

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U052720\
 Data File : VU038322.D
 Acq On : 27 May 2020 15:46
 Operator : JC/MD
 Sample : L2749-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 28 04:19:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 04:16:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	304936	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	298810	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	151014	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	86759	3.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.20%
7) Chloroethane-d5	1.93	69	84400	3.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.00%
11) 1,1-Dichloroethene-d2	2.59	63	138997	2.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.60%#
20) 2-Butanone-d5	4.66	46	347089	50.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.88%
24) Chloroform-d	5.10	84	197729	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.74	65	118604	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.76	84	412069	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.72	67	130737	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	7.92	98	364409	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	8.20	79	50453	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.66	63	274784	50.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.54%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	111551	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	150431	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

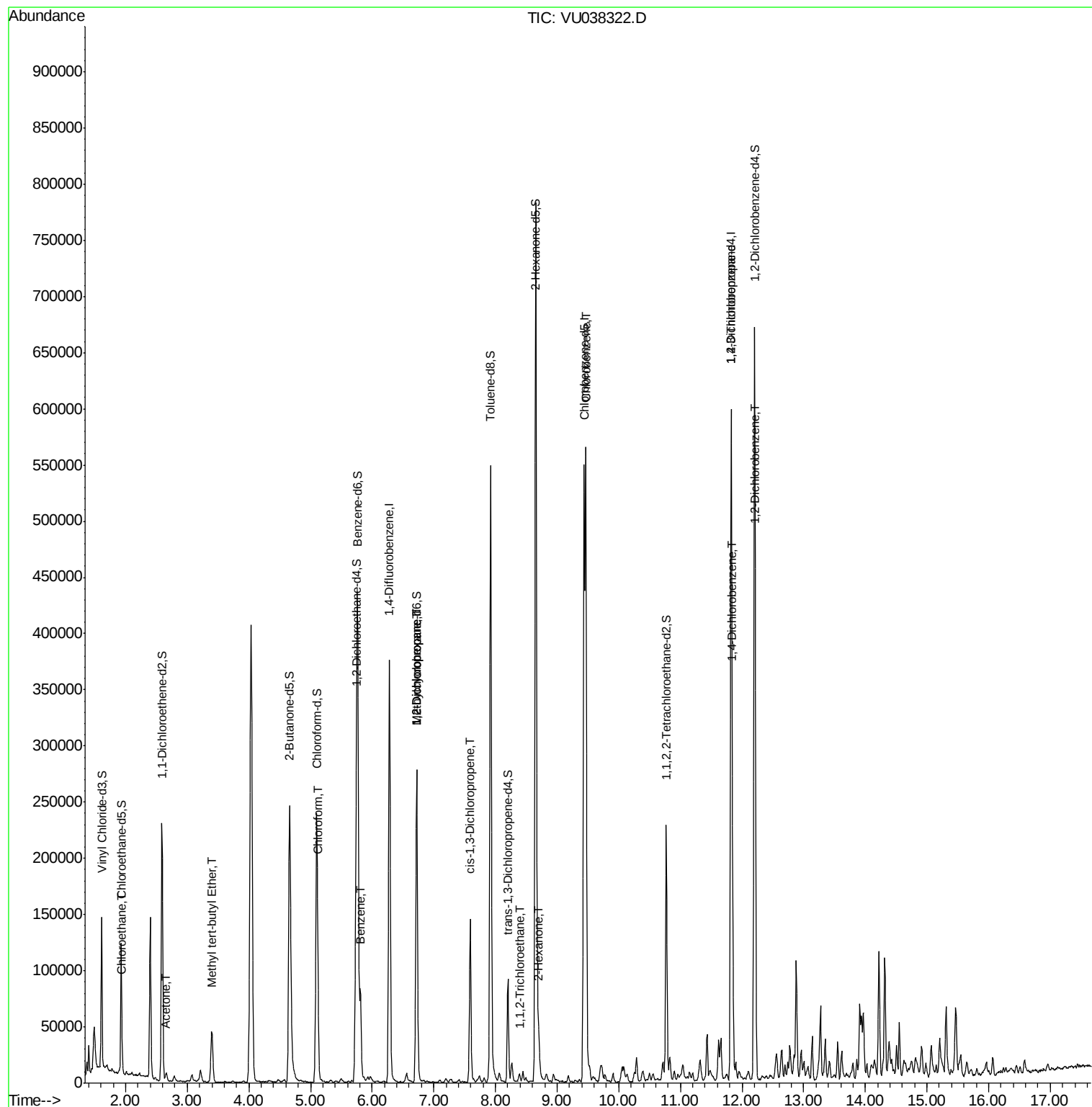
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	3125	0.154	ug/L	85
13) Acetone	2.65	43	5799	1.343	ug/L	96
17) Methyl tert-butyl Ether	3.40	73	47849	0.814	ug/L	96
25) Chloroform	5.12	83	8200	0.195	ug/L	89
33) Benzene	5.81	78	74943	0.783	ug/L	100
35) Methylcyclohexane	6.72	83	31858	0.822	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	14291	0.550	ug/L #	91
39) cis-1,3-Dichloropropene	7.59	75	3535	0.095	ug/L #	41
45) 1,1,2-Trichloroethane	8.39	97	2663	0.148	ug/L #	20
48) 2-Hexanone	8.71	43	19911	1.509	ug/L	91
51) Chlorobenzene	9.47	112	292569	4.667	ug/L	97
59) 1,2,3-Trichloropropane	11.83	75	18642	1.069	ug/L #	83
63) 1,4-Dichlorobenzene	11.85	146	51219	1.029	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	14860	0.314	ug/L	96

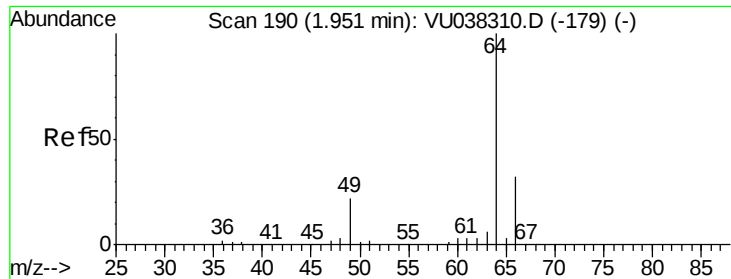
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU052720\
Data File : VU038322.D
Acq On : 27 May 2020 15:46
Operator : JC/MD
Sample : L2749-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: May 28 04:19:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 28 04:16:01 2020
Response via : Initial Calibration

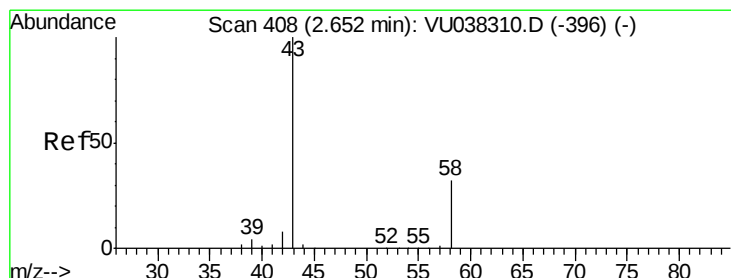
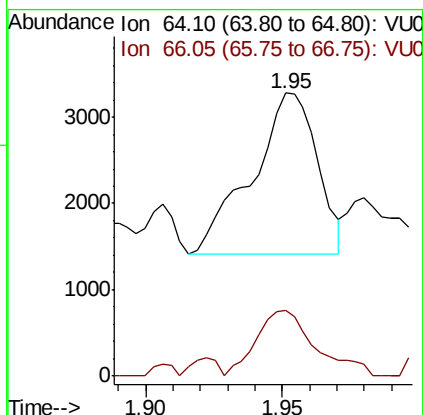
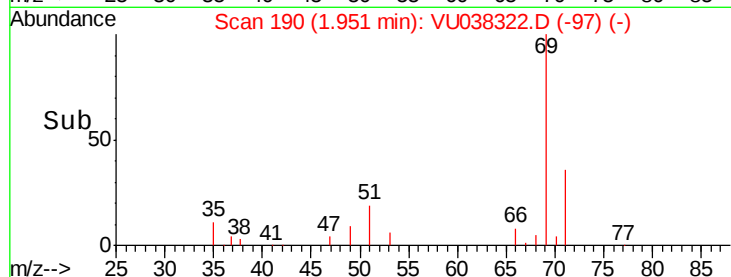
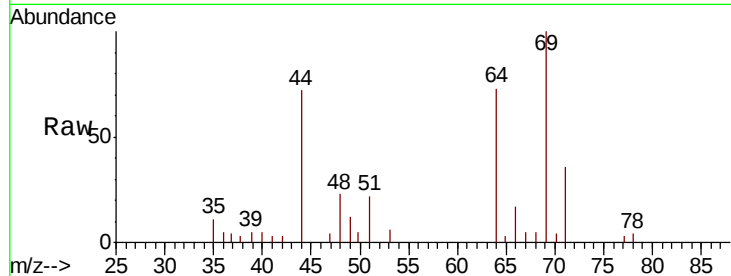




#8
Chloroethane
Concen: 0.154 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU038322.D
Acq: 27 May 2020 15:46

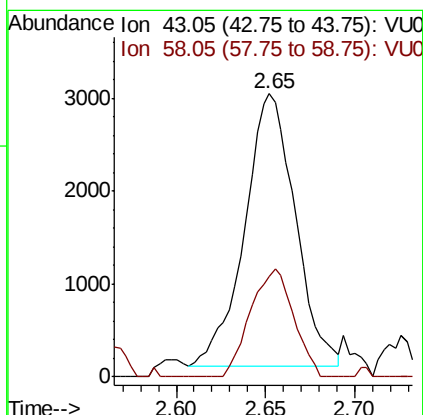
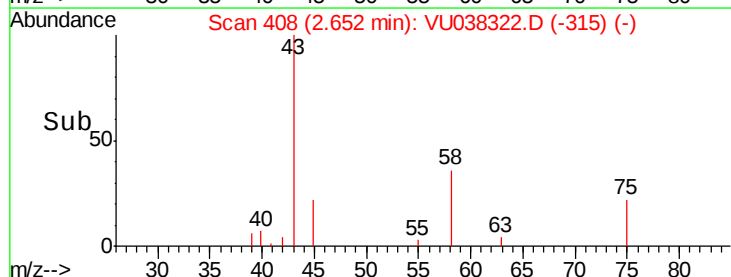
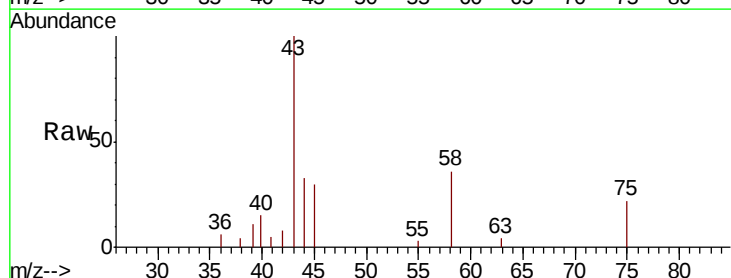
Instrument :
MSVOA_U
ClientSampleId :

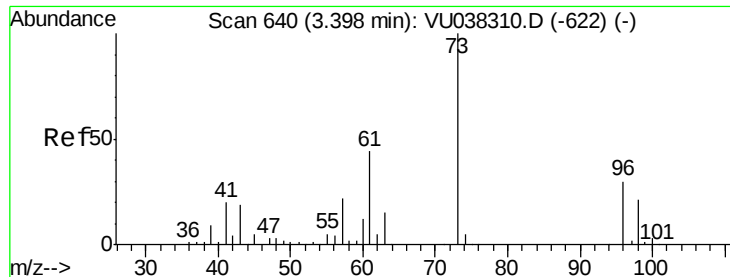
Tot Ion: 64 Resp: 3125
Ion Ratio Lower Upper
64 100
66 23.1 21.8 40.4



#13
Acetone
Concen: 1.343 ug/L
RT: 2.65 min Scan# 408
Delta R.T. 0.00 min
Lab File: VU038322.D
Acq: 27 May 2020 15:46

Tgt Ion: 43 Resp: 5799
Ion Ratio Lower Upper
43 100
58 33.9 0.0 63.6

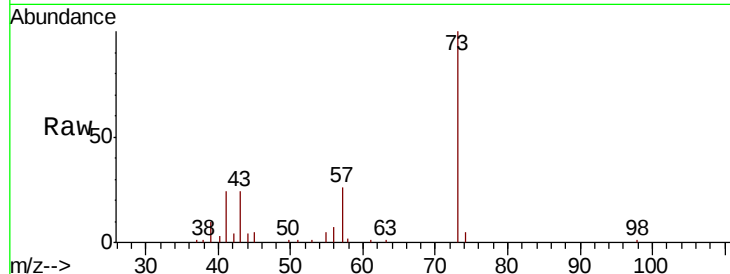




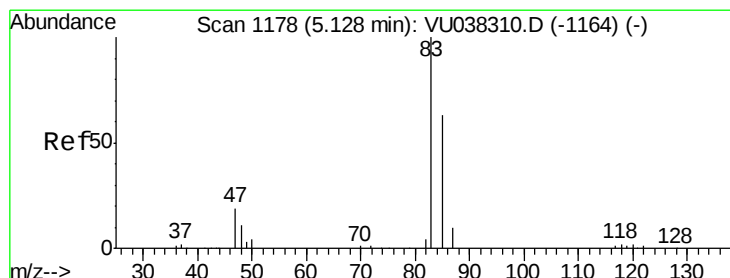
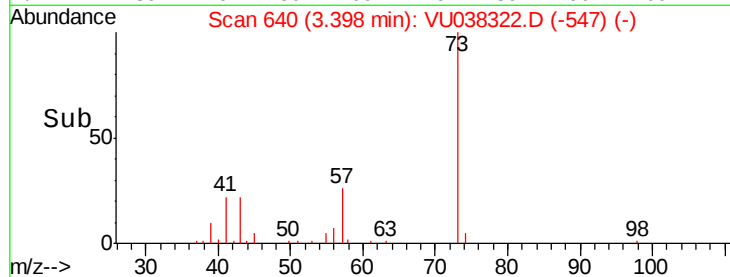
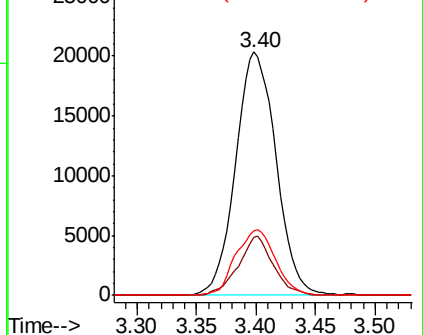
#17
Methvl tert-butvl Ether
Concen: 0.814 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU038322.D
Acq: 27 May 2020 15:46

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 47849
Ion Ratio Lower Upper
73 100
43 20.9 16.9 25.3
57 26.4 18.2 27.2

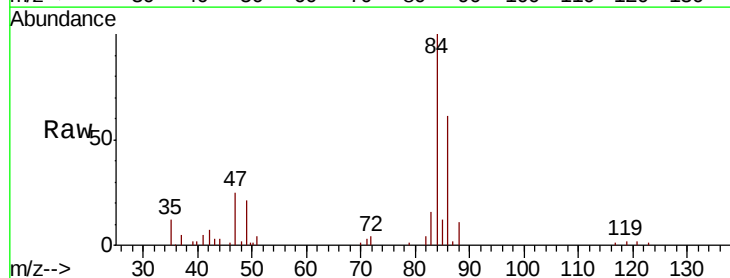


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

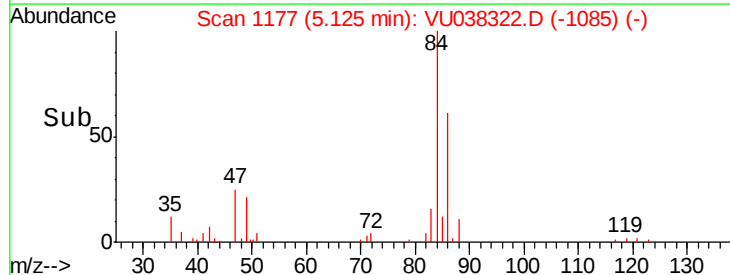
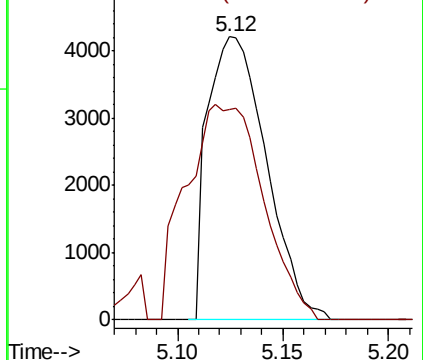


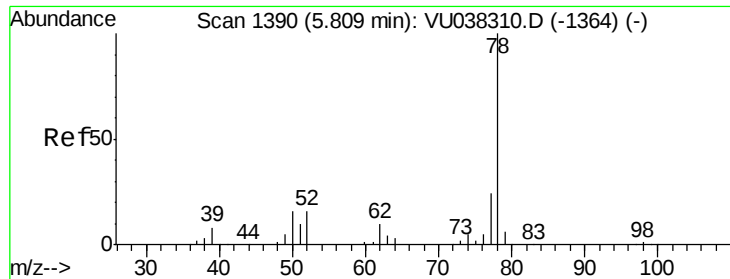
#25
Chloroform
Concen: 0.195 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038322.D
Acq: 27 May 2020 15:46

Tgt Ion: 83 Resp: 8200
Ion Ratio Lower Upper
83 100
85 74.5 46.2 85.8



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





#33

Benzene

Concen: 0.783 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038322.D

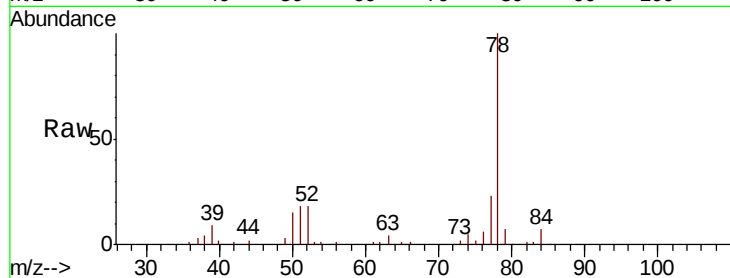
Acq: 27 May 2020 15:46

Instrument :

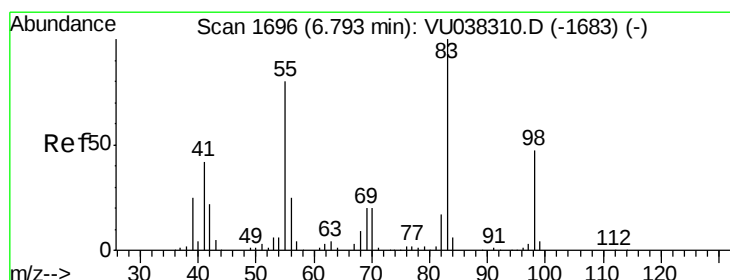
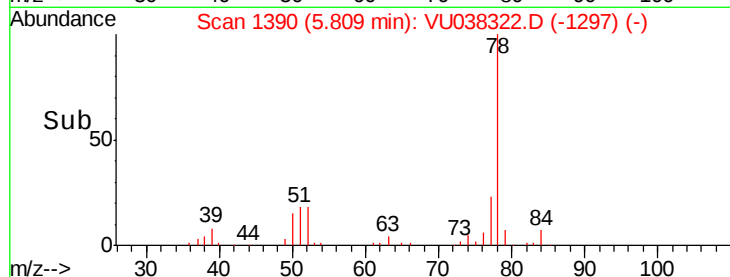
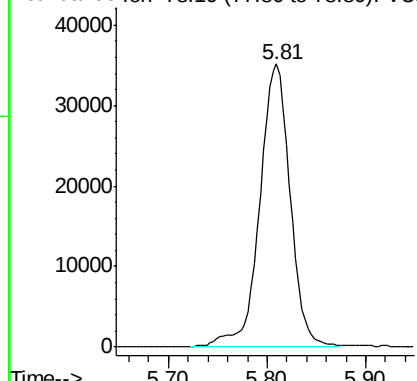
MSVOA_U

ClientSampled :

Tgt Ion: 78 Resp: 74943



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.822 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU038322.D

Acq: 27 May 2020 15:46

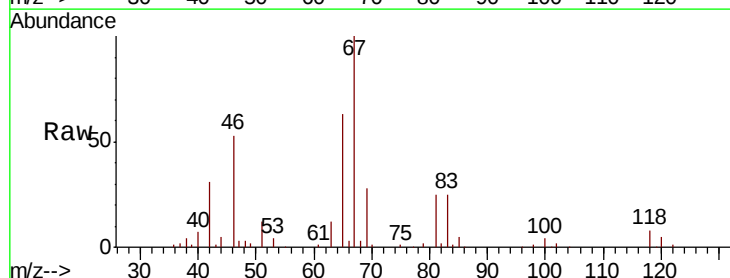
Tgt Ion: 83 Resp: 31858

Ion Ratio Lower Upper

83 100

55 0.1 66.7 100.1#

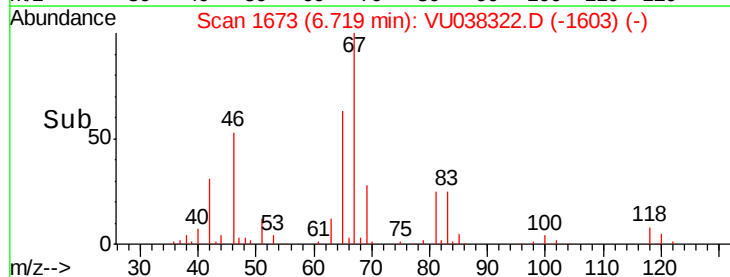
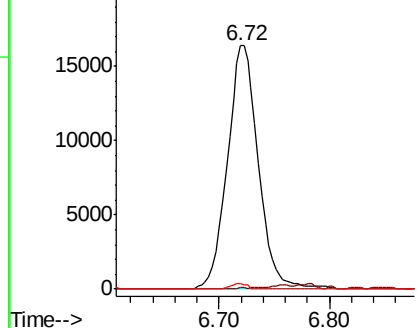
98 1.2 39.4 59.2#

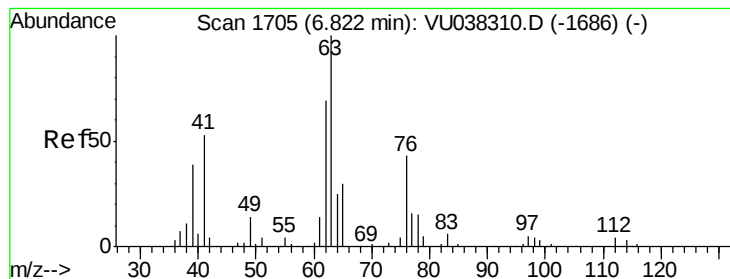


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.550 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU038322.D

Acq: 27 May 2020 15:46

Instrument :

MSVOA_U

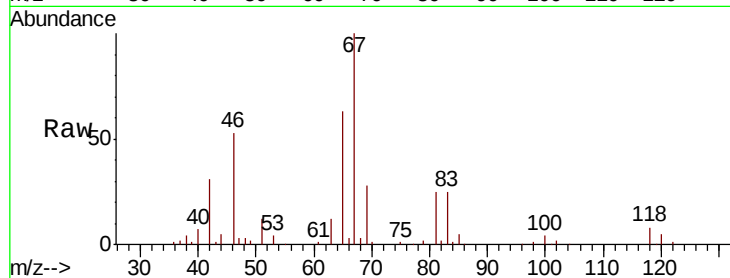
ClientSampled :

Tot Ion: 63 Resp: 14291

Ion Ratio Lower Upper

63 100

112 1.1 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU038310.D (-1686) (-)

Ion 112.10 (111.80 to 112.80): VU038310.D (-1686) (-)

6.72

8000

6000

4000

2000

0

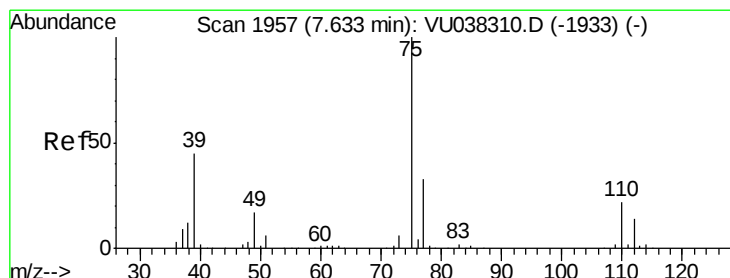
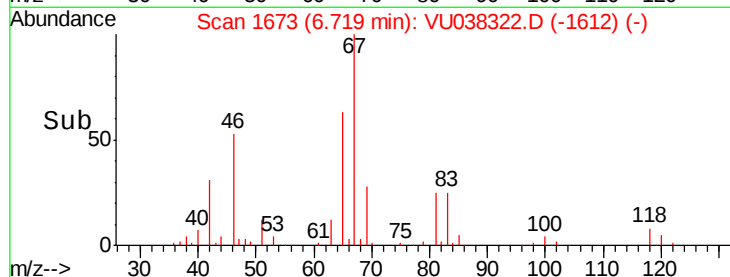
6.65

6.70

6.75

6.80

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU038322.D

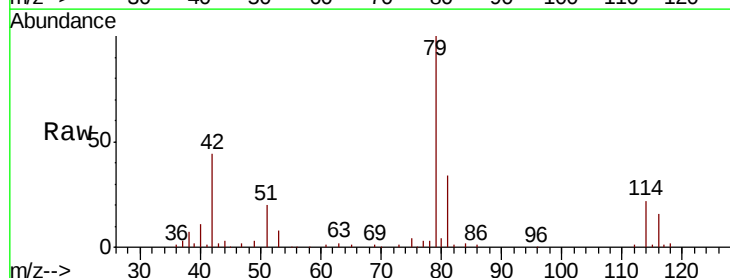
Acq: 27 May 2020 15:46

Tgt Ion: 75 Resp: 3535

Ion Ratio Lower Upper

75 100

77 65.0 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VU038310.D (-1933) (-)

Ion 77.05 (76.75 to 77.75): VU038310.D (-1933) (-)

7.59

2000

1500

1000

500

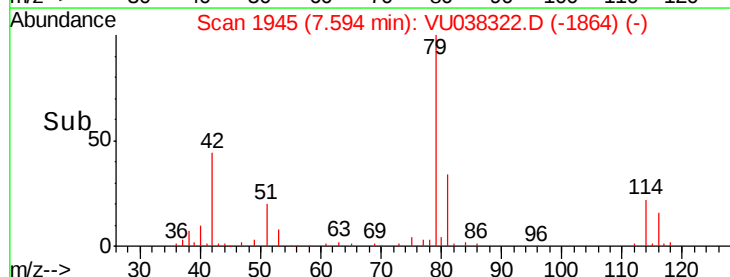
0

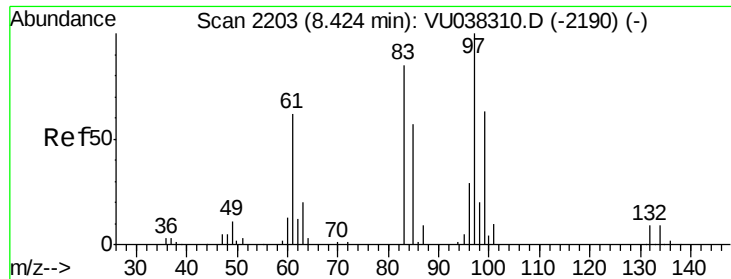
7.55

7.60

7.65

Time-->

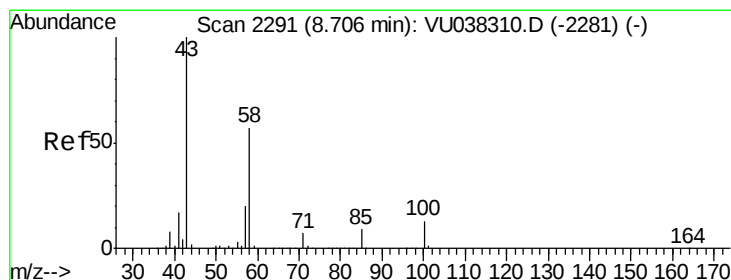
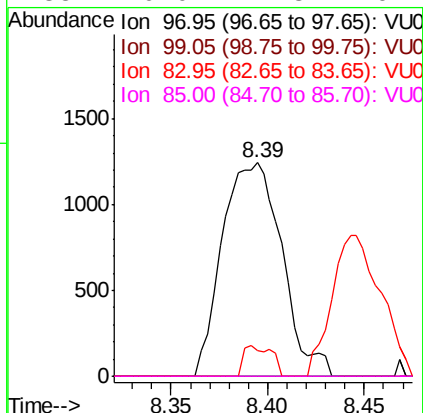
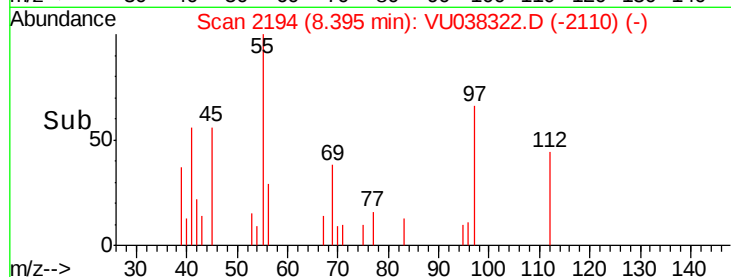
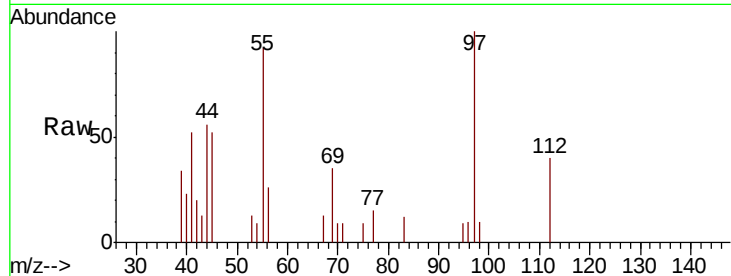




#45
 1,1,2-Trichloroethane
 Concen: 0.148 ug/L
 RT: 8.39 min Scan# 2194
 Delta R.T. -0.03 min
 Lab File: VU038322.D
 Acq: 27 May 2020 15:46

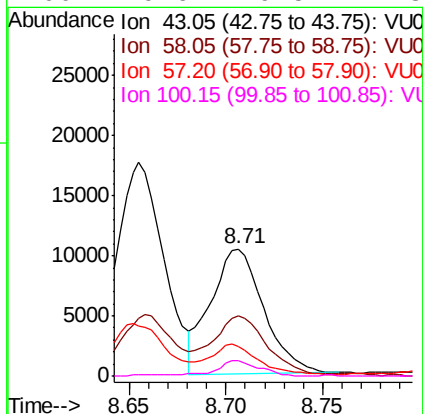
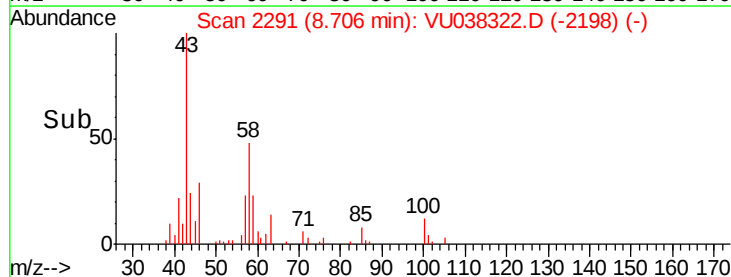
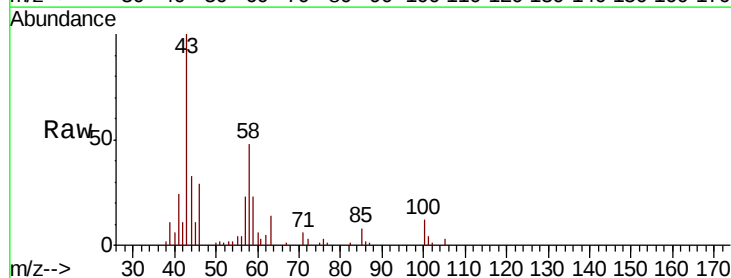
Instrument :
 MSVOA_U
 ClientSampleId :

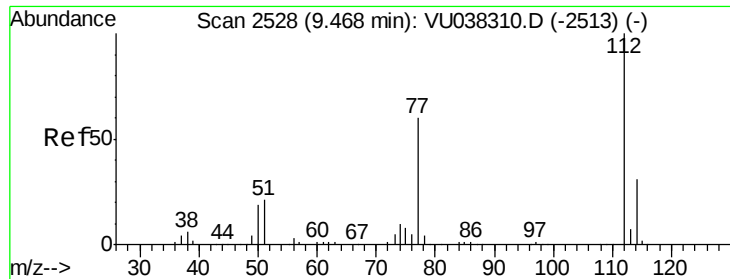
Tot Ion: 97 Resp: 2663
 Ion Ratio Lower Upper
 97 100
 99 0.0 44.0 81.6#
 83 12.1 59.6 110.8#
 85 0.0 41.3 76.7#



#48
 2-Hexanone
 Concen: 1.509 ug/L
 RT: 8.71 min Scan# 2291
 Delta R.T. 0.00 min
 Lab File: VU038322.D
 Acq: 27 May 2020 15:46

Tgt Ion: 43 Resp: 19911
 Ion Ratio Lower Upper
 43 100
 58 48.7 45.2 67.8
 57 21.8 15.5 23.3
 100 9.6 9.5 14.3





#51

Chlorobenzene

Concen: 4.667 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038322.D

Acq: 27 May 2020 15:46

Instrument :

MSVOA_U

ClientSampled :

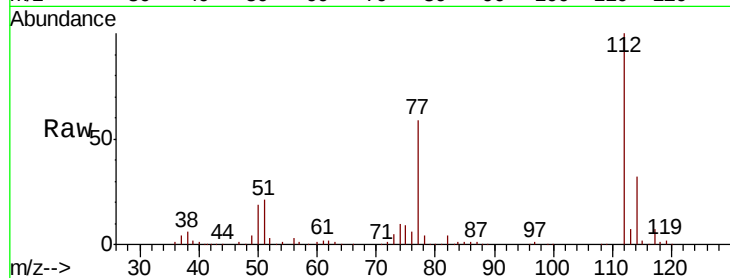
Tot Ion:112 Resp: 292569

Ion Ratio Lower Upper

112 100

114 31.5 22.5 41.7

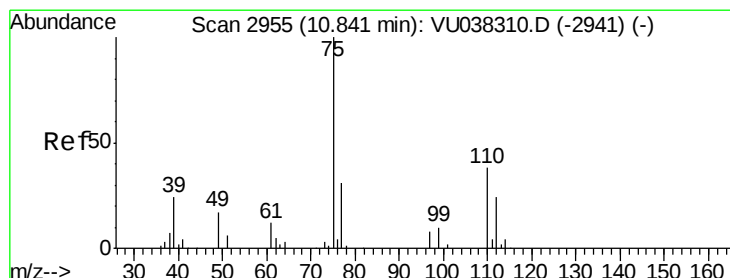
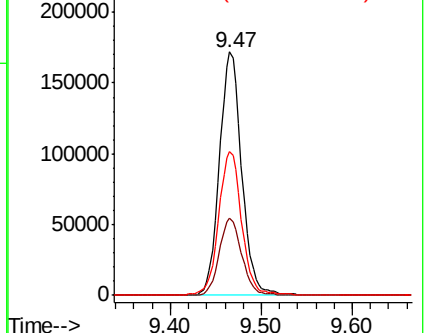
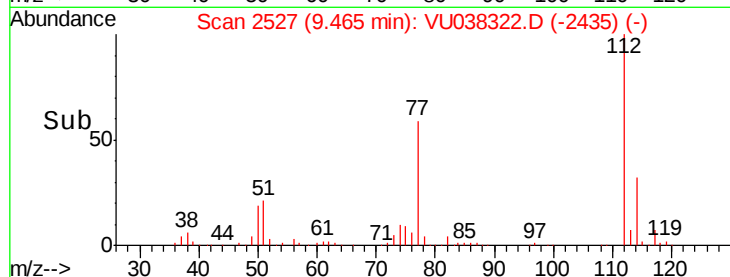
77 59.1 49.9 74.9



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



#59

1,2,3-Trichloropropane

Concen: 1.069 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU038322.D

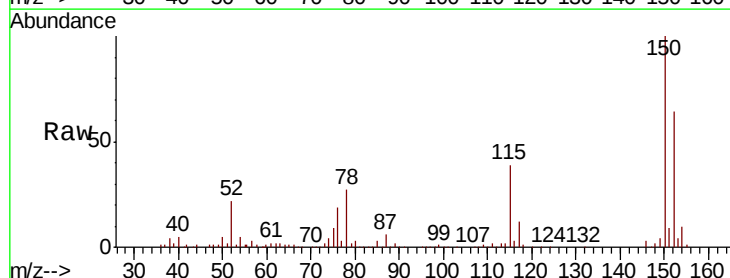
Acq: 27 May 2020 15:46

Tgt Ion: 75 Resp: 18642

Ion Ratio Lower Upper

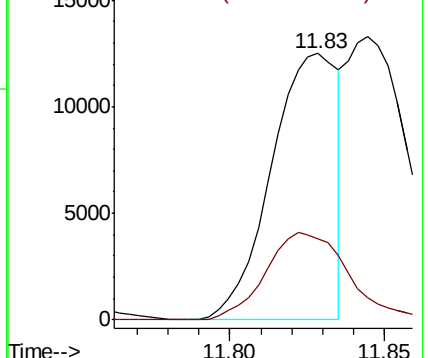
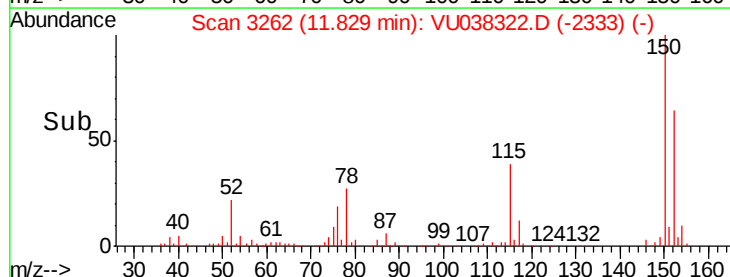
75 100

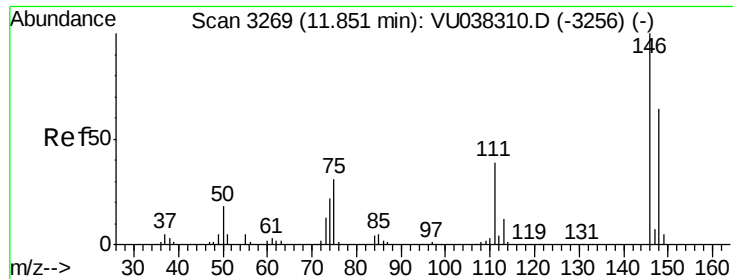
77 40.9 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

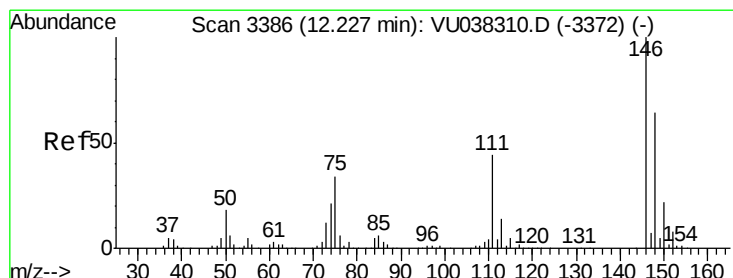
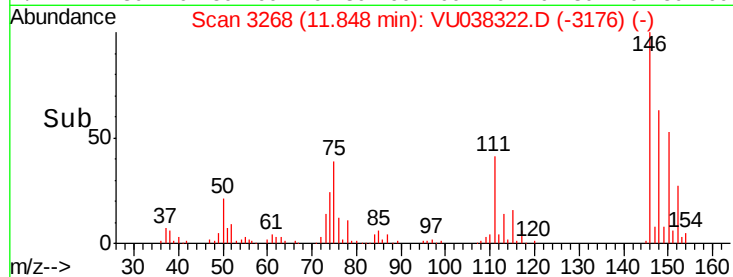
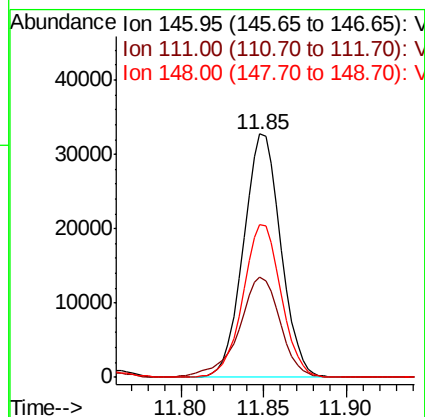
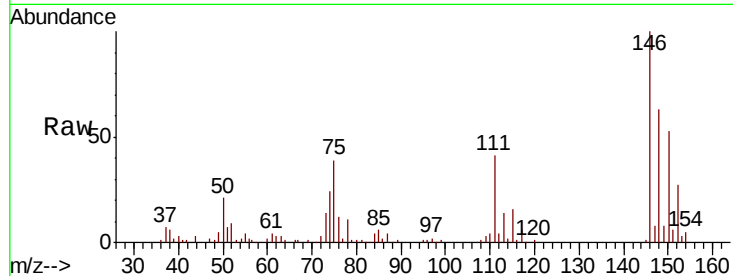




#63
 1,4-Dichlorobenzene
 Concen: 1.029 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038322.D
 Acq: 27 May 2020 15:46

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 51219
 Ion Ratio Lower Upper
 146 100
 111 41.1 27.2 50.6
 148 62.9 43.8 81.3



#65
 1,2-Dichlorobenzene
 Concen: 0.314 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038322.D
 Acq: 27 May 2020 15:46

Tgt Ion:146 Resp: 14860
 Ion Ratio Lower Upper
 146 100
 111 49.9 35.3 52.9
 148 63.8 51.0 76.4

