

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051320\
 Data File : VU038145.D
 Acq On : 13 May 2020 15:53
 Operator : JC/MD
 Sample : L2630-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX11

Quant Time: May 14 02:20:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 14 01:11:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	365564	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	357177	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	173274	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	126020	3.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.40%
7) Chloroethane-d5	1.93	69	121367	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	2.59	63	176173	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	4.66	46	477856	57.92	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.84%
24) Chloroform-d	5.10	84	243909	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.74	65	144951	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.76	84	505425	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.72	67	168878	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.92	98	442192	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	8.20	79	63421	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.65	63	398204	60.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.88%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	140638	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	165290	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	73450	1.860	ug/L	99
12) 1,1-Dichloroethene	2.61	96	11798	0.465	ug/L #	1
13) Acetone	2.66	43	4559	0.881	ug/L	99
18) trans-1,2-Dichloroethene	3.38	96	3712	0.134	ug/L	97
19) 1,1-Dichloroethane	3.91	63	56467	1.044	ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	335666	11.246	ug/L	98
25) Chloroform	5.13	83	176832	3.505	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	95906	2.344	ug/L	100
30) Cyclohexane	5.42	56	9913	0.205	ug/L #	91
34) Trichloroethene	6.57	95	14226	0.497	ug/L	97
51) Chlorobenzene	9.47	112	46509	0.621	ug/L	98
62) 1,3-Dichlorobenzene	11.75	146	12462	0.221	ug/L	94
63) 1,4-Dichlorobenzene	11.85	146	12452	0.218	ug/L	94
65) 1,2-Dichlorobenzene	12.23	146	5109	0.094	ug/L	89
68) 1,2,4-trichlorobenzene	13.87	180	15245	0.411	ug/L	93
70) 1,2,3-Trichlorobenzene	14.36	180	13485	0.391	ug/L	94

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QLast Update : Thu May 14 01:11:51 2020
Response via : Initial Calibration

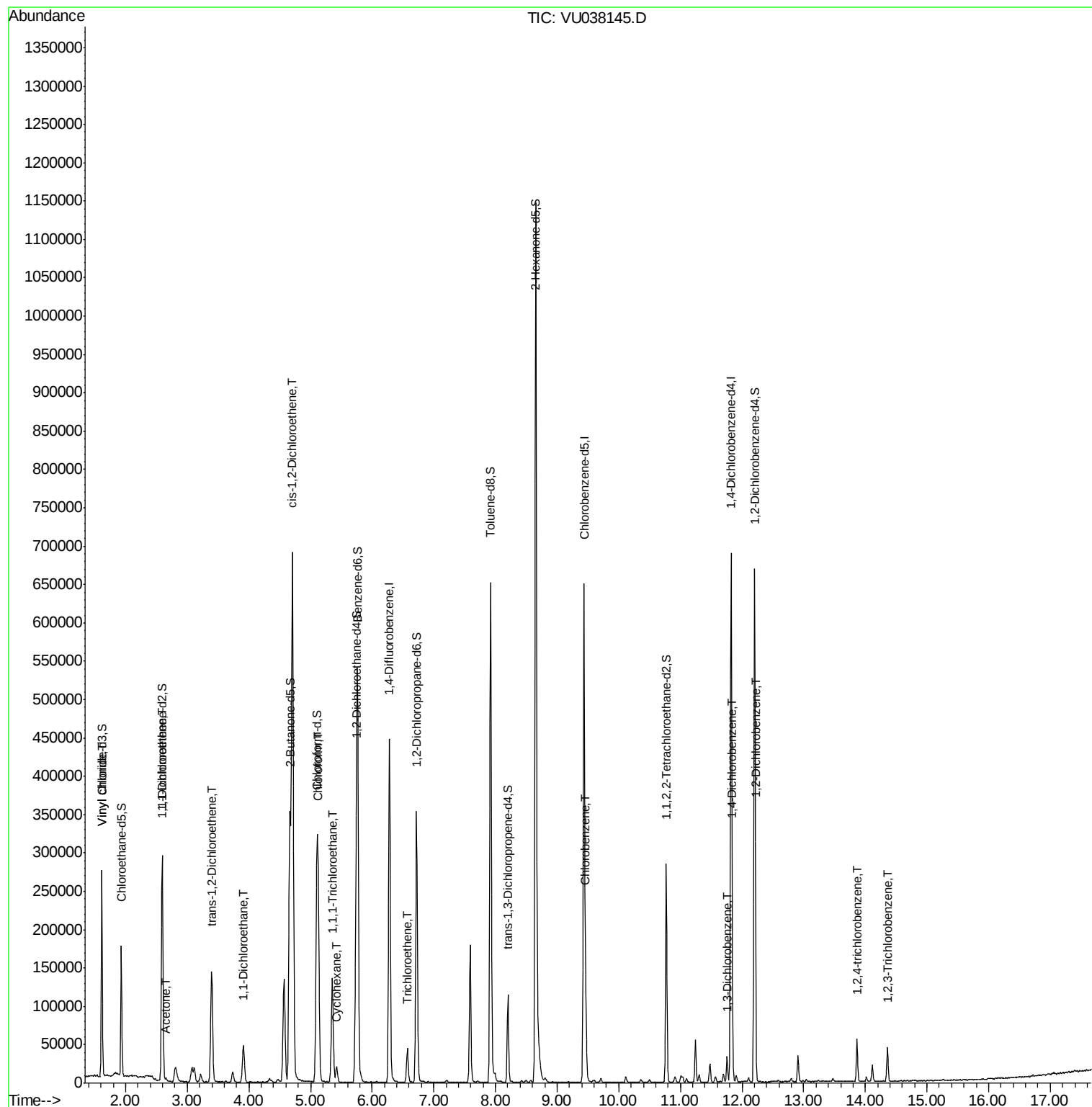
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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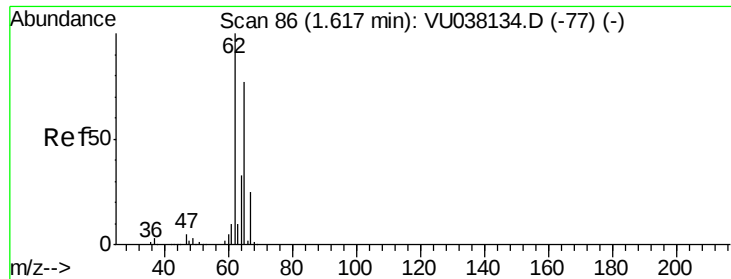
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.860 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU038145.D

Acq: 13 May 2020 15:53

Instrument :

MSVOA_U

ClientSampleId :

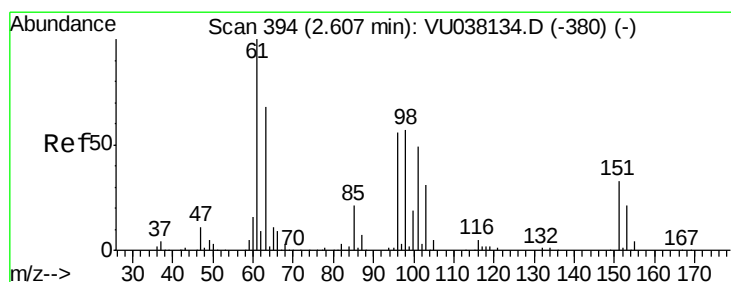
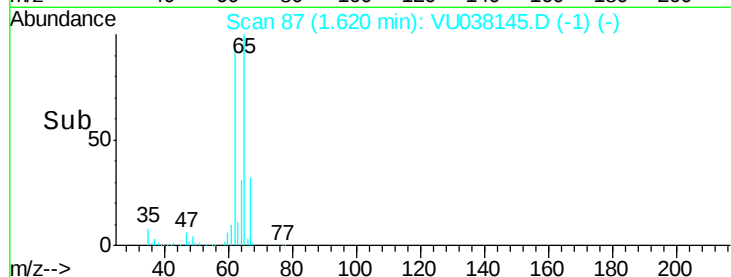
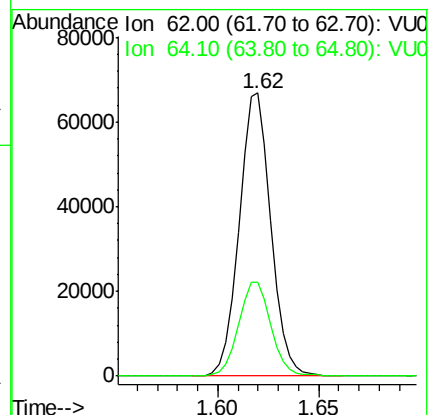
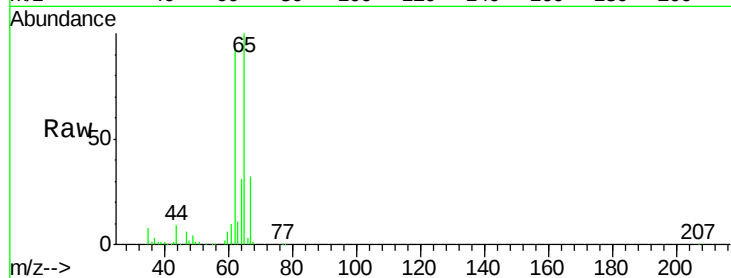
BFX11

Tot Ion: 62 Resp: 73450

Ion Ratio Lower Upper

62 100

64 33.4 22.8 42.4



#12

1,1-Dichloroethene

Concen: 0.465 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038145.D

Acq: 13 May 2020 15:53

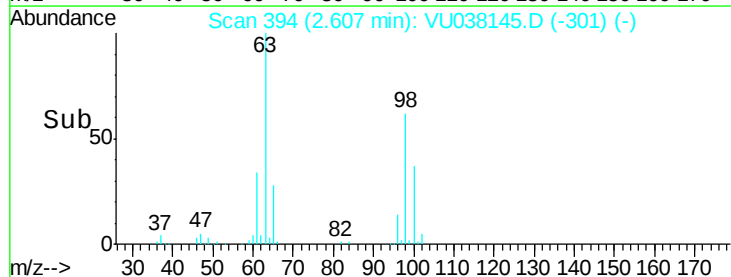
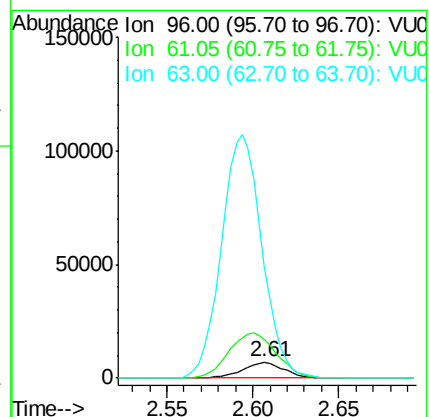
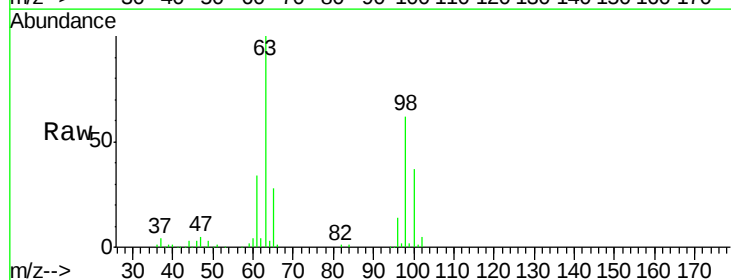
Tgt Ion: 96 Resp: 11798

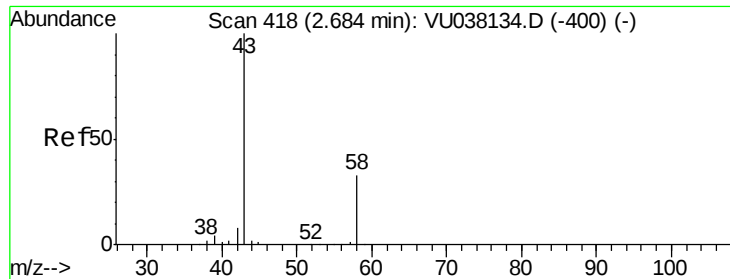
Ion Ratio Lower Upper

96 100

61 244.3 126.2 234.4#

63 709.4 96.9 179.9#





#13

Acetone

Concen: 0.881 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.03 min

Lab File: VU038145.D

Acq: 13 May 2020 15:53

Instrument :

MSVOA_U

ClientSampled :

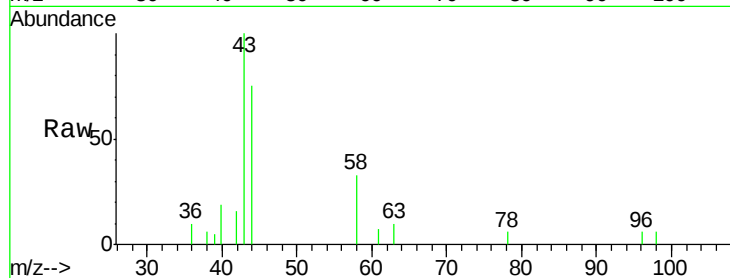
BFX11

Tot Ion: 43 Resp: 4559

Ion Ratio Lower Upper

43 100

58 32.6 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038134.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038134.D (-400) (-)

2500

2000

1500

1000

500

0

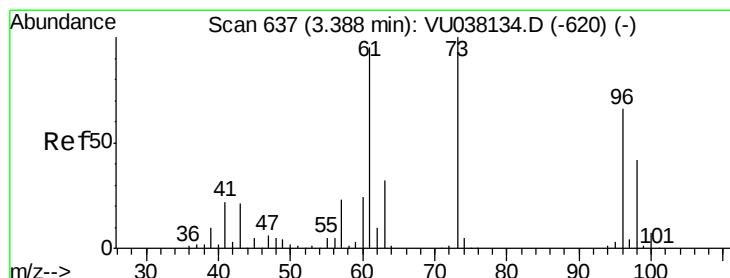
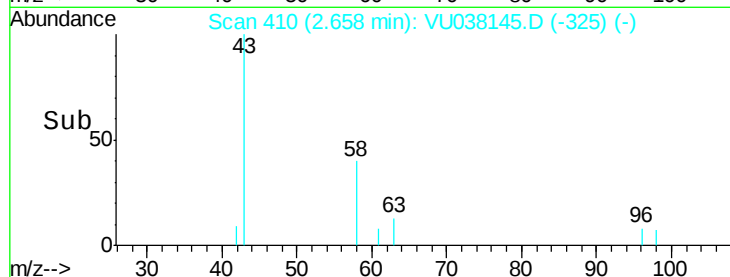
2.55

2.60

2.65

2.70

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.134 ug/L

RT: 3.38 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU038145.D

Acq: 13 May 2020 15:53

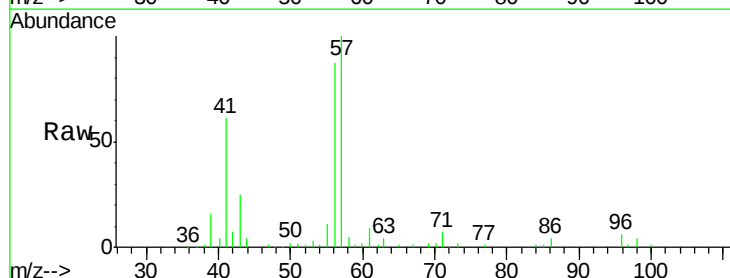
Tgt Ion: 96 Resp: 3712

Ion Ratio Lower Upper

96 100

61 148.3 102.1 189.5

98 68.5 45.6 84.8



Abundance Ion 96.00 (95.70 to 96.70): VU038134.D (-620) (-)

Ion 61.05 (60.75 to 61.75): VU038134.D (-620) (-)

Ion 97.95 (97.65 to 98.65): VU038134.D (-620) (-)

4000

3000

2000

1000

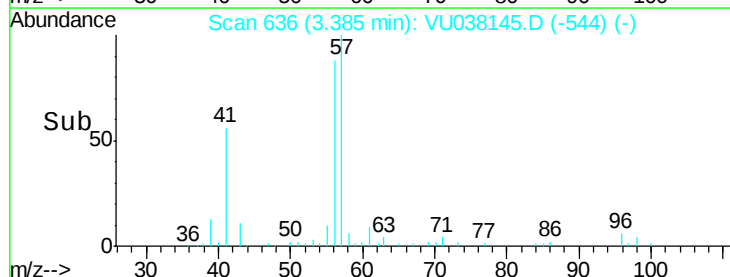
0

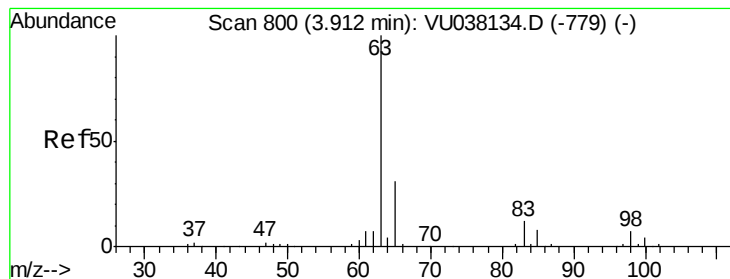
3.35

3.40

3.45

Time-->





#19

1,1-Dichloroethane

Concen: 1.044 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU038145.D

Acq: 13 May 2020 15:53

Instrument :

MSVOA_U

ClientSampleId :

BFX11

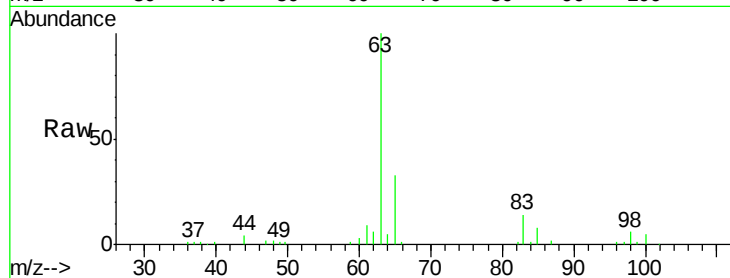
Tot Ion: 63 Resp: 56467

Ion Ratio Lower Upper

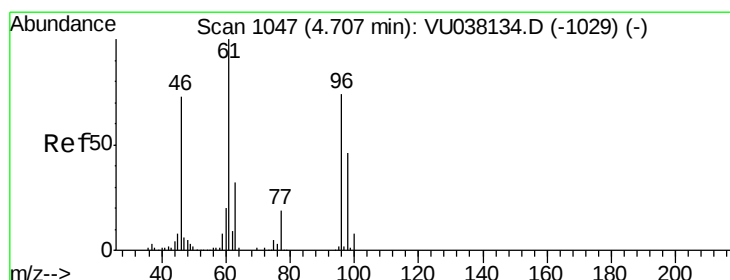
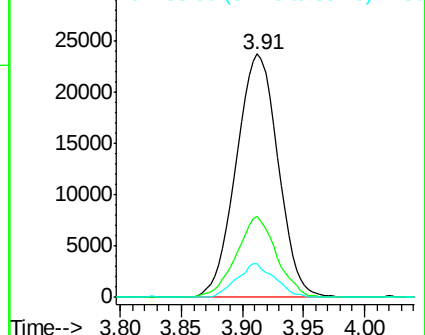
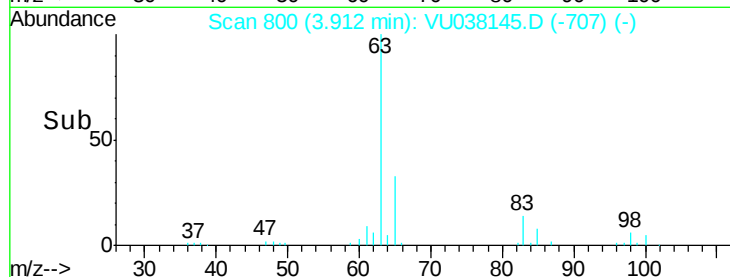
63 100

65 33.1 22.5 41.7

83 13.7 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU038145.D (-707) (-)



#22

cis-1,2-Dichloroethene

Concen: 11.246 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038145.D

Acq: 13 May 2020 15:53

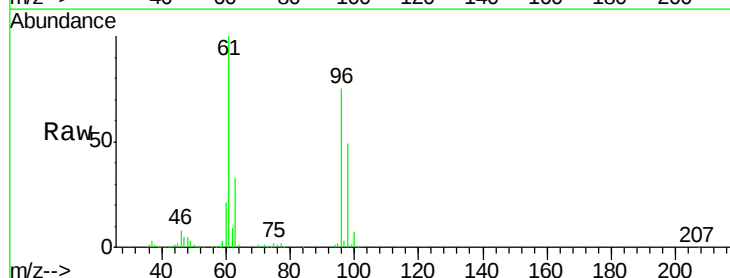
Tgt Ion: 96 Resp: 335666

Ion Ratio Lower Upper

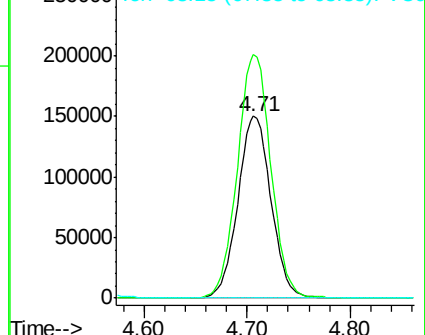
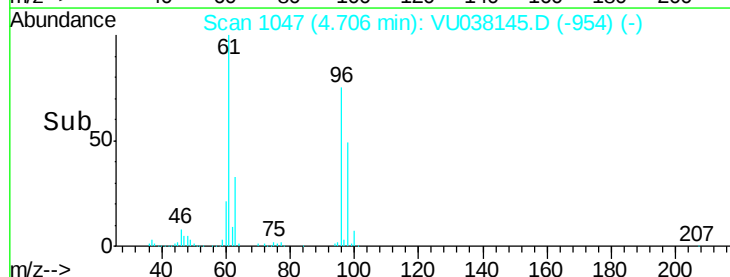
96 100

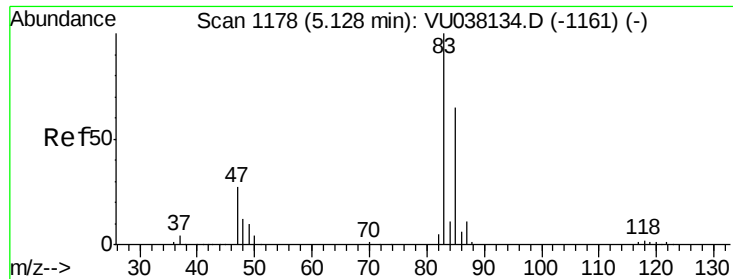
61 134.0 95.3 176.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038145.D (-954) (-)

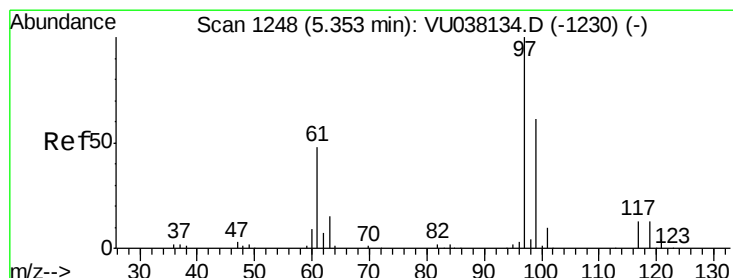
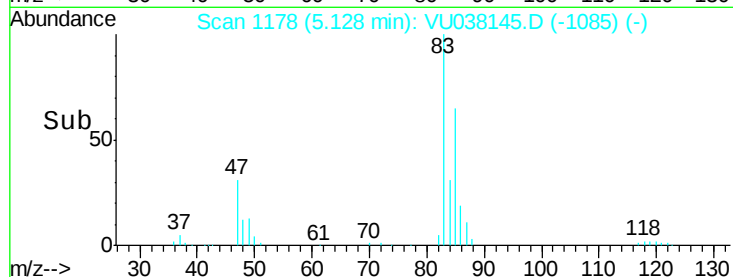
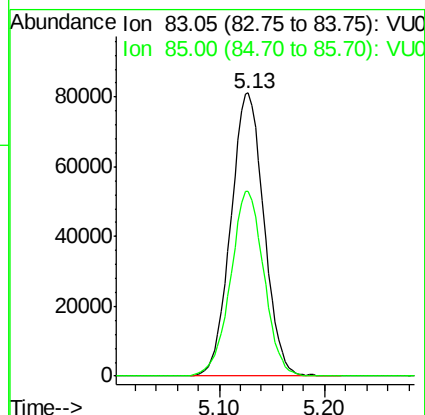
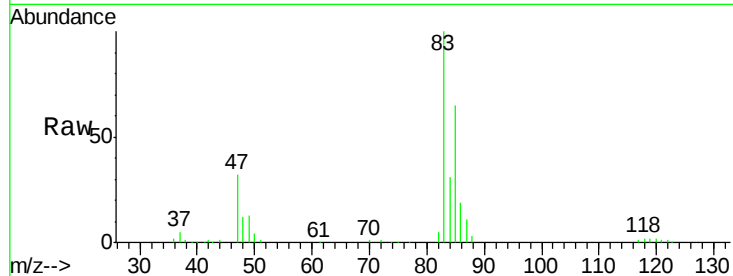




#25
Chloroform
Concen: 3.505 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038145.D
Acq: 13 May 2020 15:53

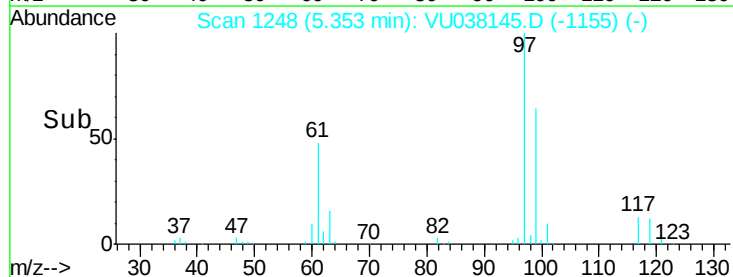
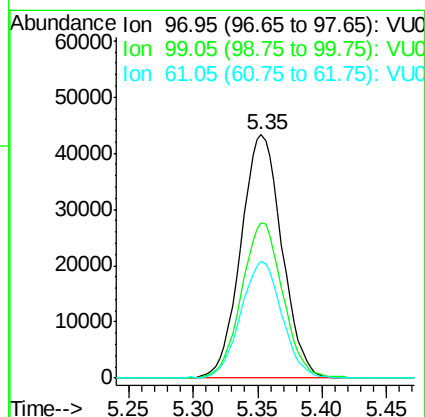
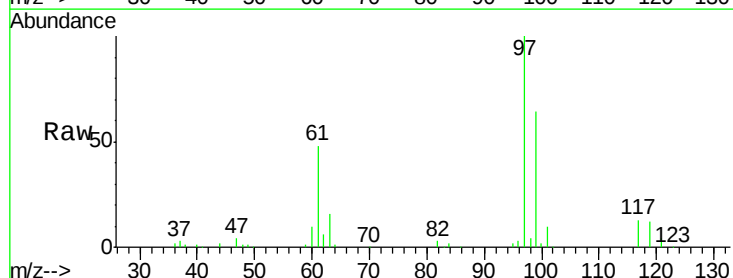
Instrument :
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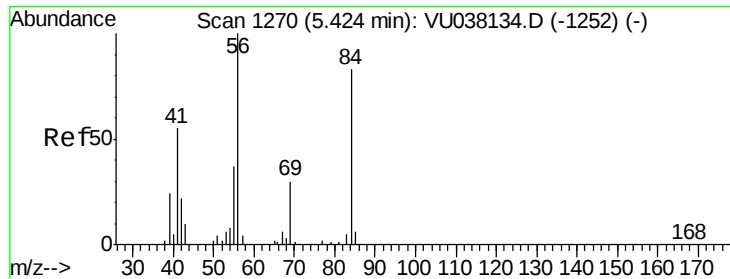
Tot Ion: 83 Resp: 176832
Ion Ratio Lower Upper
83 100
85 65.4 46.2 85.8



#29
1,1,1-Trichloroethane
Concen: 2.344 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU038145.D
Acq: 13 May 2020 15:53

Tgt Ion: 97 Resp: 95906
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 48.0 38.2 57.4

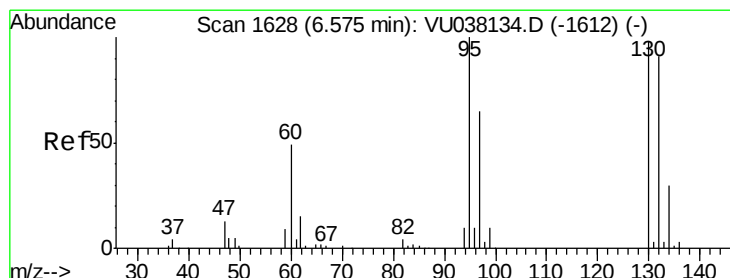
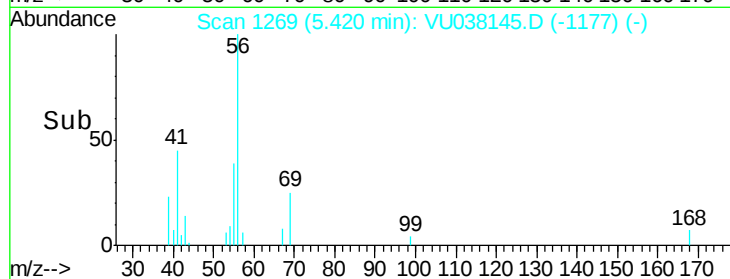
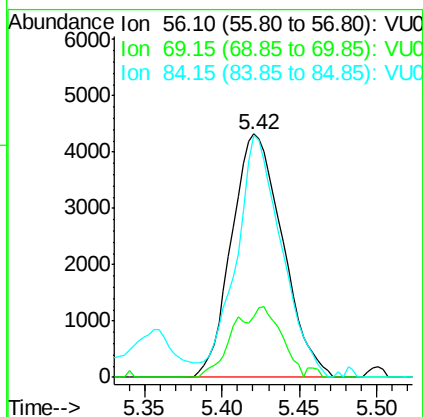
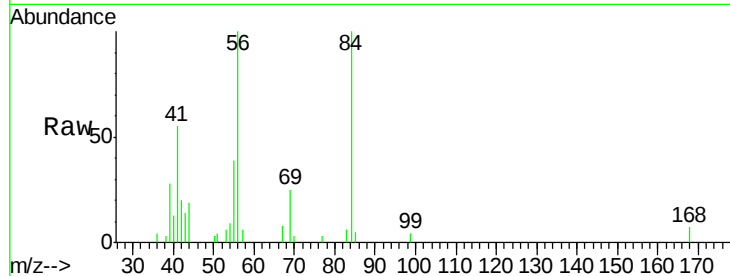




#30
Cvclohexane
Concen: 0.205 ug/L
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU038145.D
Acq: 13 May 2020 15:53

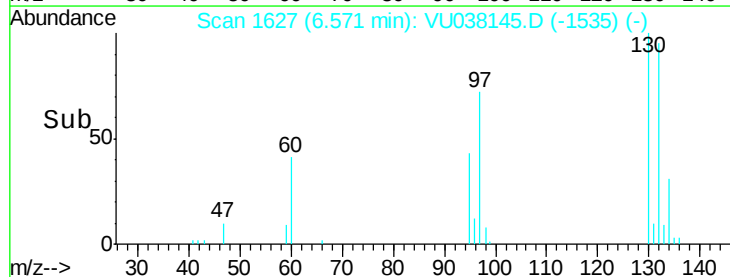
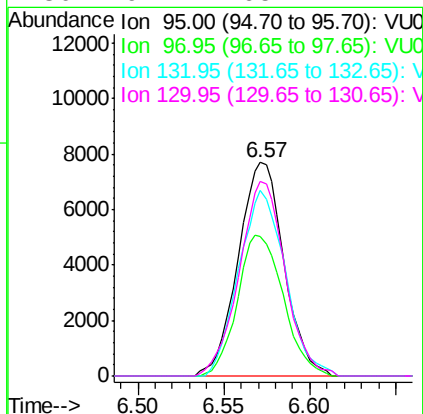
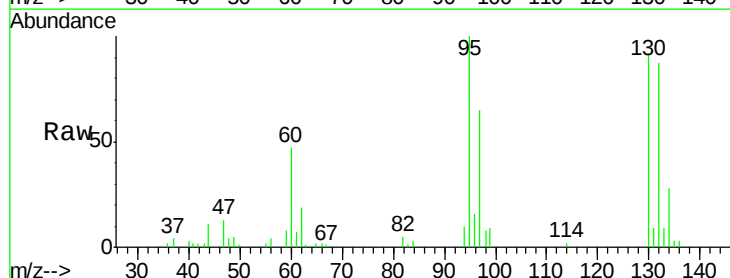
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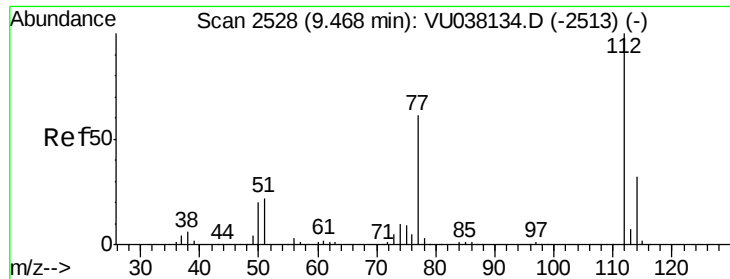
Tot Ion: 56 Resp: 9913
Ion Ratio Lower Upper
56 100
69 16.2 24.2 36.4#
84 88.6 68.5 102.7



#34
Trichloroethene
Concen: 0.497 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VU038145.D
Acq: 13 May 2020 15:53

Tgt Ion: 95 Resp: 14226
Ion Ratio Lower Upper
95 100
97 65.2 44.9 83.3
132 86.7 63.3 117.5
130 91.1 65.7 122.1

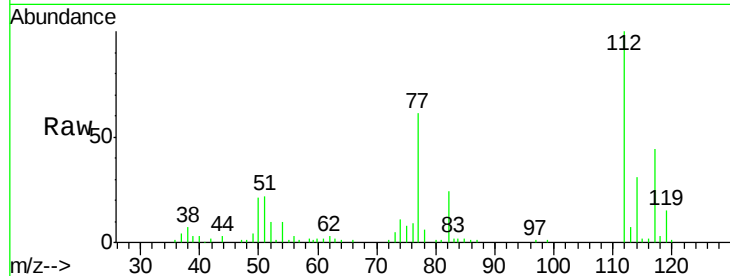




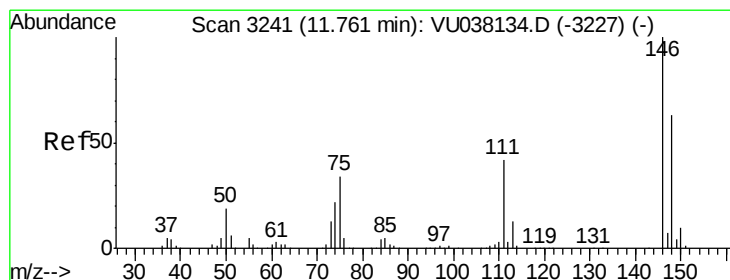
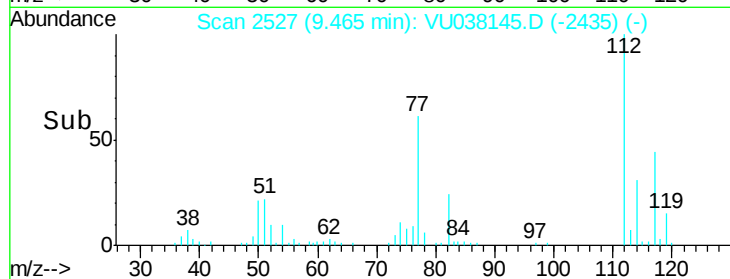
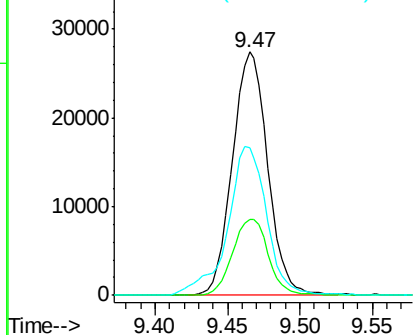
#51
Chlorobenzene
Concen: 0.621 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038145.D
Acq: 13 May 2020 15:53

Instrument :
MSVOA_U
ClientSampleId :
BFX11

Tot Ion:112 Resp: 46509
Ion Ratio Lower Upper
112 100
114 31.3 22.5 41.7
77 60.6 49.9 74.9

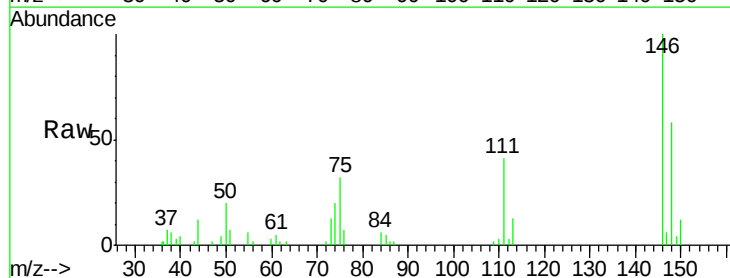


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

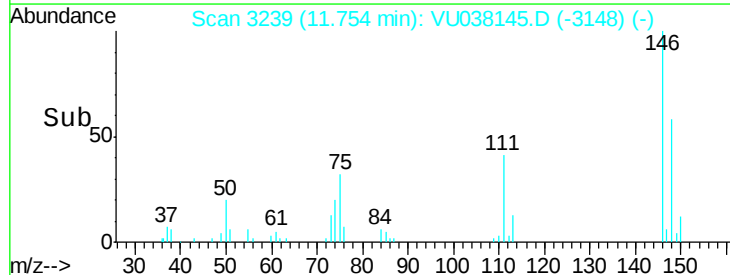
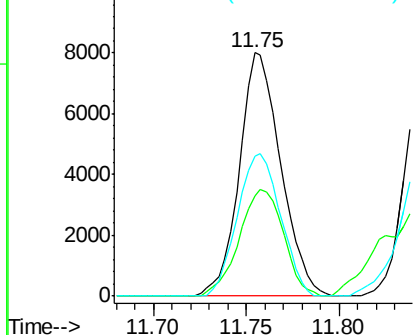


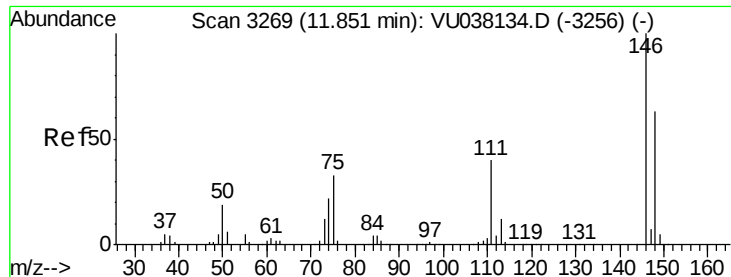
#62
1,3-Dichlorobenzene
Concen: 0.221 ug/L
RT: 11.75 min Scan# 3239
Delta R.T. -0.01 min
Lab File: VU038145.D
Acq: 13 May 2020 15:53

Tgt Ion:146 Resp: 12462
Ion Ratio Lower Upper
146 100
111 41.4 28.6 53.2
148 57.7 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 0.218 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038145.D

Acq: 13 May 2020 15:53

Instrument :

MSVOA_U

ClientSampleId :

BFX11

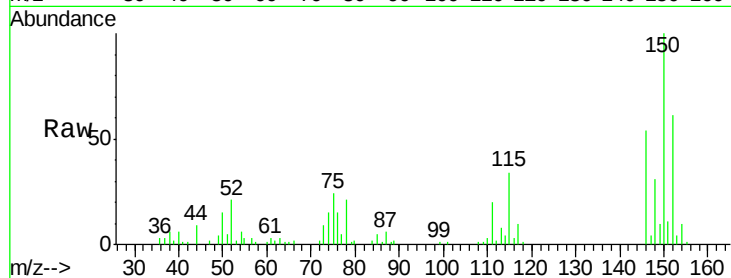
Tot Ion:146 Resp: 12452

Ion Ratio Lower Upper

146 100

111 37.3 27.2 50.6

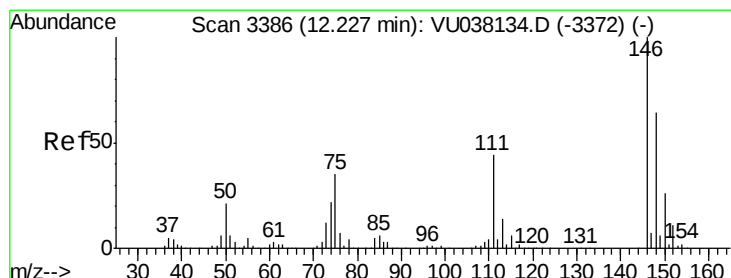
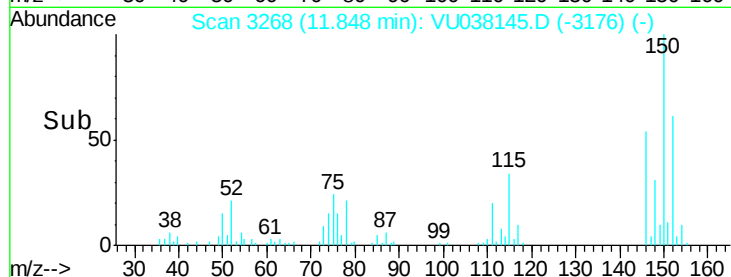
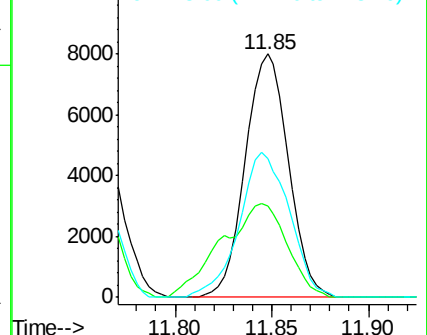
148 56.8 43.8 81.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.094 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU038145.D

Acq: 13 May 2020 15:53

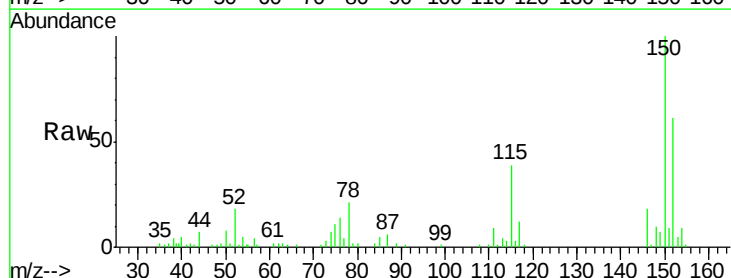
Tgt Ion:146 Resp: 5109

Ion Ratio Lower Upper

146 100

111 49.9 35.3 52.9

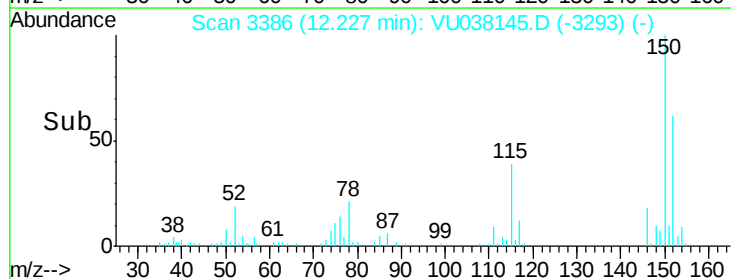
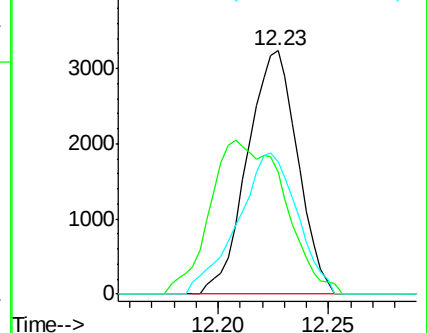
148 54.2 51.0 76.4

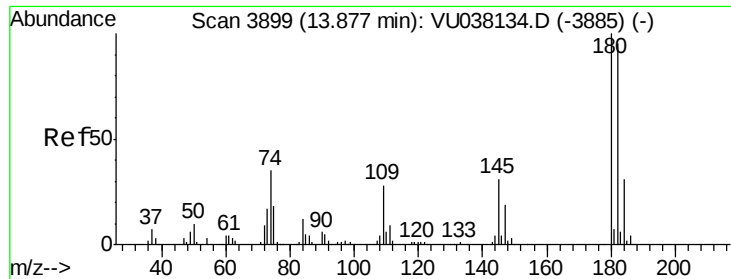


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

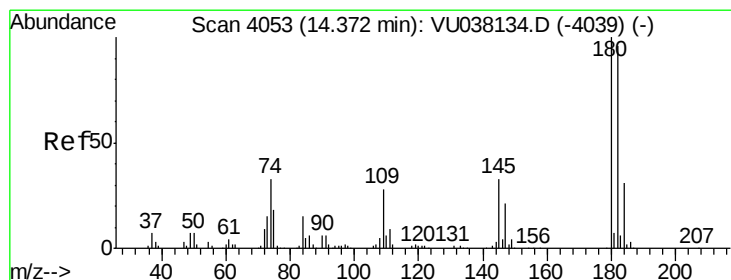
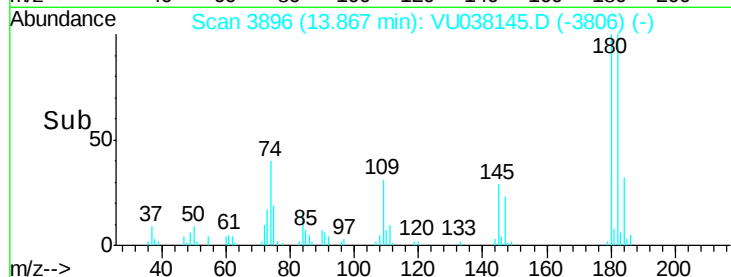
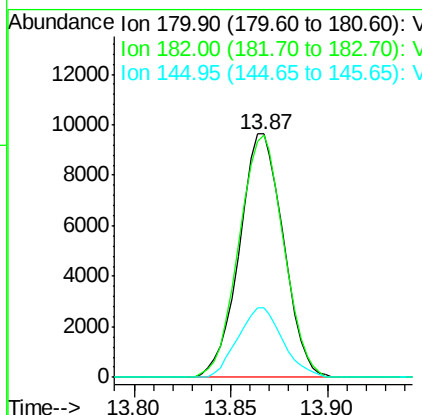
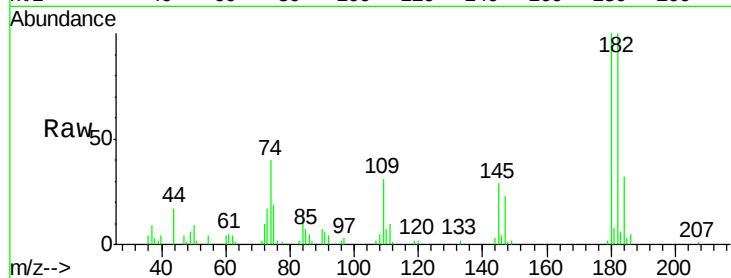




#68
 1,2,4-trichlorobenzene
 Concen: 0.411 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU038145.D
 Acq: 13 May 2020 15:53

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX11

Tot Ion:180 Resp: 15245
 Ion Ratio Lower Upper
 180 100
 182 101.1 75.0 112.6
 145 29.1 24.8 37.2



#70
 1,2,3-Trichlorobenzene
 Concen: 0.391 ug/L
 RT: 14.36 min Scan# 4049
 Delta R.T. -0.01 min
 Lab File: VU038145.D
 Acq: 13 May 2020 15:53

Tgt Ion:180 Resp: 13485
 Ion Ratio Lower Upper
 180 100
 182 87.8 76.3 114.5
 145 32.3 26.1 39.1

