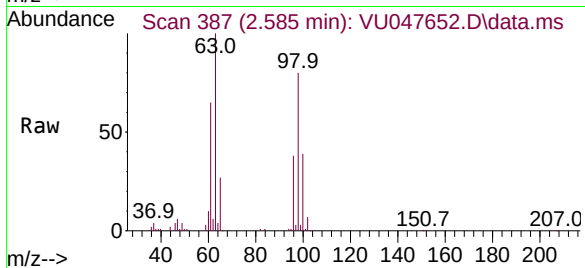
Tgt Ion: 96 Resp: 20547

Ion Ratio Lower Upper

96 100

61 170.6 113.1 210.1

63 261.2 94.8 176.0#



#17

trans-1,2-Dichloroethene

Concen: 4.628 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.000 min

Lab File: VU047652.D

Acq: 24 Mar 2022 23:01

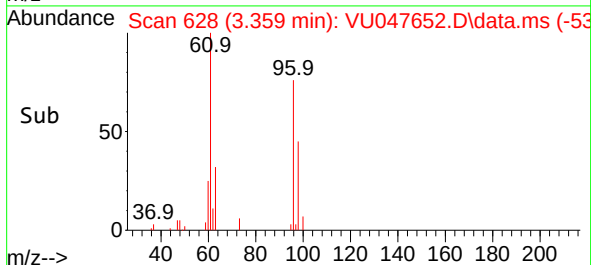
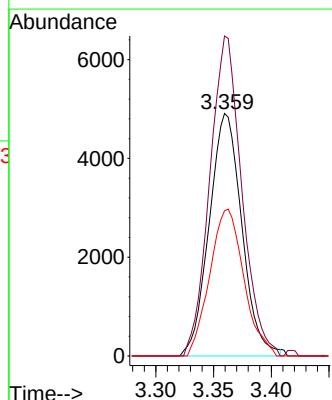
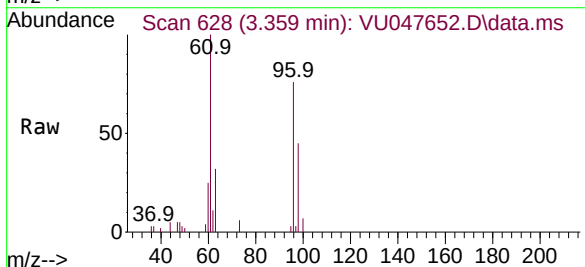
Tgt Ion: 96 Resp: 9636

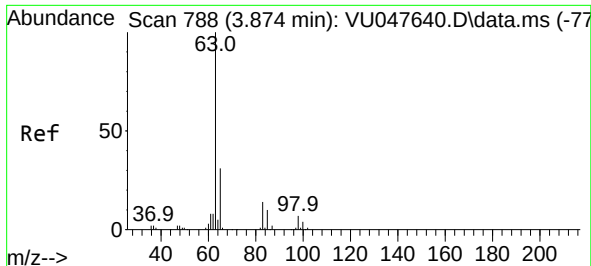
Ion Ratio Lower Upper

96 100

61 131.9 88.4 164.2

98 59.9 43.3 80.5





#19

1,1-Dichloroethane

Concen: 102.815 ug/L

RT: 3.874 min Scan# 788

Delta R.T. 0.000 min

Lab File: VU047652.D

Acq: 24 Mar 2022 23:01

Instrument :

MSVOA_U

ClientSampleId :

EW5X8

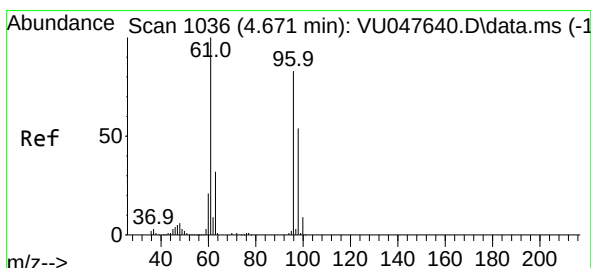
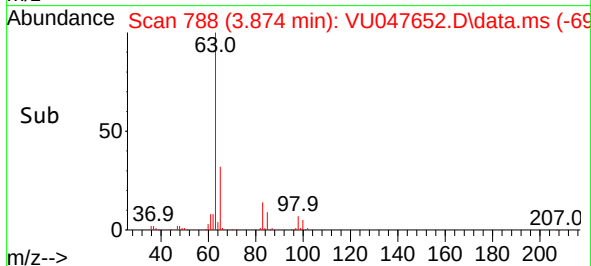
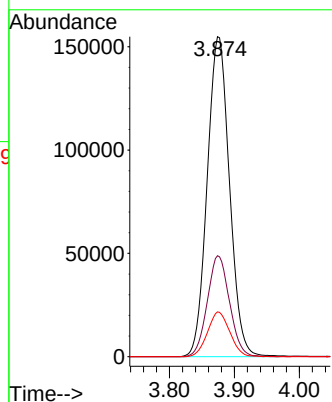
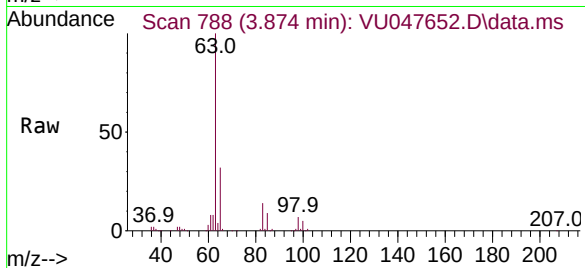
Tgt Ion: 63 Resp: 369198

Ion Ratio Lower Upper

63 100

65 31.6 22.0 41.0

83 14.0 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 265.503 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047652.D

Acq: 24 Mar 2022 23:01

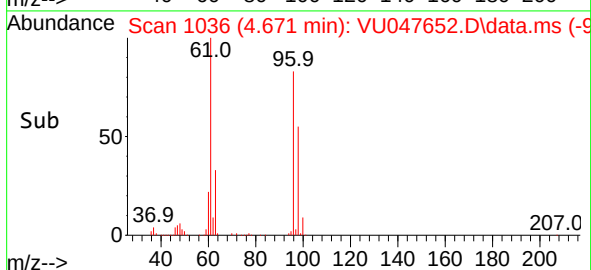
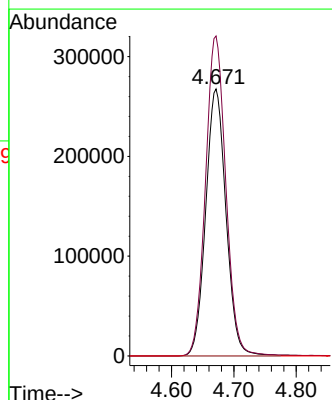
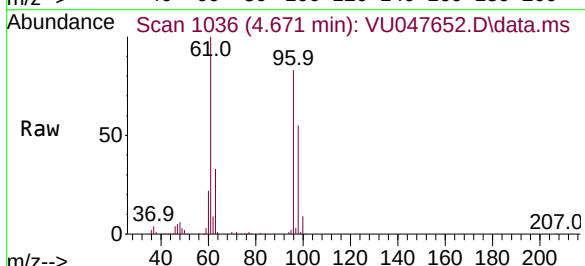
Tgt Ion: 96 Resp: 606043

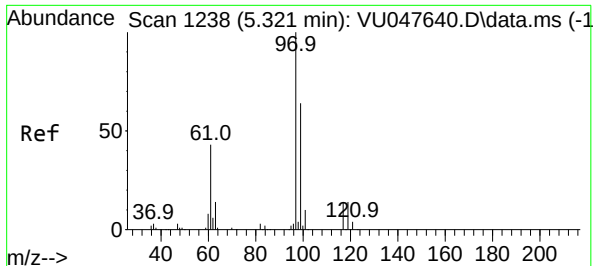
Ion Ratio Lower Upper

96 100

61 119.8 80.7 149.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 410.007 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047652.D

Acq: 24 Mar 2022 23:01

Instrument :

MSVOA_U

ClientSampleId :

EW5X8

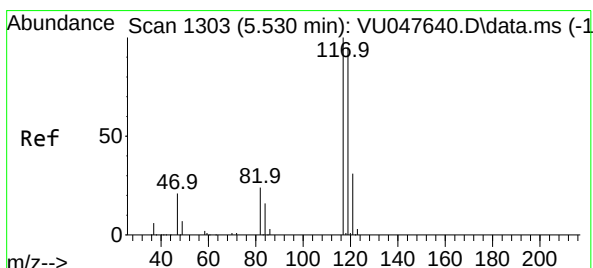
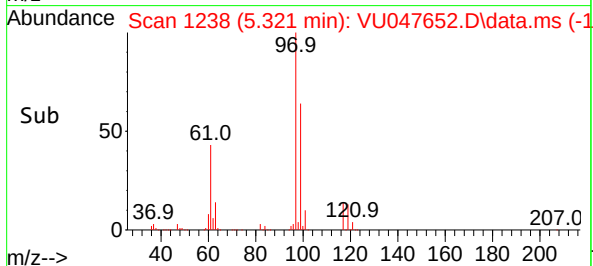
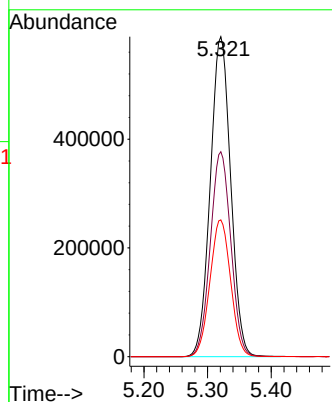
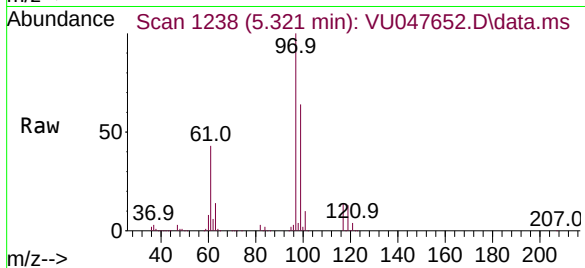
Tgt Ion: 97 Resp: 1311188

Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

61 43.3 34.2 51.4



#31

Carbon tetrachloride

Concen: 63.255 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU047652.D

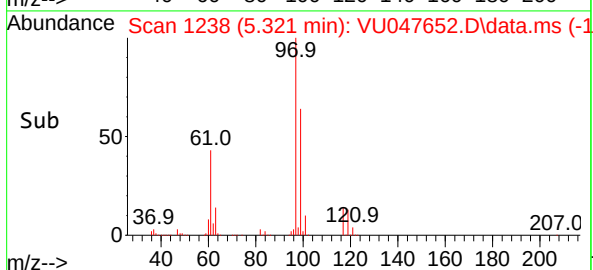
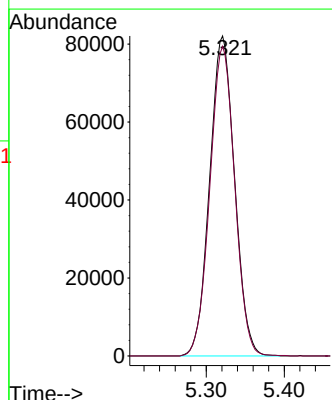
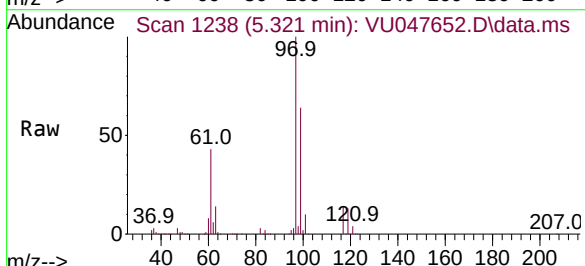
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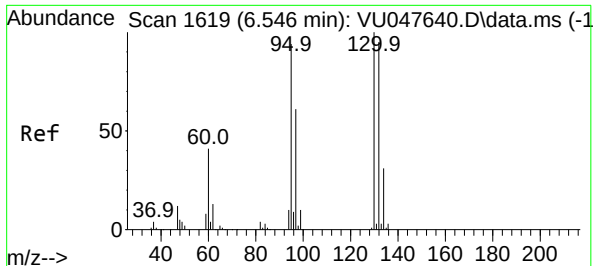
Tgt Ion: 117 Resp: 182666

Ion Ratio Lower Upper

117 100

119 96.3 77.2 115.8

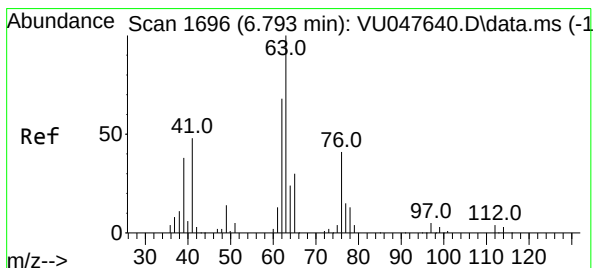
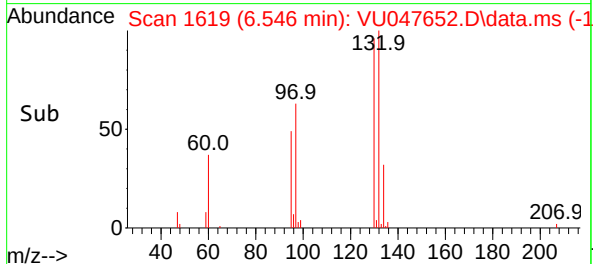
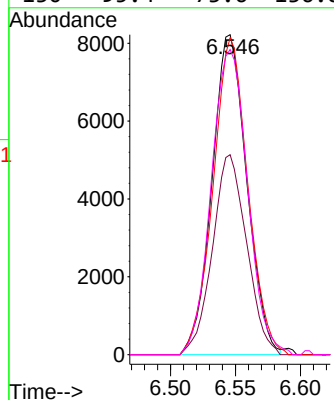
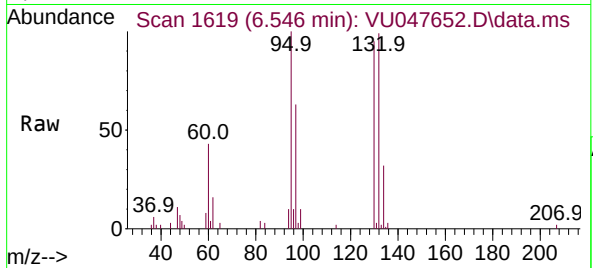




#34
Trichloroethene
Concen: 7.130 ug/L
RT: 6.546 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU047652.D
Acq: 24 Mar 2022 23:01

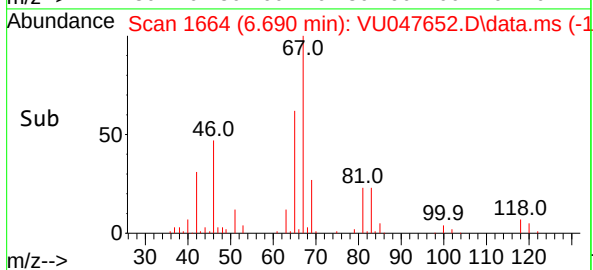
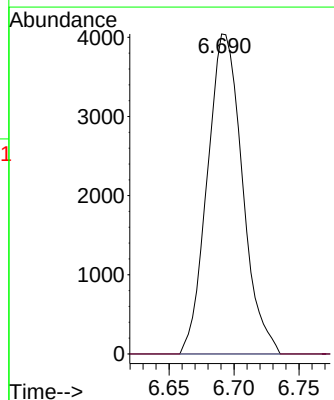
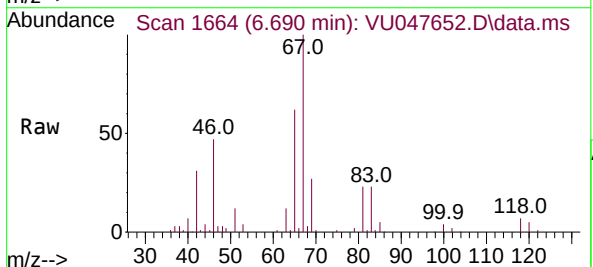
Instrument :
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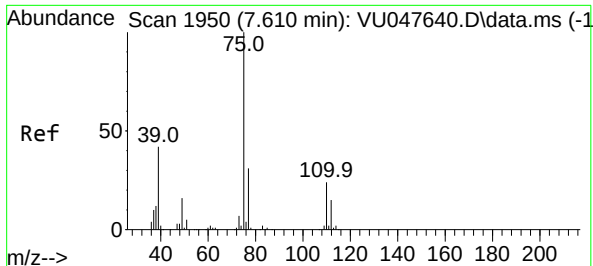
Tgt Ion: 95 Resp: 15260
Ion Ratio Lower Upper
95 100
97 62.5 44.7 82.9
132 99.0 70.4 130.8
130 95.4 73.6 136.8



#37
1,2-Dichloropropane
Concen: 3.657 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU047652.D
Acq: 24 Mar 2022 23:01

Tgt Ion: 63 Resp: 7589
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.615 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU047652.D

Acq: 24 Mar 2022 23:01

Instrument :

MSVOA_U

ClientSampleId :

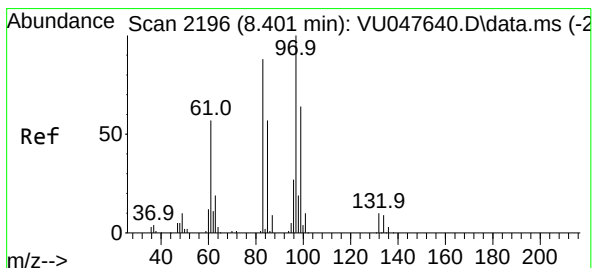
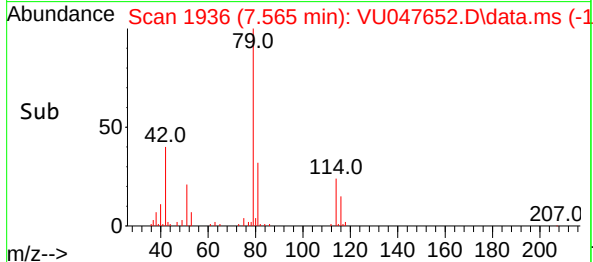
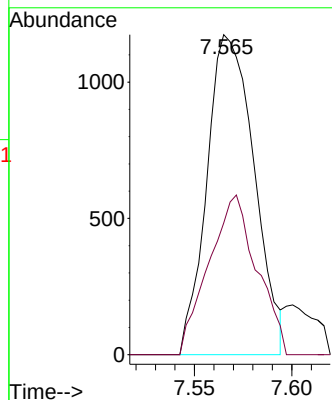
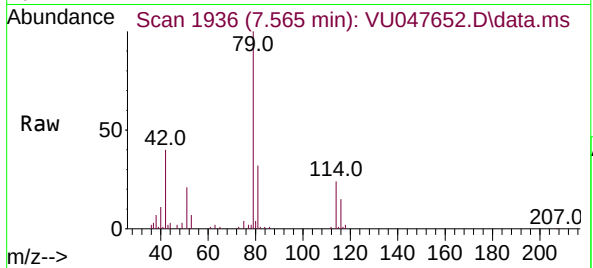
EW5X8

Tgt Ion: 75 Resp: 1980

Ion Ratio Lower Upper

75 100

77 41.1 21.8 40.6#



#45

1,1,2-Trichloroethane

Concen: 0.515 ug/L

RT: 8.404 min Scan# 2197

Delta R.T. 0.003 min

Lab File: VU047652.D

Acq: 24 Mar 2022 23:01

Tgt Ion: 97 Resp: 1133

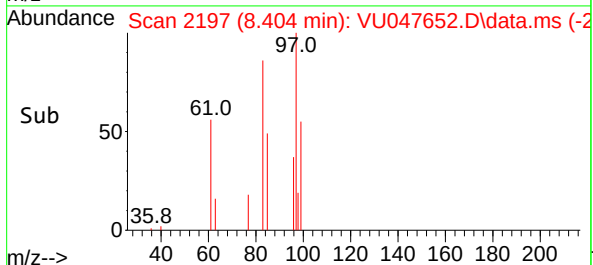
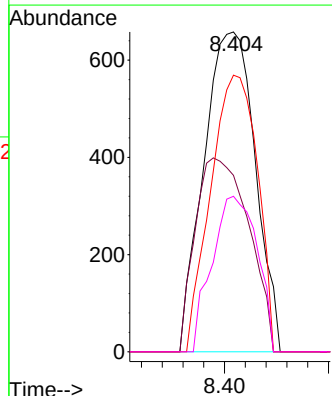
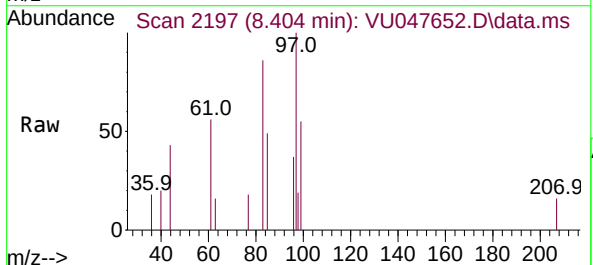
Ion Ratio Lower Upper

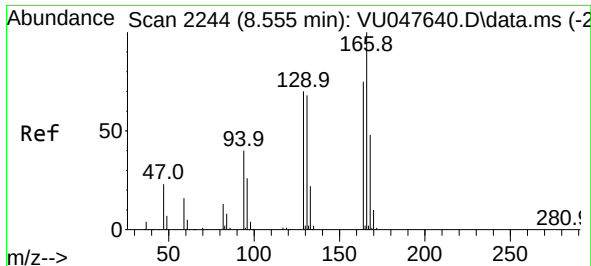
97 100

99 55.2 43.3 80.3

83 86.5 61.0 113.4

85 48.6 39.6 73.6

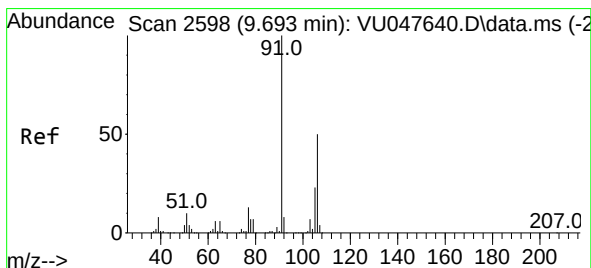
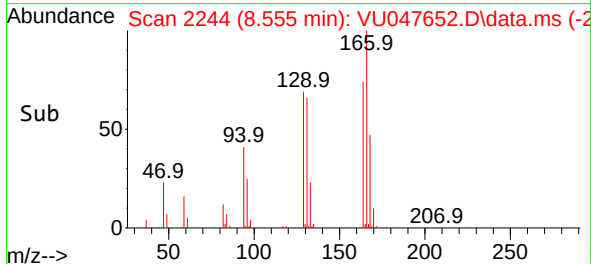
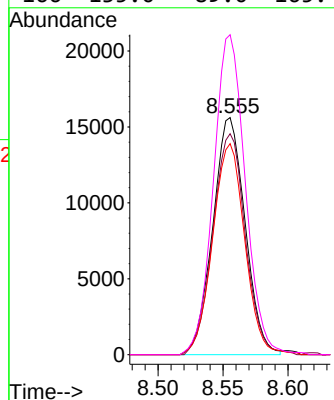
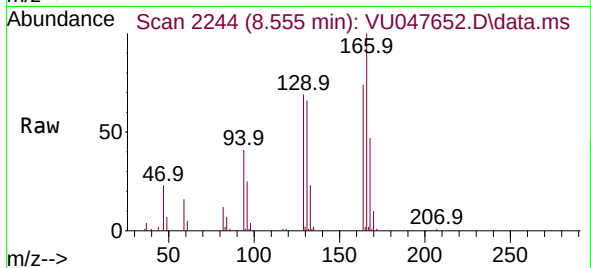




#46
Tetrachloroethene
Concen: 14.078 ug/L
RT: 8.555 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU047652.D
Acq: 24 Mar 2022 23:01

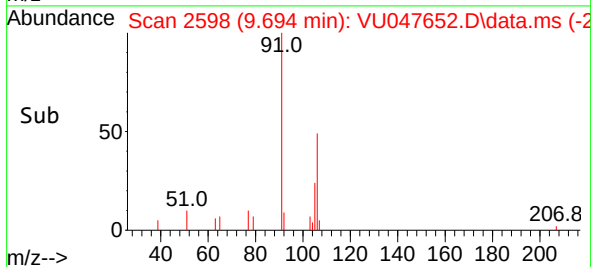
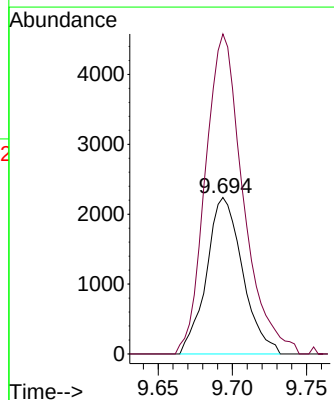
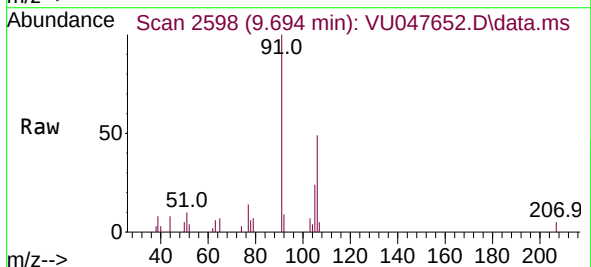
Instrument :
MSVOA_U
ClientSampleId :
EW5X8

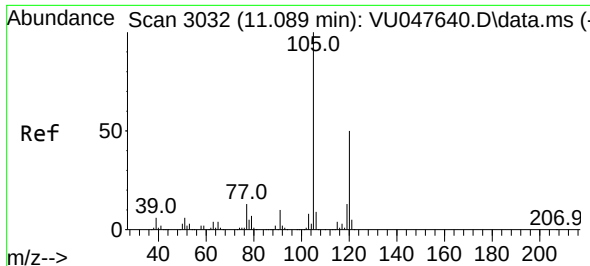
Tgt Ion:164 Resp: 27076
Ion Ratio Lower Upper
164 100
129 93.2 62.4 116.0
131 89.0 60.7 112.7
166 135.0 89.0 165.4



#53
m,p-Xylene
Concen: 1.024 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU047652.D
Acq: 24 Mar 2022 23:01

Tgt Ion:106 Resp: 3783
Ion Ratio Lower Upper
106 100
91 186.6 137.7 255.7

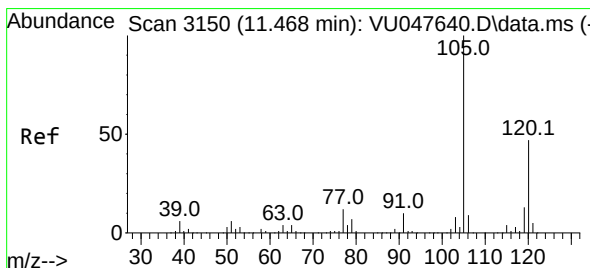
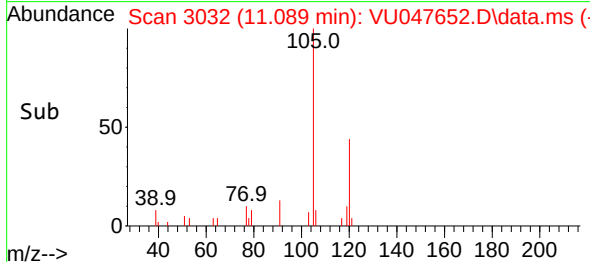
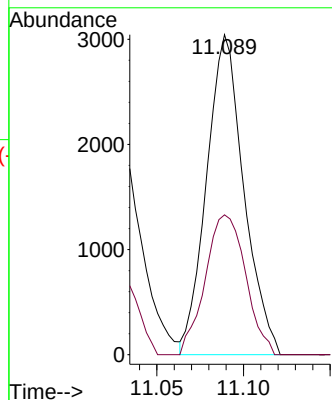
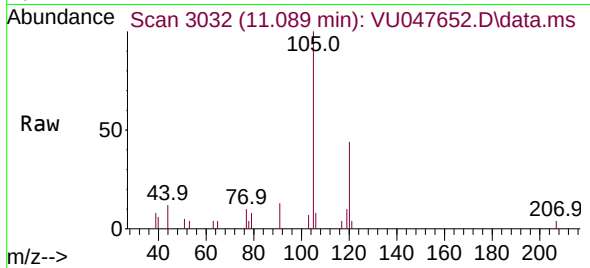




#62
1,3,5-Trimethylbenzene
Concen: 0.987 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU047652.D
Acq: 24 Mar 2022 23:01

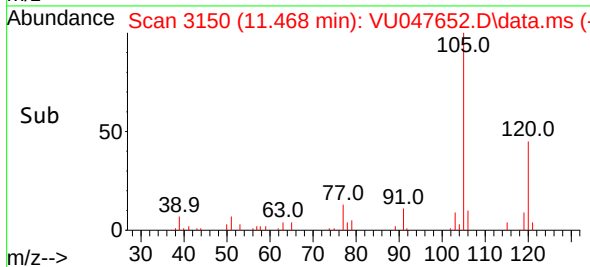
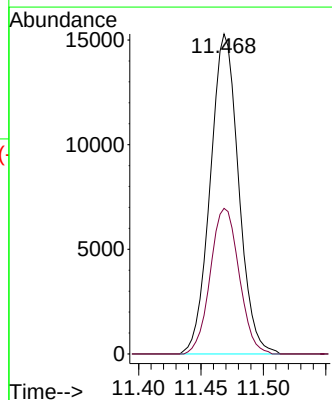
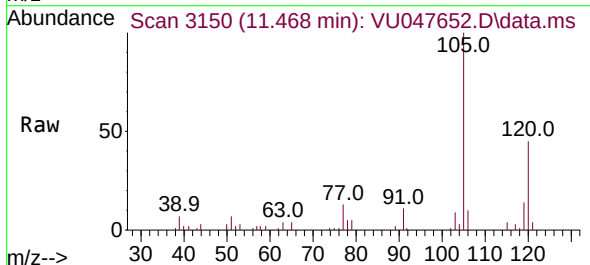
Instrument :
MSVOA_U
ClientSampleId :
EW5X8

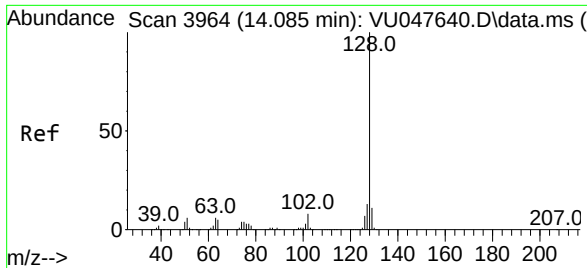
Tgt Ion:105 Resp: 4549
Ion Ratio Lower Upper
105 100
120 47.3 40.8 61.2



#63
1,2,4-Trimethylbenzene
Concen: 3.454 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU047652.D
Acq: 24 Mar 2022 23:01

Tgt Ion:105 Resp: 24188
Ion Ratio Lower Upper
105 100
120 46.2 37.6 56.4





#71

Naphthalene

Concen: 2.733 ug/L

RT: 14.089 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VU047652.D

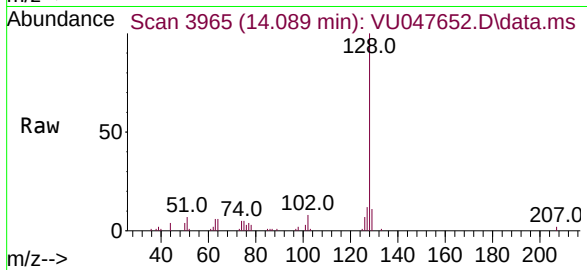
Acq: 24 Mar 2022 23:01

Instrument :

MSVOA_U

ClientSampleId :

EW5X8



Tgt Ion:128 Resp: 27371

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

129 11.2 8.8 13.2

