

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041322\
 Data File : VU047997.D
 Acq On : 13 Apr 2022 12:45
 Operator : SY/MD
 Sample : N2358-02
 Misc : 6.75g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETNS2

Quant Time: Apr 14 03:07:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 14 02:49:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	423368	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	460992	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	285586	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	41654	13.568	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	27.140%#		
7) Chloroethane-d5	1.874	69	23398	9.665	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery =	19.340%#		
11) 1,1-Dichloroethene-d2	2.543	63	50578	9.004	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	18.000%#		
21) 2-Butanone-d5	4.632	46	206136	78.226	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	78.230%		
24) Chloroform-d	5.060	84	125900	22.412	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	44.820%#		
26) 1,2-Dichloroethane-d4	5.700	65	85696	24.873	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	49.740%#		
32) Benzene-d6	5.722	84	202895	17.491	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	34.980%#		
36) 1,2-Dichloropropane-d6	6.690	67	81428	22.858	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	45.720%#		
41) Toluene-d8	7.899	98	159145	14.082	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	28.160%#		
43) trans-1,3-Dichloroprop...	8.185	79	36858	20.422	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	40.840%#		
47) 2-Hexanone-d5	8.652	63	165512	79.365	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery =	79.370%		
56) 1,1,2,2-Tetrachloroeth...	10.764	84	228337	37.348	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	74.700%		
66) 1,2-Dichlorobenzene-d4	12.195	152	149186	29.362	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	58.720%#		
Target Compounds						Qvalue
27) 1,2-Dichloroethane	5.767	62	4916	1.094	ug/L #	75
29) Cyclohexane	5.362	56	21122	4.515	ug/L #	45
33) Benzene	5.767	78	1022732	76.646	ug/L	100
35) Methylcyclohexane	6.761	83	6419	1.206	ug/L	86
42) Toluene	7.970	91	135239	9.237	ug/L	99
45) 1,1,2-Trichloroethane	8.372	97	2595	0.721	ug/L #	1
51) Chlorobenzene	9.452	112	1223674	123.092	ug/L	97
52) Ethylbenzene	9.578	91	10396	0.675	ug/L	95
53) m,p-Xylene	9.697	106	6495	1.075	ug/L	94
54) o-Xylene	10.105	106	4746	0.801	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.787	83	105347	15.620	ug/L #	27
60) 1,2,3-Trichloropropane	10.787	75	15147	2.813	ug/L #	1
64) 1,3-Dichlorobenzene	11.751	146	9851	1.148	ug/L	95
65) 1,4-Dichlorobenzene	11.841	146	28081	3.160	ug/L	98
67) 1,2-Dichlorobenzene	12.217	146	70777	8.245	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.973	75	3012816	1747.020	ug/L #	1

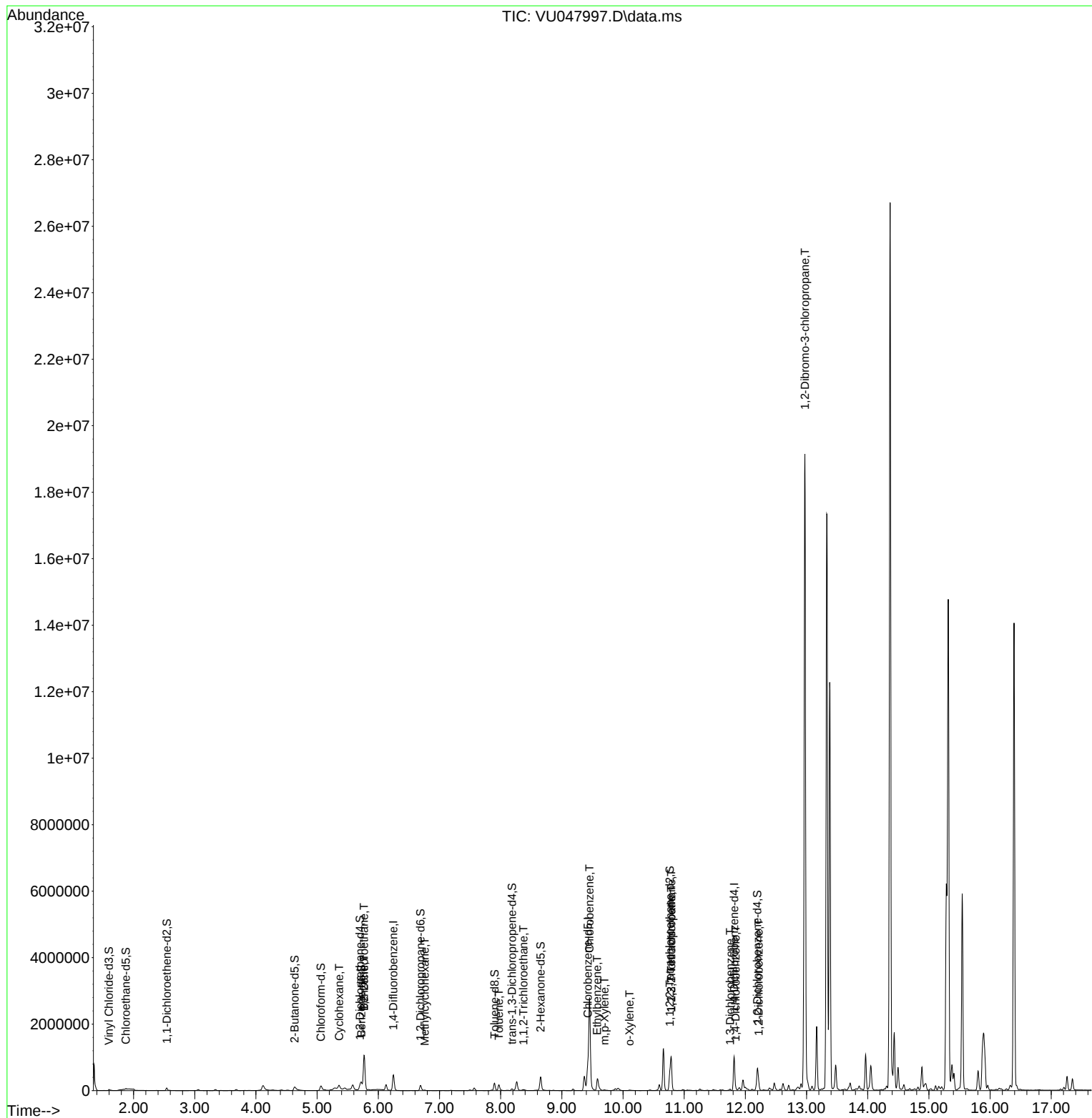
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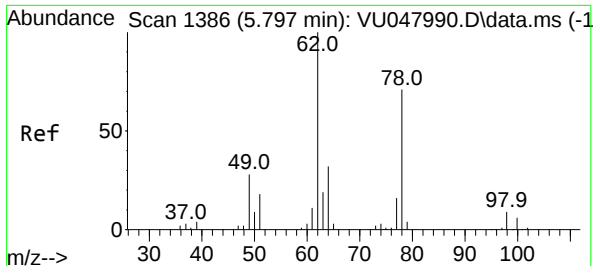
Instrument :
MSVOA_U
ClientSampleId :
ETNS2

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 14 02:49:33 2022
Response via : Initial Calibration





#27

1,2-Dichloroethane

Concen: 1.094 ug/L

RT: 5.767 min Scan# 11

Delta R.T. -0.029 min

Lab File: VU047997.D

Acq: 13 Apr 2022 12:45

Instrument :

MSVOA_U

ClientSampleId :

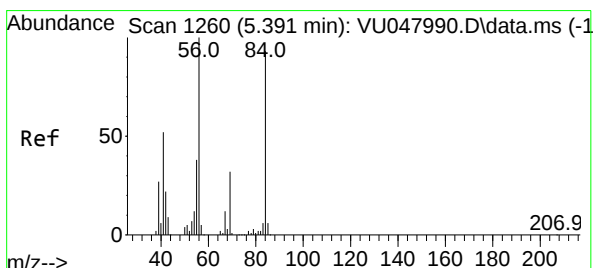
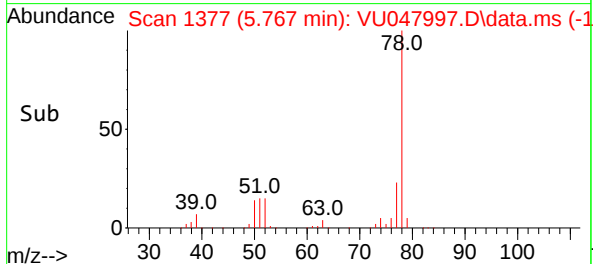
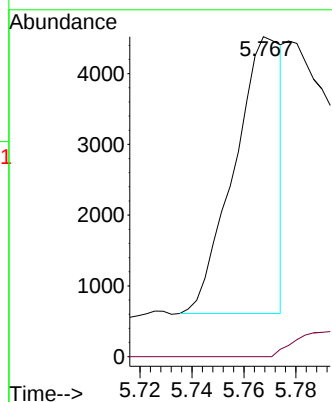
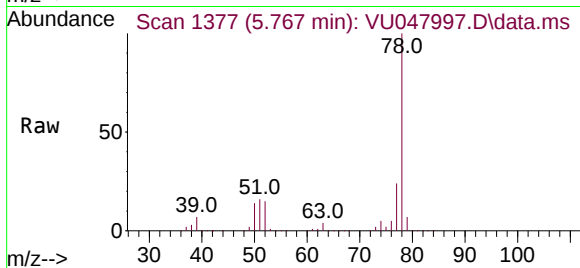
ETNS2

Tgt Ion: 62 Resp: 4916

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#29

Cyclohexane

Concen: 4.515 ug/L

RT: 5.362 min Scan# 1251

Delta R.T. -0.029 min

Lab File: VU047997.D

Acq: 13 Apr 2022 12:45

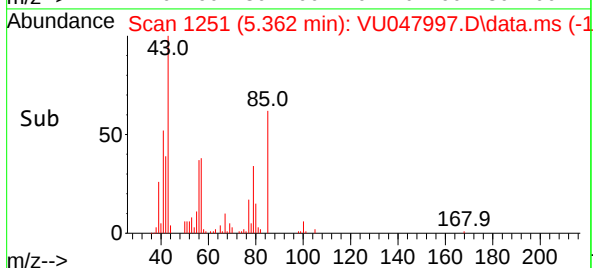
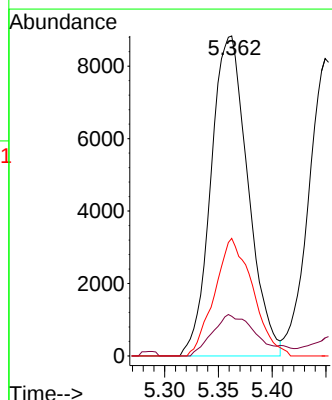
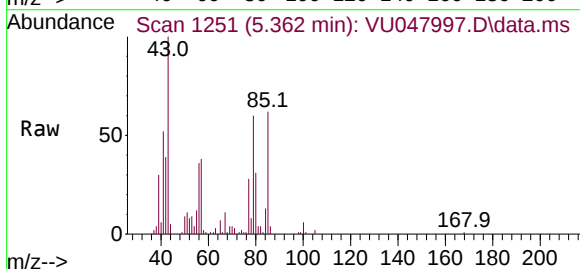
Tgt Ion: 56 Resp: 21122

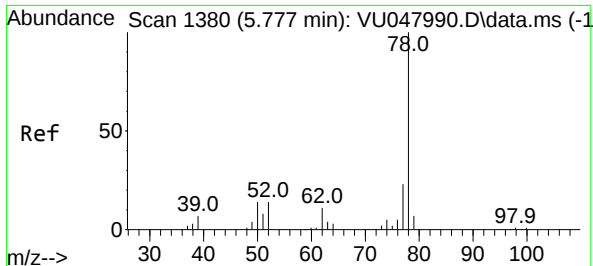
Ion Ratio Lower Upper

56 100

69 9.0 25.4 38.2#

84 37.9 77.0 115.6#

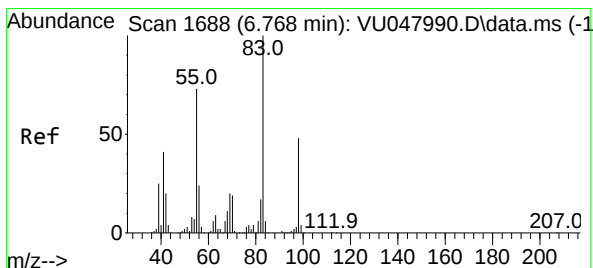
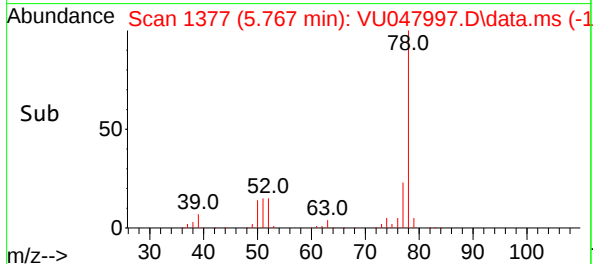
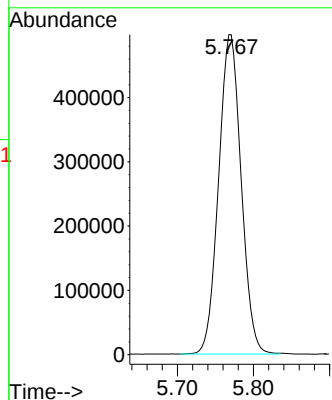
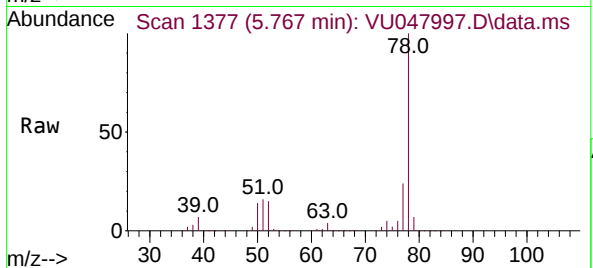




#33
Benzene
Concen: 76.646 ug/L
RT: 5.767 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU047997.D
Acq: 13 Apr 2022 12:45

Instrument :
MSVOA_U
ClientSampleId :
ETNS2

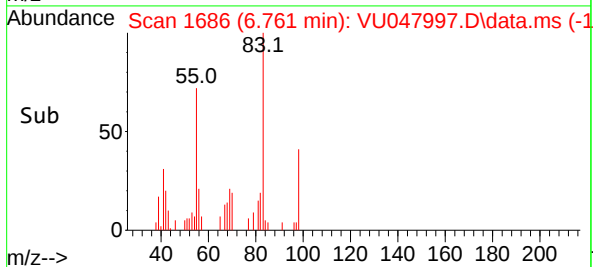
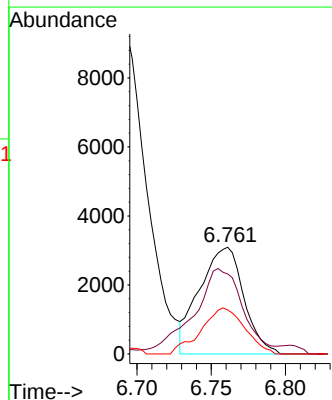
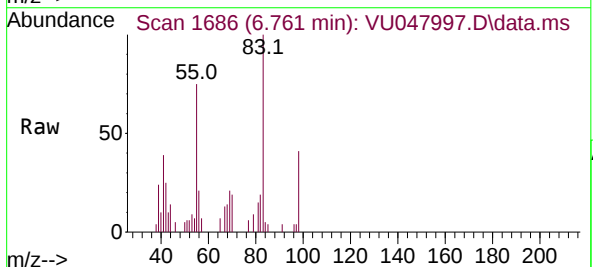
Tgt Ion: 78 Resp: 1022732

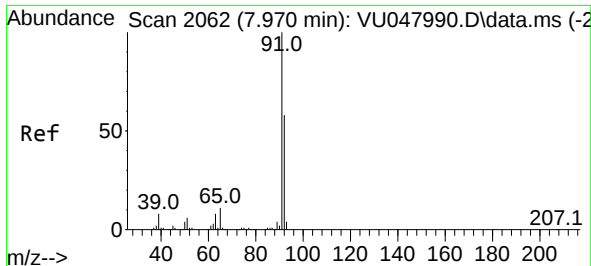


#35
Methylcyclohexane
Concen: 1.206 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.007 min
Lab File: VU047997.D
Acq: 13 Apr 2022 12:45

Tgt Ion: 83 Resp: 6419

Ion	Ratio	Lower	Upper
83	100		
55	82.5	56.8	85.2
98	38.8	38.1	57.1





#42

Toluene

Concen: 9.237 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU047997.D

Acq: 13 Apr 2022 12:45

Instrument :

MSVOA_U

ClientSampleId :

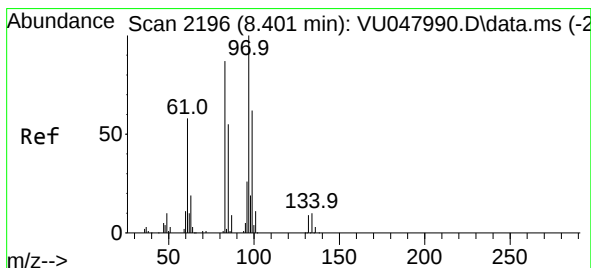
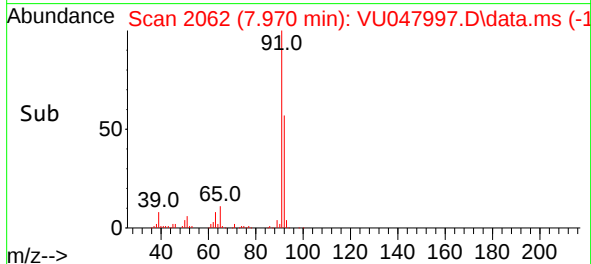
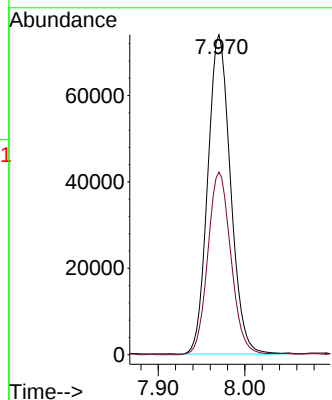
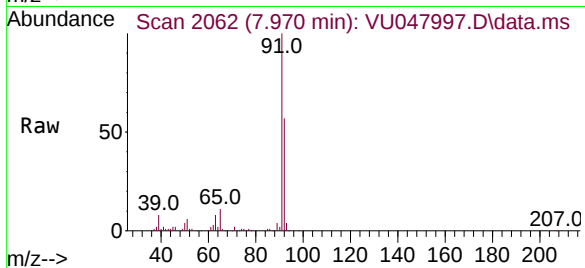
ETNS2

Tgt Ion: 91 Resp: 135239

Ion Ratio Lower Upper

91 100

92 57.1 40.4 75.0



#45

1,1,2-Trichloroethane

Concen: 0.721 ug/L

RT: 8.372 min Scan# 2187

Delta R.T. -0.029 min

Lab File: VU047997.D

Acq: 13 Apr 2022 12:45

Tgt Ion: 97 Resp: 2595

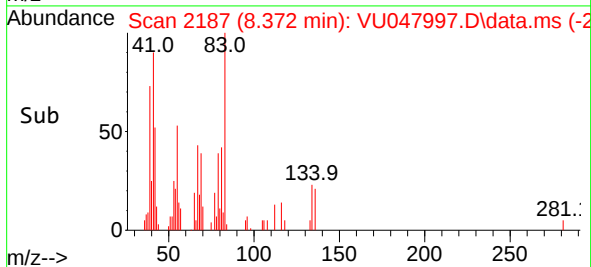
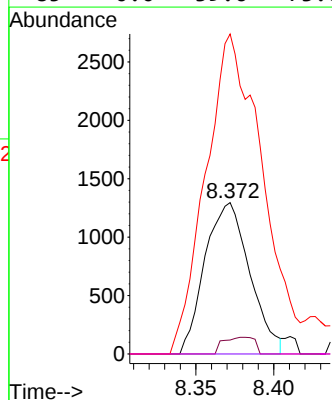
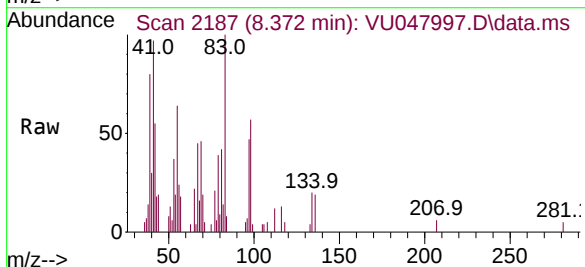
Ion Ratio Lower Upper

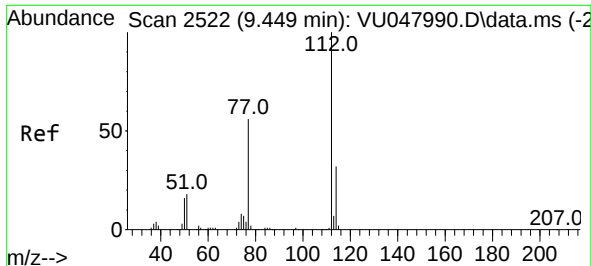
97 100

99 9.3 43.3 80.3#

83 211.5 61.0 113.4#

85 0.0 39.6 73.6#

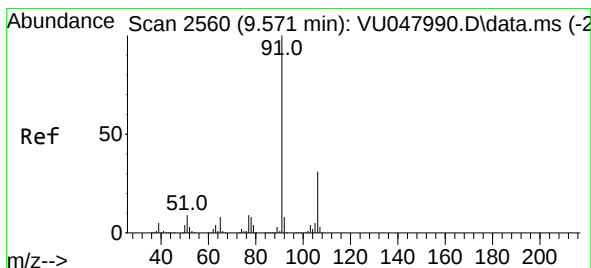
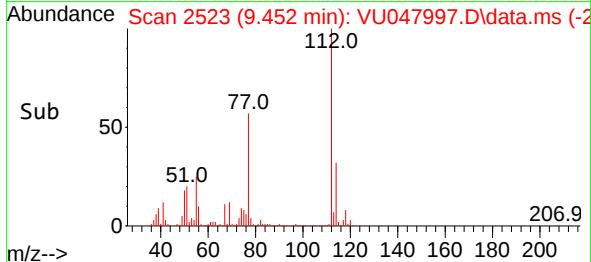
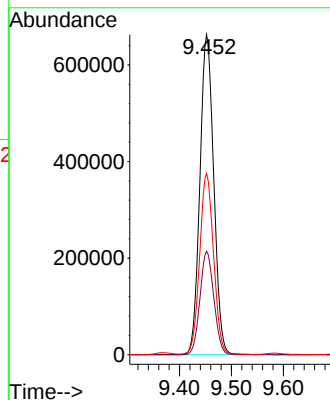
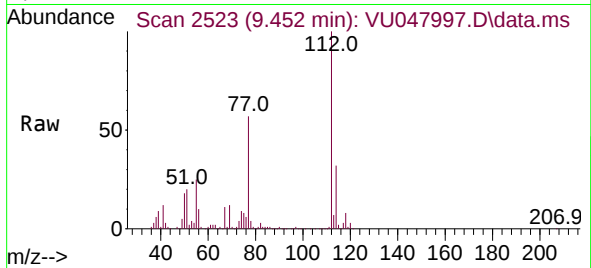




#51
Chlorobenzene
Concen: 123.092 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. 0.003 min
Lab File: VU047997.D
Acq: 13 Apr 2022 12:45

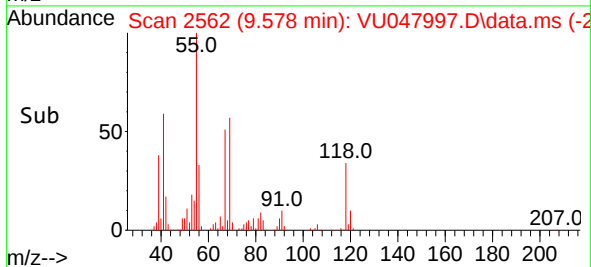
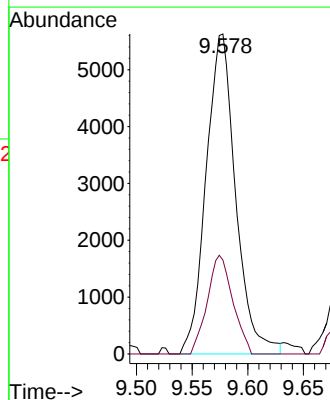
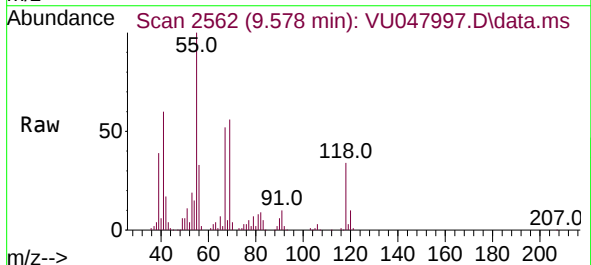
Instrument :
MSVOA_U
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ETNS2

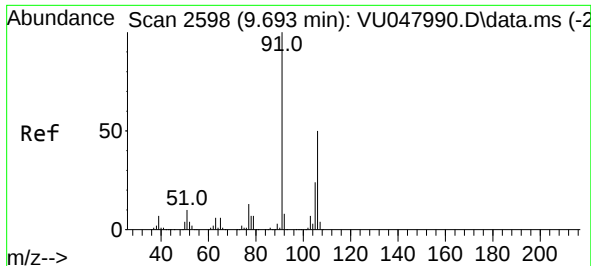
Tgt Ion:112 Resp: 1223674
Ion Ratio Lower Upper
112 100
114 32.4 22.1 41.1
77 56.7 43.4 65.0



#52
Ethylbenzene
Concen: 0.675 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. 0.006 min
Lab File: VU047997.D
Acq: 13 Apr 2022 12:45

Tgt Ion: 91 Resp: 10396
Ion Ratio Lower Upper
91 100
106 29.3 22.4 41.6

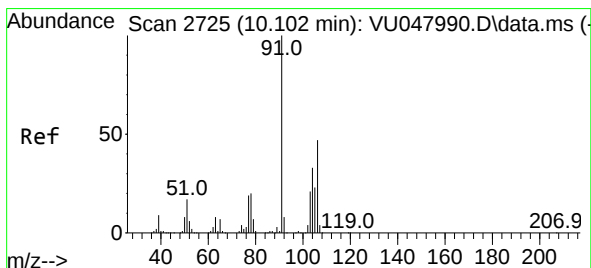
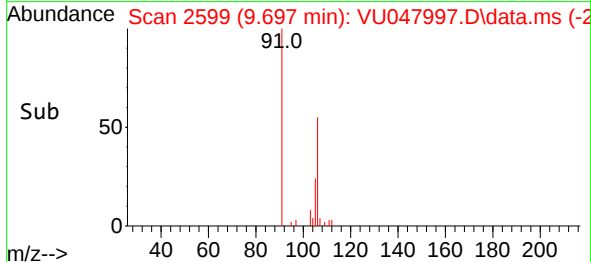
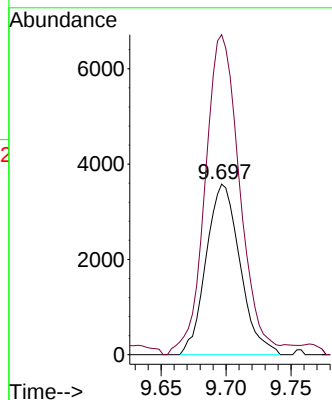
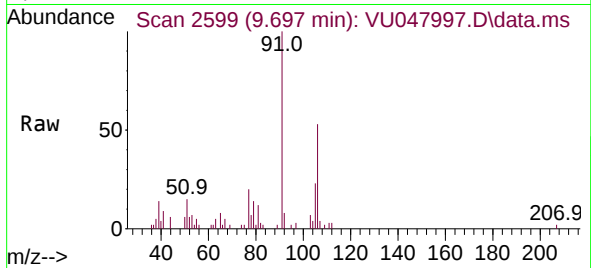




#53
m,p-Xylene
Concen: 1.075 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU047997.D
Acq: 13 Apr 2022 12:45

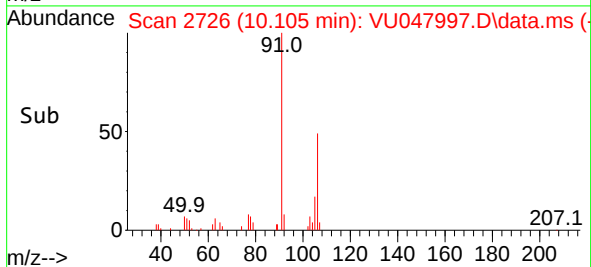
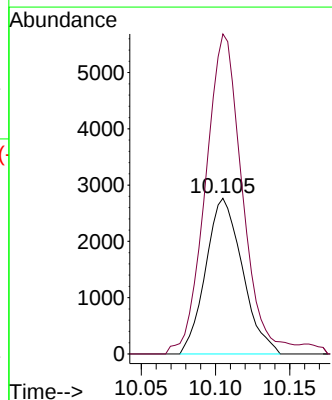
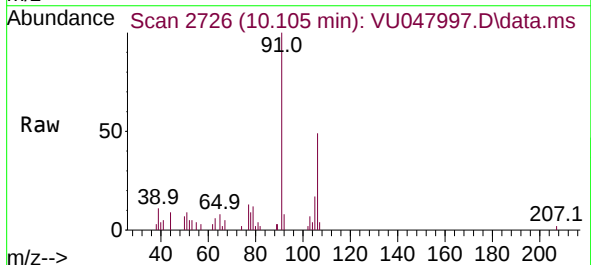
Instrument :
MSVOA_U
ClientSampleId :
ETNS2

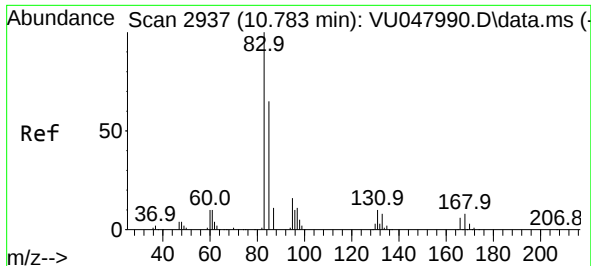
Tgt Ion:106 Resp: 6495
Ion Ratio Lower Upper
106 100
91 187.7 137.7 255.7



#54
o-Xylene
Concen: 0.801 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. 0.003 min
Lab File: VU047997.D
Acq: 13 Apr 2022 12:45

Tgt Ion:106 Resp: 4746
Ion Ratio Lower Upper
106 100
91 205.5 146.7 272.5





#57

1,1,2,2-Tetrachloroethane

Concen: 15.620 ug/L

RT: 10.787 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VU047997.D

Acq: 13 Apr 2022 12:45

Instrument :

MSVOA_U

ClientSampleId :

ETNS2

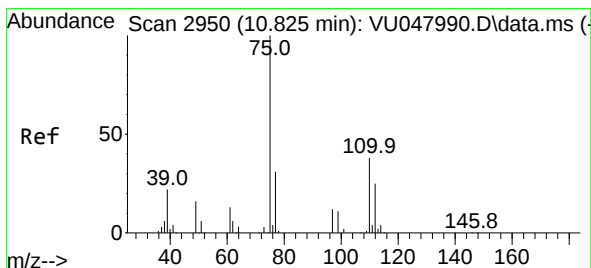
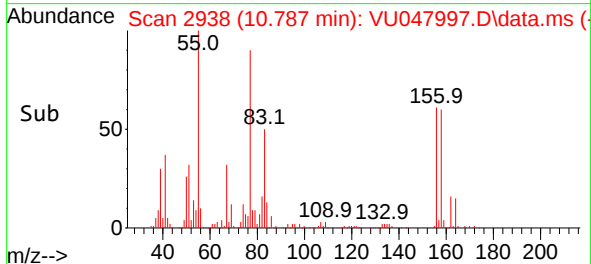
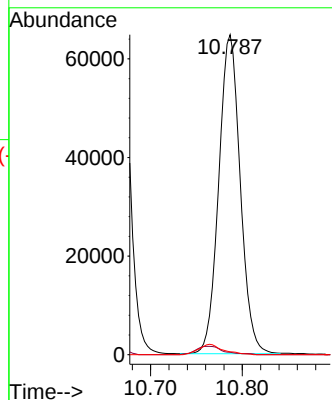
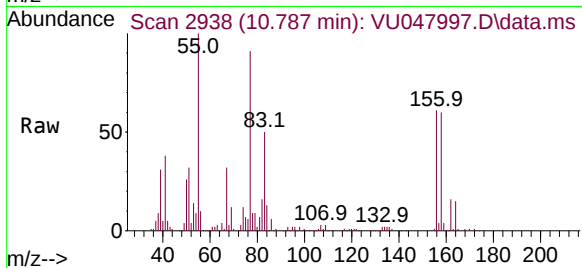
Tgt Ion: 83 Resp: 105347

Ion Ratio Lower Upper

83 100

85 0.7 44.9 83.3#

131 0.9 8.6 13.0#



#60

1,2,3-Trichloropropane

Concen: 2.813 ug/L

RT: 10.787 min Scan# 2938

Delta R.T. -0.039 min

Lab File: VU047997.D

Acq: 13 Apr 2022 12:45

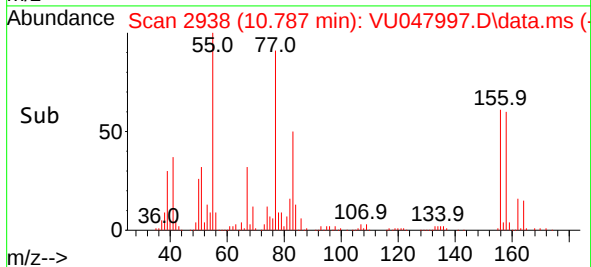
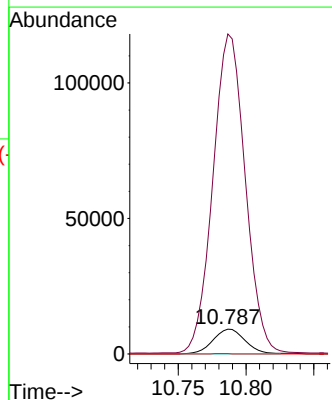
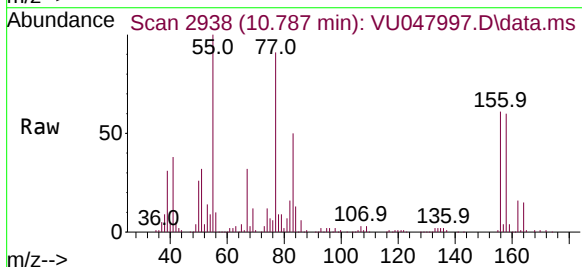
Tgt Ion: 75 Resp: 15147

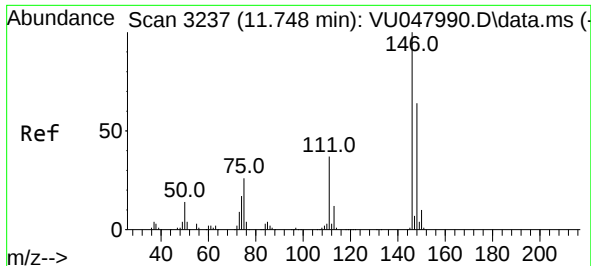
Ion Ratio Lower Upper

75 100

77 1286.2 26.0 39.0#

110 0.6 31.4 47.2#

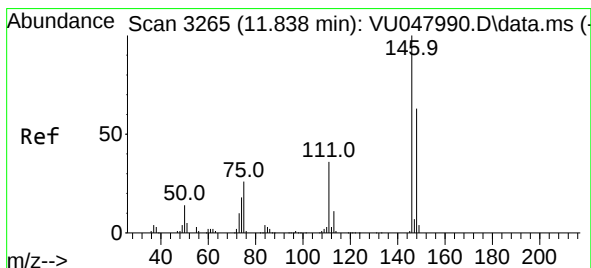
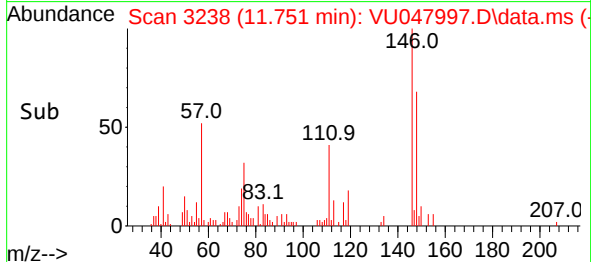
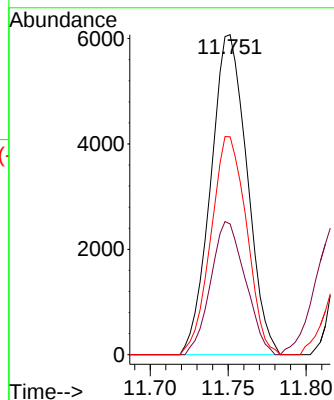
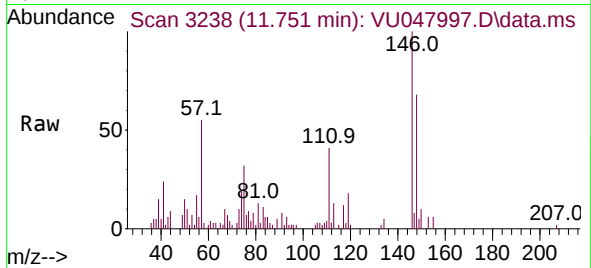




#64
1,3-Dichlorobenzene
Concen: 1.148 ug/L
RT: 11.751 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU047997.D
Acq: 13 Apr 2022 12:45

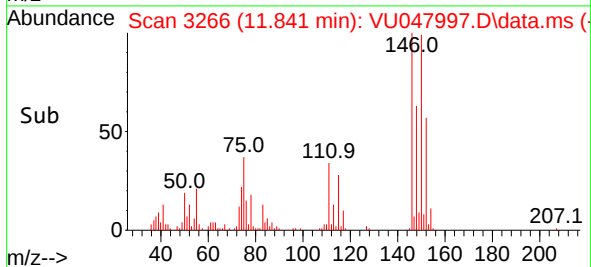
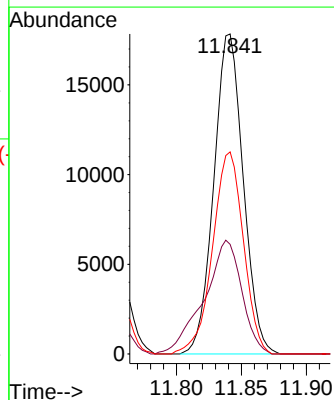
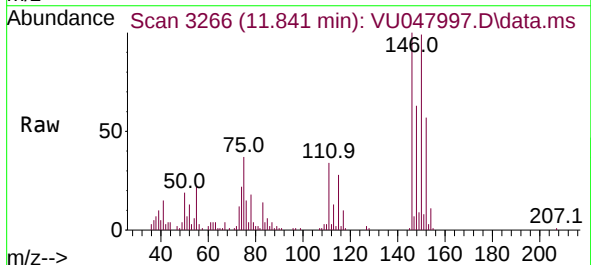
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MSVOA_U
ClientSampleId :
ETNS2

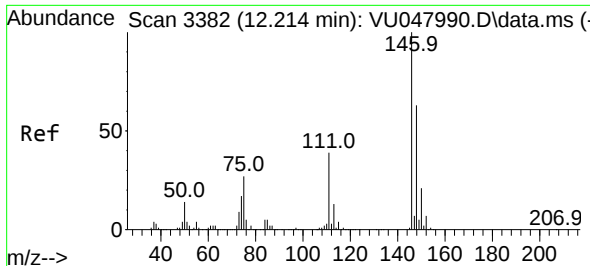
Tgt Ion:146 Resp: 9851
Ion Ratio Lower Upper
146 100
111 40.8 26.7 49.7
148 68.1 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 3.160 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.003 min
Lab File: VU047997.D
Acq: 13 Apr 2022 12:45

Tgt Ion:146 Resp: 28081
Ion Ratio Lower Upper
146 100
111 34.3 25.3 47.1
148 63.1 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 8.245 ug/L

RT: 12.217 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU047997.D

Acq: 13 Apr 2022 12:45

Instrument :

MSVOA_U

ClientSampleId :

ETNS2

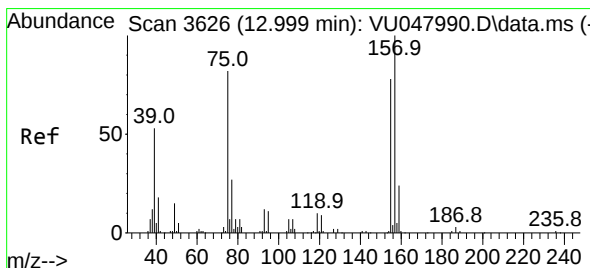
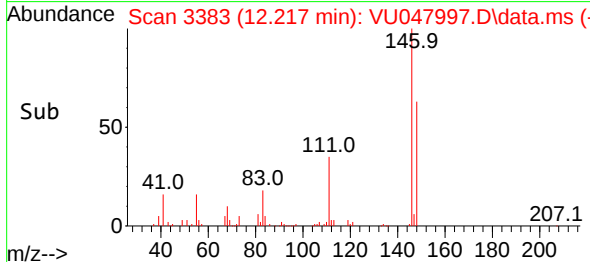
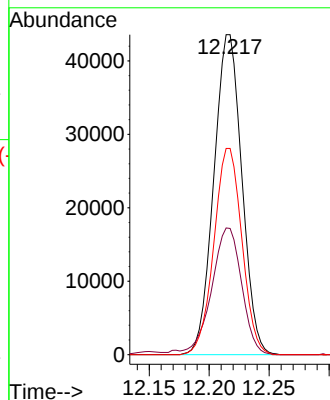
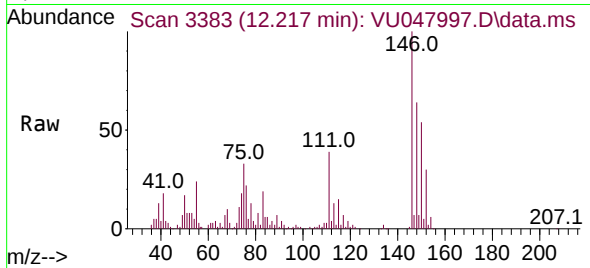
Tgt Ion:146 Resp: 70777

Ion Ratio Lower Upper

146 100

111 39.4 31.7 47.5

148 64.5 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 1747.020 ug/L

RT: 12.973 min Scan# 3618

Delta R.T. -0.026 min

Lab File: VU047997.D

Acq: 13 Apr 2022 12:45

Tgt Ion: 75 Resp: 3012816

Ion Ratio Lower Upper

75 100

155 3.0 78.9 118.3#

157 2.7 97.5 146.3#

