

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051320\
 Data File : VU038146.D
 Acq On : 13 May 2020 16:17
 Operator : JC/MD
 Sample : L2630-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX12

Quant Time: May 14 02:24:40 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	358454	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	348296	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	168234	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	126905	3.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.40%
7) Chloroethane-d5	1.93	69	119783	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.59	63	171697	3.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.60%
20) 2-Butanone-d5	4.66	46	482085	59.59	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.18%
24) Chloroform-d	5.10	84	233512	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.74	65	144559	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.76	84	498943	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.72	67	167241	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.92	98	440108	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	8.20	79	62620	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.65	63	400309	62.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.64%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	141460	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	167120	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	228182	5.894	ug/L	99
12) 1,1-Dichloroethene	2.60	96	5231	0.210	ug/L #	1
13) Acetone	2.66	43	4464	0.880	ug/L	92
17) Methyl tert-butyl Ether	3.40	73	10540	0.152	ug/L #	1
18) trans-1,2-Dichloroethene	3.39	96	6131	0.226	ug/L	89
19) 1,1-Dichloroethane	3.91	63	173390	3.269	ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	154207	5.269	ug/L	96
25) Chloroform	5.13	83	26080	0.527	ug/L	98
27) 1,2-Dichloroethane	5.83	62	27418	0.785	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	16346	0.410	ug/L	99
30) Cyclohexane	5.42	56	12213	0.259	ug/L	95
33) Benzene	5.81	78	45346	0.407	ug/L	100
34) Trichloroethene	6.57	95	6214	0.223	ug/L	91
45) 1,1,2-Trichloroethane	8.42	97	13562	0.645	ug/L	96
51) Chlorobenzene	9.47	112	87905	1.203	ug/L	99
54) o-Xylene	10.12	106	8127	0.172	ug/L	94
62) 1,3-Dichlorobenzene	11.76	146	6865	0.125	ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051320\
Data File : VU038146.D
Acq On : 13 May 2020 16:17
Operator : JC/MD
Sample : L2630-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFX12

Quant Time: May 14 02:24:40 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

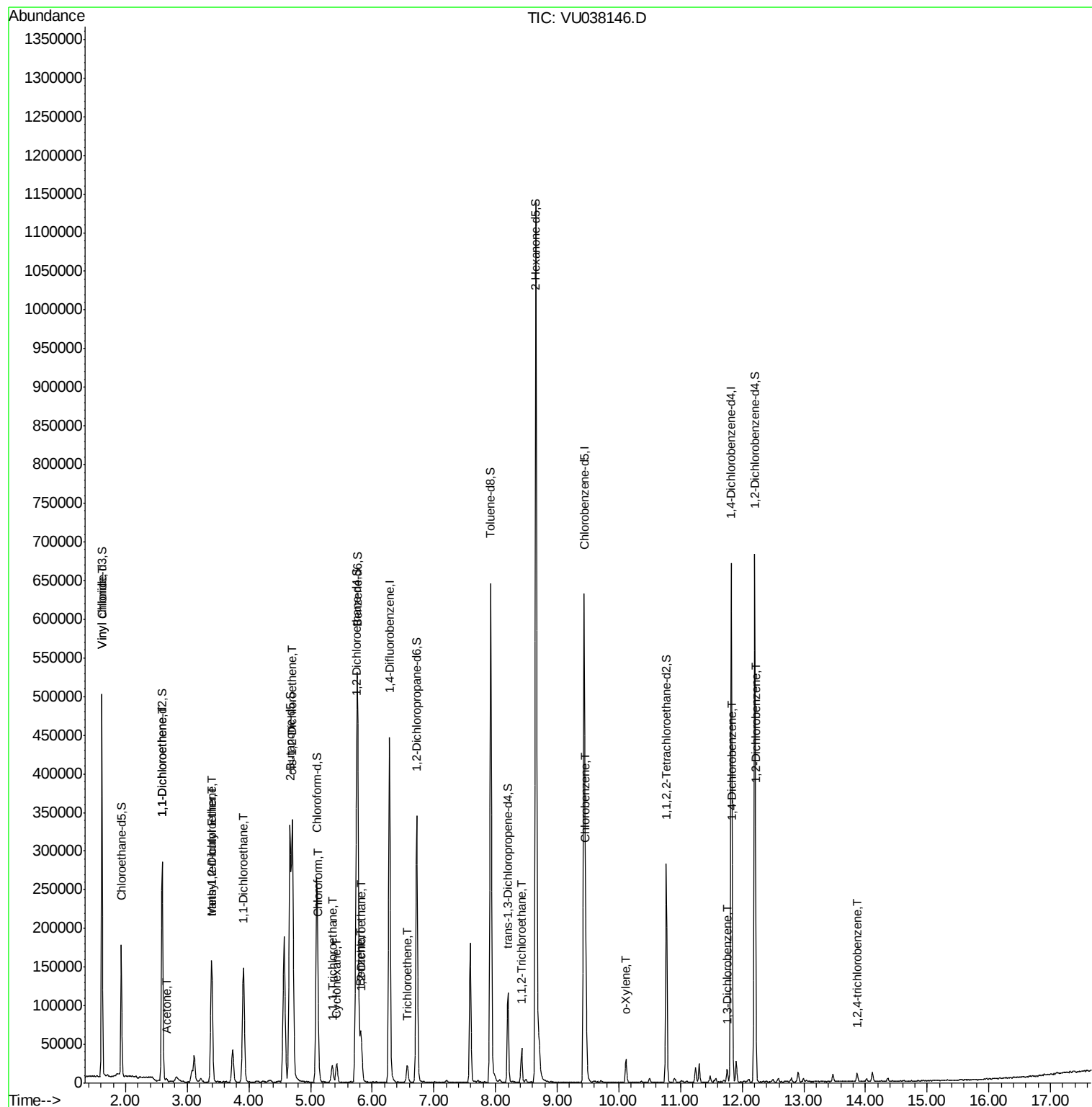
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,4-Dichlorobenzene	11.85	146	13163	0.237	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	6673	0.127	ug/L	94
68) 1,2,4-trichlorobenzene	13.86	180	3280	0.091	ug/L	92

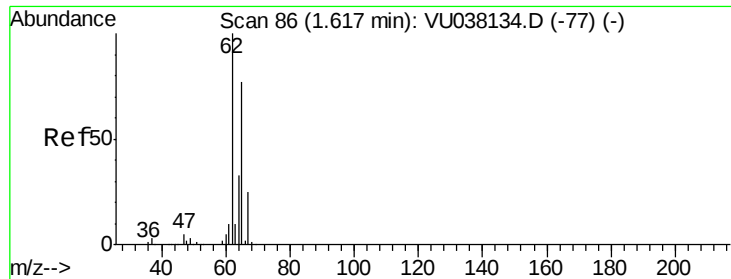
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU051320\
Data File : VU038146.D
Acq On : 13 May 2020 16:17
Operator : JC/MD
Sample : L2630-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFX12

Quant Time: May 14 02:24:40 2020
Quant Method : Z:\V0ASRV\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





#5

Vinyl chloride

Concen: 5.894 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038146.D

Acq: 13 May 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

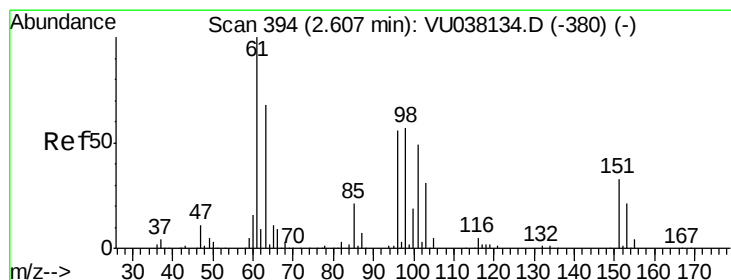
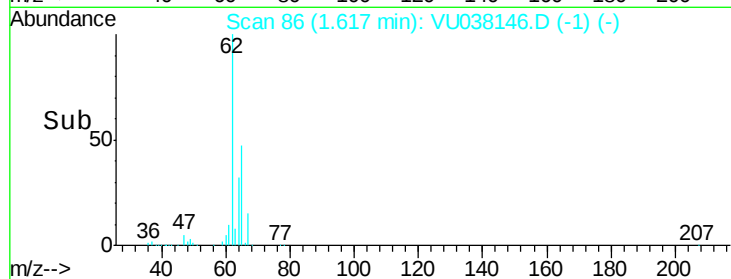
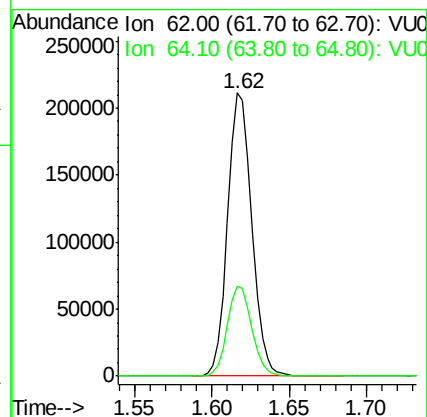
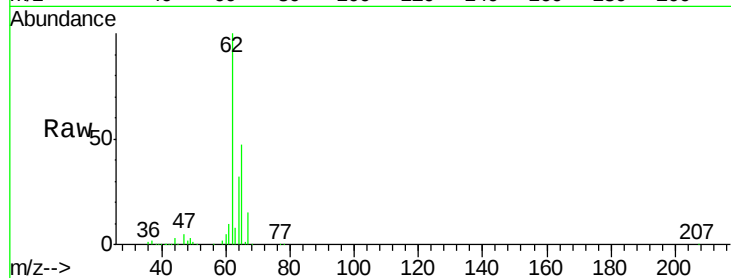
BFX12

Tot Ion: 62 Resp: 228182

Ion Ratio Lower Upper

62 100

64 31.8 22.8 42.4



#12

1,1-Dichloroethene

Concen: 0.210 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038146.D

Acq: 13 May 2020 16:17

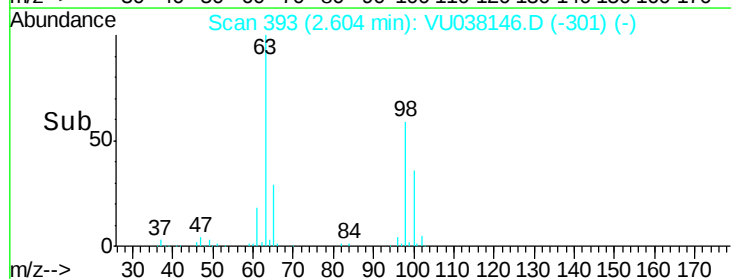
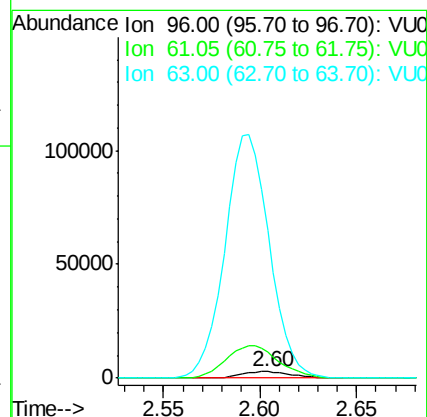
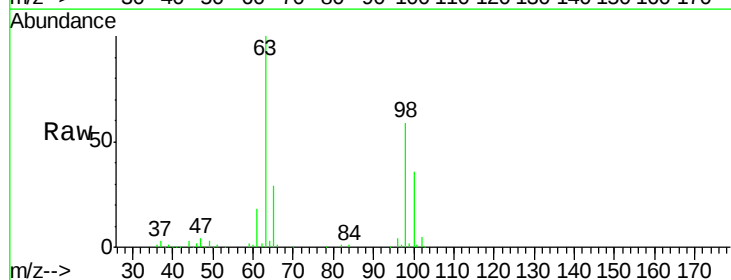
Tgt Ion: 96 Resp: 5231

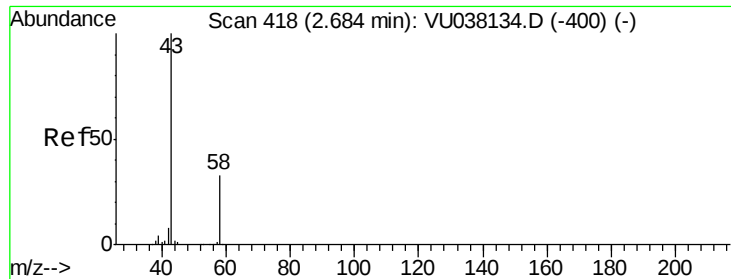
Ion Ratio Lower Upper

96 100

61 395.4 126.2 234.4#

63 2229.8 96.9 179.9#





#13

Acetone

Concen: 0.880 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.02 min

Lab File: VU038146.D

Acq: 13 May 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

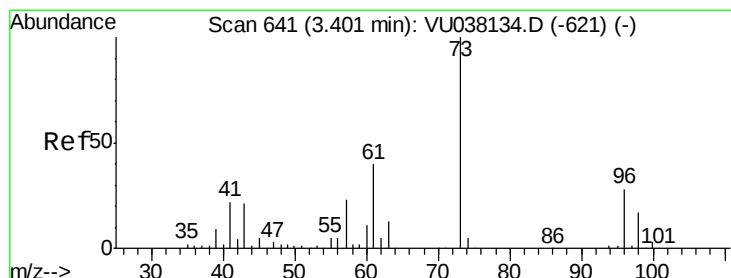
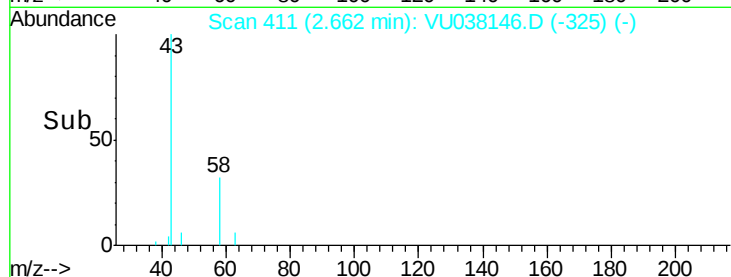
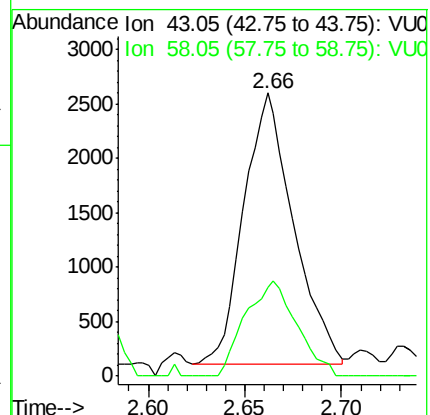
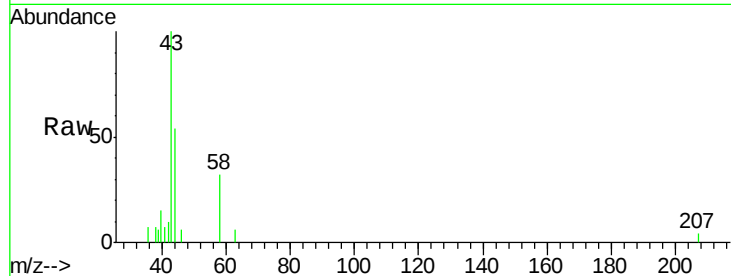
BFX12

Tot Ion: 43 Resp: 4464

Ion Ratio Lower Upper

43 100

58 36.2 0.0 63.6



#17

Methyl tert-butyl Ether

Concen: 0.152 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU038146.D

Acq: 13 May 2020 16:17

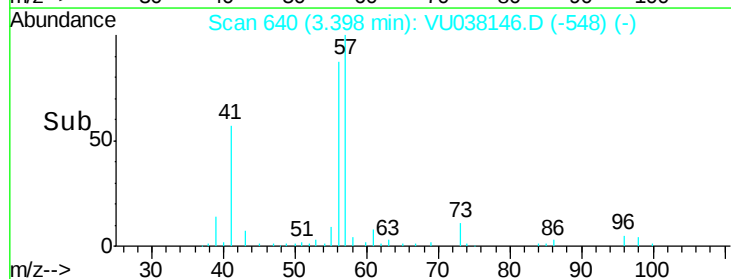
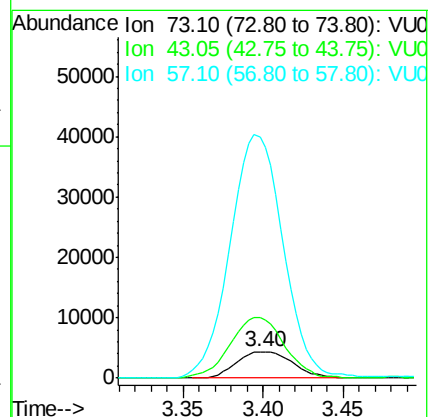
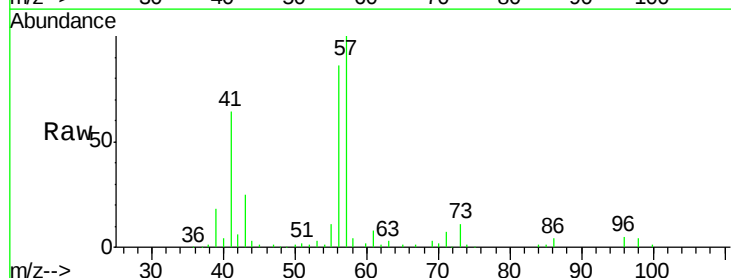
Tgt Ion: 73 Resp: 10540

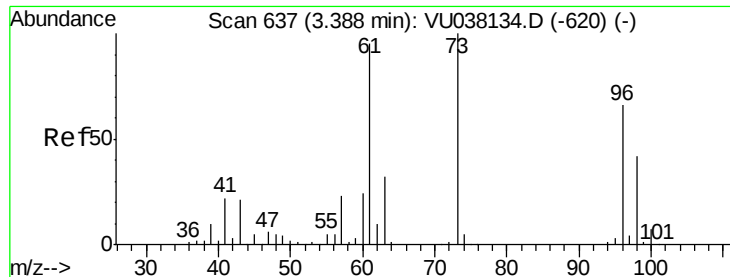
Ion Ratio Lower Upper

73 100

43 221.7 16.9 25.3#

57 871.5 18.2 27.2#





#18

trans-1,2-Dichloroethene

Concen: 0.226 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU038146.D

Acq: 13 May 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

BFX12

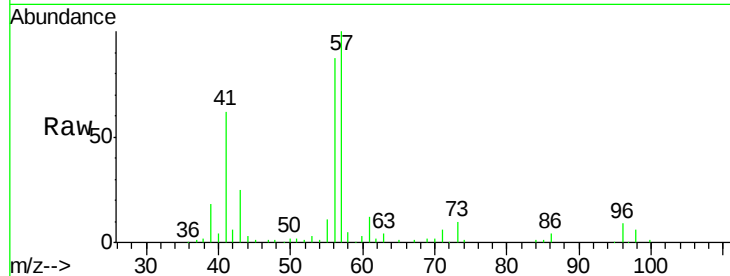
Tot Ion: 96 Resp: 6131

Ion Ratio Lower Upper

96 100

61 127.3 102.1 189.5

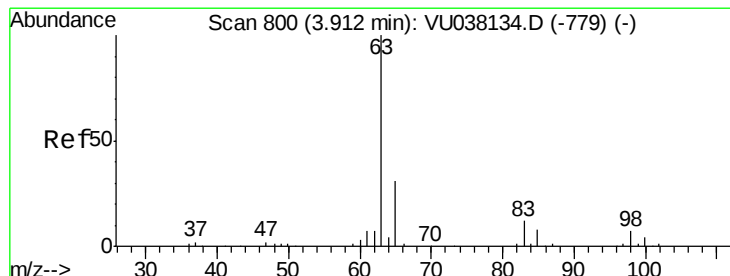
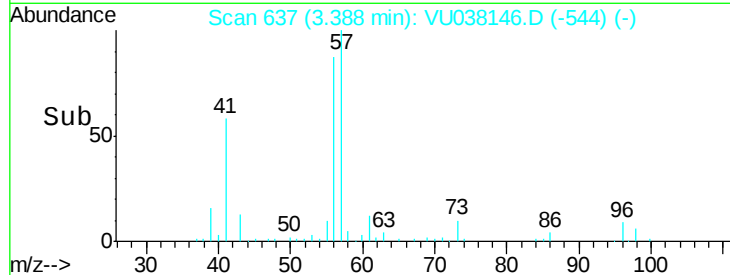
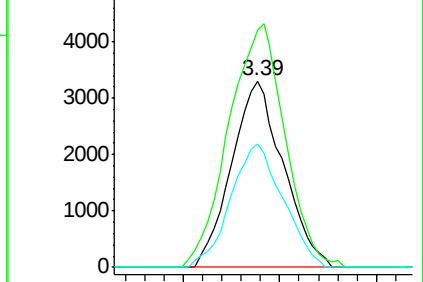
98 66.0 45.6 84.8



Abundance Ion 96.00 (95.70 to 96.70): VU038146.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU038146.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU038146.D (-544) (-)



#19

1,1-Dichloroethane

Concen: 3.269 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU038146.D

Acq: 13 May 2020 16:17

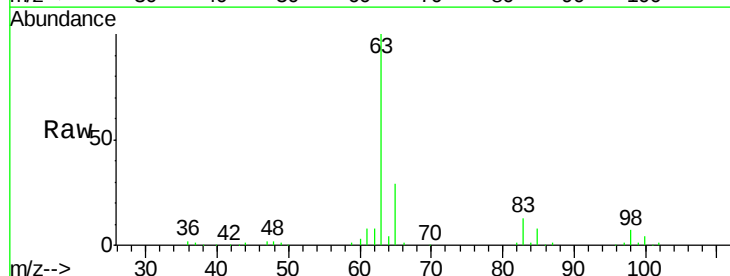
Tgt Ion: 63 Resp: 173390

Ion Ratio Lower Upper

63 100

65 29.5 22.5 41.7

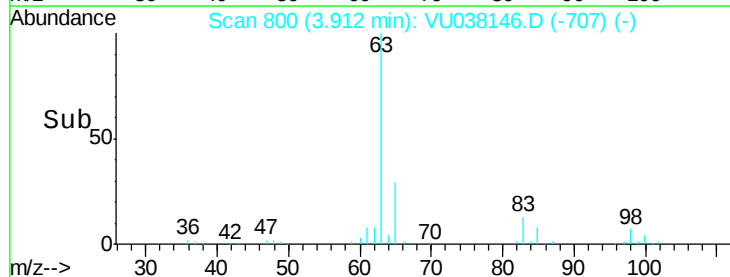
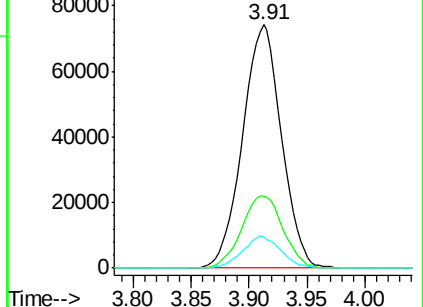
83 12.9 8.9 16.5

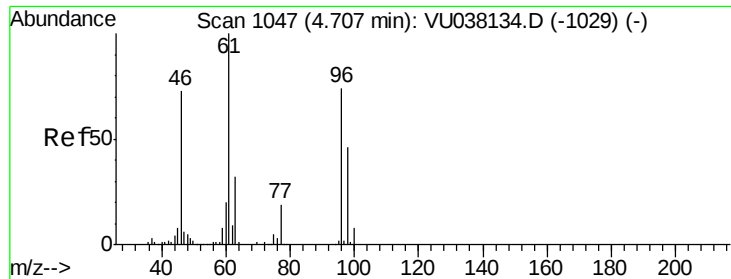


Abundance Ion 63.10 (62.80 to 63.80): VU038146.D (-707) (-)

Ion 65.10 (64.80 to 65.80): VU038146.D (-707) (-)

Ion 83.05 (82.75 to 83.75): VU038146.D (-707) (-)

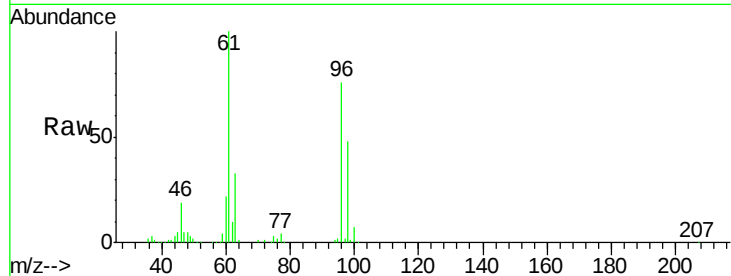




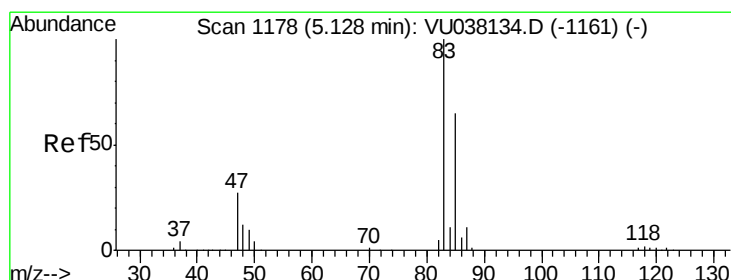
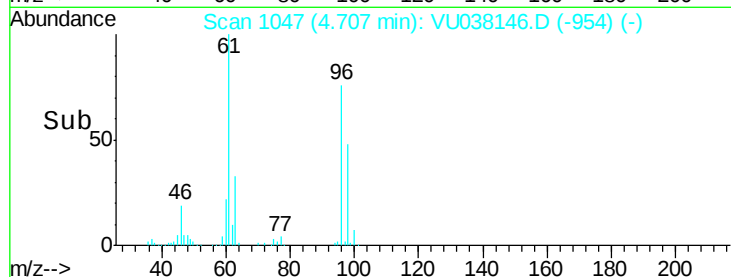
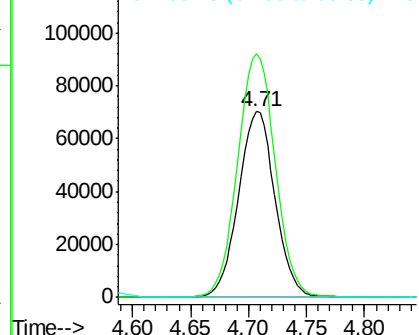
#22
 cis-1,2-Dichloroethene
 Concen: 5.269 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038146.D
 Acq: 13 May 2020 16:17

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX12

Tot Ion: 96 Resp: 154207
 Ion Ratio Lower Upper
 96 100
 61 131.3 95.3 176.9
 68 0.0 0.0 0.0

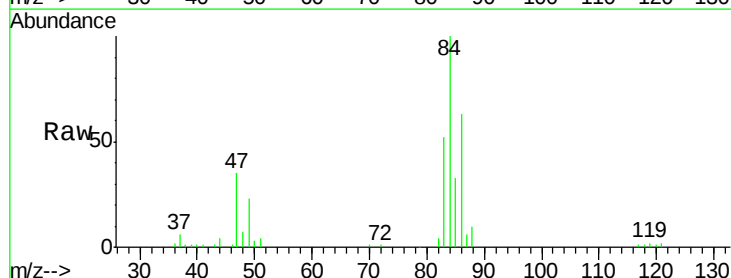


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

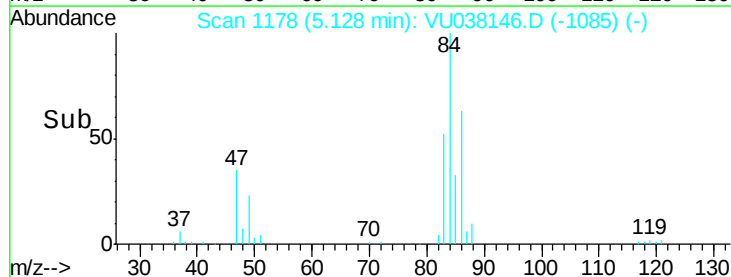
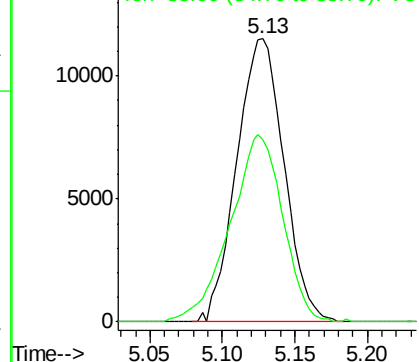


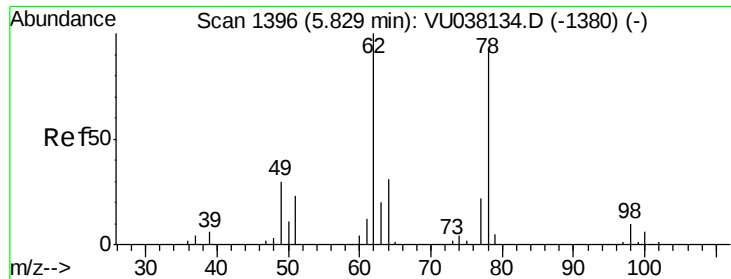
#25
 Chloroform
 Concen: 0.527 ug/L
 RT: 5.13 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VU038146.D
 Acq: 13 May 2020 16:17

Tgt Ion: 83 Resp: 26080
 Ion Ratio Lower Upper
 83 100
 85 64.4 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

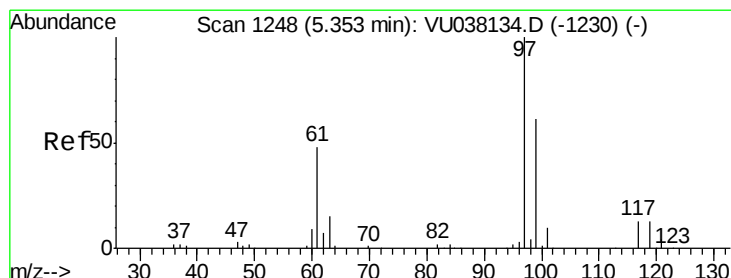
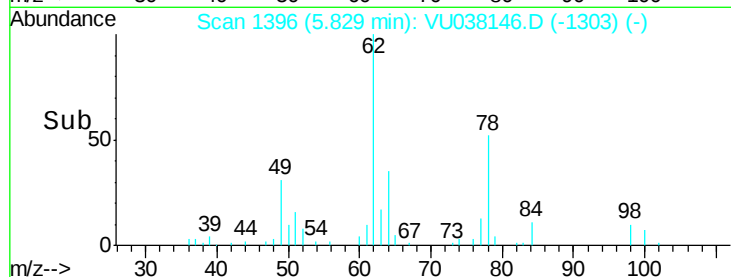
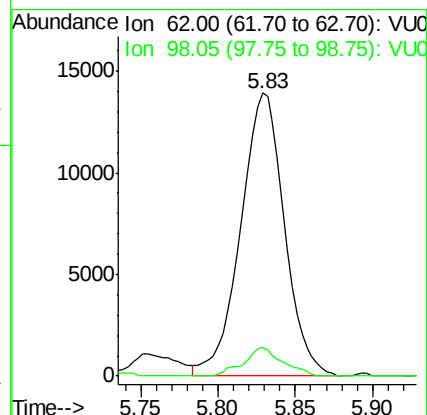
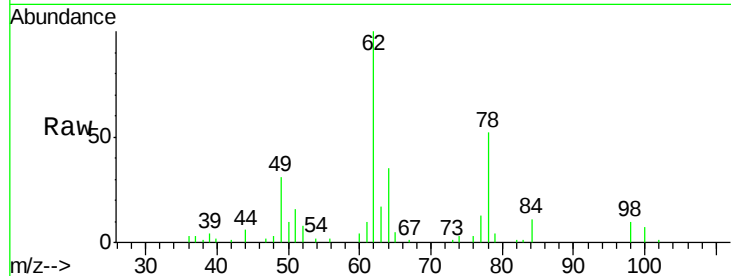




#27
 1,2-Dichloroethane
 Concen: 0.785 ug/L
 RT: 5.83 min Scan# 1396
 Delta R.T. -0.00 min
 Lab File: VU038146.D
 Acq: 13 May 2020 16:17

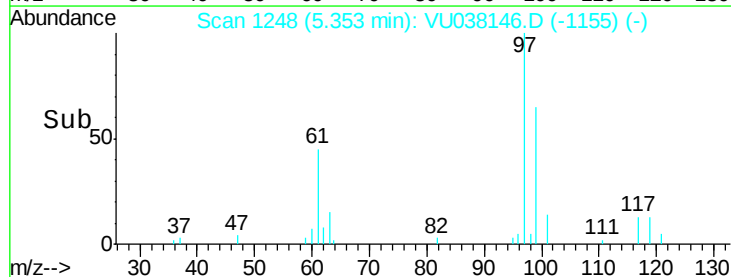
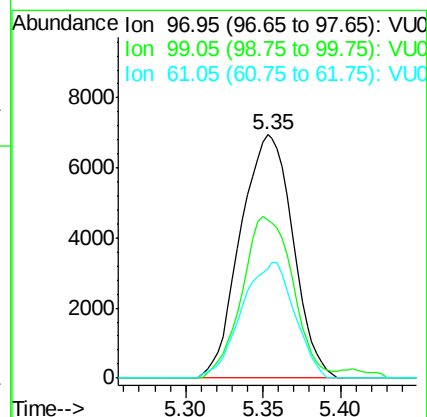
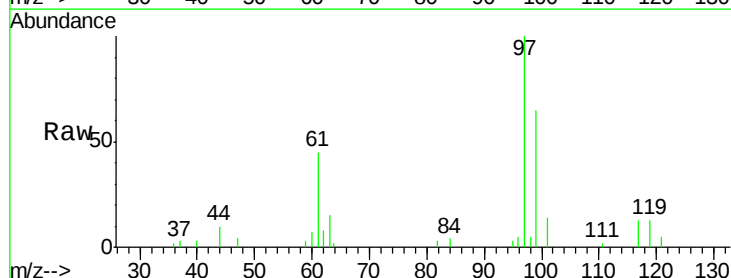
Instrument :
 MSVOA_U
 ClientSampleId :
 BFX12

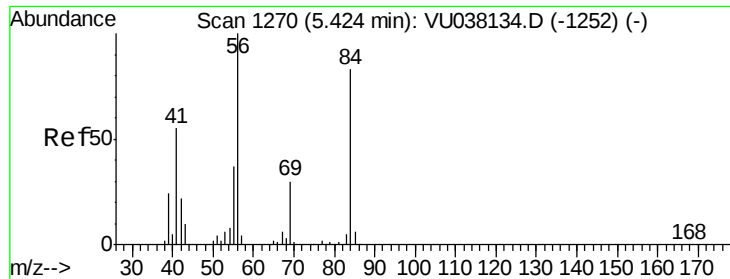
Tot Ion: 62 Resp: 27418
 Ion Ratio Lower Upper
 62 100
 98 10.2 7.8 11.8



#29
 1,1,1-Trichloroethane
 Concen: 0.410 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038146.D
 Acq: 13 May 2020 16:17

Tgt Ion: 97 Resp: 16346
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.0 76.4
 61 47.9 38.2 57.4

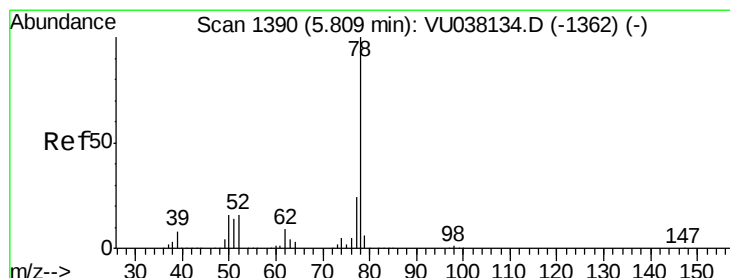
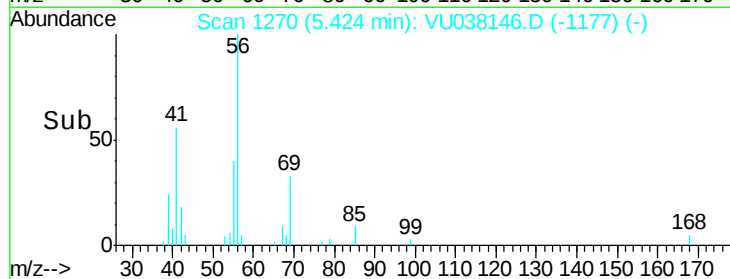
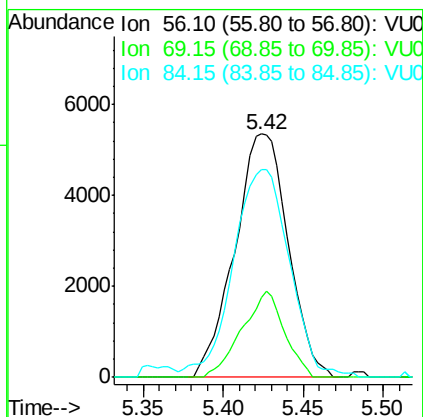
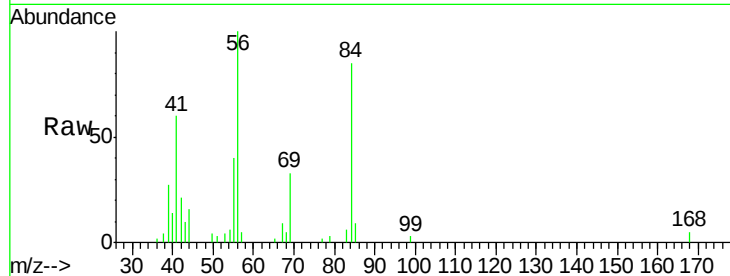




#30
Cyclohexane
Concen: 0.259 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038146.D
Acq: 13 May 2020 16:17

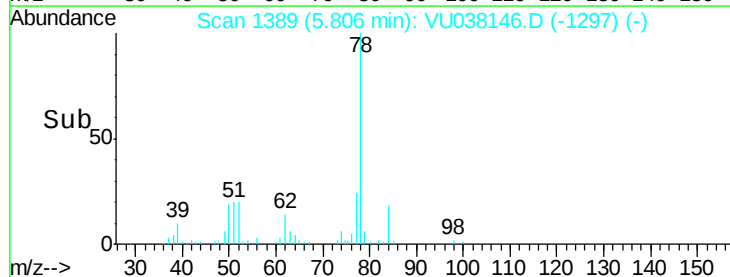
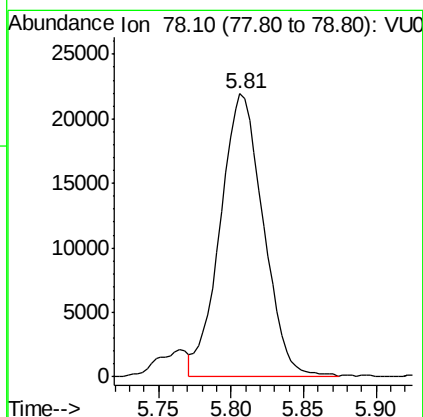
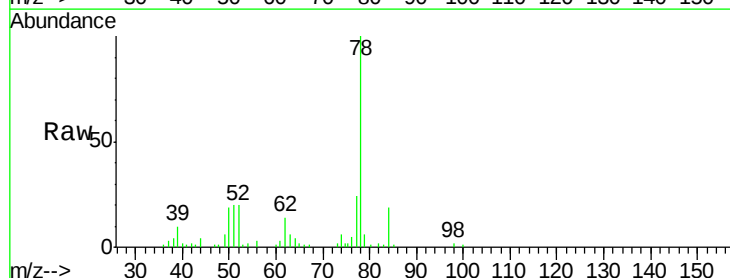
Instrument :
MSVOA_U
ClientSampleId :
BFX12

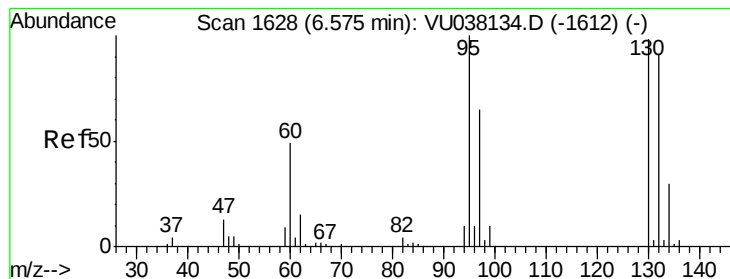
Tot Ion	56	Resp	12213
Ion Ratio	Lower	Upper	
56	100		
69	28.1	24.2	36.4
84	90.6	68.5	102.7



#33
Benzene
Concen: 0.407 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU038146.D
Acq: 13 May 2020 16:17

Tgt Ion: 78 Resp: 45346





#34

Trichloroethene

Concen: 0.223 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038146.D

Acq: 13 May 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

BFX12

Tot Ion: 95 Resp: 6214

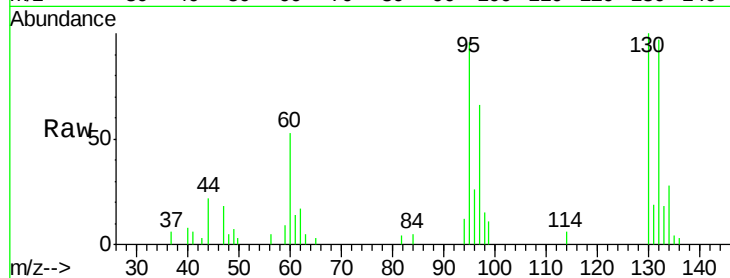
Ion Ratio Lower Upper

95 100

97 68.2 44.9 83.3

132 100.5 63.3 117.5

130 104.1 65.7 122.1

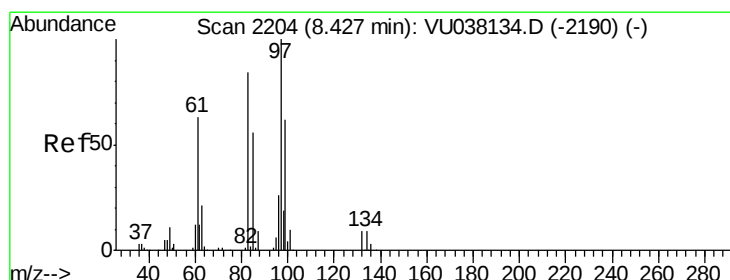
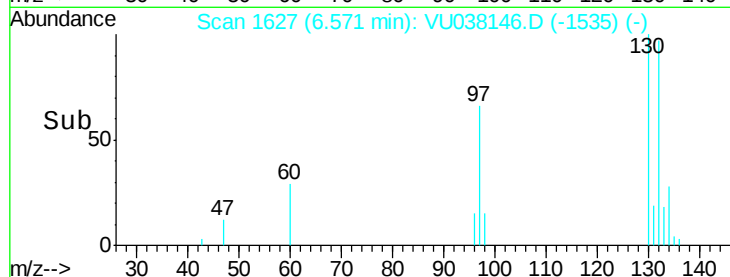
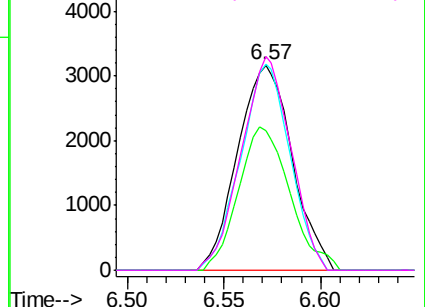


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#45

1,1,2-Trichloroethane

Concen: 0.645 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU038146.D

Acq: 13 May 2020 16:17

Tgt Ion: 97 Resp: 13562

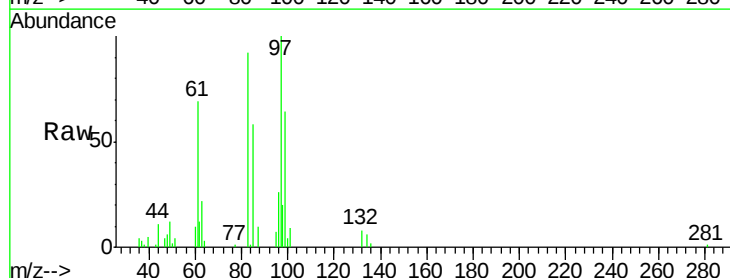
Ion Ratio Lower Upper

97 100

99 64.0 44.0 81.6

83 91.7 59.6 110.8

85 57.8 41.3 76.7

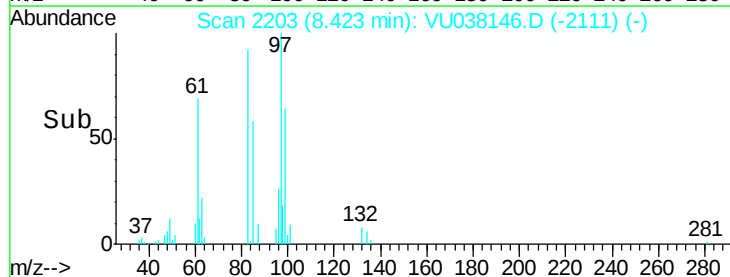
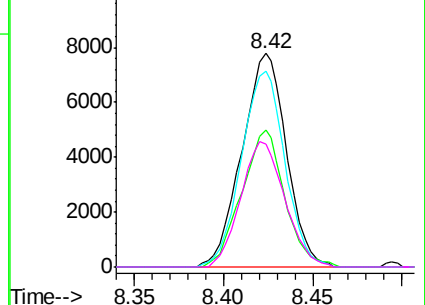


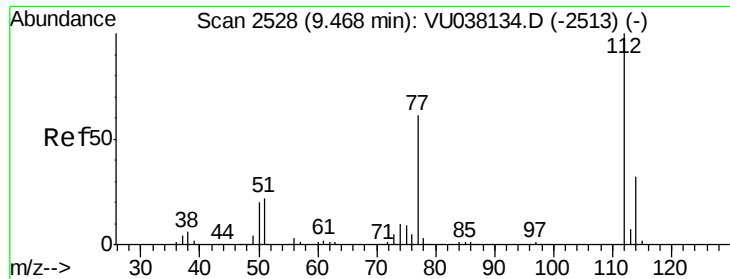
Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0





#51

Chlorobenzene

Concen: 1.203 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038146.D

Acq: 13 May 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

BFX12

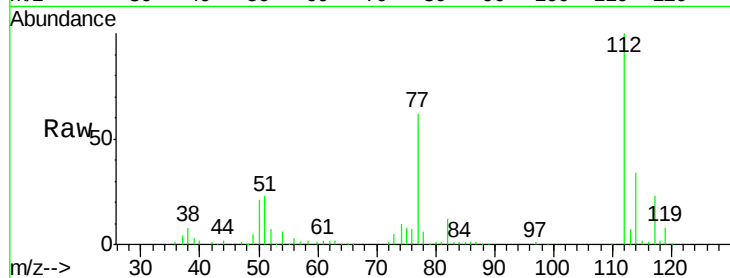
Tot Ion:112 Resp: 87905

Ion Ratio Lower Upper

112 100

114 33.6 22.5 41.7

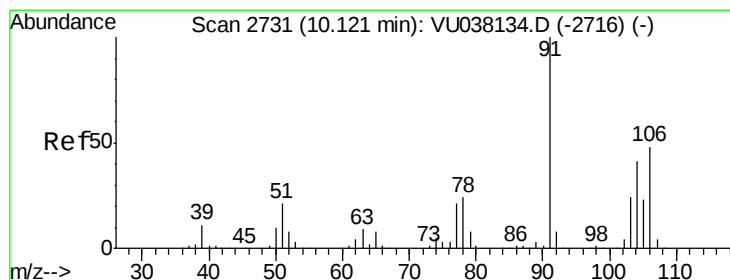
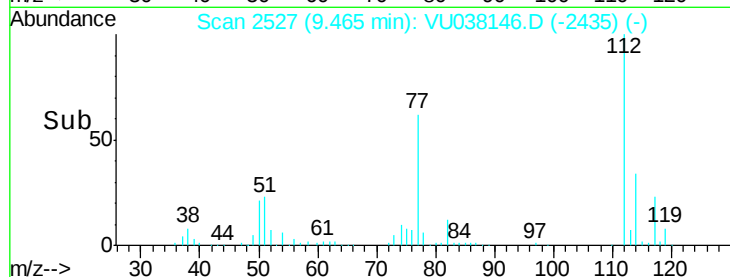
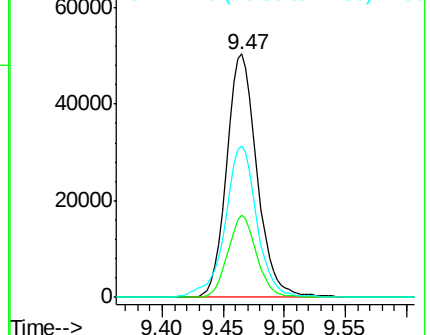
77 61.9 49.9 74.9



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): VU



#54

o-Xylene

Concen: 0.172 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU038146.D

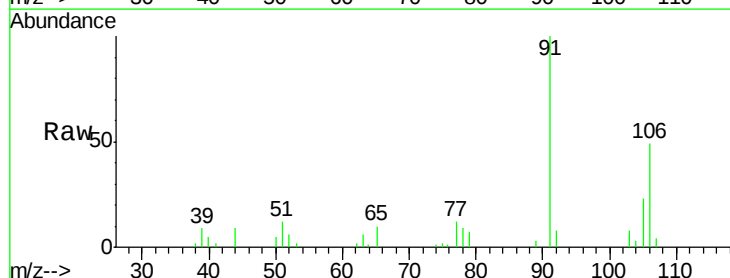
Acq: 13 May 2020 16:17

Tgt Ion:106 Resp: 8127

Ion Ratio Lower Upper

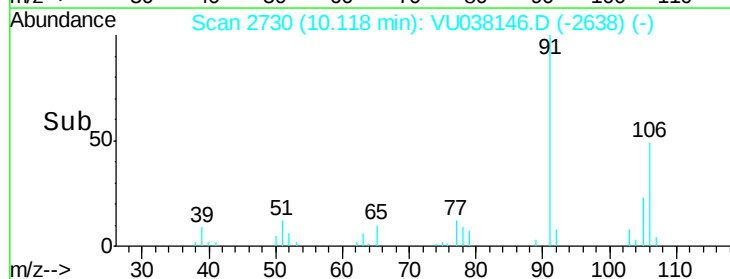
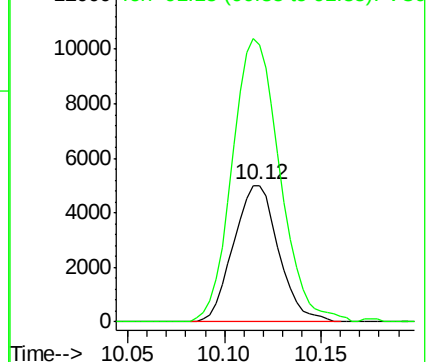
106 100

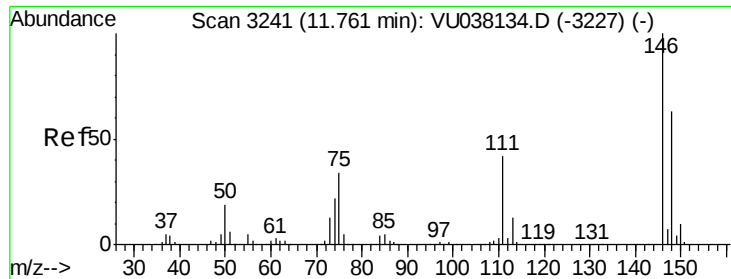
91 202.3 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU

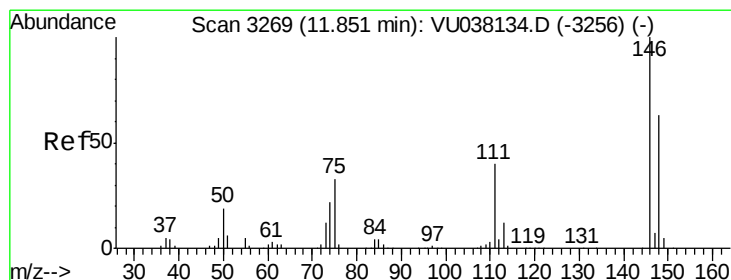
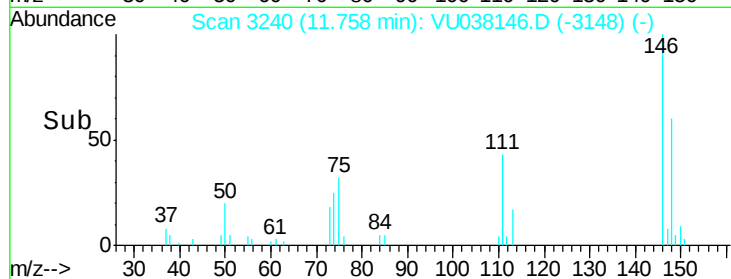
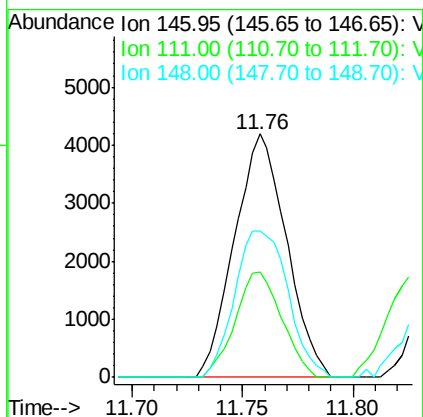
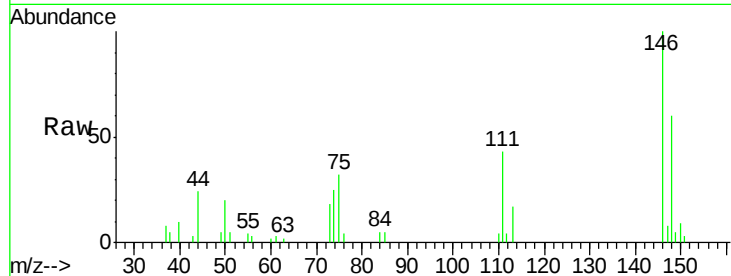




#62
 1,3-Dichlorobenzene
 Concen: 0.125 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038146.D
 Acq: 13 May 2020 16:17

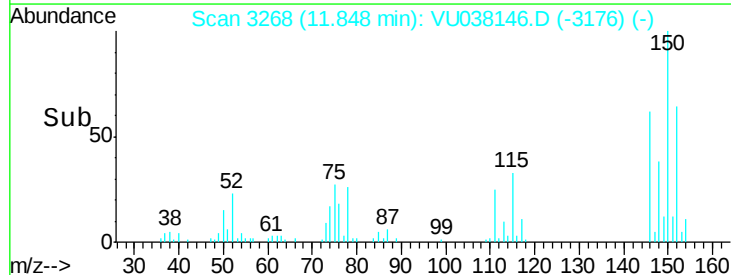
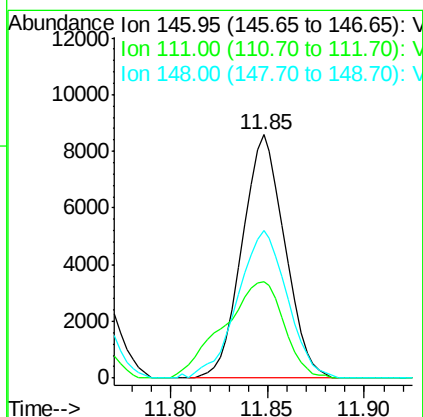
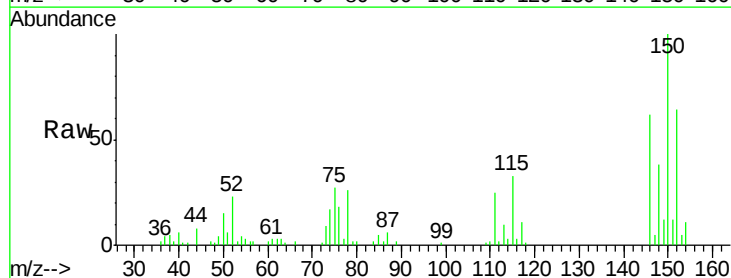
Instrument :
 MSVOA_U
 ClientSampled :
 BFX12

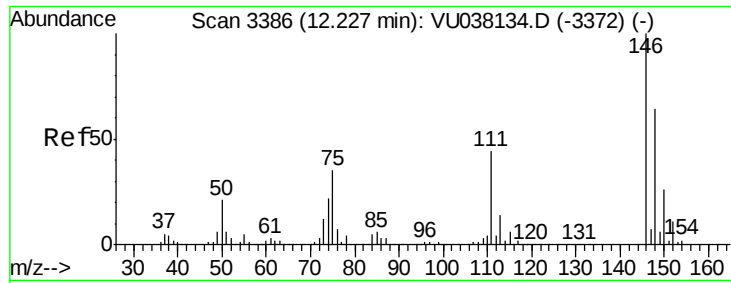
Tot Ion:146 Resp: 6865
 Ion Ratio Lower Upper
 146 100
 111 43.1 28.6 53.2
 148 60.0 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 0.237 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038146.D
 Acq: 13 May 2020 16:17

Tgt Ion:146 Resp: 13163
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.2 50.6
 148 60.5 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 0.127 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU038146.D

Acq: 13 May 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

BFX12

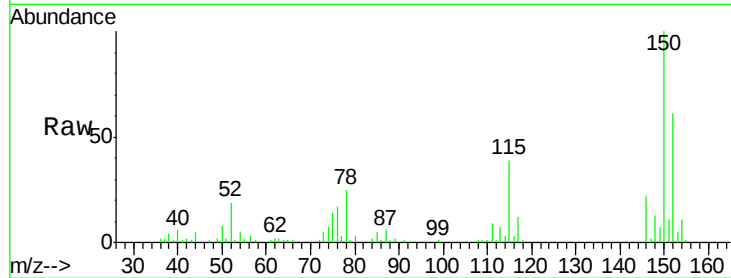
Tot Ion:146 Resp: 6673

Ion Ratio Lower Upper

146 100

111 41.6 35.3 52.9

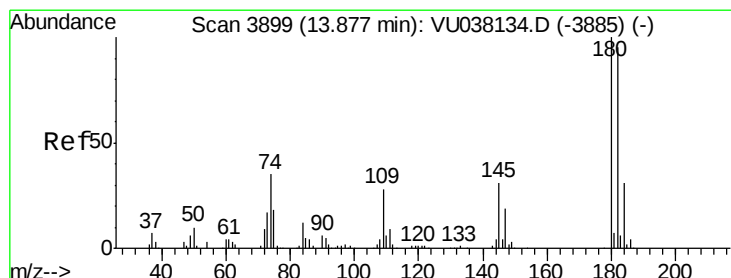
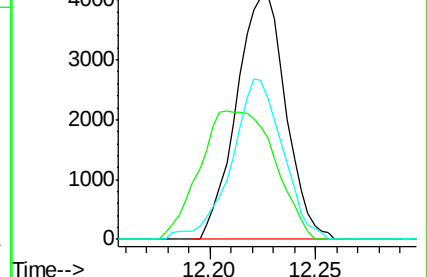
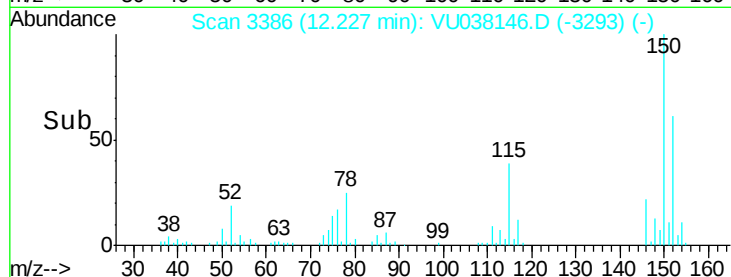
148 57.9 51.0 76.4



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: 0.091 ug/L

RT: 13.86 min Scan# 3894

Delta R.T. -0.02 min

Lab File: VU038146.D

Acq: 13 May 2020 16:17

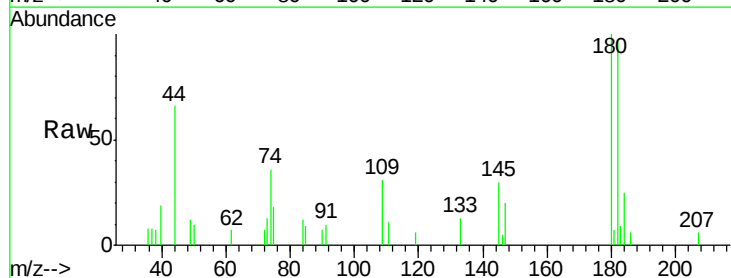
Tgt Ion:180 Resp: 3280

Ion Ratio Lower Upper

180 100

182 103.4 75.0 112.6

145 32.6 24.8 37.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

