

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051420\
 Data File : VU038164.D
 Acq On : 14 May 2020 13:14
 Operator : JC/MD
 Sample : L2630-02DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX10DL

Quant Time: May 15 01:58:11 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	347127	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	338997	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	169594	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	113899	3.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.80%
7) Chloroethane-d5	1.93	69	113531	4.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.60%
11) 1,1-Dichloroethene-d2	2.59	63	159346	3.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.00%
20) 2-Butanone-d5	4.66	46	460767	58.82	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.64%
24) Chloroform-d	5.10	84	218677	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.74	65	135311	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.76	84	459433	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.72	67	156204	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.92	98	405238	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	8.20	79	56548	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.65	63	366885	59.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.32%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	134384	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	158884	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	144510	3.855	ug/L	99
12) 1,1-Dichloroethene	2.60	96	9725	0.404	ug/L #	1
19) 1,1-Dichloroethane	3.91	63	139972	2.725	ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	220519	7.781	ug/L #	99
29) 1,1,1-Trichloroethane	5.35	97	311996	8.033	ug/L	99
30) Cyclohexane	5.42	56	206921	4.512	ug/L	100
42) Toluene	7.99	91	970124	8.466	ug/L	100
48) 2-Hexanone	8.71	43	36064	2.410	ug/L	97
51) Chlorobenzene	9.47	112	224307	3.154	ug/L	98
52) Ethylbenzene	9.59	91	234532	1.889	ug/L	100
53) m,p-Xylene	9.71	106	161058	3.384	ug/L	99
54) o-Xylene	10.11	106	83017	1.804	ug/L	96
56) Isopropylbenzene	10.50	105	75264	0.637	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	50228	0.910	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	86313	1.544	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	30442	0.573	ug/L	94
68) 1,2,4-trichlorobenzene	13.87	180	21323	0.587	ug/L	97

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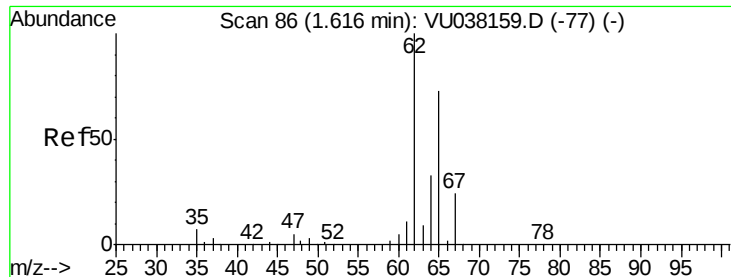
Instrument :
MSVOA_U
ClientSampleId :
BFX10DL

Quant Time: May 15 01:58:11 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)
70) 1,2,3-Trichlorobenzene	14.36	180	5631	0.167	ug/L	95

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU051420\  
Data File : VU038164.D  
Acq On    : 14 May 2020 13:14  
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Sample    : L2630-02DL 4X  
Misc      : 25.0mL/MSVOA U/WATER  
ALS Vial  : 8 Sample Multiplier: 1
```



#5

Vinyl chloride

Concen: 3.855 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038164.D

Acq: 14 May 2020 13:14

Instrument :

MSVOA_U

ClientSampled :

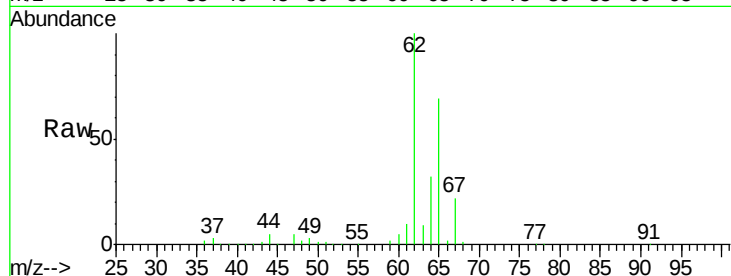
BFX10DL

Tot Ion: 62 Resp: 144510

Ion Ratio Lower Upper

62 100

64 32.2 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.62

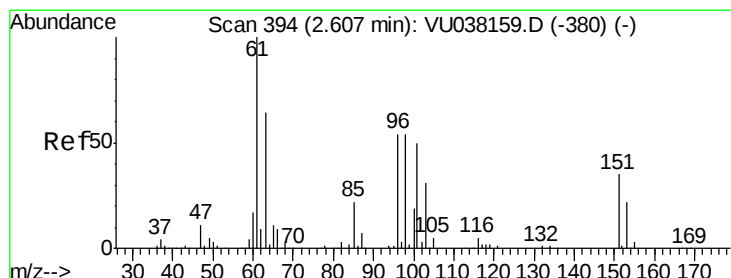
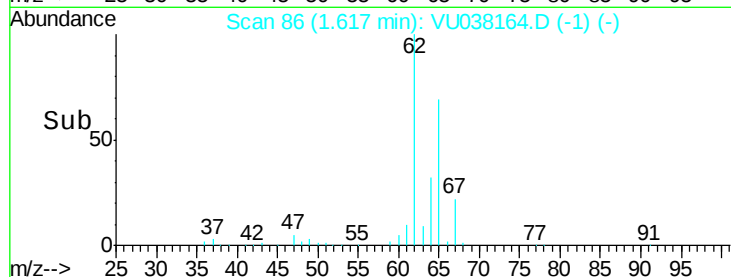
150000

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.404 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038164.D

Acq: 14 May 2020 13:14

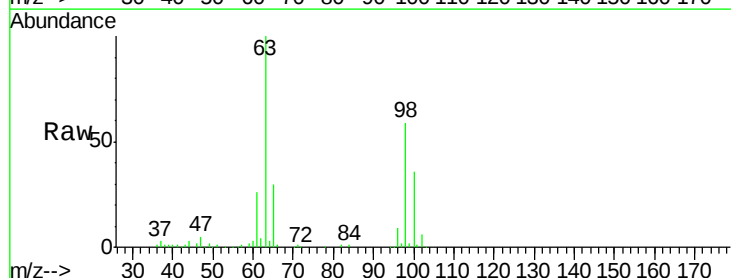
Tgt Ion: 96 Resp: 9725

Ion Ratio Lower Upper

96 100

61 291.3 126.2 234.4#

63 1130.5 96.9 179.9#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

120000

100000

80000

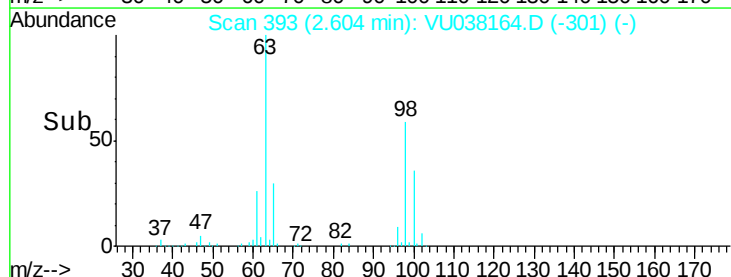
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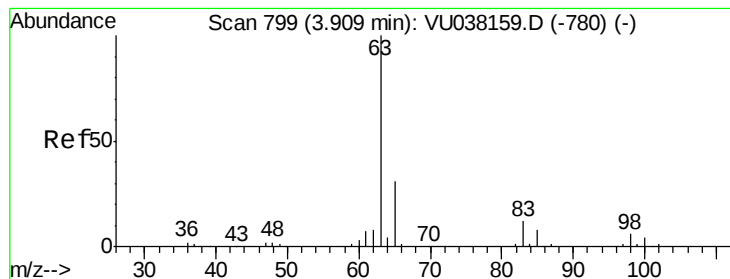
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Time-->



Time-->



#19

1,1-Dichloroethane

Concen: 2.725 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038164.D

Acq: 14 May 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

BFX10DL

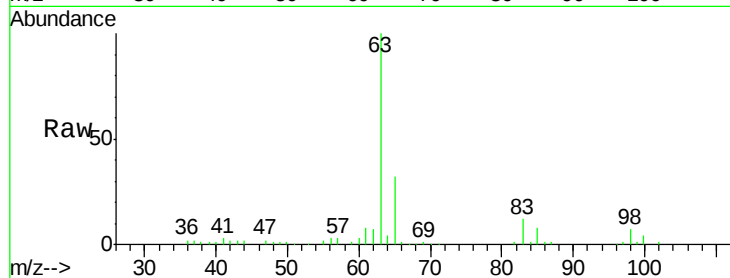
Tot Ion: 63 Resp: 139972

Ion Ratio Lower Upper

63 100

65 32.2 22.5 41.7

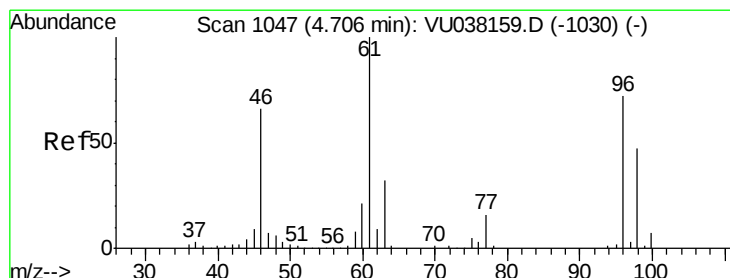
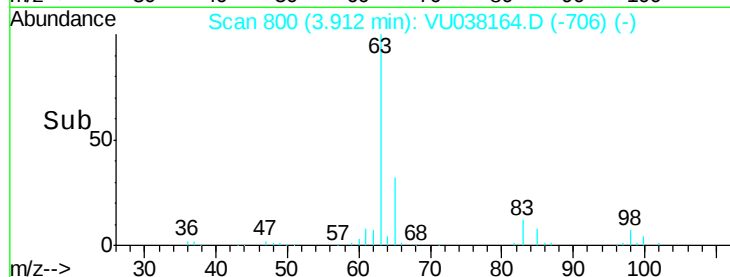
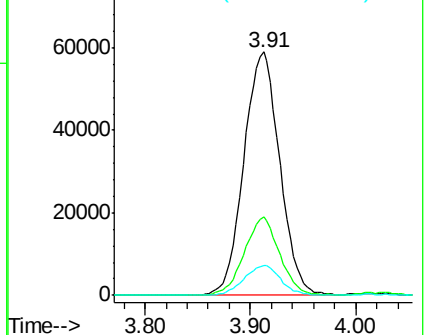
83 12.2 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU038164.D (-799) (-)

Ion 65.10 (64.80 to 65.80): VU038164.D (-799) (-)

Ion 83.05 (82.75 to 83.75): VU038164.D (-799) (-)



#22

cis-1,2-Dichloroethene

Concen: 7.781 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038164.D

Acq: 14 May 2020 13:14

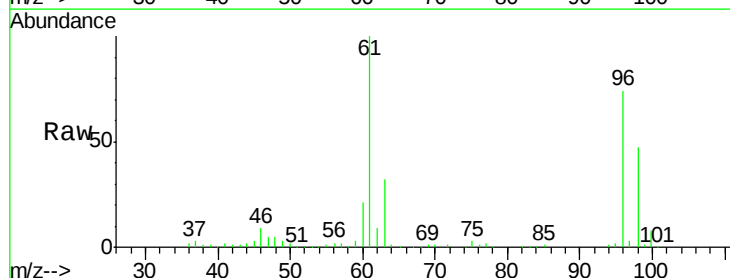
Tgt Ion: 96 Resp: 220519

Ion Ratio Lower Upper

96 100

61 134.7 95.3 176.9

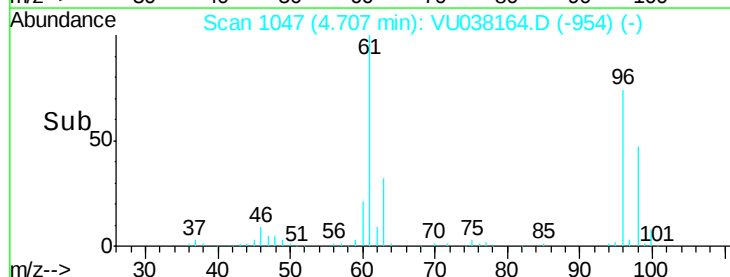
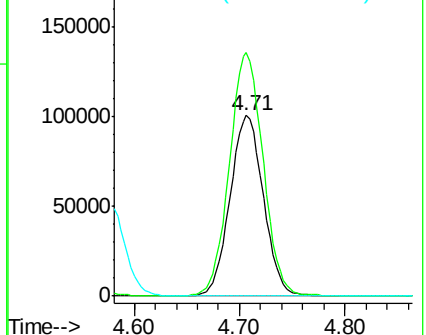
68 0.1 0.0 0.0#

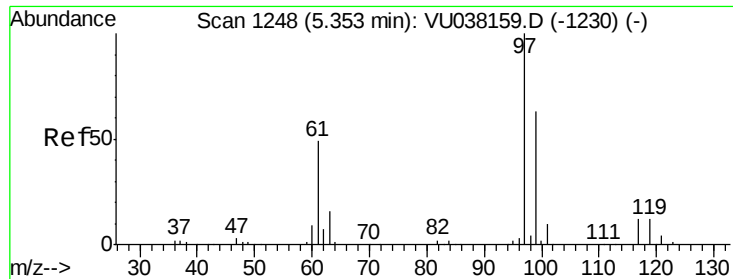


Abundance Ion 96.00 (95.70 to 96.70): VU038164.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038164.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038164.D (-954) (-)

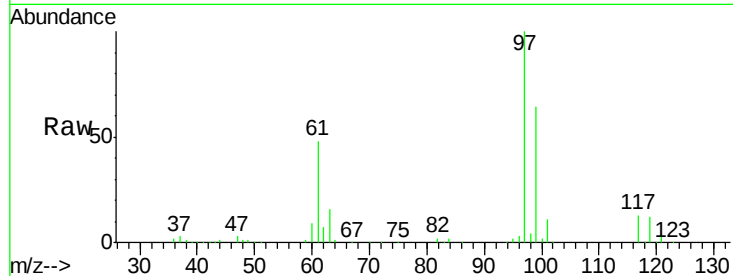




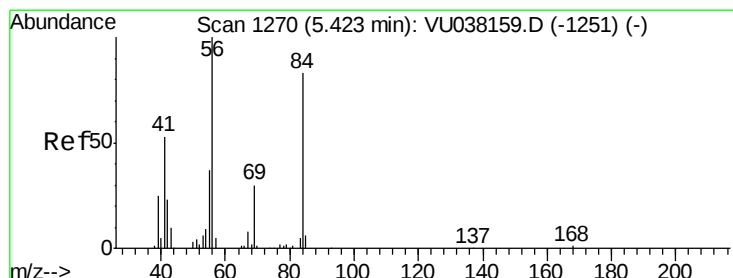
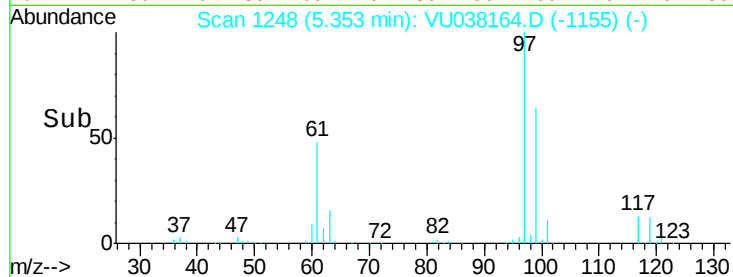
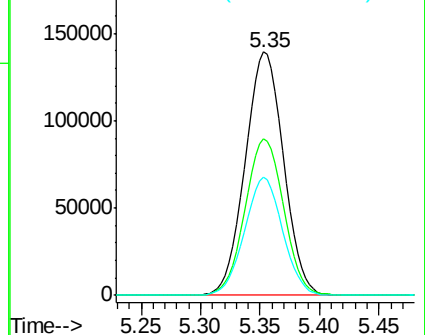
#29
 1,1,1-Trichloroethane
 Concen: 8.033 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038164.D
 Acq: 14 May 2020 13:14

Instrument :
 MSVOA_U
 ClientSampled :
 BFX10DL

Tot Ion: 97 Resp: 311996
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.0 76.4
 61 48.1 38.2 57.4

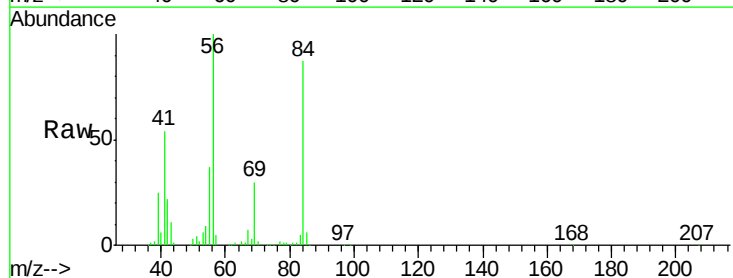


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

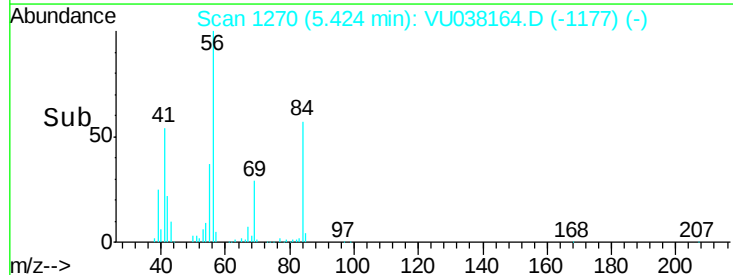
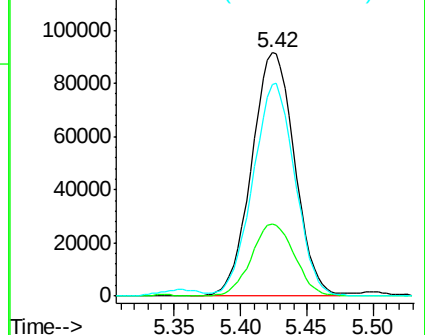


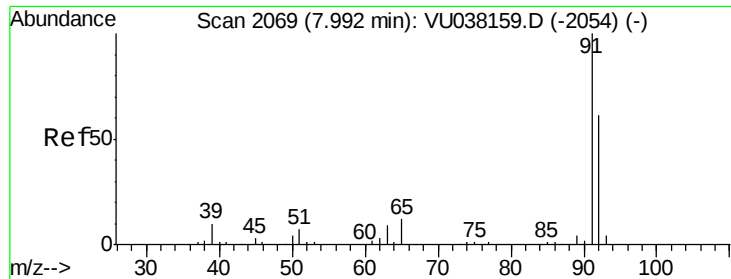
#30
 Cyclohexane
 Concen: 4.512 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038164.D
 Acq: 14 May 2020 13:14

Tgt Ion: 56 Resp: 206921
 Ion Ratio Lower Upper
 56 100
 69 29.7 24.2 36.4
 84 85.7 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





#42

Toluene

Concen: 8.466 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038164.D

Acq: 14 May 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

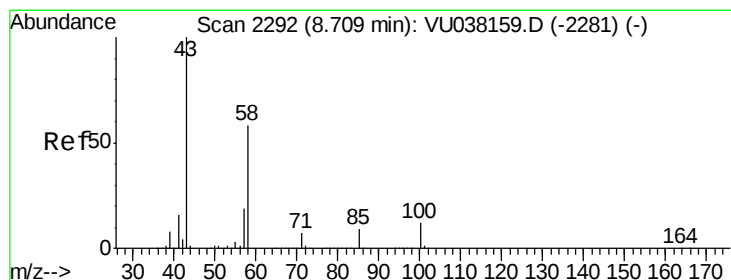
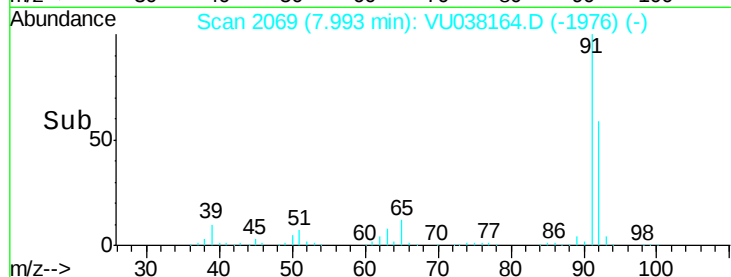
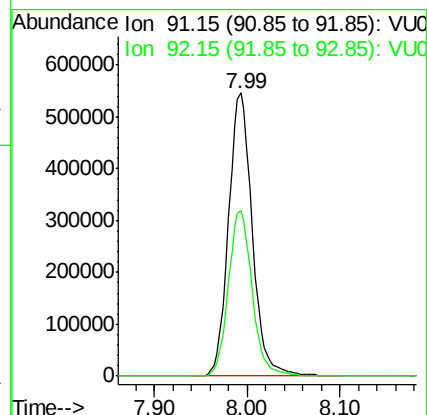
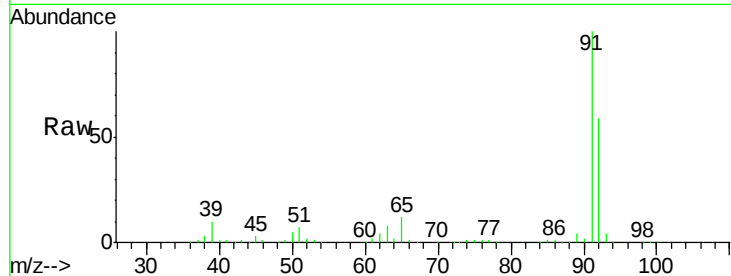
BFX10DL

Tot Ion: 91 Resp: 970124

Ion Ratio Lower Upper

91 100

92 58.6 40.9 75.9



#48

2-Hexanone

Concen: 2.410 ug/L

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU038164.D

Acq: 14 May 2020 13:14

Tgt Ion: 43 Resp: 36064

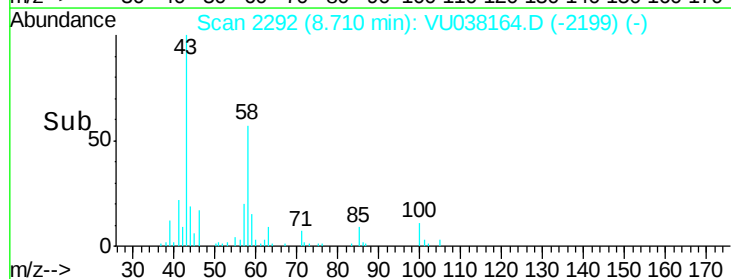
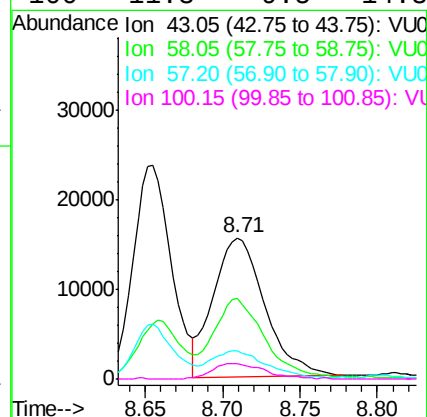
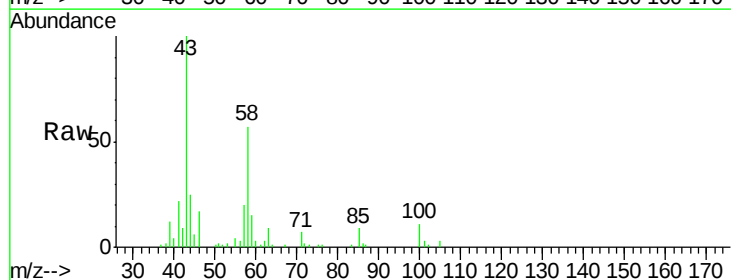
Ion Ratio Lower Upper

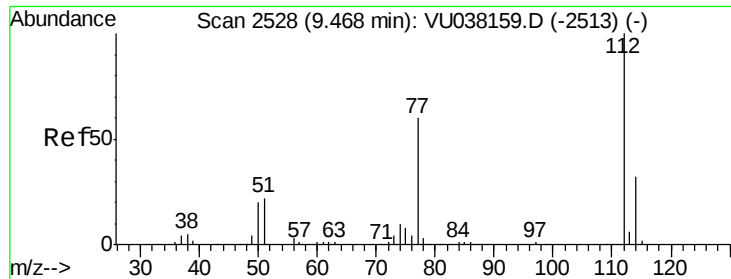
43 100

58 53.8 45.2 67.8

57 20.8 15.5 23.3

100 11.3 9.5 14.3

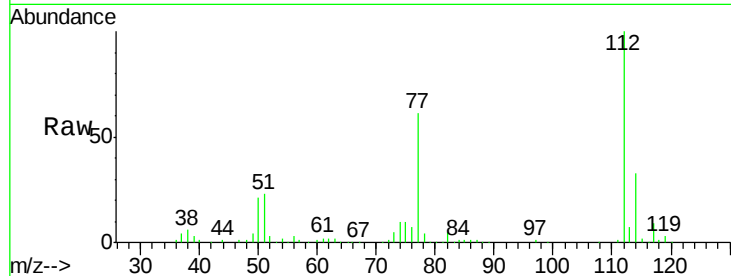




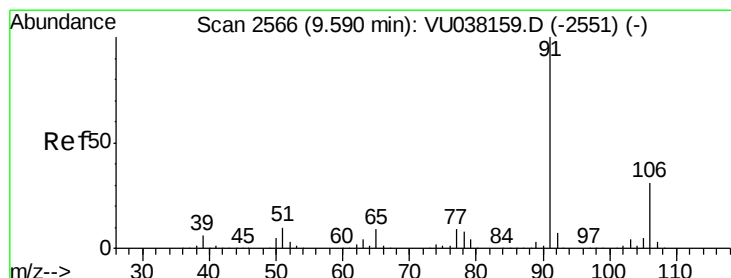
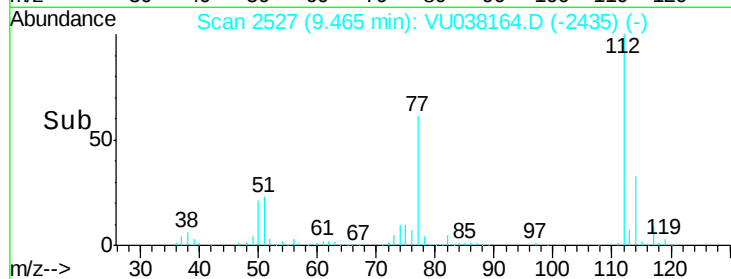
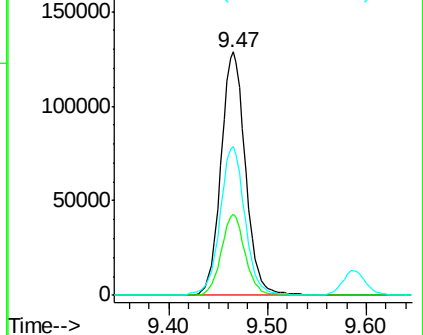
#51
Chlorobenzene
Concen: 3.154 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Instrument :
MSVOA_U
ClientSampleId :
BFX10DL

Tot Ion:112 Resp: 224307
Ion Ratio Lower Upper
112 100
114 33.4 22.5 41.7
77 61.3 49.9 74.9

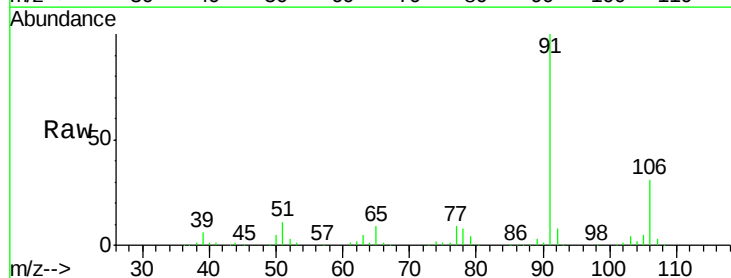


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

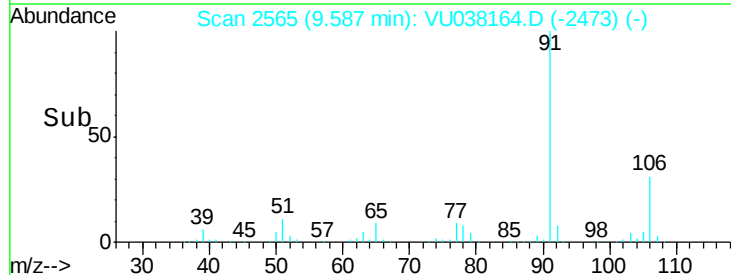
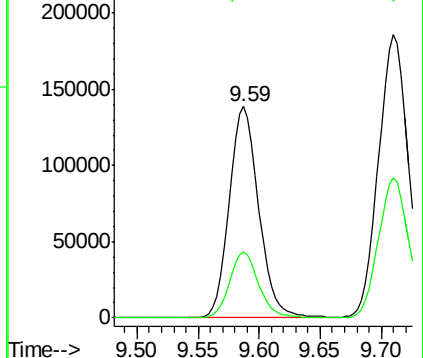


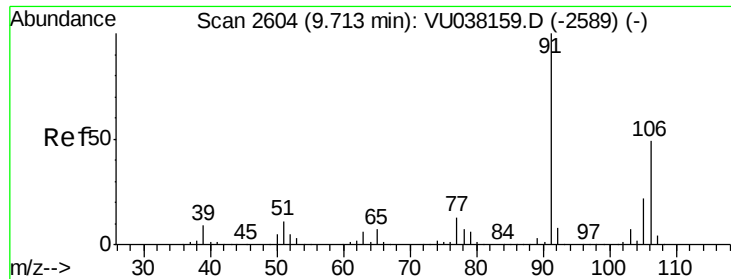
#52
Ethylbenzene
Concen: 1.889 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU038164.D
Acq: 14 May 2020 13:14

Tgt Ion: 91 Resp: 234532
Ion Ratio Lower Upper
91 100
106 31.0 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): V
Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 3.384 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038164.D

Acq: 14 May 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

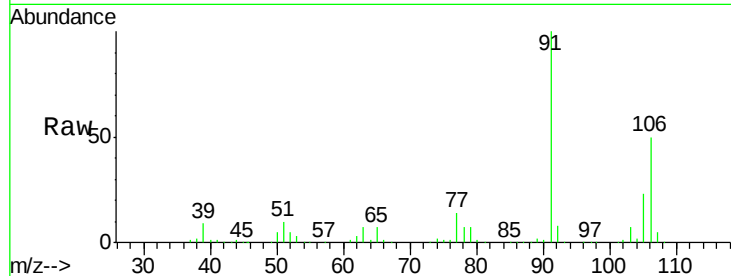
BFX10DL

Tot Ion:106 Resp: 161058

Ion Ratio Lower Upper

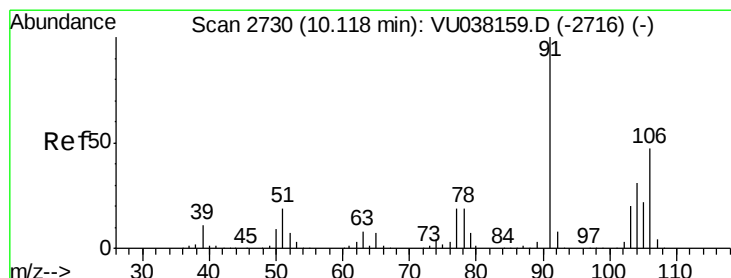
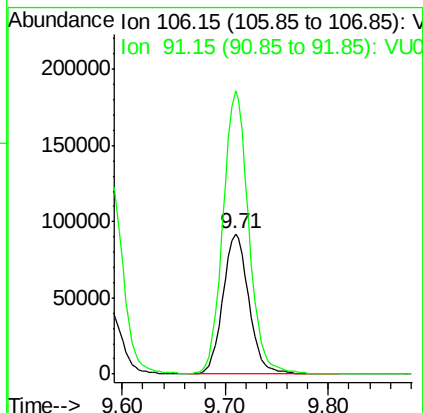
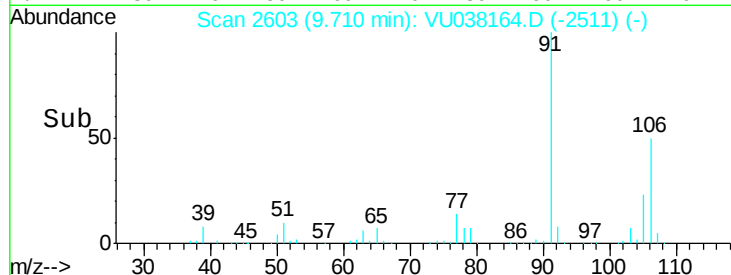
106 100

91 201.6 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 1.804 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU038164.D

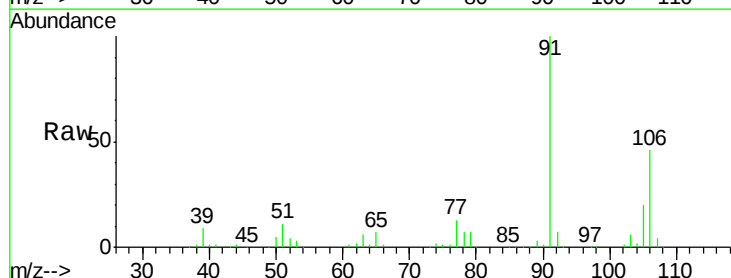
Acq: 14 May 2020 13:14

Tgt Ion:106 Resp: 83017

Ion Ratio Lower Upper

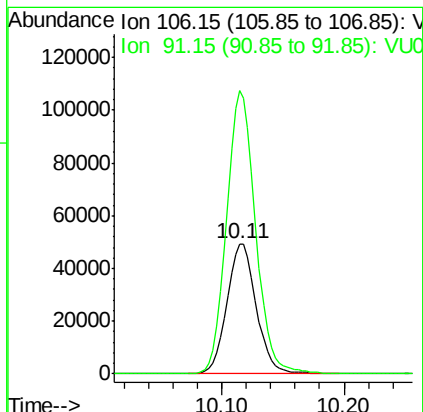
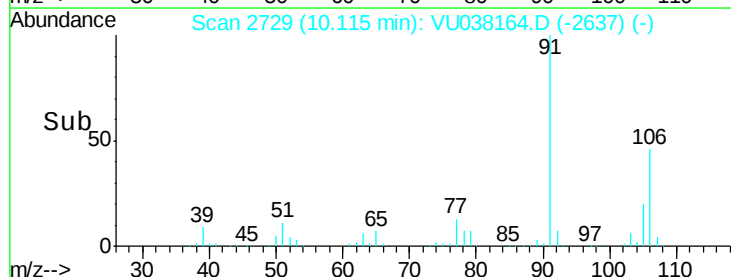
106 100

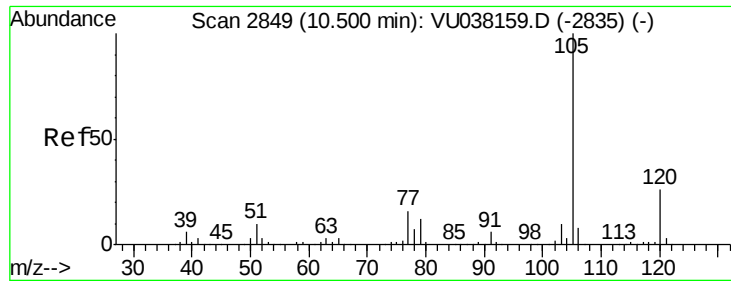
91 217.8 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.637 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038164.D

Acq: 14 May 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

BFX10DL

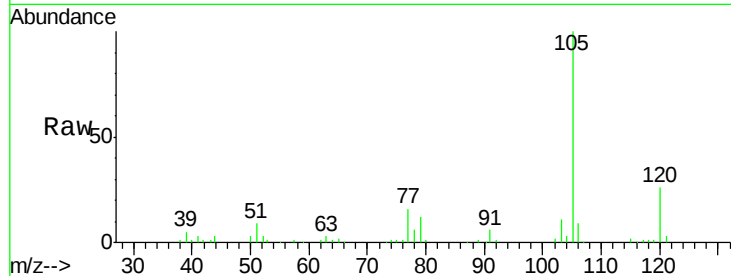
Tot Ion:105 Resp: 75264

Ion Ratio Lower Upper

105 100

120 25.0 21.0 31.6

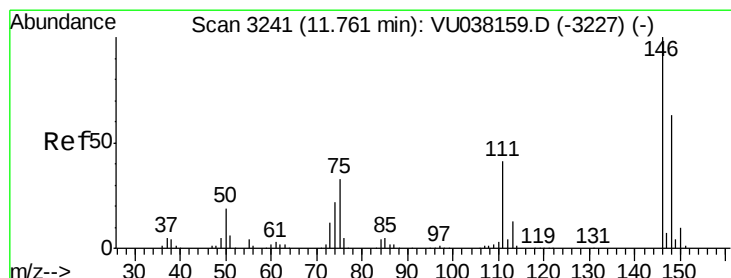
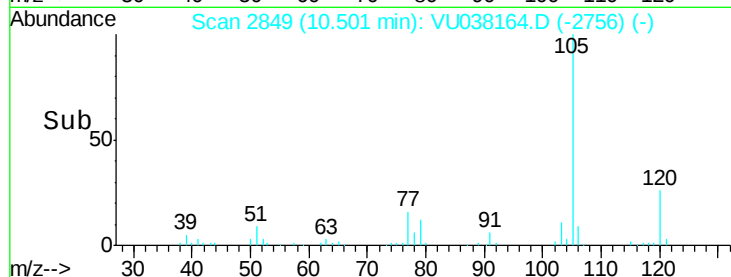
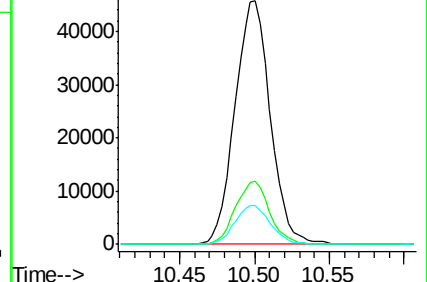
77 16.0 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#62

1,3-Dichlorobenzene

Concen: 0.910 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038164.D

Acq: 14 May 2020 13:14

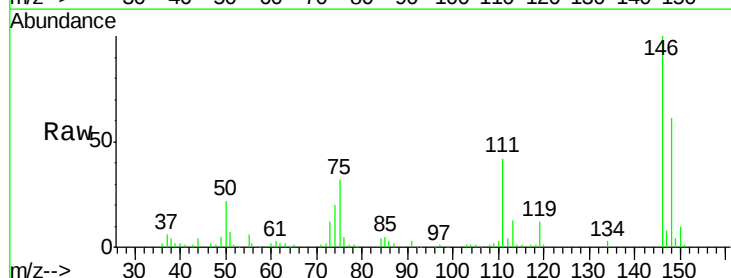
Tgt Ion:146 Resp: 50228

Ion Ratio Lower Upper

146 100

111 42.0 28.6 53.2

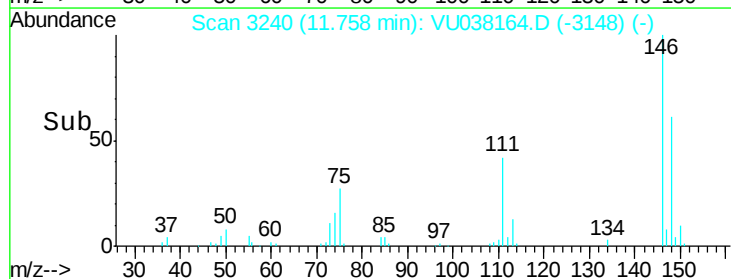
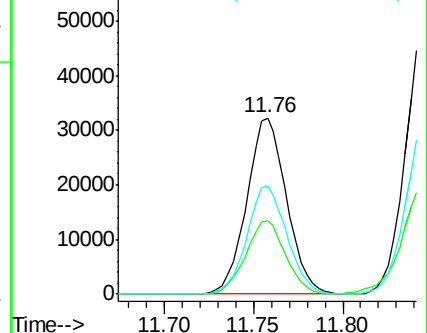
148 61.3 45.2 84.0

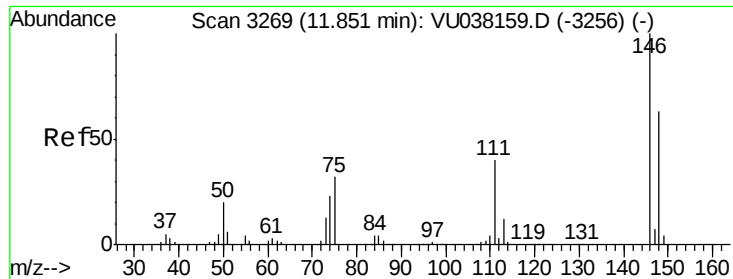


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

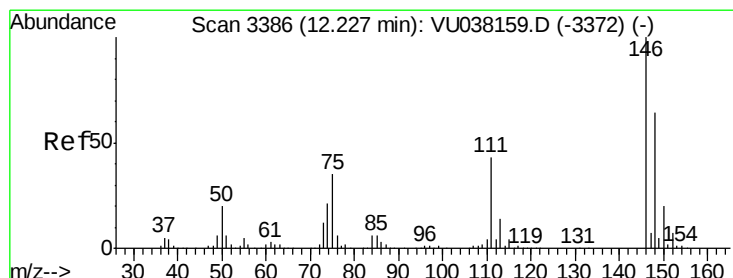
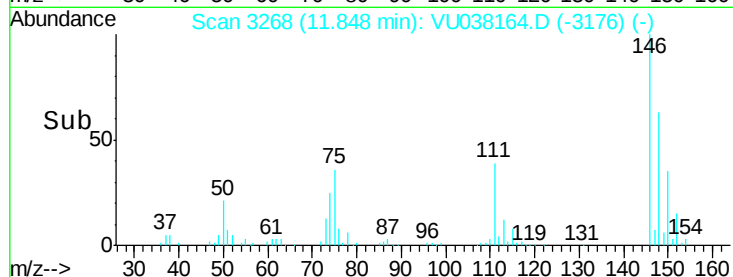
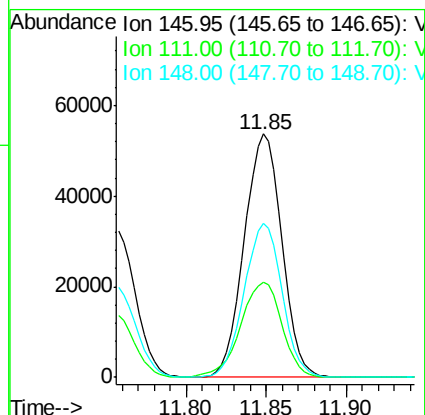
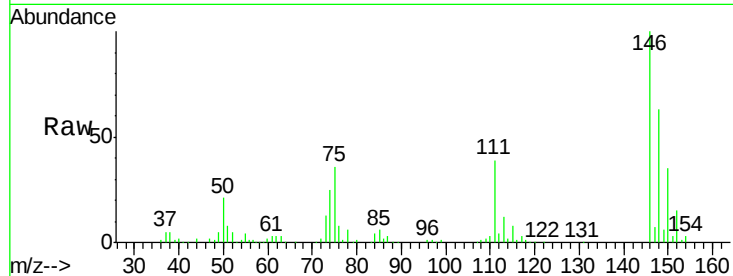




#63
 1,4-Dichlorobenzene
 Concen: 1.544 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038164.D
 Acq: 14 May 2020 13:14

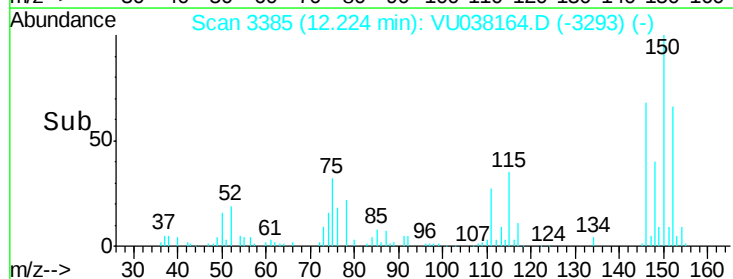
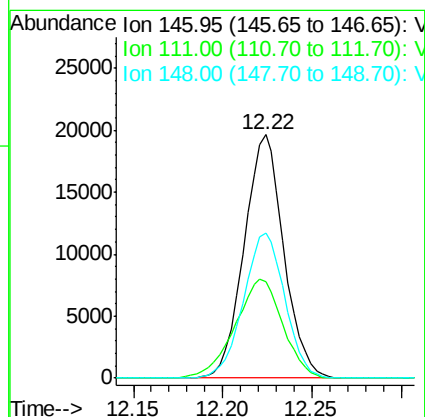
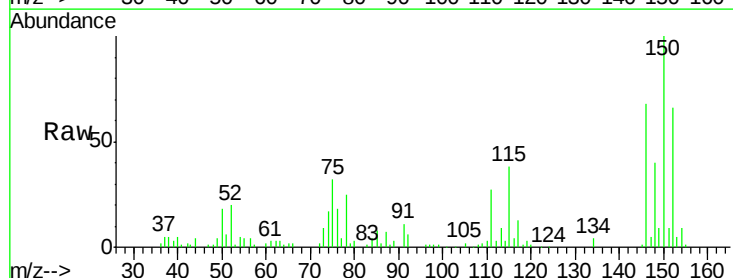
Instrument :
 MSVOA_U
 ClientSampleId :
 BFX10DL

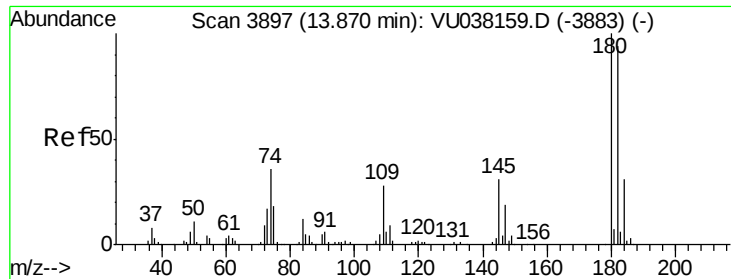
Tot Ion:146 Resp: 86313
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.2 50.6
 148 63.5 43.8 81.3



#65
 1,2-Dichlorobenzene
 Concen: 0.573 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038164.D
 Acq: 14 May 2020 13:14

Tgt Ion:146 Resp: 30442
 Ion Ratio Lower Upper
 146 100
 111 39.6 35.3 52.9
 148 59.5 51.0 76.4

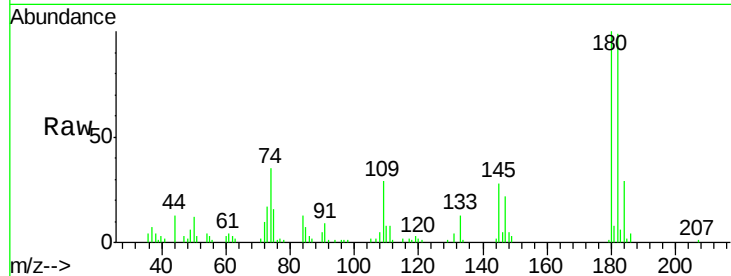




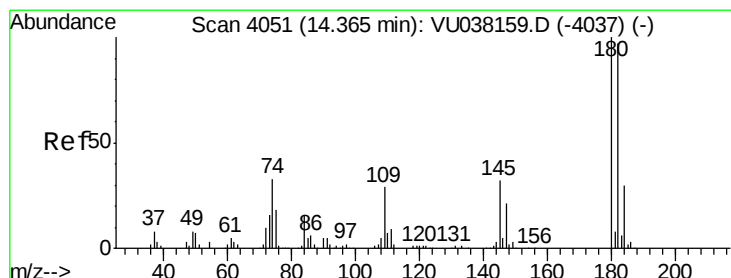
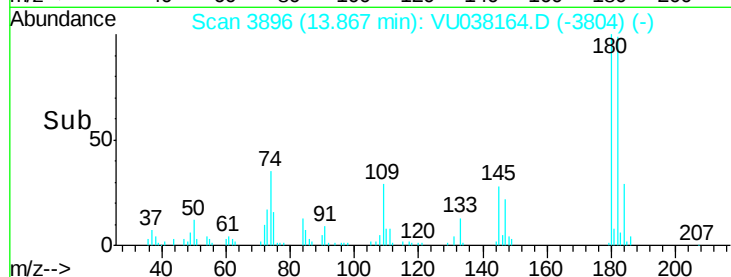
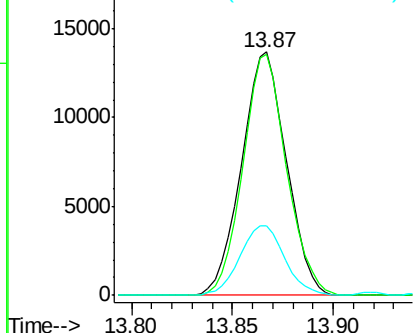
#68
 1,2,4-trichlorobenzene
 Concen: 0.587 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU038164.D
 Acq: 14 May 2020 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX10DL

Tot Ion:180 Resp: 21323
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.0 112.6
 145 28.6 24.8 37.2

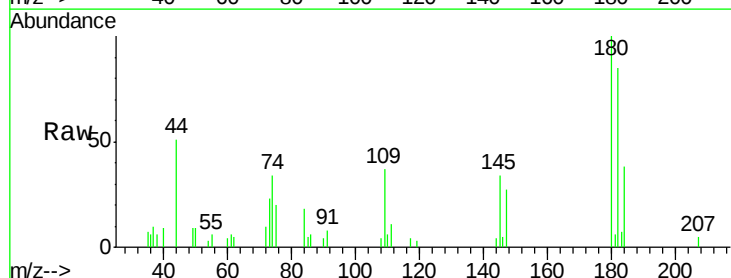


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V



#70
 1,2,3-Trichlorobenzene
 Concen: 0.167 ug/L
 RT: 14.36 min Scan# 4049
 Delta R.T. -0.01 min
 Lab File: VU038164.D
 Acq: 14 May 2020 13:14

Tgt Ion:180 Resp: 5631
 Ion Ratio Lower Upper
 180 100
 182 88.7 76.3 114.5
 145 33.1 26.1 39.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

