

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051420\
 Data File : VU038182.D
 Acq On : 14 May 2020 20:10
 Operator : JC/MD
 Sample : L2630-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX11

Quant Time: May 15 04:29:10 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	338865	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	328410	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	160648	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	97388	3.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.80%
7) Chloroethane-d5	1.93	69	101446	3.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.60%
11) 1,1-Dichloroethene-d2	2.59	63	142578	2.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.00%#
20) 2-Butanone-d5	4.67	46	425692	55.66	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.32%
24) Chloroform-d	5.10	84	209506	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.74	65	124854	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.76	84	425759	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.72	67	143880	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.92	98	367149	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	8.20	79	50867	4.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.00%
46) 2-Hexanone-d5	8.65	63	346752	57.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.42%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	122757	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	140481	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

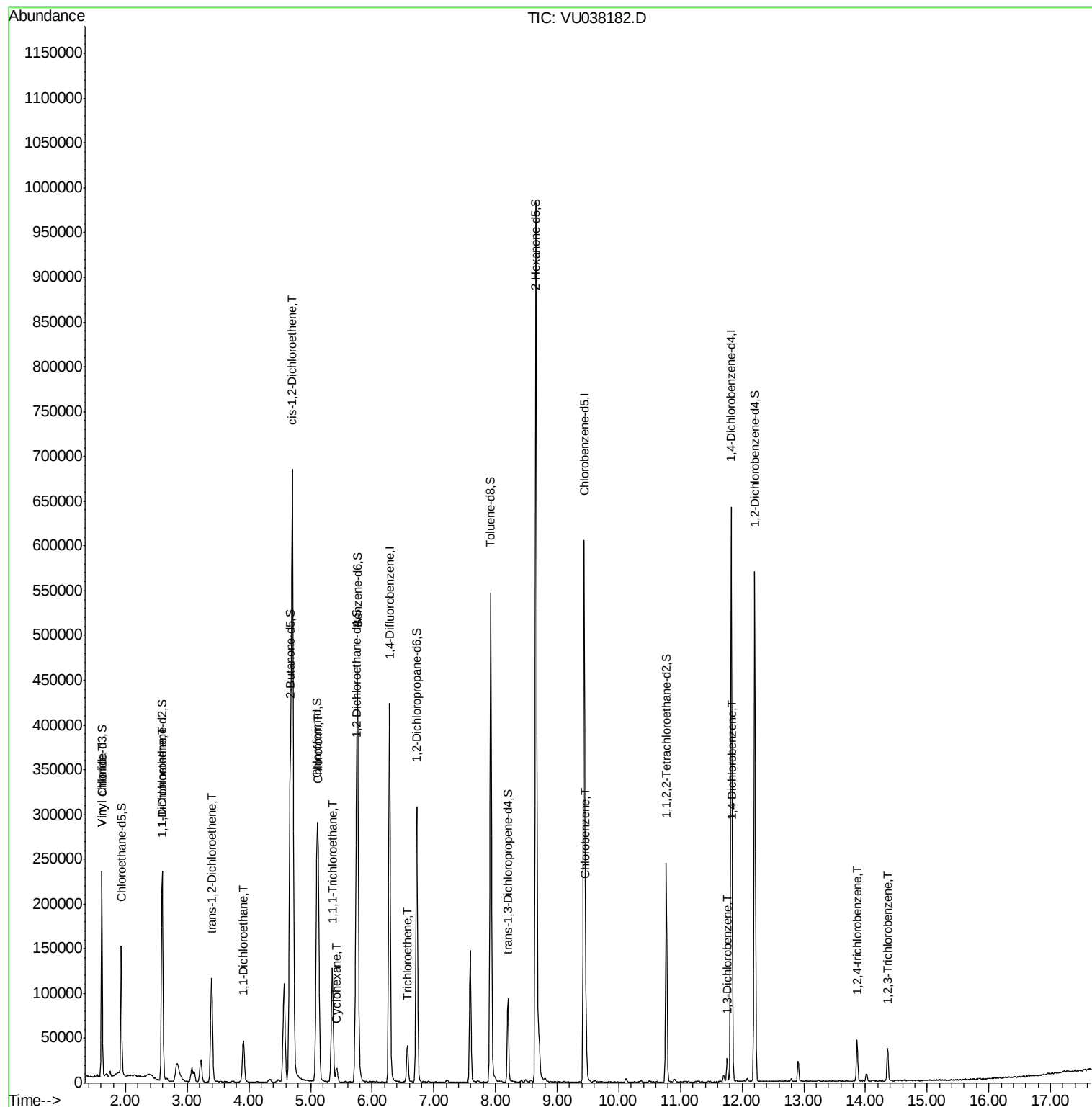
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	68986	1.885	ug/L	98
12) 1,1-Dichloroethene	2.61	96	10625	0.452	ug/L #	1
18) trans-1,2-Dichloroethene	3.38	96	3369	0.131	ug/L	95
19) 1,1-Dichloroethane	3.91	63	54195	1.081	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	313641	11.336	ug/L	100
25) Chloroform	5.13	83	173099	3.701	ug/L	96
29) 1,1,1-Trichloroethane	5.35	97	90256	2.399	ug/L	97
30) Cyclohexane	5.43	56	7892	0.178	ug/L	96
34) Trichloroethene	6.57	95	13216	0.502	ug/L	99
51) Chlorobenzene	9.47	112	41181	0.598	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	9722	0.186	ug/L	89
63) 1,4-Dichlorobenzene	11.85	146	9331	0.176	ug/L	97
68) 1,2,4-trichlorobenzene	13.86	180	12623	0.367	ug/L	93
70) 1,2,3-Trichlorobenzene	14.36	180	11121	0.348	ug/L	98

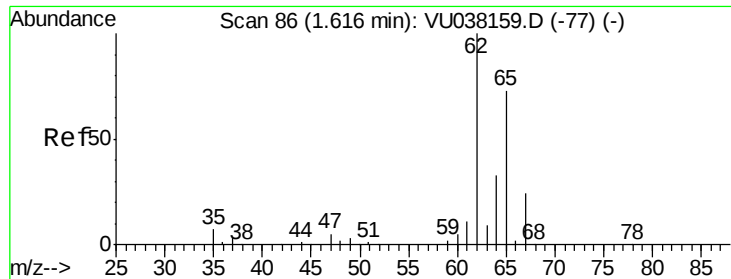
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 15 01:05:40 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.885 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038182.D

Acq: 14 May 2020 20:10

Instrument :

MSVOA_U

ClientSampled :

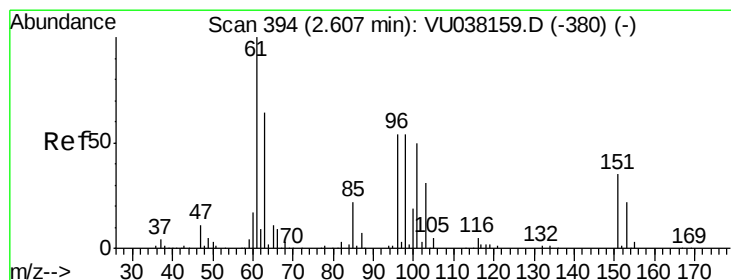
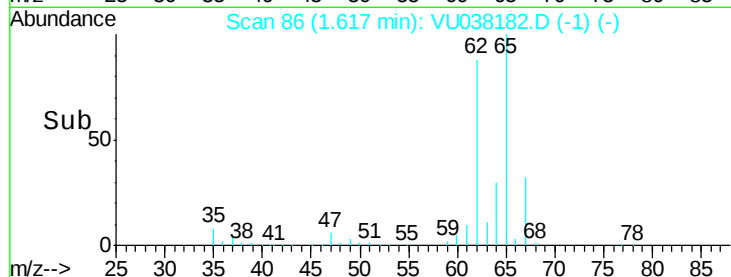
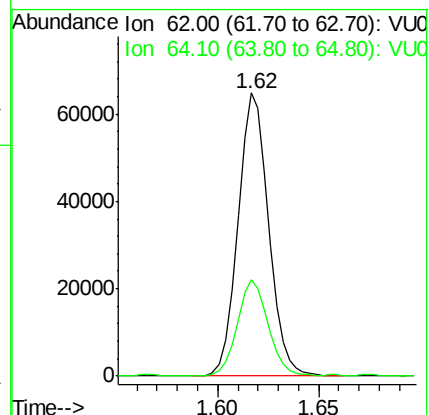
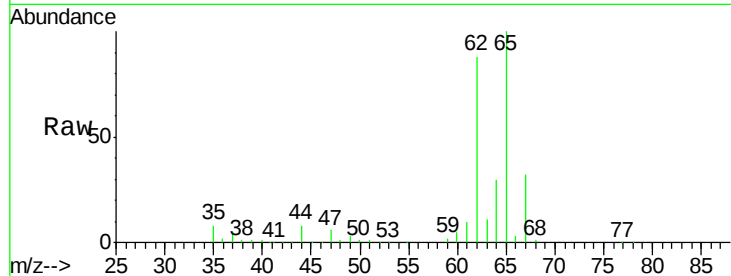
BFX11

Tot Ion: 62 Resp: 68986

Ion Ratio Lower Upper

62 100

64 34.0 22.8 42.4



#12

1,1-Dichloroethene

Concen: 0.452 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038182.D

Acq: 14 May 2020 20:10

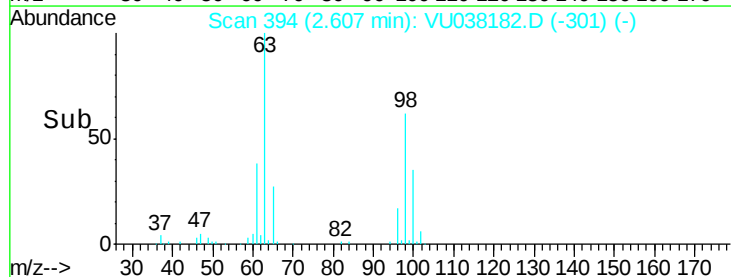
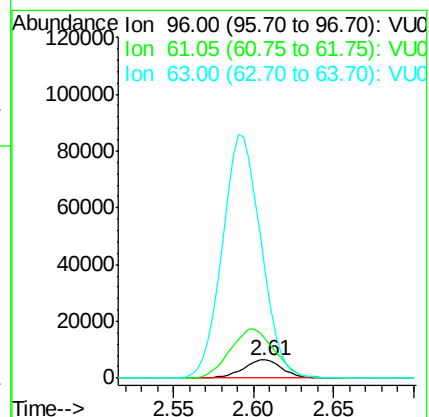
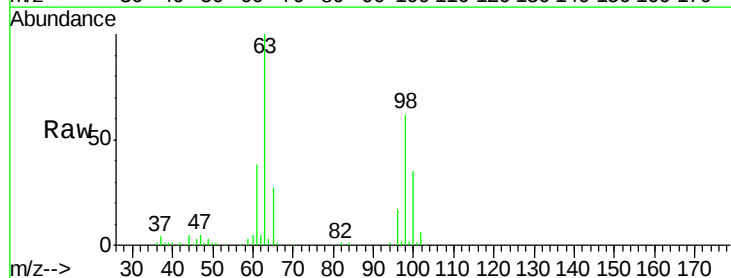
Tgt Ion: 96 Resp: 10625

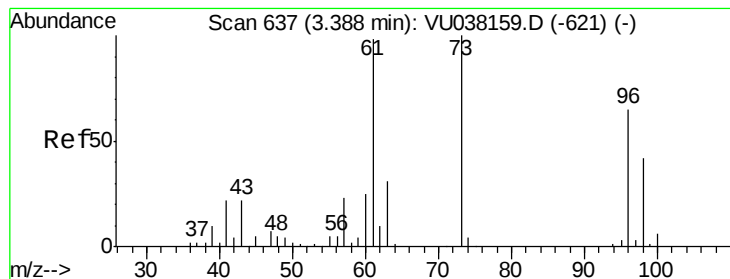
Ion Ratio Lower Upper

96 100

61 214.7 126.2 234.4

63 572.4 96.9 179.9#





#18

trans-1,2-Dichloroethene

Concen: 0.131 ug/L

RT: 3.38 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU038182.D

Acq: 14 May 2020 20:10

Instrument :

MSVOA_U

ClientSampled :

BFX11

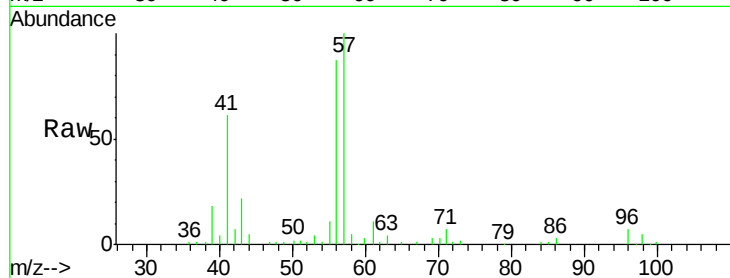
Tot Ion: 96 Resp: 3369

Ion Ratio Lower Upper

96 100

61 148.9 102.1 189.5

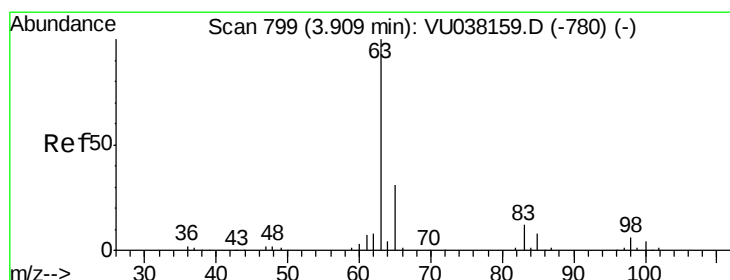
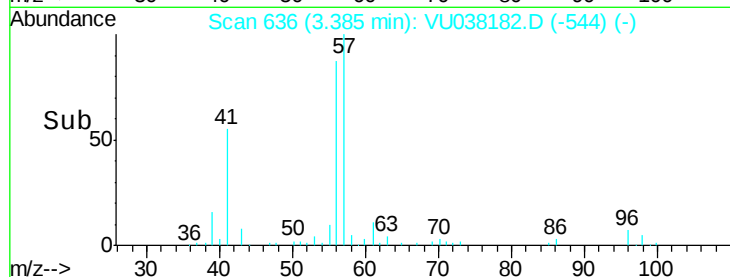
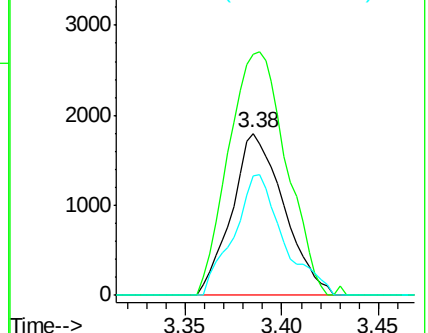
98 73.5 45.6 84.8



Abundance Ion 96.00 (95.70 to 96.70): VU038182.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU038182.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU038182.D (-544) (-)



#19

1,1-Dichloroethane

Concen: 1.081 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038182.D

Acq: 14 May 2020 20:10

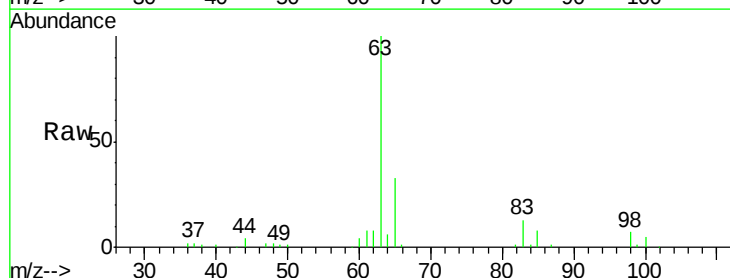
Tgt Ion: 63 Resp: 54195

Ion Ratio Lower Upper

63 100

65 32.6 22.5 41.7

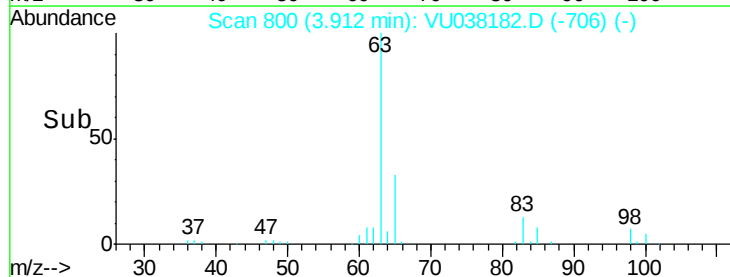
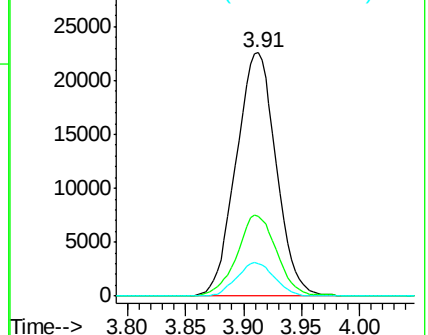
83 13.2 8.9 16.5

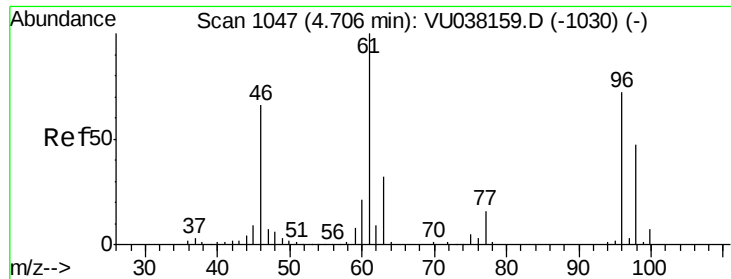


Abundance Ion 63.10 (62.80 to 63.80): VU038182.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038182.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038182.D (-706) (-)

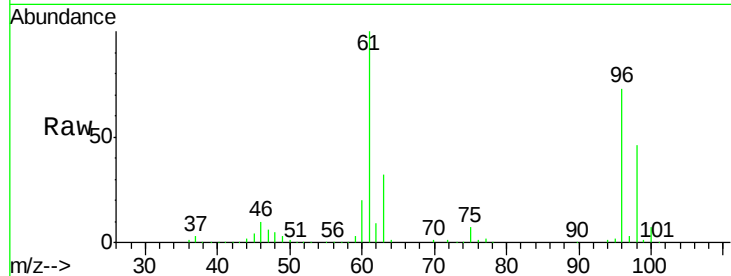




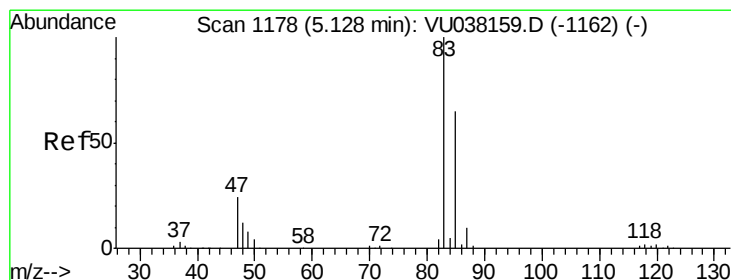
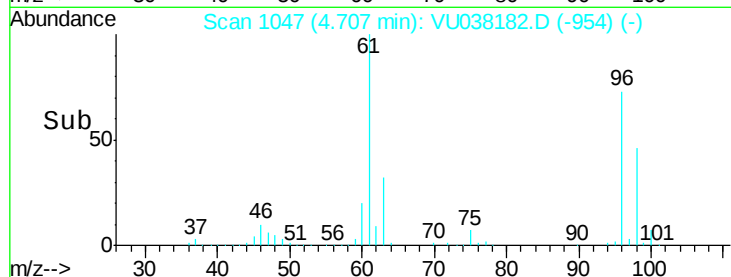
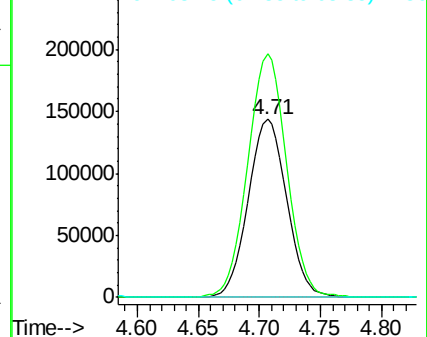
#22
 cis-1,2-Dichloroethene
 Concen: 11.336 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU038182.D
 Acq: 14 May 2020 20:10

Instrument :
 MSVOA_U
 ClientSampleID :
 BFX11

Tot Ion: 96 Resp: 313641
 Ion Ratio Lower Upper
 96 100
 61 136.6 95.3 176.9
 68 0.0 0.0 0.0

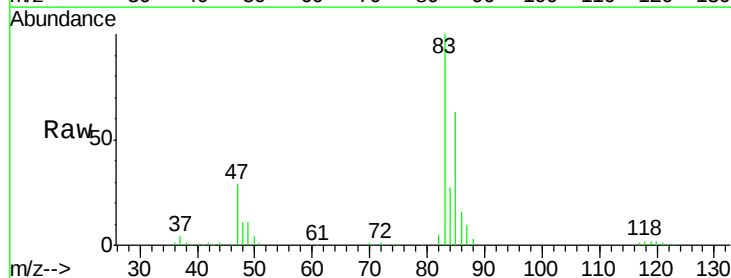


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

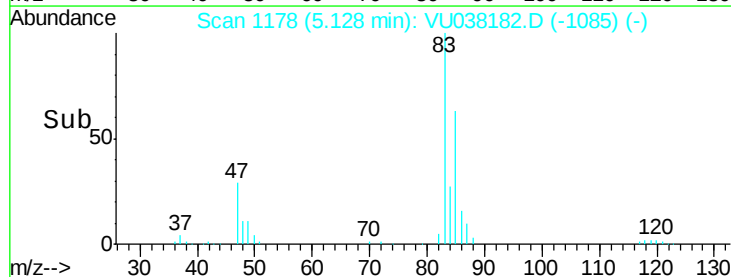
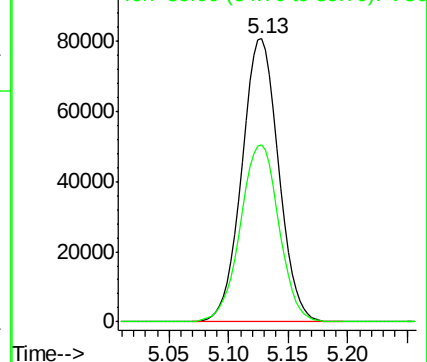


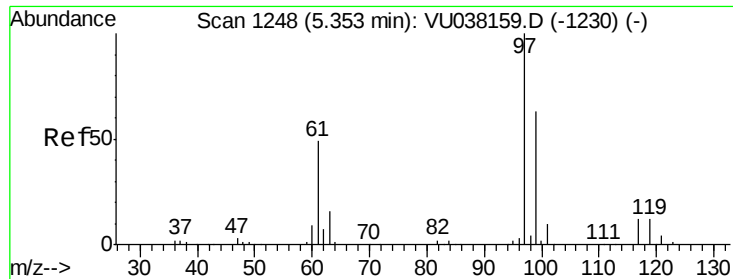
#25
 Chloroform
 Concen: 3.701 ug/L
 RT: 5.13 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VU038182.D
 Acq: 14 May 2020 20:10

Tgt Ion: 83 Resp: 173099
 Ion Ratio Lower Upper
 83 100
 85 62.8 46.2 85.8



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

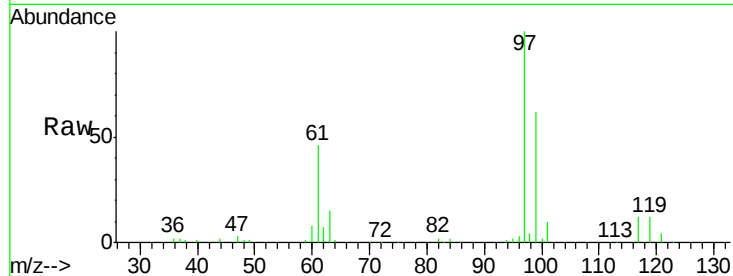




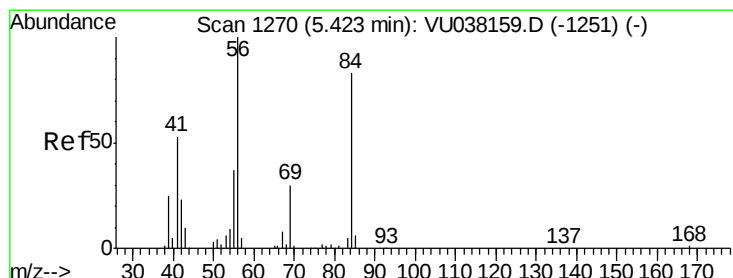
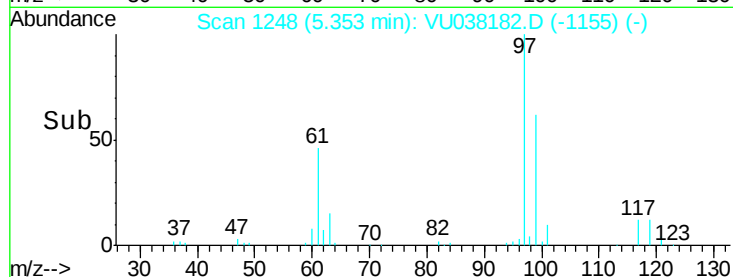
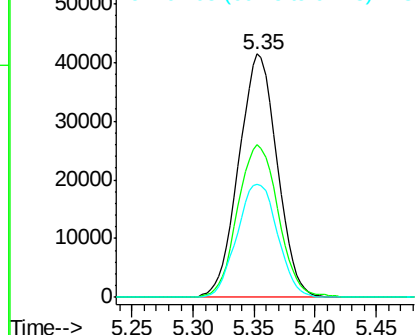
#29
 1,1,1-Trichloroethane
 Concen: 2.399 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038182.D
 Acq: 14 May 2020 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX11

Tot Ion: 97 Resp: 90256
 Ion Ratio Lower Upper
 97 100
 99 66.5 51.0 76.4
 61 49.0 38.2 57.4

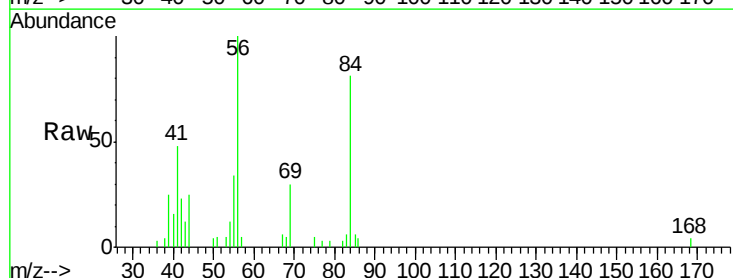


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

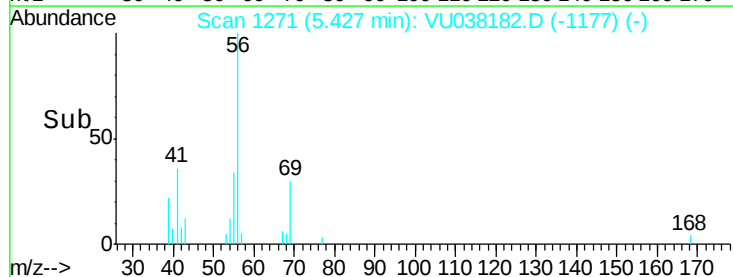
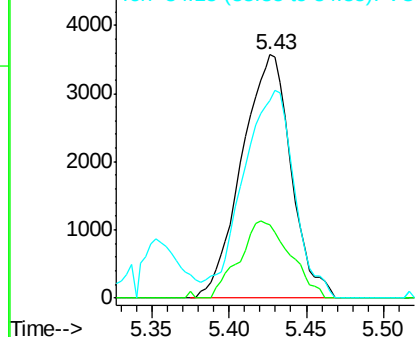


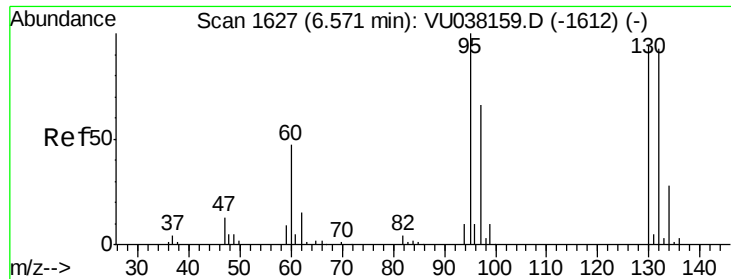
#30
 Cyclohexane
 Concen: 0.178 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU038182.D
 Acq: 14 May 2020 20:10

Tgt Ion: 56 Resp: 7892
 Ion Ratio Lower Upper
 56 100
 69 32.6 24.2 36.4
 84 88.9 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

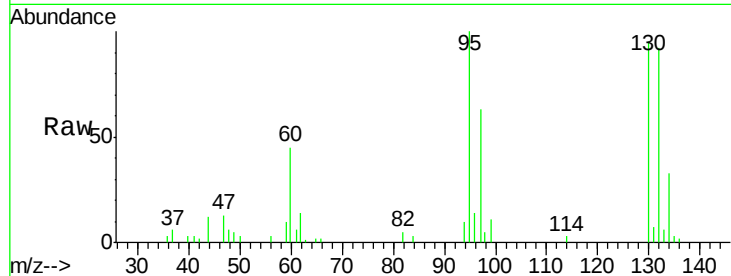




#34
 Trichloroethene
 Concen: 0.502 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038182.D
 Acq: 14 May 2020 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX11

Tot Ion:	95	Resp:	13216
Ion	Ratio	Lower	Upper
95	100		
97	62.8	44.9	83.3
132	92.1	63.3	117.5
130	94.6	65.7	122.1

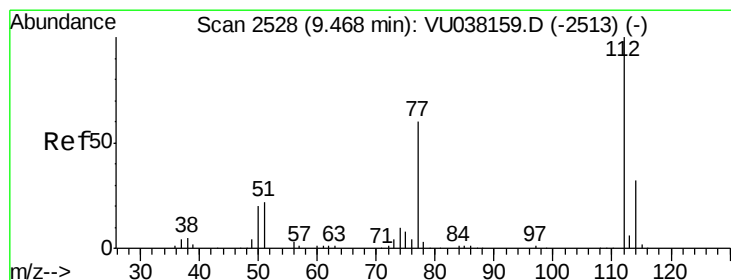
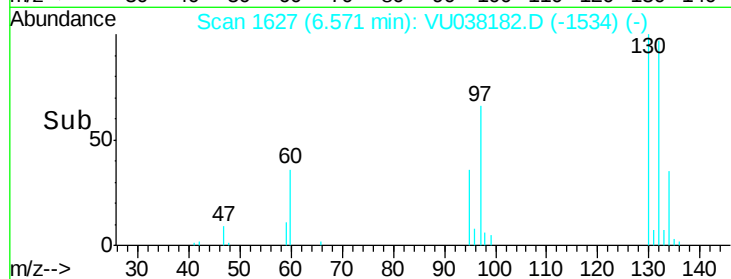
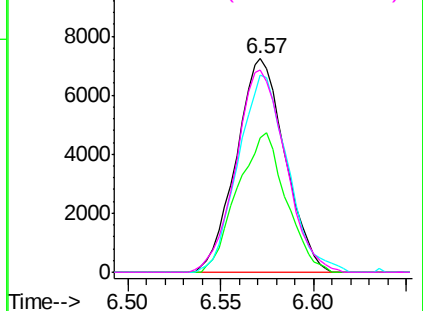


Abundance Ion 95.00 (94.70 to 95.70): VU038182.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038182.D (-1534) (-)

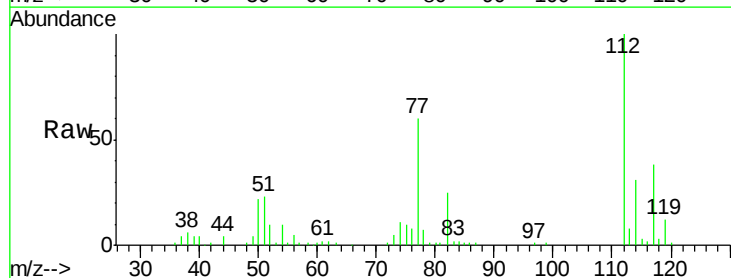
Ion 131.95 (131.65 to 132.65): VU038182.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038182.D (-1534) (-)



#51
 Chlorobenzene
 Concen: 0.598 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038182.D
 Acq: 14 May 2020 20:10

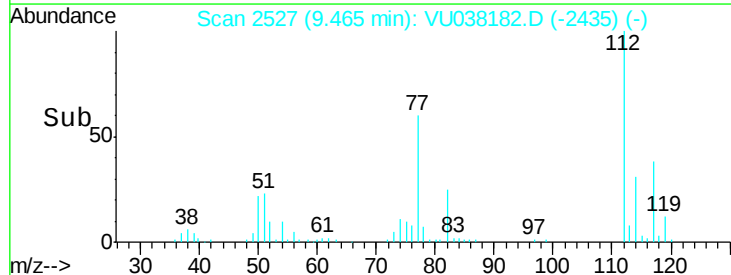
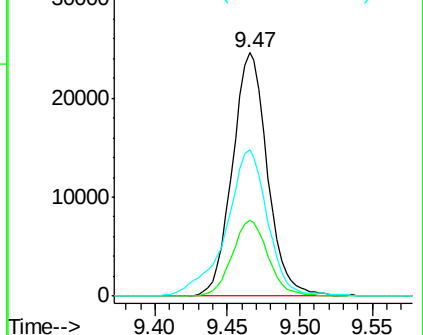
Tgt Ion:	112	Resp:	41181
Ion	Ratio	Lower	Upper
112	100		
114	31.0	22.5	41.7
77	60.0	49.9	74.9

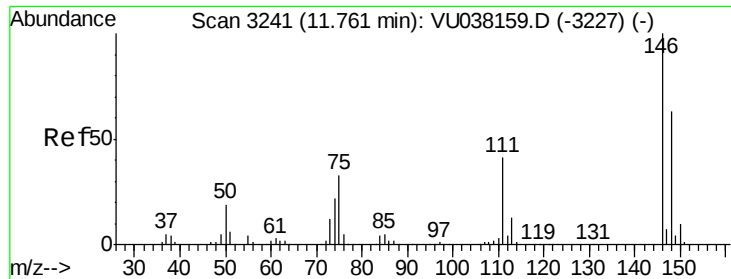


Abundance Ion 112.10 (111.80 to 112.80): VU038182.D (-2435) (-)

Ion 114.05 (113.75 to 114.75): VU038182.D (-2435) (-)

Ion 77.10 (76.80 to 77.80): VU038182.D (-2435) (-)

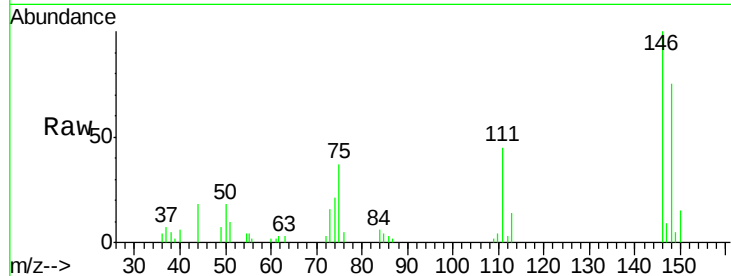




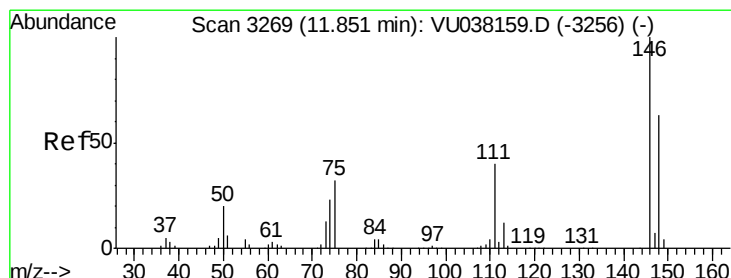
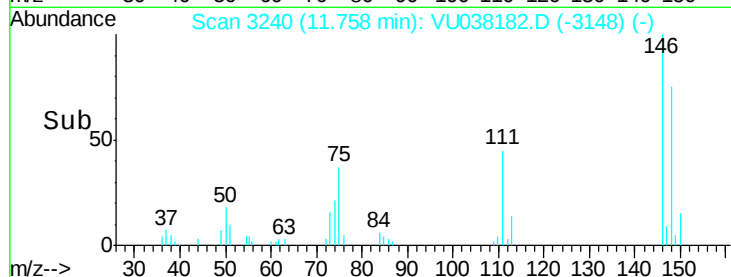
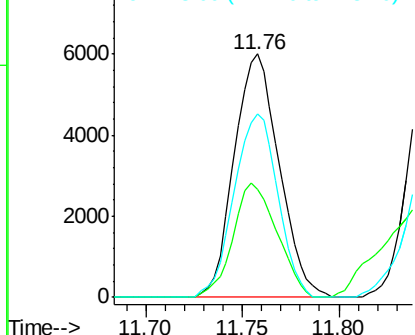
#62
 1,3-Dichlorobenzene
 Concen: 0.186 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038182.D
 Acq: 14 May 2020 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX11

Tot Ion:146 Resp: 9722
 Ion Ratio Lower Upper
 146 100
 111 44.5 28.6 53.2
 148 75.3 45.2 84.0

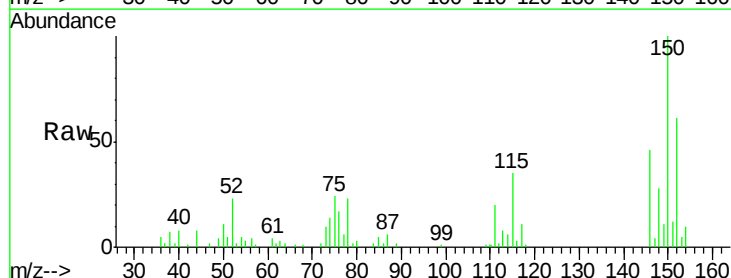


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

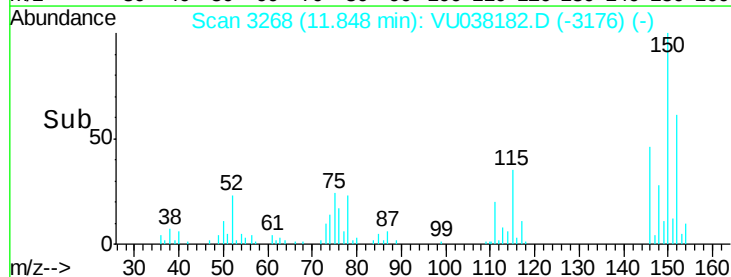
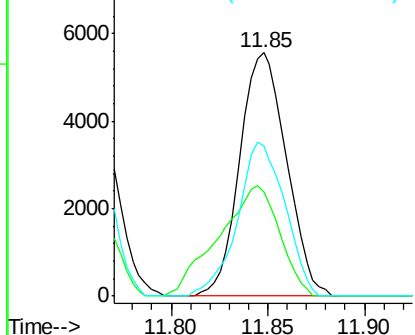


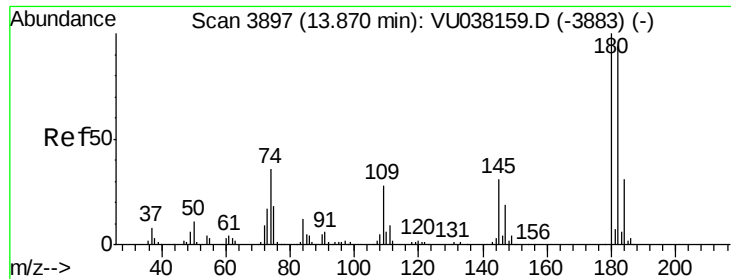
#63
 1,4-Dichlorobenzene
 Concen: 0.176 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038182.D
 Acq: 14 May 2020 20:10

Tgt Ion:146 Resp: 9331
 Ion Ratio Lower Upper
 146 100
 111 42.9 27.2 50.6
 148 61.4 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

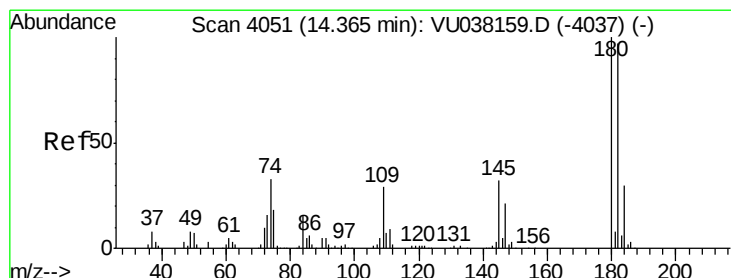
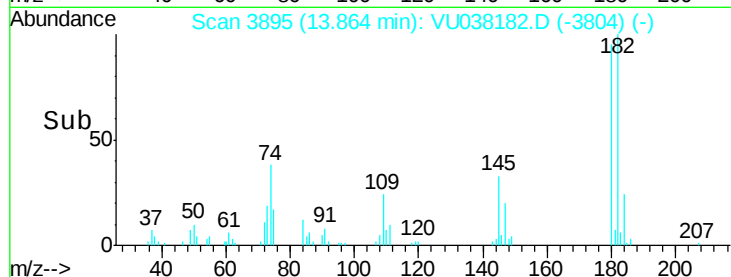
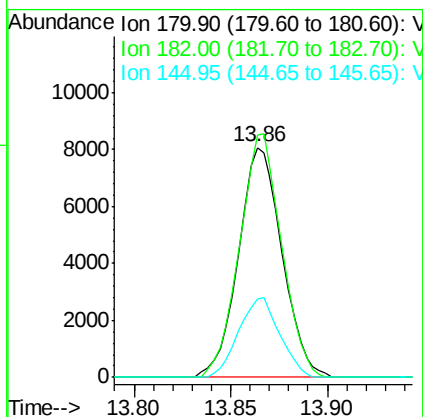
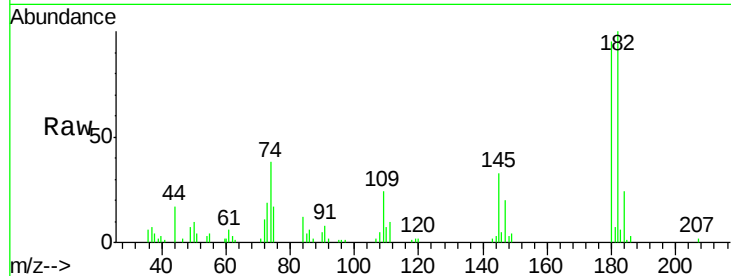




#68
 1,2,4-trichlorobenzene
 Concen: 0.367 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: VU038182.D
 Acq: 14 May 2020 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX11

Tot Ion:180 Resp: 12623
 Ion Ratio Lower Upper
 180 100
 182 102.4 75.0 112.6
 145 32.6 24.8 37.2



#70
 1,2,3-Trichlorobenzene
 Concen: 0.348 ug/L
 RT: 14.36 min Scan# 4050
 Delta R.T. -0.00 min
 Lab File: VU038182.D
 Acq: 14 May 2020 20:10

Tgt Ion:180 Resp: 11121
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.3 114.5
 145 30.6 26.1 39.1

