

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051420\
 Data File : VU038161.D
 Acq On : 14 May 2020 12:05
 Operator : JC/MD
 Sample : L2630-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX11

Quant Time: May 15 01:36:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 01:05:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	438166	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	422197	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	201831	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	95364	2.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	47.60%
7) Chloroethane-d5	1.93	69	92197	2.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	53.20%#
11) 1,1-Dichloroethene-d2	2.59	63	130132	1.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	38.80%#
20) 2-Butanone-d5	4.67	46	346726	35.06	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	70.12%
24) Chloroform-d	5.10	84	189782	3.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	62.40%#
26) 1,2-Dichloroethane-d4	5.74	65	109150	3.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	62.60%#
32) Benzene-d6	5.76	84	381288	3.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	60.20%#
36) 1,2-Dichloropropane-d6	6.72	67	124950	3.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	61.20%
41) Toluene-d8	7.92	98	331308	2.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	58.20%#
43) trans-1,3-Dichloropropene-	8.20	79	44739	2.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	54.80%#
46) 2-Hexanone-d5	8.66	63	280353	36.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.60%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	102405	3.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	63.60%#
64) 1,2-Dichlorobenzene-d4	12.21	152	124915	3.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	63.60%#

Target Compounds

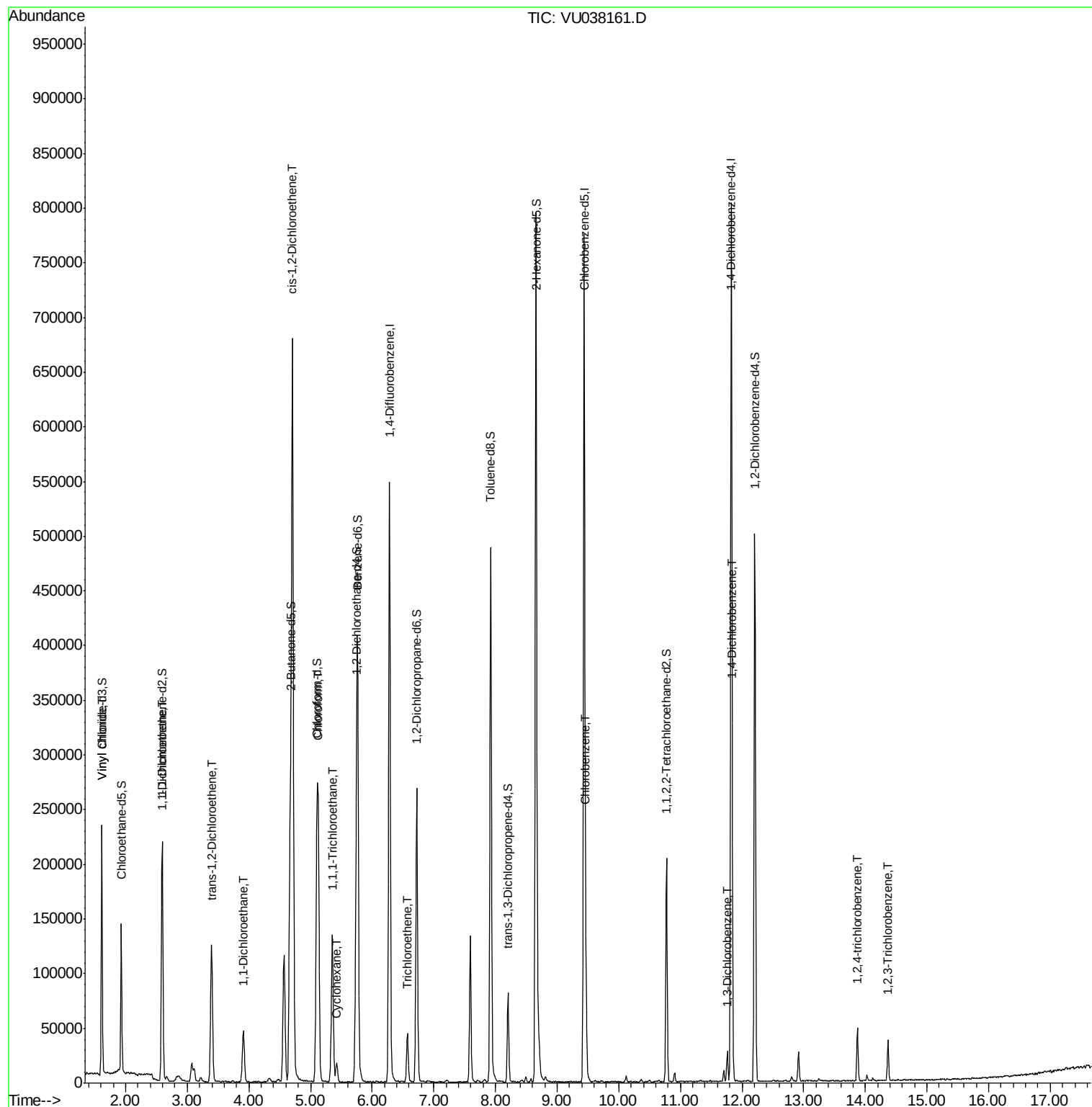
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	72308	1.528	ug/L	100
12) 1,1-Dichloroethene	2.61	96	11444	0.376	ug/L #	1
18) trans-1,2-Dichloroethene	3.39	96	3953	0.119	ug/L	80
19) 1,1-Dichloroethane	3.91	63	55448	0.855	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	326710	9.133	ug/L	99
25) Chloroform	5.13	83	174750	2.890	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	92783	1.918	ug/L	98
30) Cyclohexane	5.43	56	8079	0.141	ug/L	92
34) Trichloroethene	6.57	95	13694	0.405	ug/L	97
51) Chlorobenzene	9.47	112	42942	0.485	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	11523	0.175	ug/L	94
63) 1,4-Dichlorobenzene	11.85	146	10036	0.151	ug/L	93
68) 1,2,4-trichlorobenzene	13.87	180	13867	0.321	ug/L	98
70) 1,2,3-Trichlorobenzene	14.37	180	11431	0.285	ug/L	98

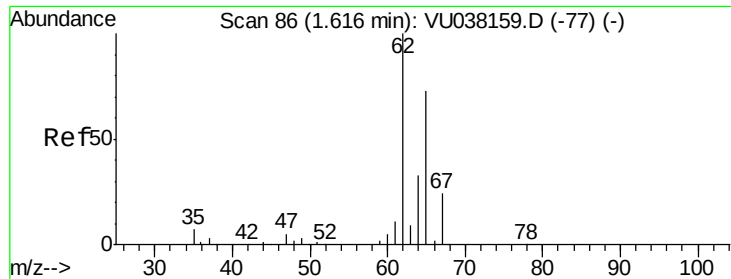
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 15 01:05:40 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.528 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038161.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

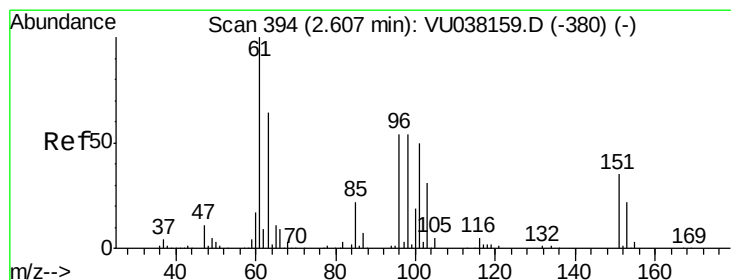
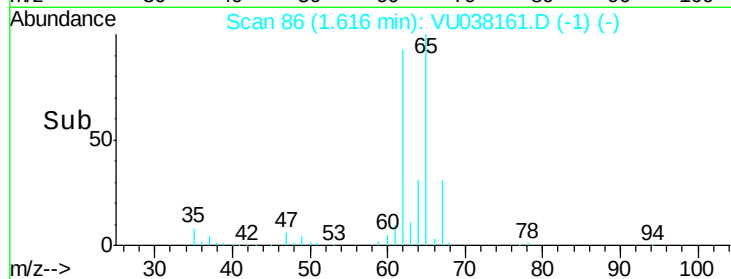
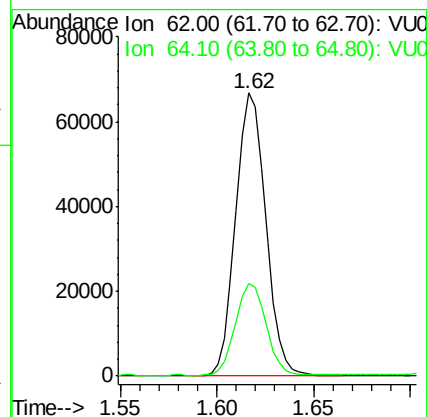
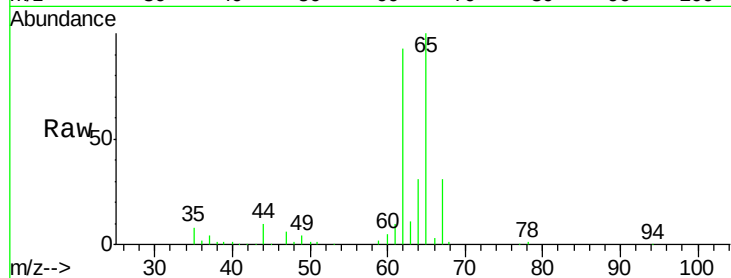
BFX11

Tot Ion: 62 Resp: 72308

Ion Ratio Lower Upper

62 100

64 32.9 22.8 42.4



#12

1,1-Dichloroethene

Concen: 0.376 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038161.D

Acq: 14 May 2020 12:05

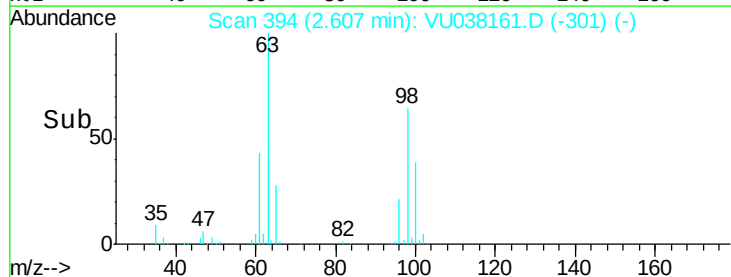
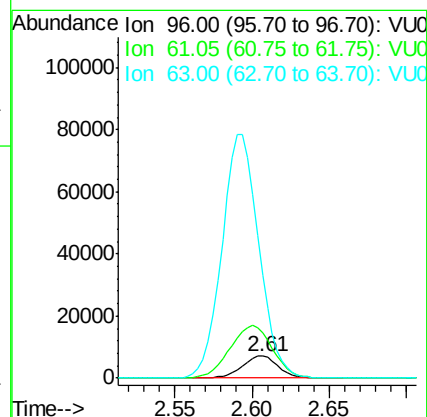
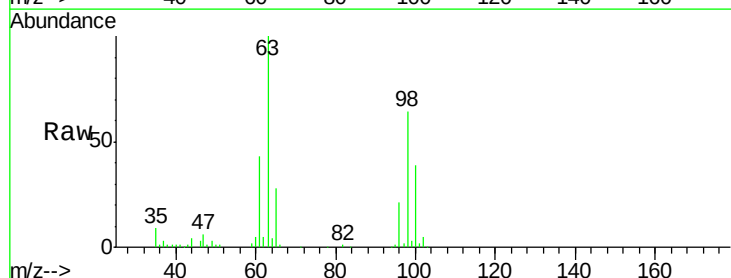
Tgt Ion: 96 Resp: 11444

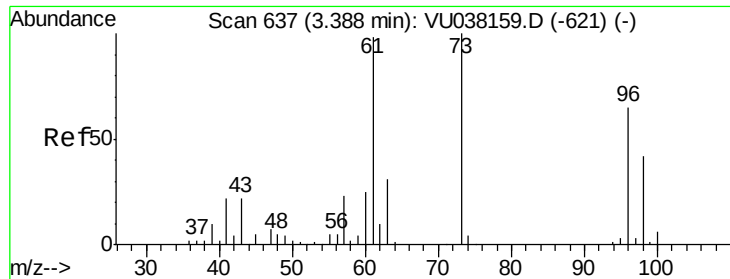
Ion Ratio Lower Upper

96 100

61 203.5 126.2 234.4

63 468.5 96.9 179.9#





#18

trans-1,2-Dichloroethene

Concen: 0.119 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU038161.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

BFX11

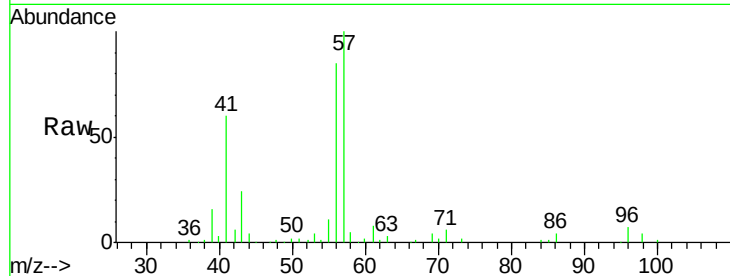
Tot Ion: 96 Resp: 3953

Ion Ratio Lower Upper

96 100

61 116.7 102.1 189.5

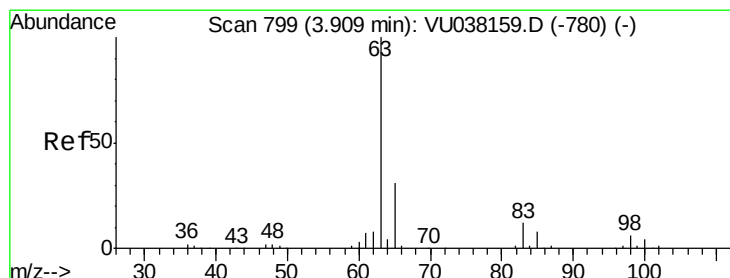
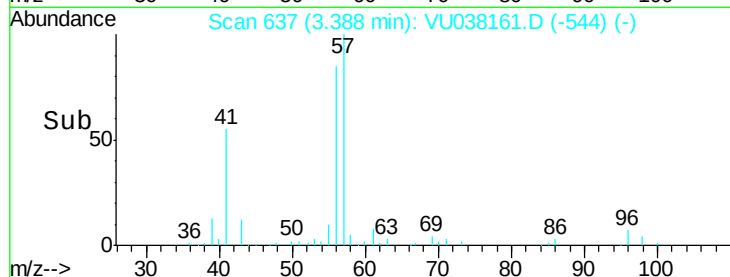
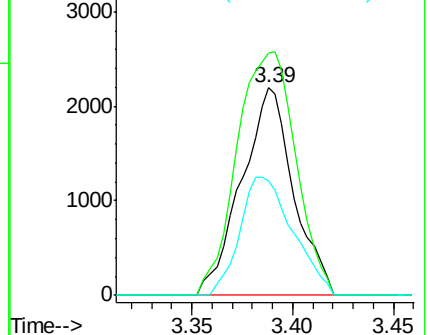
98 54.9 45.6 84.8



Abundance Ion 96.00 (95.70 to 96.70): VU038161.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU038161.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU038161.D (-544) (-)



#19

1,1-Dichloroethane

Concen: 0.855 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038161.D

Acq: 14 May 2020 12:05

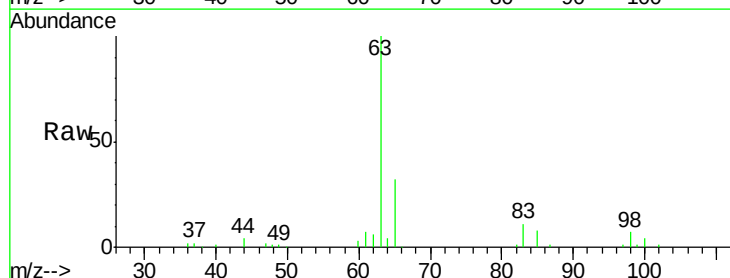
Tgt Ion: 63 Resp: 55448

Ion Ratio Lower Upper

63 100

65 31.7 22.5 41.7

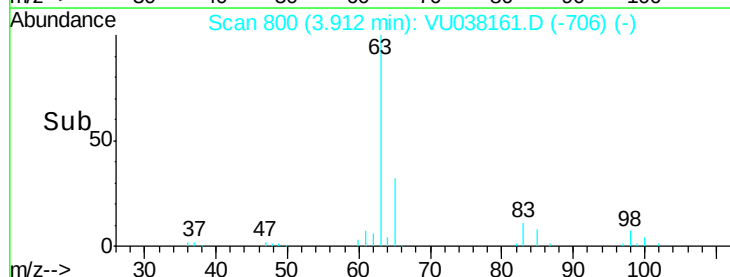
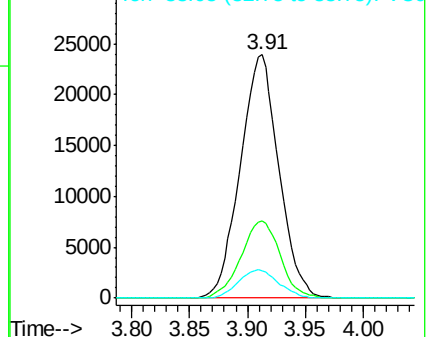
83 11.3 8.9 16.5

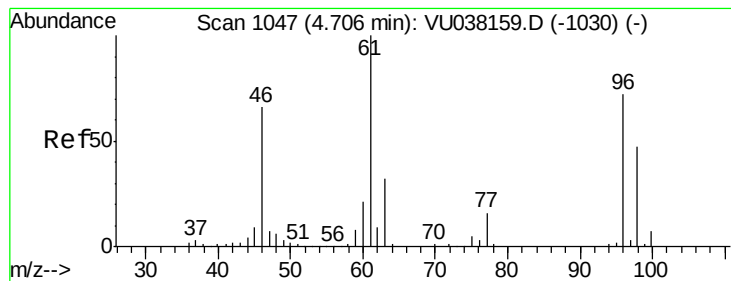


Abundance Ion 63.10 (62.80 to 63.80): VU038161.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038161.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038161.D (-706) (-)





#22

cis-1,2-Dichloroethene

Concen: 9.133 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038161.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

BFX11

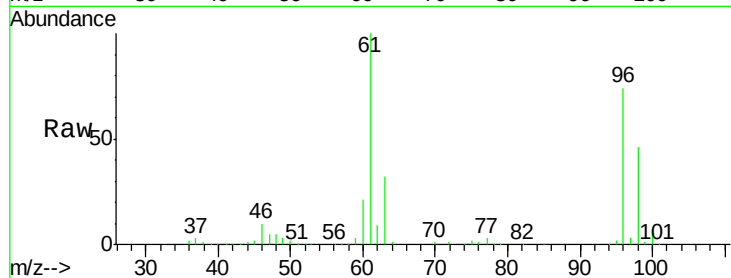
Tot Ion: 96 Resp: 326710

Ion Ratio Lower Upper

96 100

61 134.4 95.3 176.9

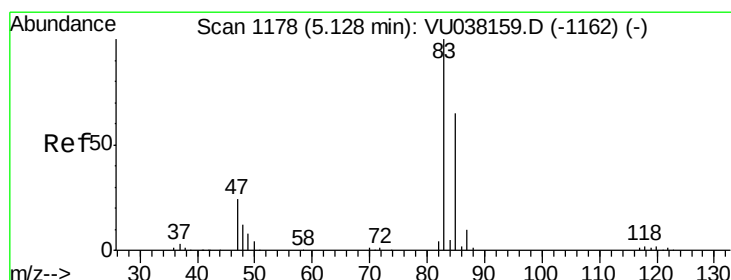
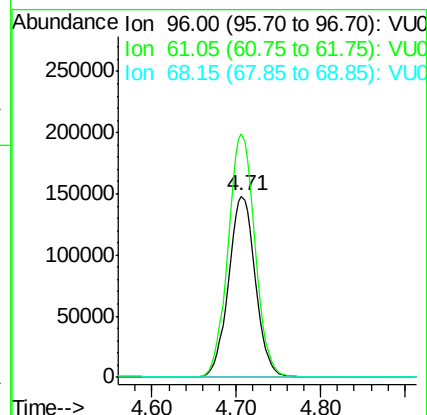
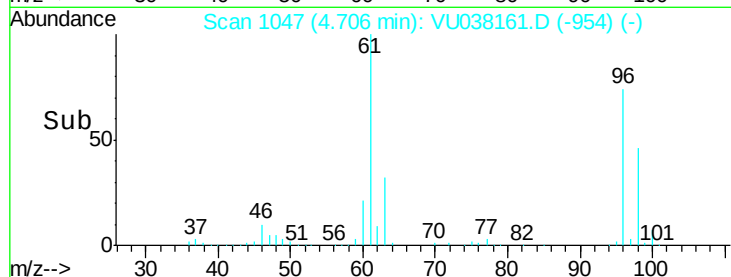
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038161.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038161.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038161.D (-954) (-)



#25

Chloroform

Concen: 2.890 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU038161.D

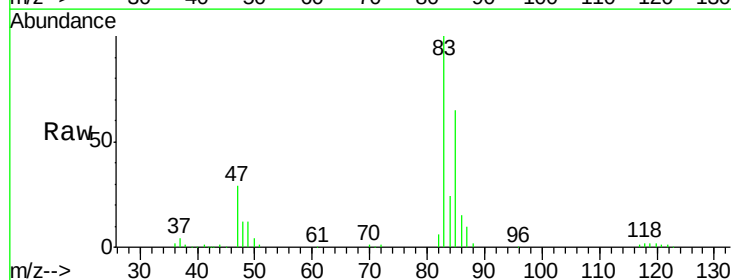
Acq: 14 May 2020 12:05

Tgt Ion: 83 Resp: 174750

Ion Ratio Lower Upper

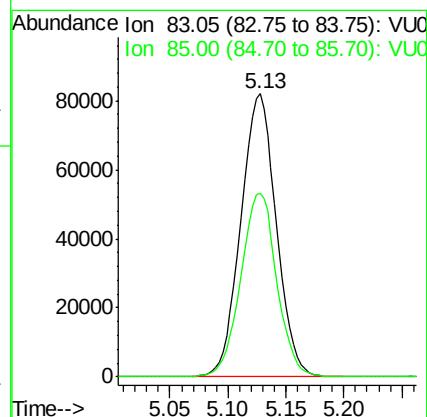
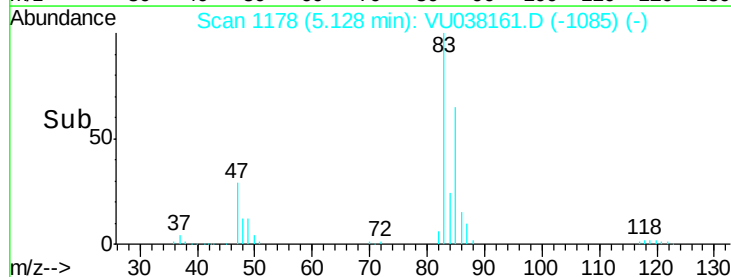
83 100

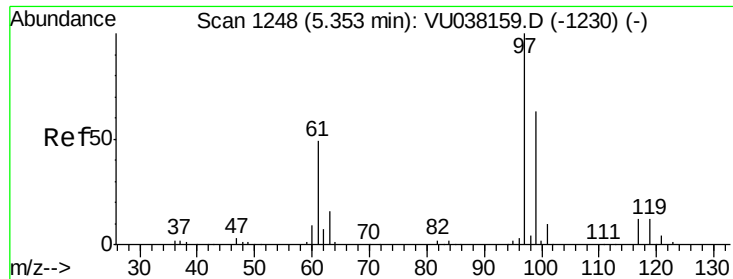
85 65.0 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VU038161.D (-1085) (-)

Ion 85.00 (84.70 to 85.70): VU038161.D (-1085) (-)

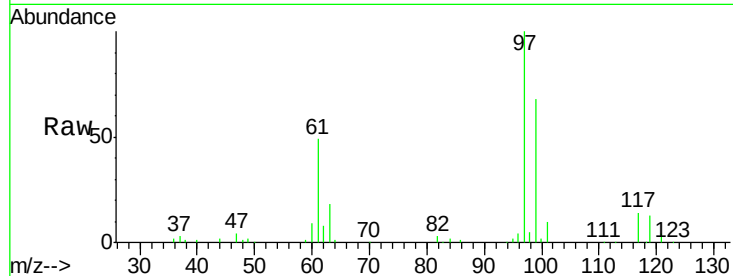




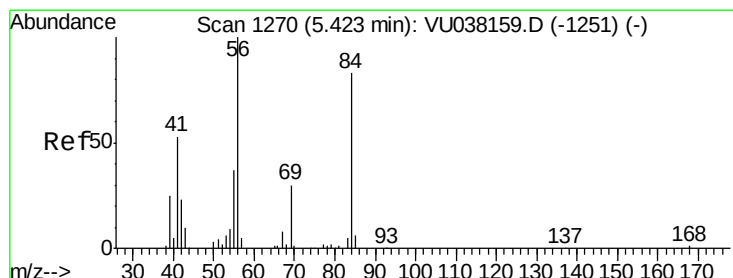
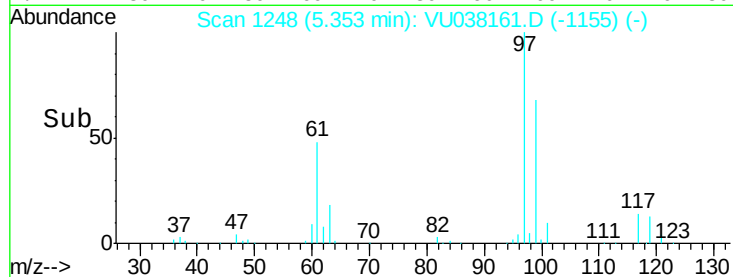
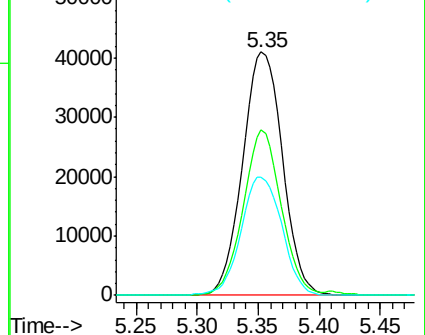
#29
 1,1,1-Trichloroethane
 Concen: 1.918 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038161.D
 Acq: 14 May 2020 12:05

Instrument :
 MSVOA_U
 ClientSampled :
 BFX11

Tot Ion: 97 Resp: 92783
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.0 76.4
 61 49.7 38.2 57.4

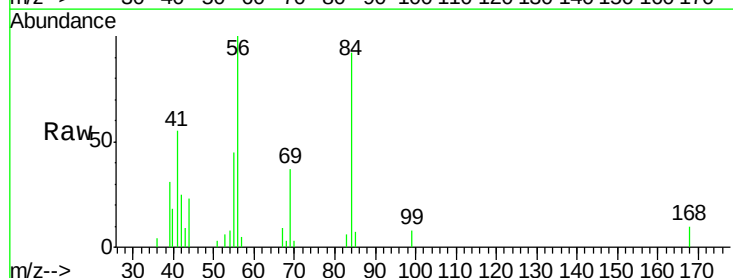


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

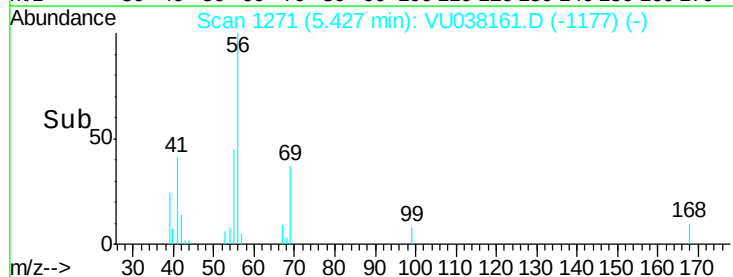
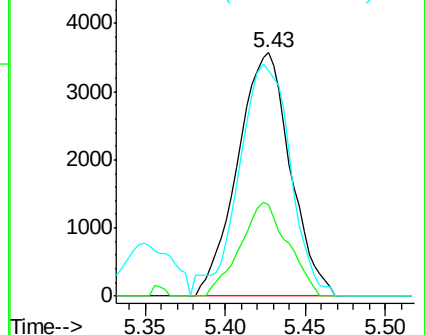


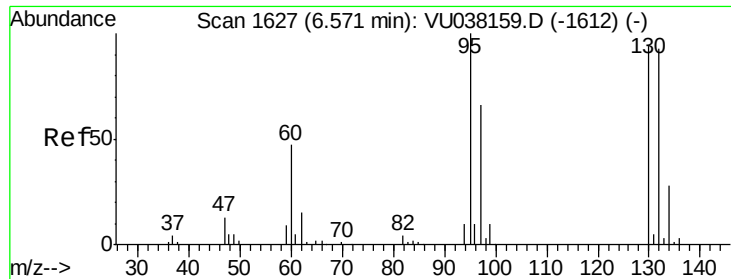
#30
 Cyclohexane
 Concen: 0.141 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU038161.D
 Acq: 14 May 2020 12:05

Tgt Ion: 56 Resp: 8079
 Ion Ratio Lower Upper
 56 100
 69 34.6 24.2 36.4
 84 93.0 68.5 102.7



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#34

Trichloroethene

Concen: 0.405 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038161.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

BFX11

Tot Ion: 95 Resp: 13694

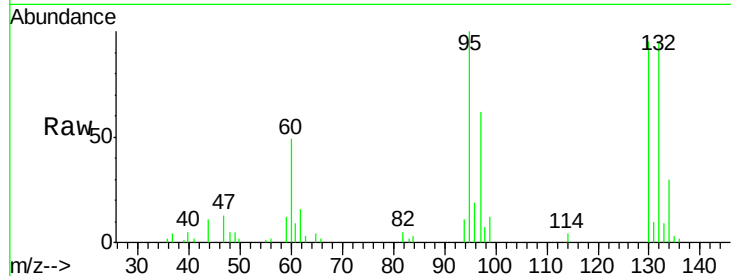
Ion Ratio Lower Upper

95 100

97 61.8 44.9 83.3

132 95.2 63.3 117.5

130 95.2 65.7 122.1

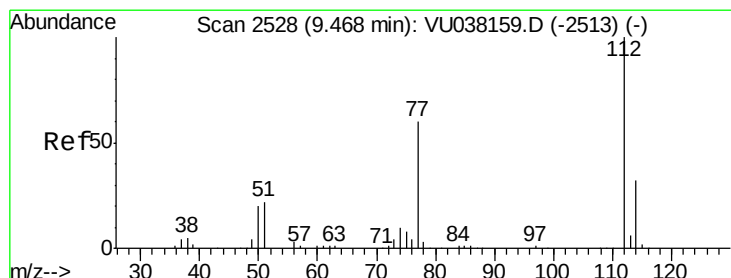
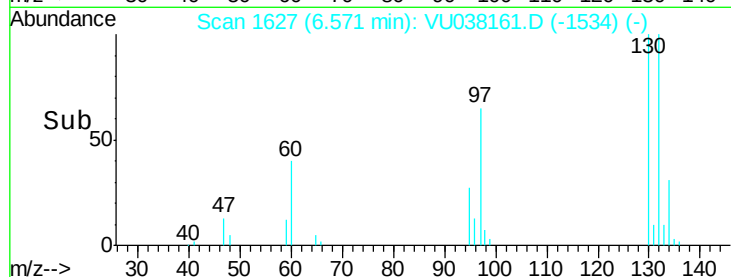
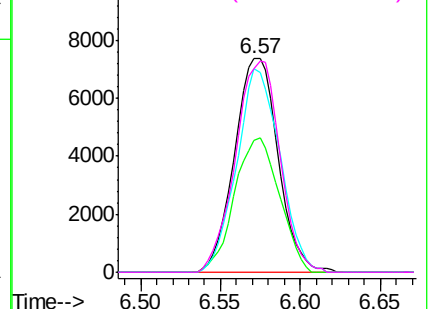


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#51

Chlorobenzene

Concen: 0.485 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU038161.D

Acq: 14 May 2020 12:05

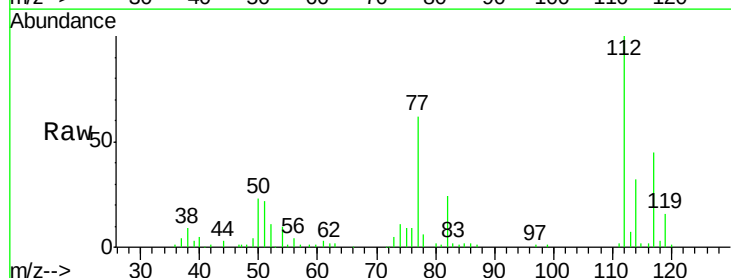
Tgt Ion: 112 Resp: 42942

Ion Ratio Lower Upper

112 100

114 32.5 22.5 41.7

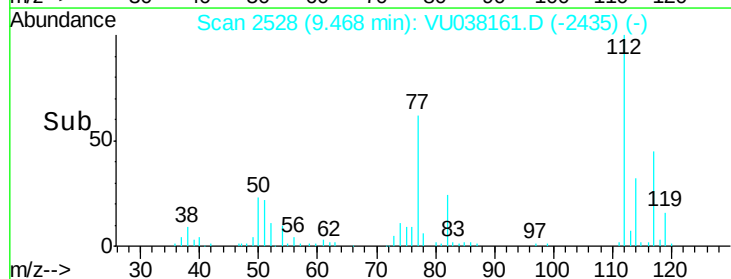
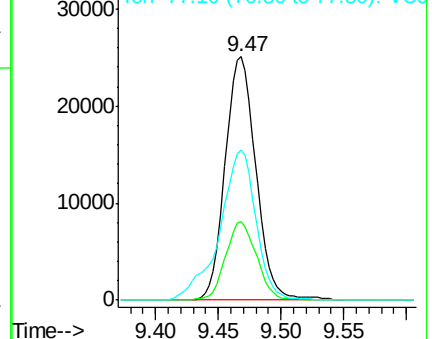
77 61.8 49.9 74.9

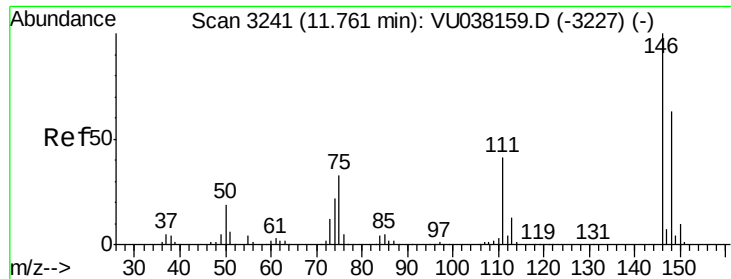


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

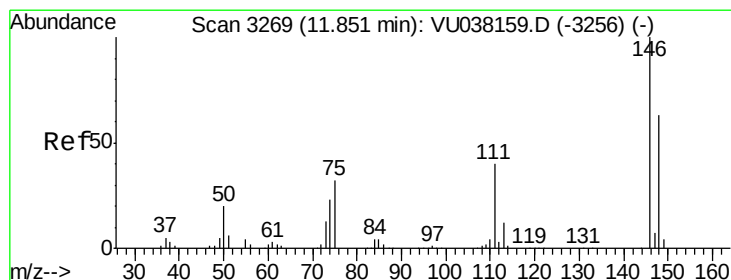
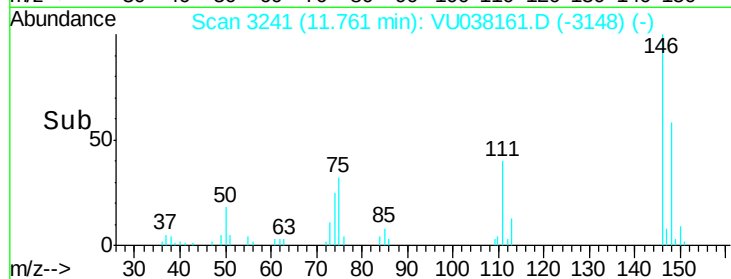
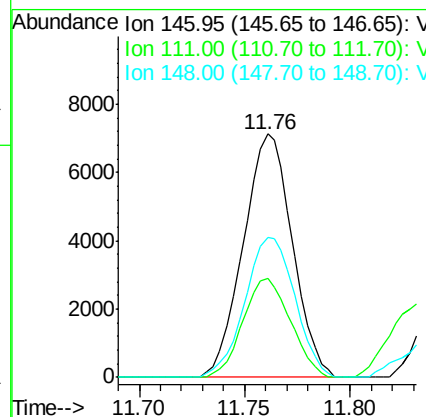
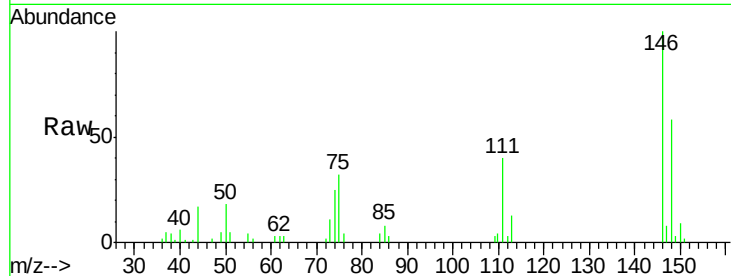




#62
 1,3-Dichlorobenzene
 Concen: 0.175 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU038161.D
 Acq: 14 May 2020 12:05

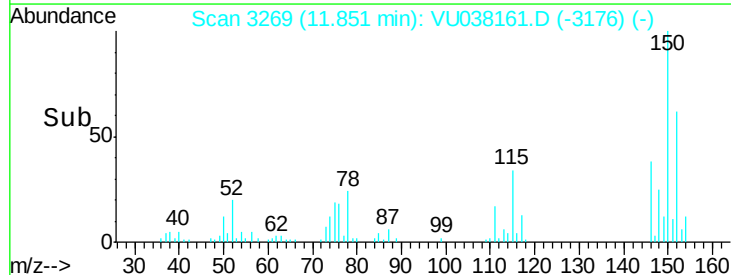
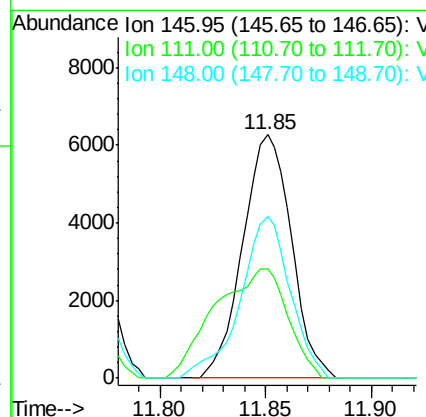
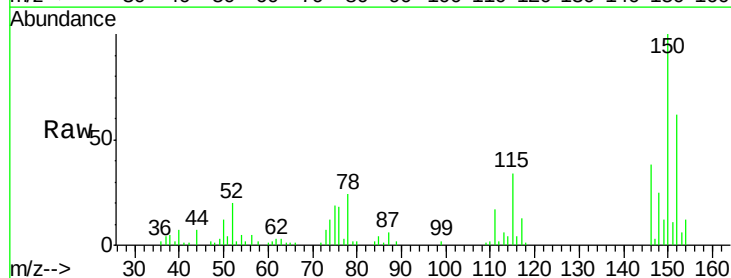
Instrument :
 MSVOA_U
 ClientSampleId :
 BFX11

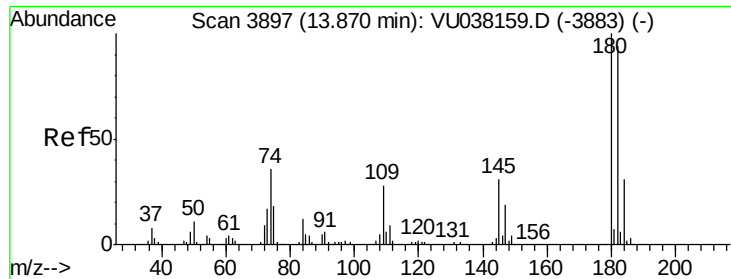
Tot Ion:146 Resp: 11523
 Ion Ratio Lower Upper
 146 100
 111 40.4 28.6 53.2
 148 57.5 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 0.151 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038161.D
 Acq: 14 May 2020 12:05

Tgt Ion:146 Resp: 10036
 Ion Ratio Lower Upper
 146 100
 111 44.7 27.2 50.6
 148 66.6 43.8 81.3

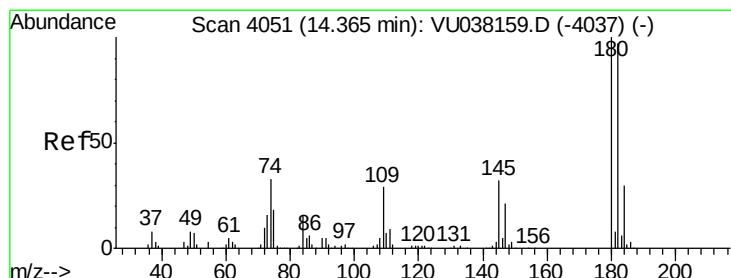
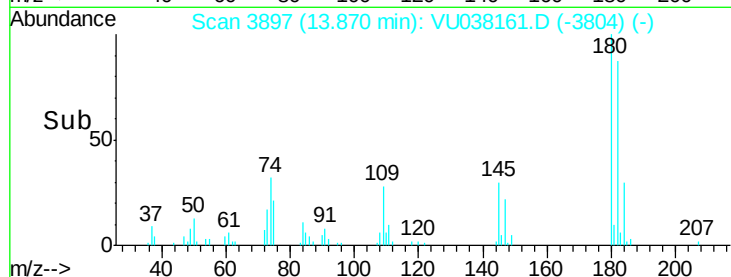
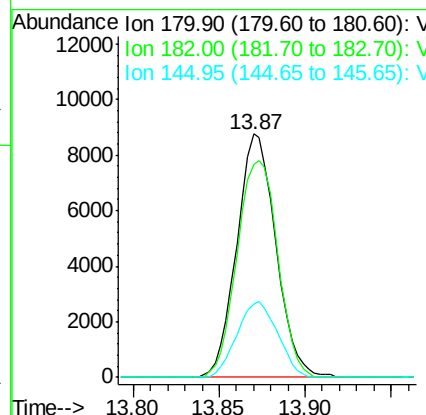
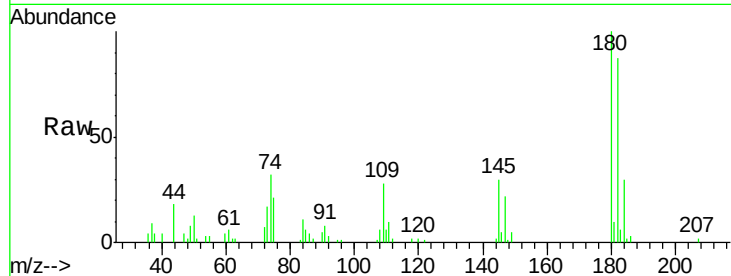




#68
 1,2,4-trichlorobenzene
 Concen: 0.321 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU038161.D
 Acq: 14 May 2020 12:05

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX11

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	75.0	112.6
145	32.1	24.8	37.2



#70
 1,2,3-Trichlorobenzene
 Concen: 0.285 ug/L
 RT: 14.37 min Scan# 4051
 Delta R.T. 0.00 min
 Lab File: VU038161.D
 Acq: 14 May 2020 12:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.3	114.5
145	31.7	26.1	39.1

