

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060420\
 Data File : VU038518.D
 Acq On : 03 Jun 2020 17:03
 Operator : SY/MD
 Sample : L2873-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETTM6

Quant Time: Jun 04 02:30:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 04 01:48:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	299707	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	295150	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	141380	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	101274	5.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.40%
7) Chloroethane-d5	1.93	69	59250	3.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.40%
11) 1,1-Dichloroethene-d2	2.60	63	167876	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.00%
20) 2-Butanone-d5	4.68	46	371017	62.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.92%
24) Chloroform-d	5.10	84	176901	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.74	65	109397	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
32) Benzene-d6	5.76	84	335805	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.72	67	111237	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.92	98	279176	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
43) trans-1,3-Dichloropropene-	8.20	79	44965	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.65	63	306176	63.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.26%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	103634	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	124141	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

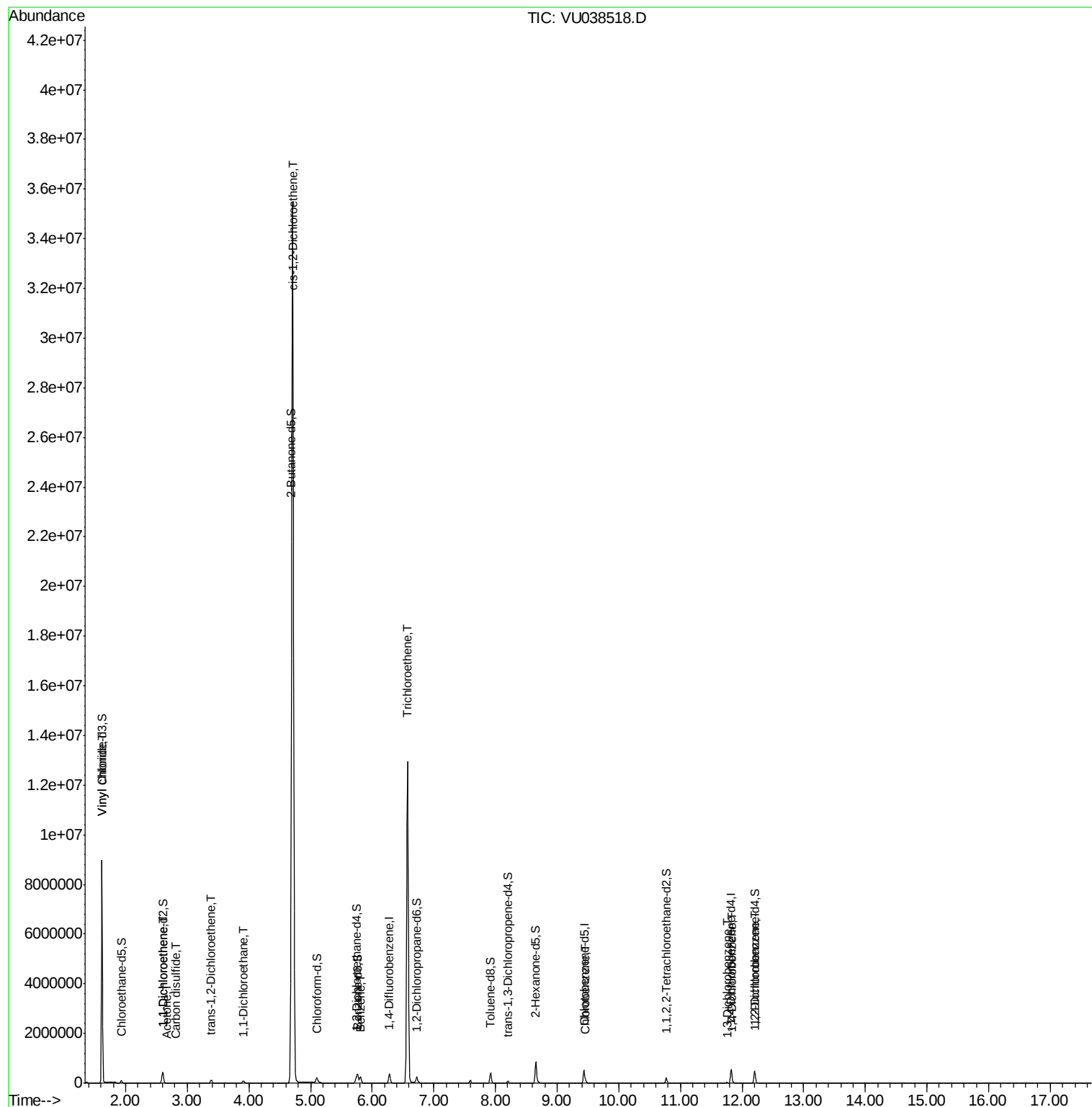
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	5803658	249.702	ug/L	97
12) 1,1-Dichloroethene	2.61	96	124587	6.750	ug/L #	84
13) Acetone	2.68	43	3270	0.848	ug/L	91
14) Carbon disulfide	2.83	76	8246	0.132	ug/L #	92
18) trans-1,2-Dichloroethene	3.39	96	52855	2.657	ug/L	95
19) 1,1-Dichloroethane	3.91	63	92851	2.608	ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	18601363	868.468	ug/L	73
33) Benzene	5.81	78	240632	2.924	ug/L	100
34) Trichloroethene	6.57	95	4424679	207.131	ug/L	99
51) Chlorobenzene	9.47	112	54052	0.971	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	11662	0.281	ug/L	96
63) 1,4-Dichlorobenzene	11.85	146	17288	0.410	ug/L	96
65) 1,2-Dichlorobenzene	12.22	146	16275	0.413	ug/L	96

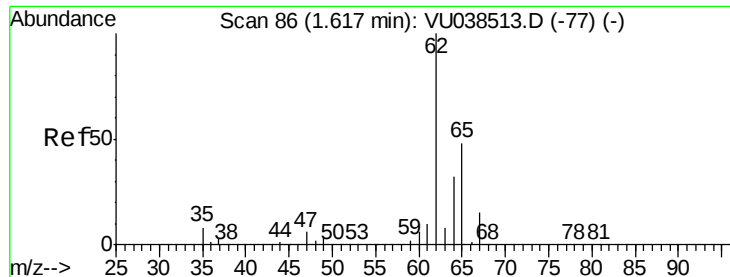
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 04 01:48:03 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 249.702 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038518.D

Acq: 03 Jun 2020 17:03

Instrument :

MSVOA_U

ClientSampleId :

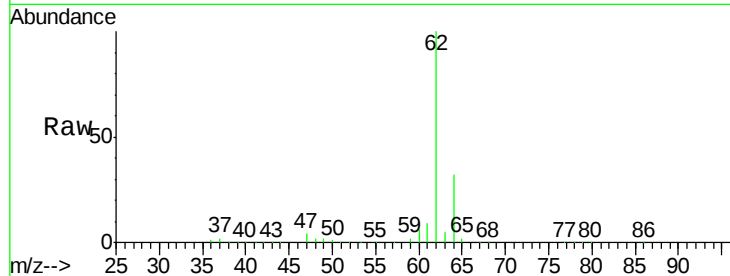
ETTM6

Tot Ion: 62 Resp: 5803658

Ion Ratio Lower Upper

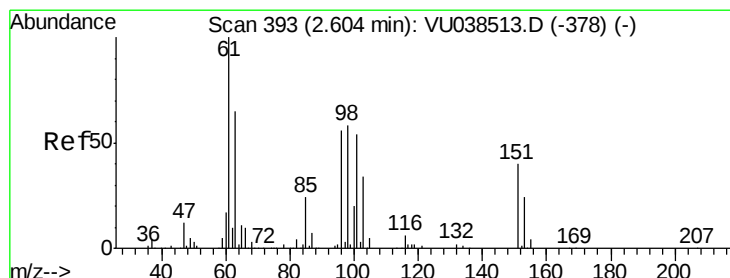
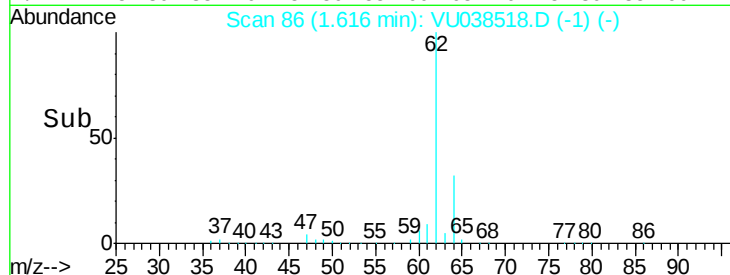
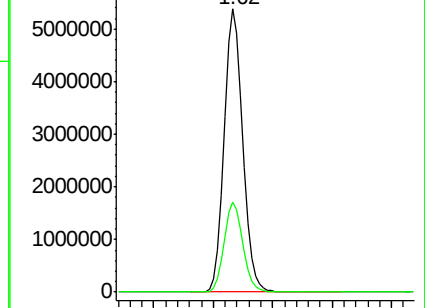
62 100

64 31.9 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 6.750 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038518.D

Acq: 03 Jun 2020 17:03

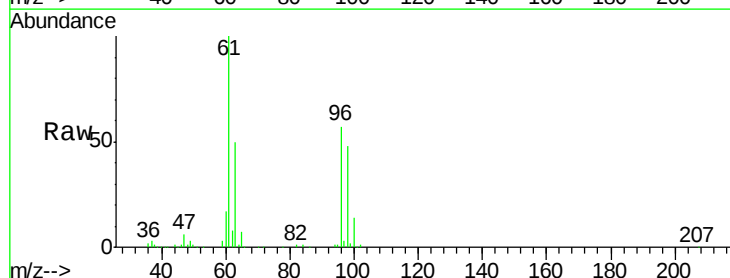
Tgt Ion: 96 Resp: 124587

Ion Ratio Lower Upper

96 100

61 174.9 119.9 222.7

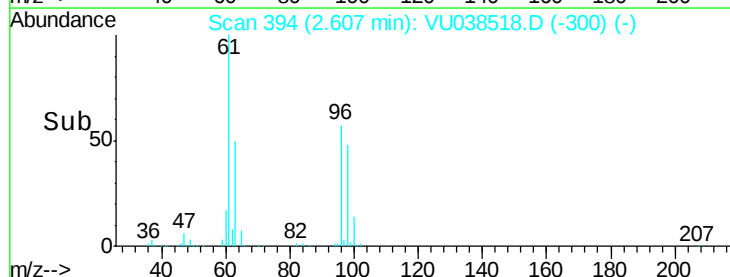
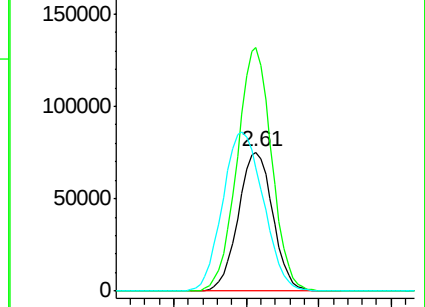
63 88.3 89.9 167.0#

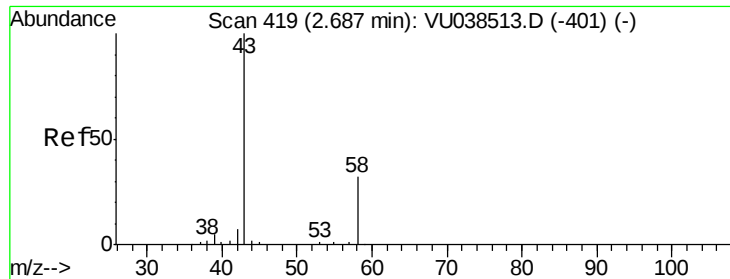


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.848 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

Lab File: VU038518.D

Acq: 03 Jun 2020 17:03

Instrument :

MSVOA_U

ClientSampleId :

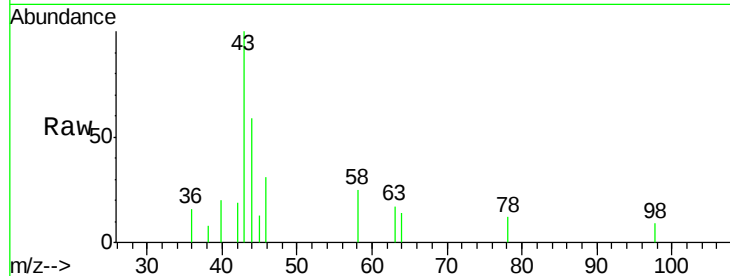
ETTM6

Tot Ion: 43 Resp: 3270

Ion Ratio Lower Upper

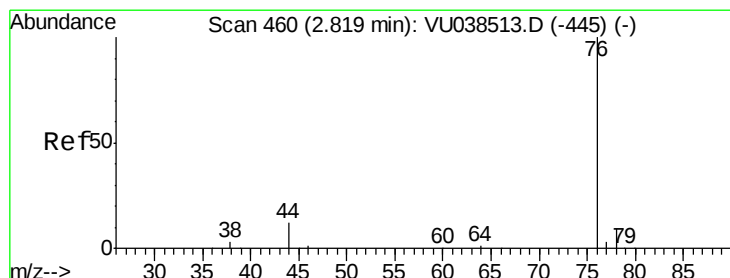
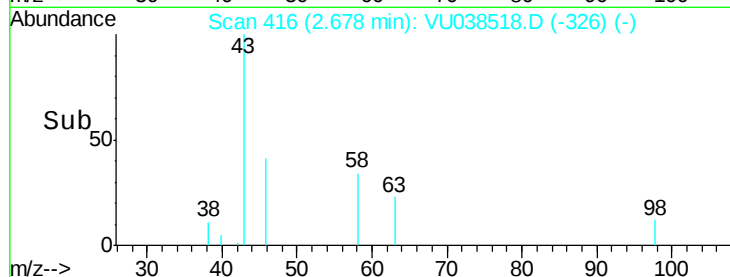
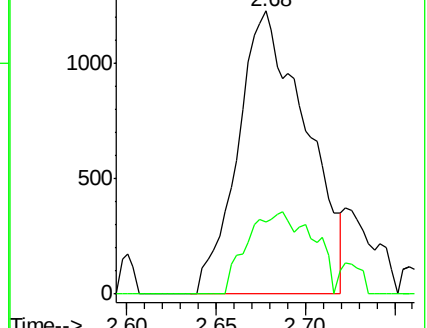
43 100

58 28.0 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038518.D (-326) (-)

Ion 58.05 (57.75 to 58.75): VU038518.D (-326) (-)



#14

Carbon disulfide

Concen: 0.132 ug/L

RT: 2.83 min Scan# 464

Delta R.T. 0.01 min

Lab File: VU038518.D

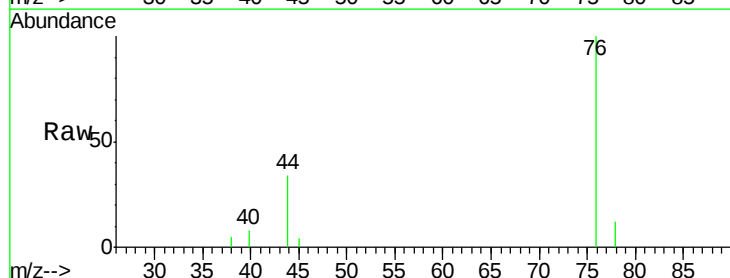
Acq: 03 Jun 2020 17:03

Tgt Ion: 76 Resp: 8246

Ion Ratio Lower Upper

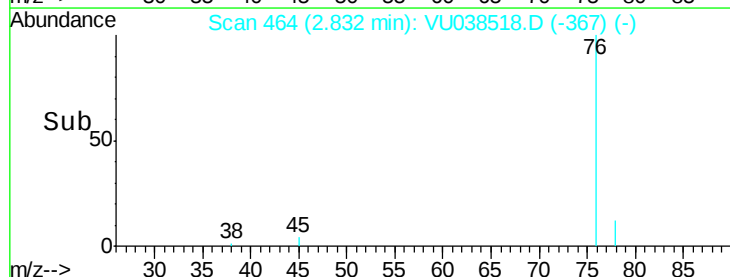
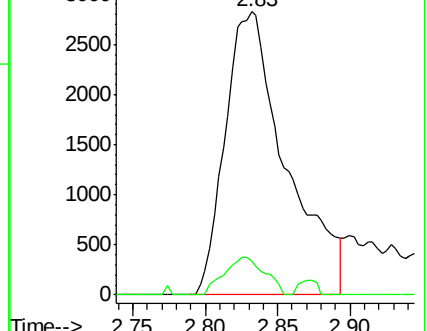
76 100

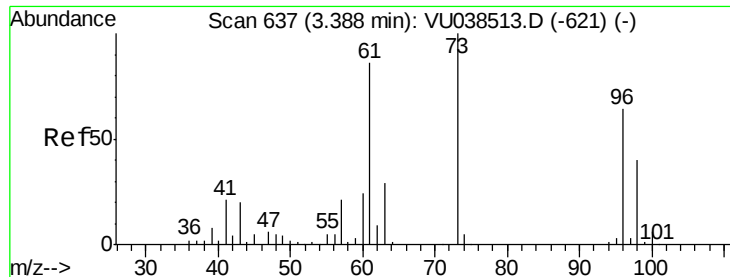
78 12.0 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VU038518.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU038518.D (-367) (-)

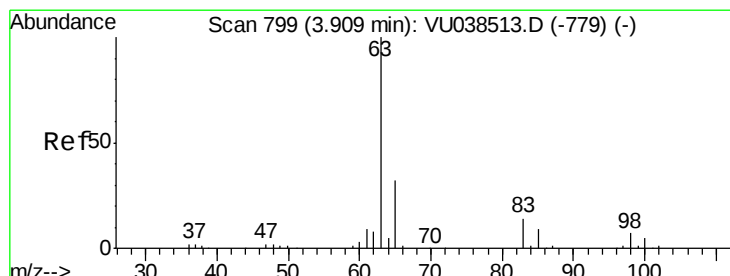
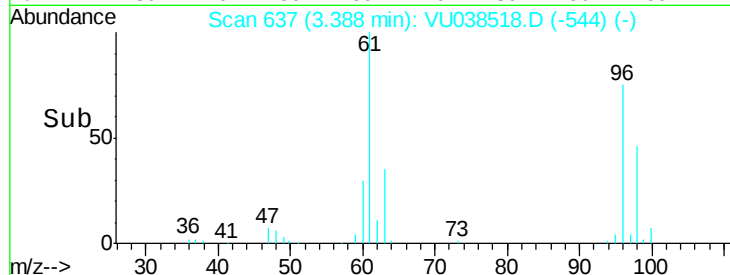
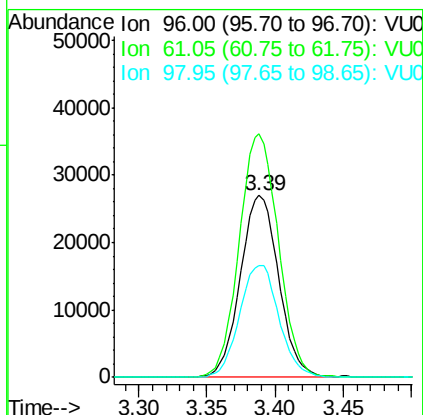
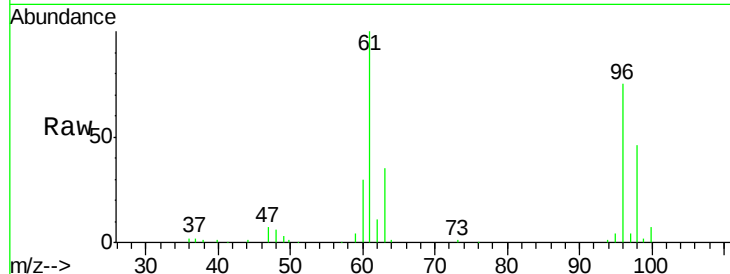




#18
trans-1,2-Dichloroethene
Concen: 2.657 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038518.D
Acq: 03 Jun 2020 17:03

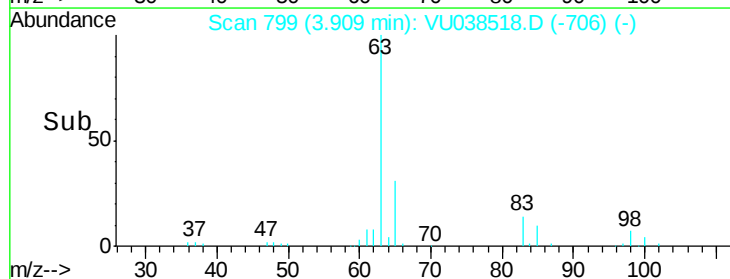
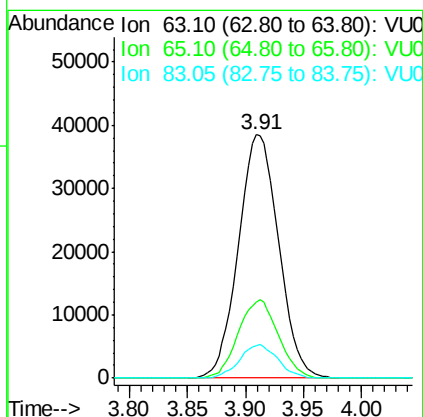
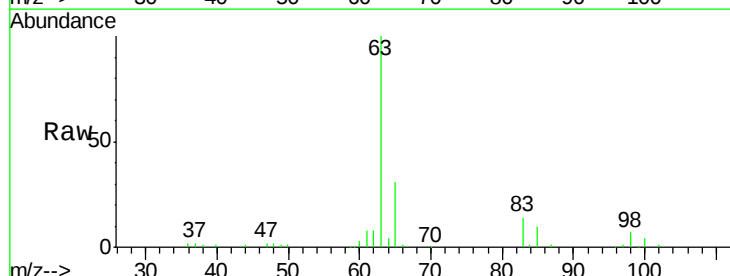
Instrument :
MSVOA_U
ClientSampleId :
ETTM6

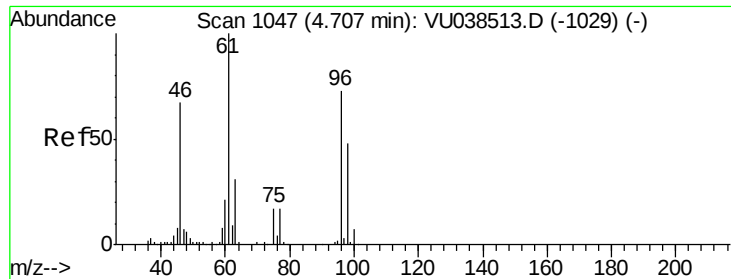
Tot Ion: 96 Resp: 52855
Ion Ratio Lower Upper
96 100
61 133.8 100.2 186.0
98 61.5 42.8 79.4



#19
1,1-Dichloroethane
Concen: 2.608 ug/L
RT: 3.91 min Scan# 799
Delta R.T. -0.00 min
Lab File: VU038518.D
Acq: 03 Jun 2020 17:03

Tgt Ion: 63 Resp: 92851
Ion Ratio Lower Upper
63 100
65 31.3 22.3 41.5
83 13.5 10.4 19.4





#22

cis-1,2-Dichloroethene

Concen: 868.468 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU038518.D

Acq: 03 Jun 2020 17:03

Instrument :

MSVOA_U

ClientSampleId :

ETTM6

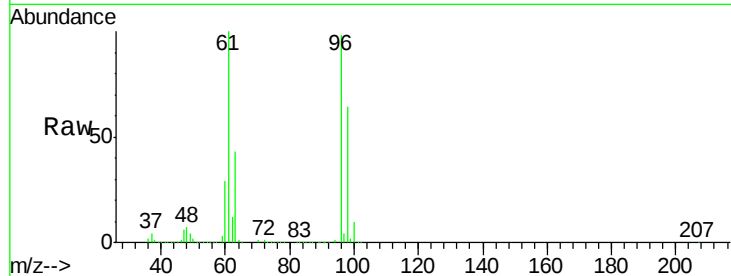
Tot Ion: 96 Resp:18601363

Ion Ratio Lower Upper

96 100

61 101.7 94.0 174.6

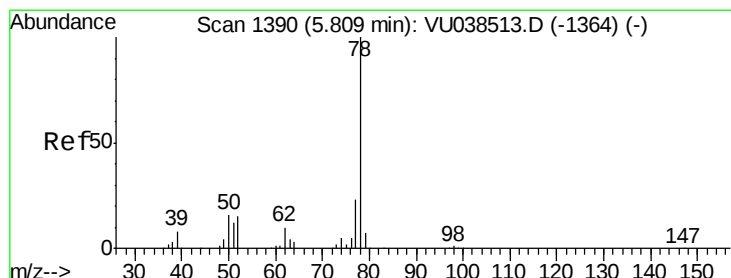
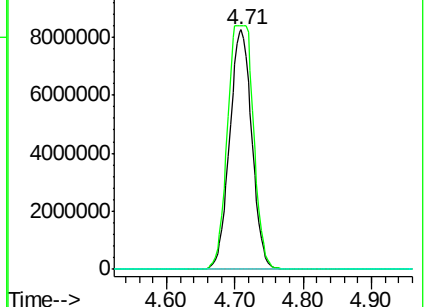
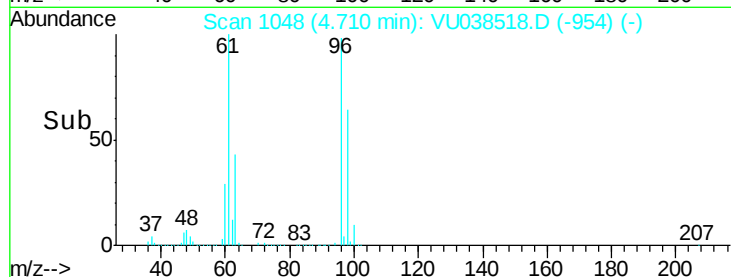
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038518.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038518.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038518.D (-954) (-)



#33

Benzene

Concen: 2.924 ug/L

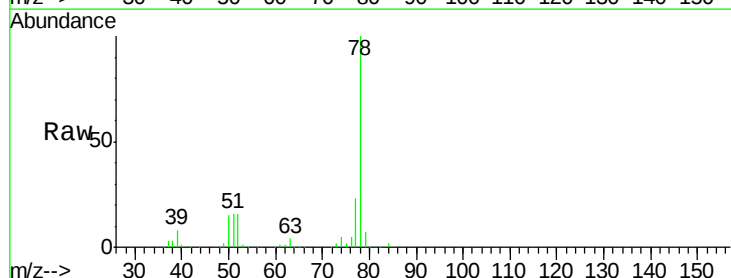
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

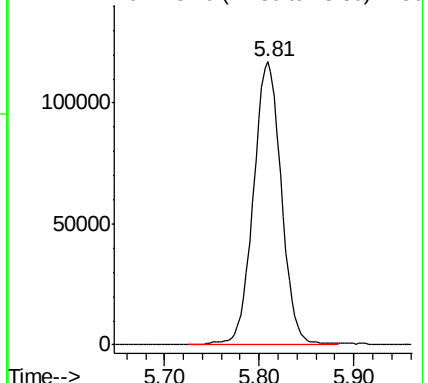
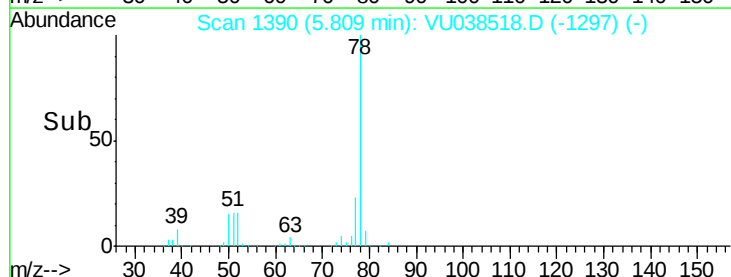
Lab File: VU038518.D

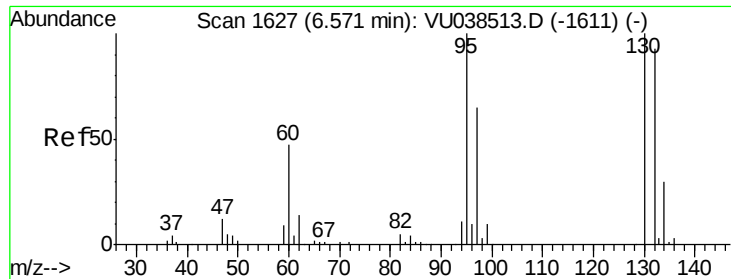
Acq: 03 Jun 2020 17:03

Tgt Ion: 78 Resp: 240632



Abundance Ion 78.10 (77.80 to 78.80): VU038518.D (-1297) (-)





#34

Trichloroethene

Concen: 207.131 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU038518.D

Acq: 03 Jun 2020 17:03

Instrument :

MSVOA_U

ClientSampleId :

ETTM6

Tot Ion: 95 Resp: 4424679

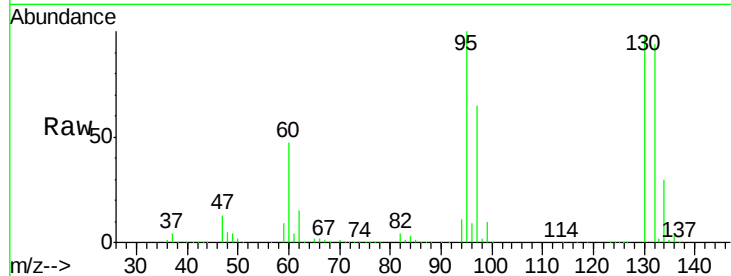
Ion Ratio Lower Upper

95 100

97 64.6 46.8 87.0

132 94.3 66.1 122.7

130 98.4 70.0 130.0

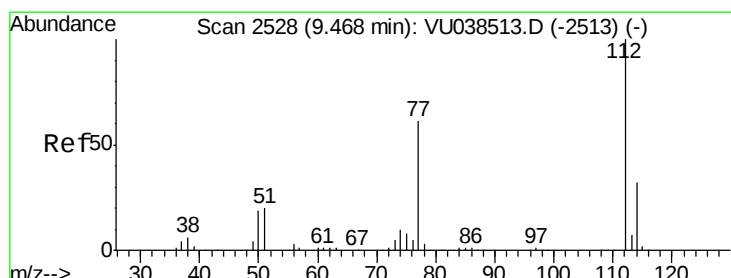
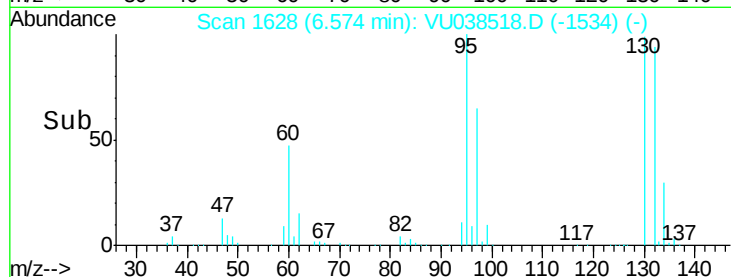
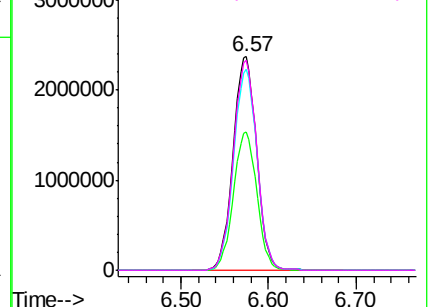


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.971 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038518.D

Acq: 03 Jun 2020 17:03

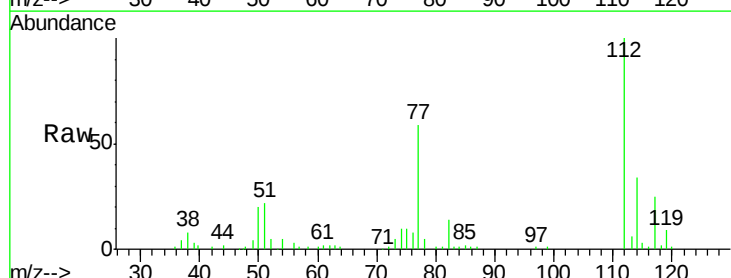
Tgt Ion: 112 Resp: 54052

Ion Ratio Lower Upper

112 100

114 33.5 22.4 41.6

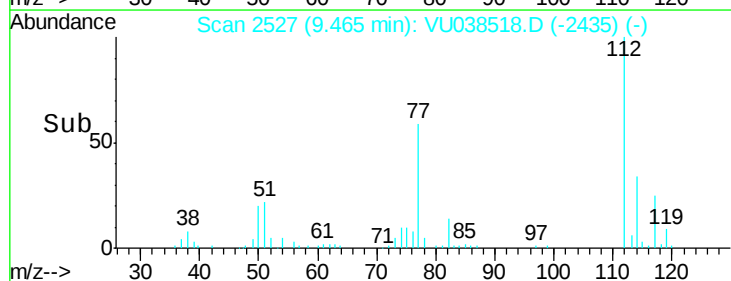
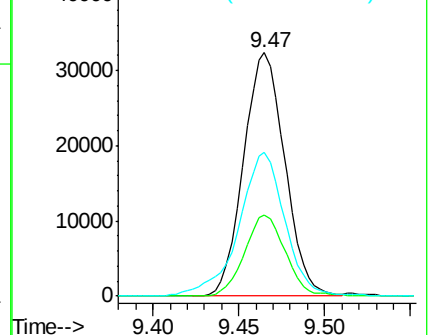
77 58.9 47.1 70.7

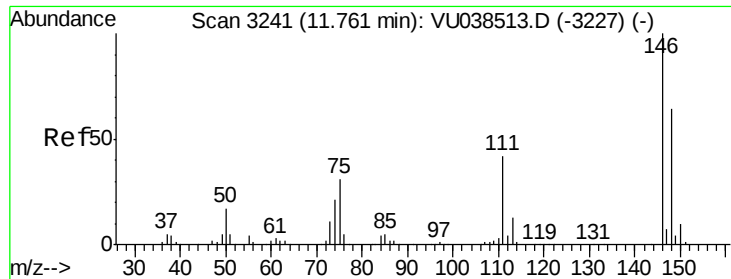


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

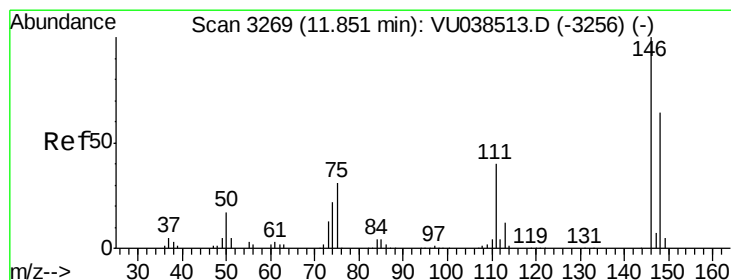
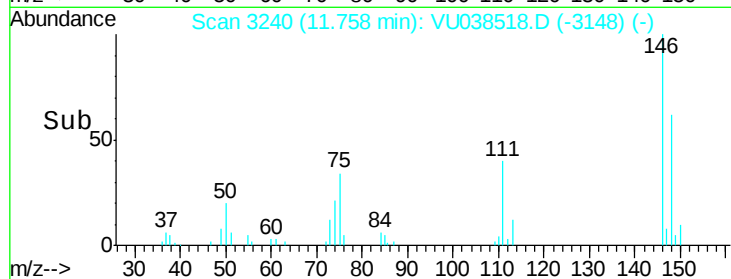
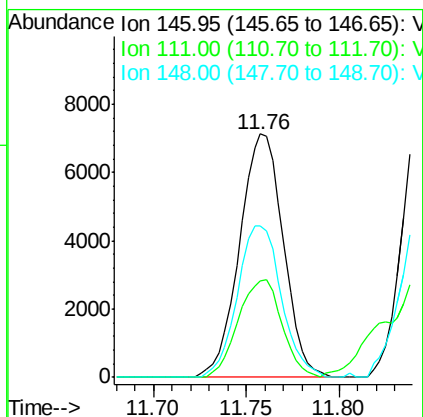
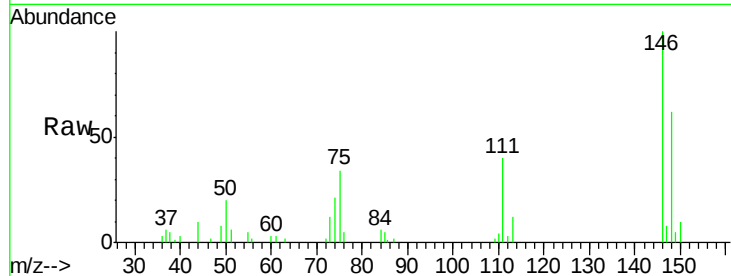




#62
 1,3-Dichlorobenzene
 Concen: 0.281 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038518.D
 Acq: 03 Jun 2020 17:03

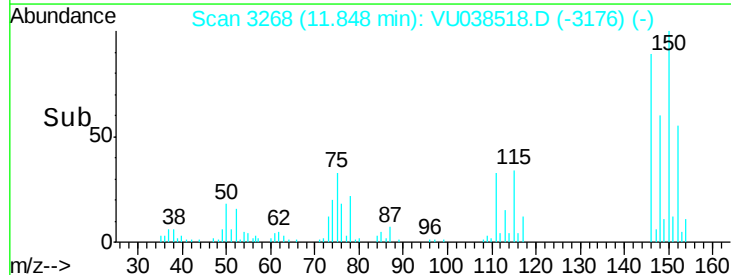
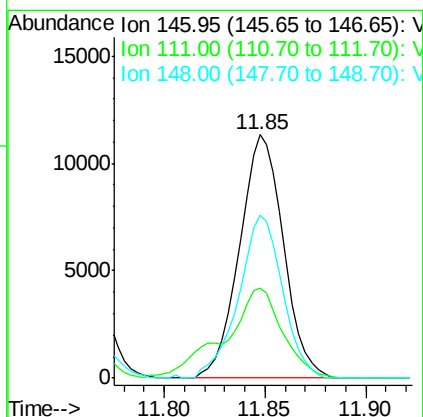
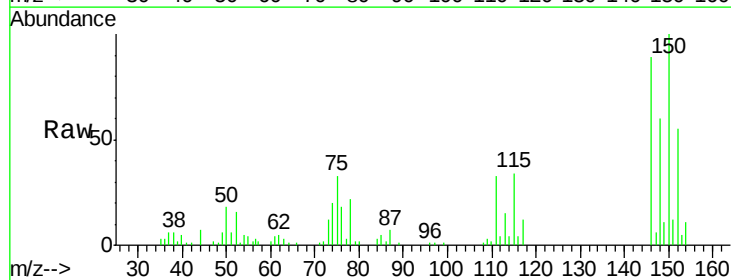
Instrument :
 MSVOA_U
 ClientSampleId :
 ETTM6

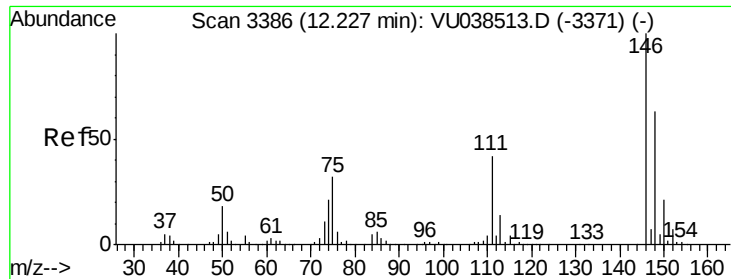
Tot Ion:146 Resp: 11662
 Ion Ratio Lower Upper
 146 100
 111 39.8 29.5 54.9
 148 62.1 45.6 84.6



#63
 1,4-Dichlorobenzene
 Concen: 0.410 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038518.D
 Acq: 03 Jun 2020 17:03

Tgt Ion:146 Resp: 17288
 Ion Ratio Lower Upper
 146 100
 111 37.2 27.6 51.2
 148 67.1 44.8 83.2

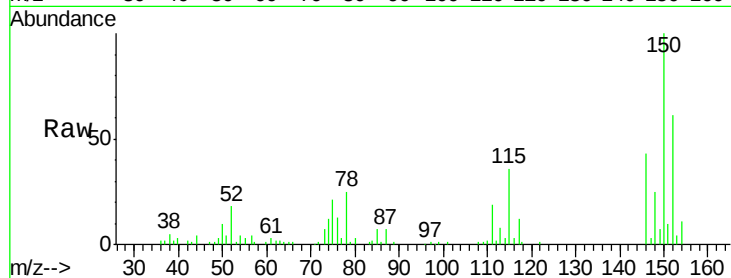




#65
 1,2-Dichlorobenzene
 Concen: 0.413 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038518.D
 Acq: 03 Jun 2020 17:03

Instrument :
 MSVOA_U
 ClientSampleId :
 ETTM6

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	35.1	52.7
148	58.5	50.9	76.3



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

