

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100220\
 Data File : VU040462.D
 Acq On : 02 Oct 2020 15:42
 Operator : SY/MD
 Sample : L4240-09DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3S7DL

Quant Time: Oct 03 02:27:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 03 00:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	124460	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	123448	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	59176	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	31264	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.92	69	25576	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.58	63	47650	3.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	4.65	46	134850	44.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.12%
24) Chloroform-d	5.08	84	64118	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.72	65	40366	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	5.74	84	121761	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.71	67	40735	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	7.91	98	107280	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	8.19	79	16465	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.64	63	89937	41.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.54%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	36829	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	44698	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

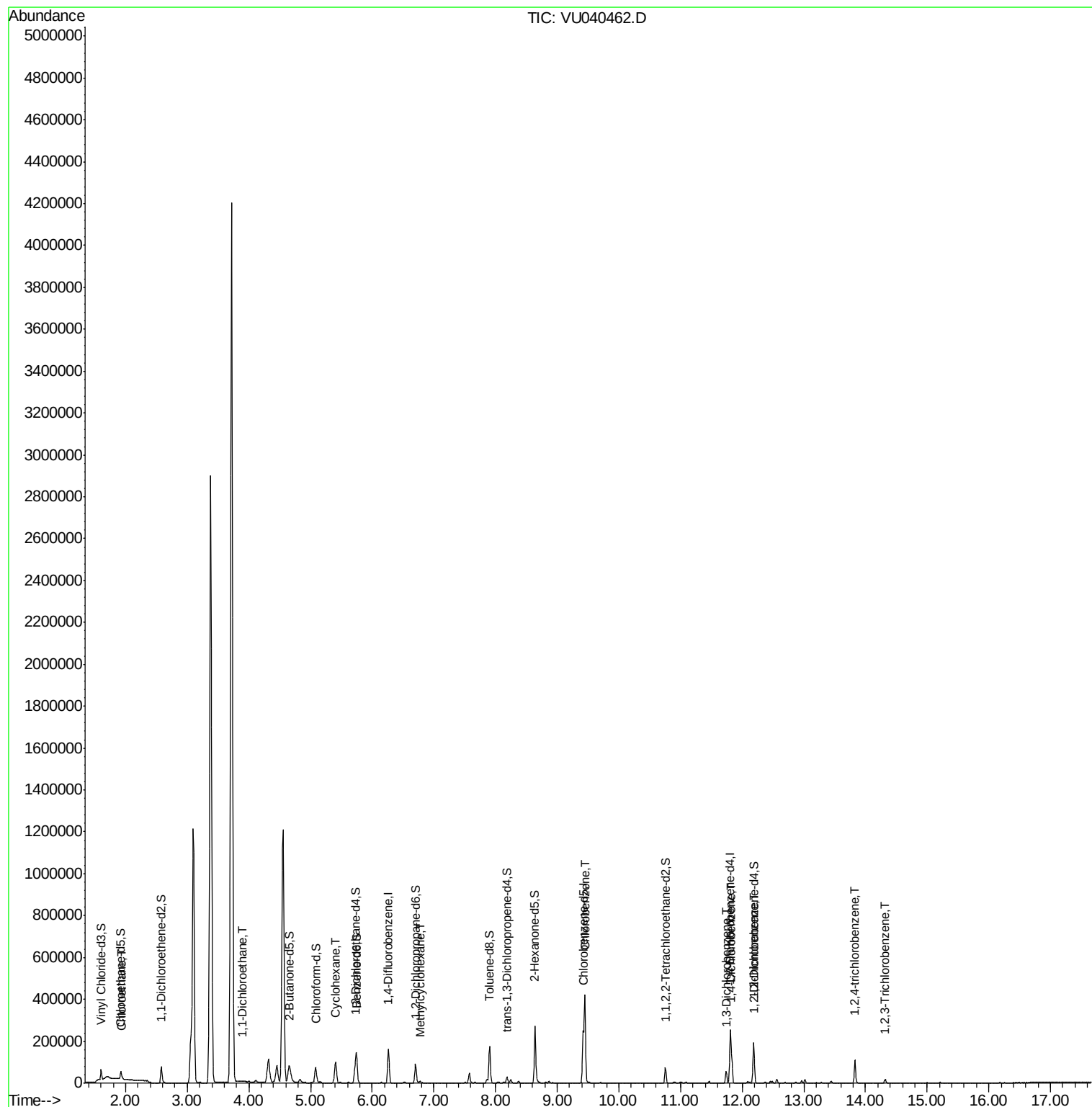
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	9130	1.281	ug/L #	70
19) 1,1-Dichloroethane	3.89	63	1860	0.092	ug/L #	89
30) Cyclohexane	5.40	56	50317	2.884	ug/L	97
35) Methylcyclohexane	6.77	83	3199	0.199	ug/L	94
51) Chlorobenzene	9.45	112	207393	7.558	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	21862	1.116	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	40022	1.964	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	3001	0.158	ug/L	93
68) 1,2,4-trichlorobenzene	13.83	180	29099	2.589	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	5505	0.535	ug/L	95

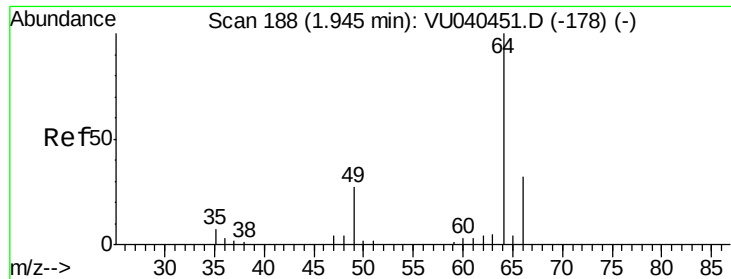
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 03 00:09:31 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 1.281 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU040462.D

Acq: 02 Oct 2020 15:42

Instrument :

MSVOA_U

ClientSampleId :

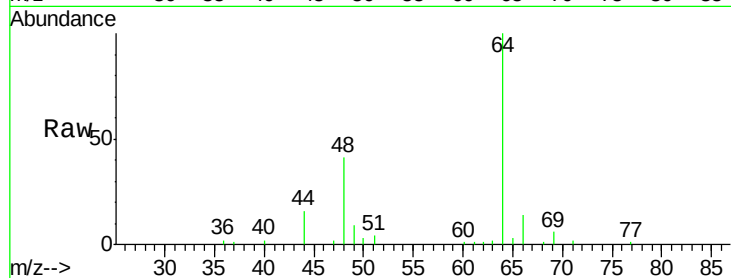
BG3S7DL

Tot Ion: 64 Resp: 9130

Ion Ratio Lower Upper

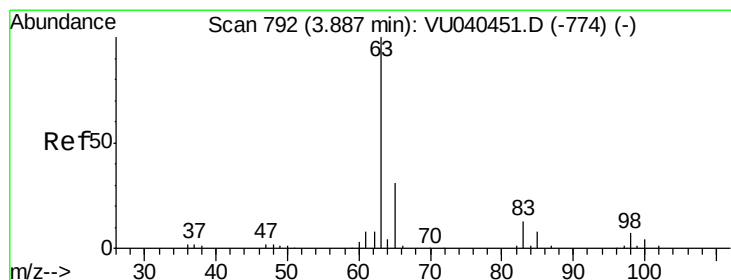
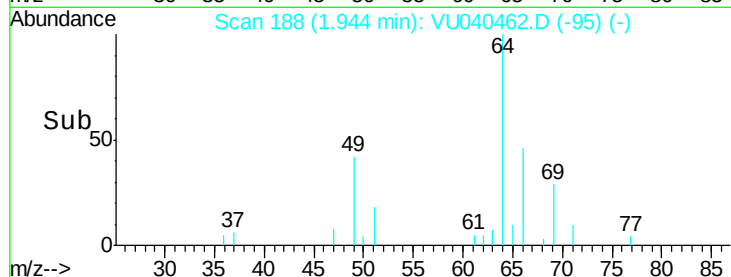
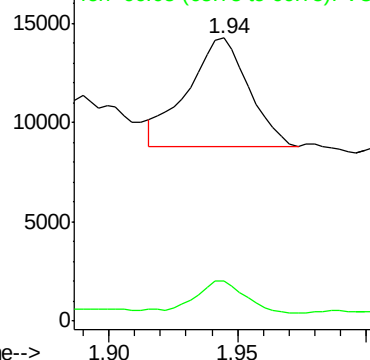
64 100

66 14.3 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#19

1,1-Dichloroethane

Concen: 0.092 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.01 min

Lab File: VU040462.D

Acq: 02 Oct 2020 15:42

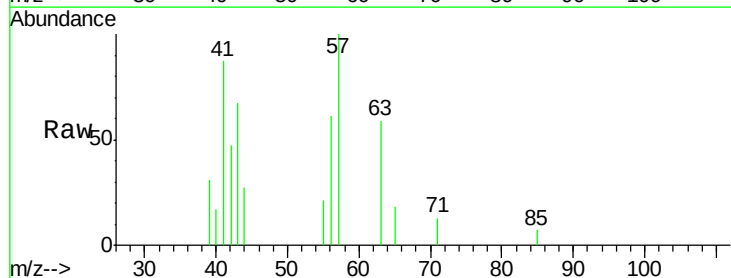
Tgt Ion: 63 Resp: 1860

Ion Ratio Lower Upper

63 100

65 30.2 21.7 40.3

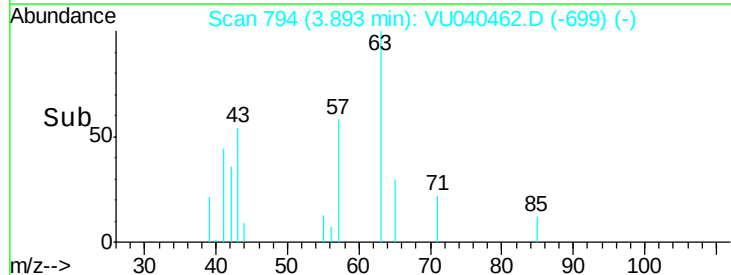
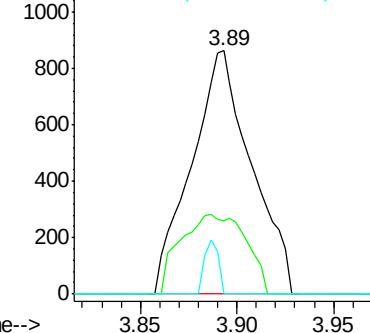
83 0.0 9.1 16.9#

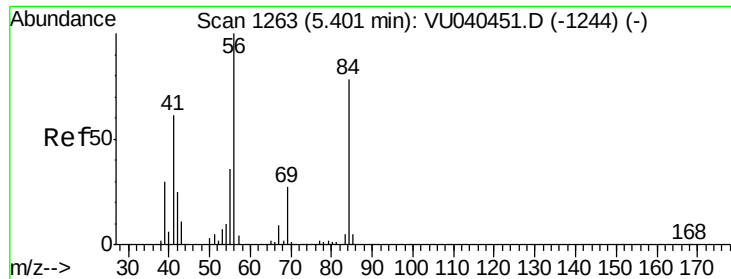


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0

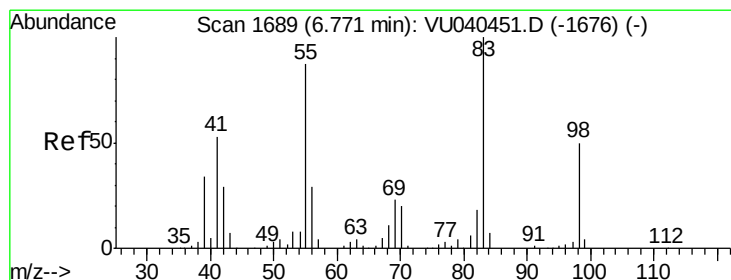
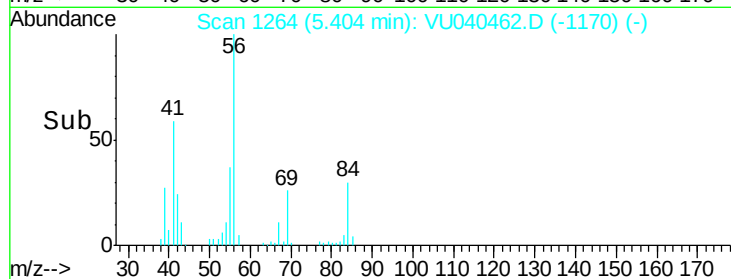
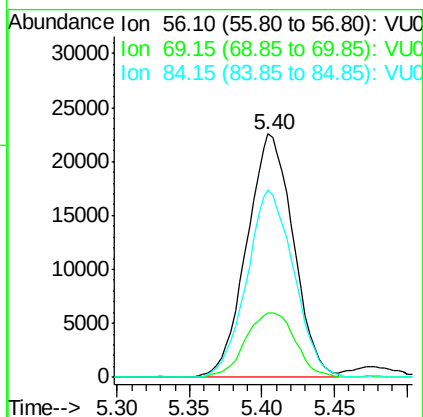
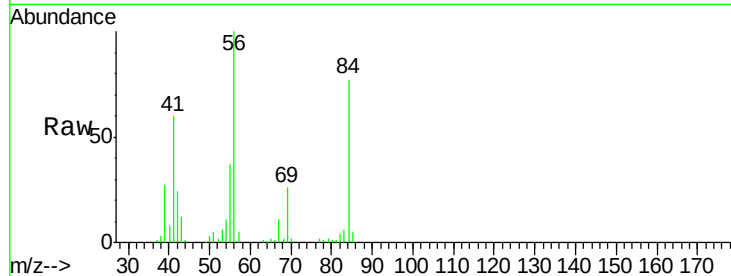




#30
Cyclohexane
Concen: 2.884 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU040462.D
Acq: 02 Oct 2020 15:42

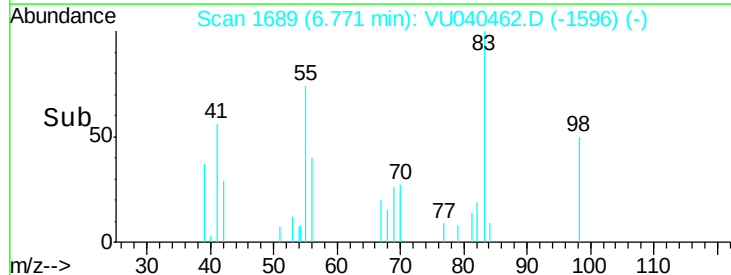
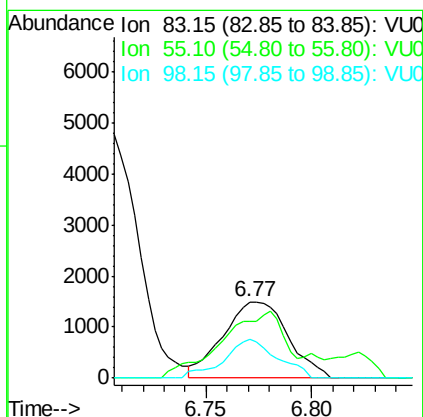
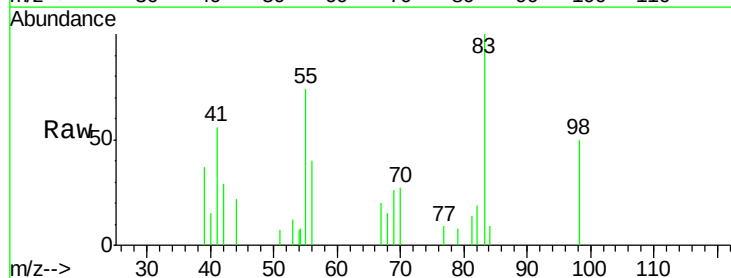
Instrument :
MSVOA_U
ClientSampleId :
BG3S7DL

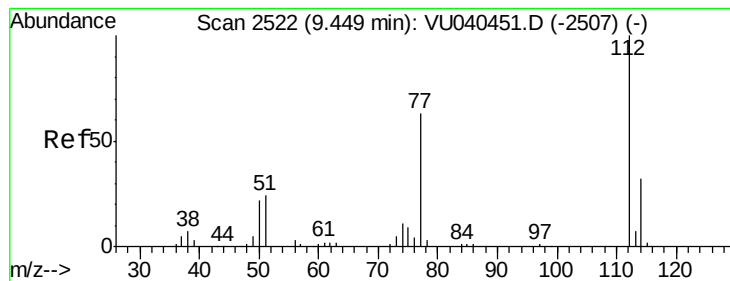
Tot Ion	56	Resp	50317
Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.3	34.9
84	77.6	64.2	96.4



#35
Methylcyclohexane
Concen: 0.199 ug/L
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU040462.D
Acq: 02 Oct 2020 15:42

Tgt Ion	83	Resp	3199
Ion	Ratio	Lower	Upper
83	100		
55	85.2	71.4	107.2
98	41.4	38.5	57.7





#51

Chlorobenzene

Concen: 7.558 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040462.D

Acq: 02 Oct 2020 15:42

Instrument :

MSVOA_U

ClientSampleId :

BG3S7DL

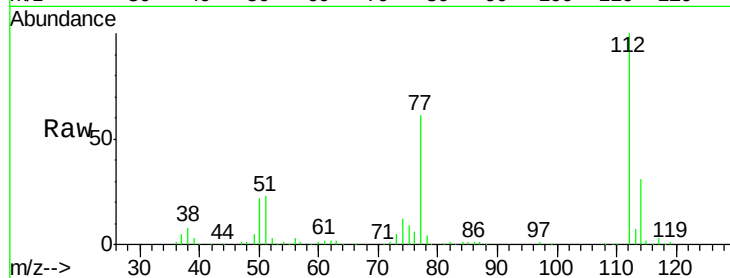
Tot Ion:112 Resp: 207393

Ion Ratio Lower Upper

112 100

114 31.3 22.0 40.8

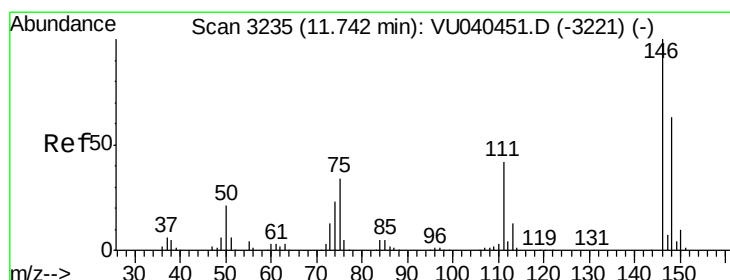
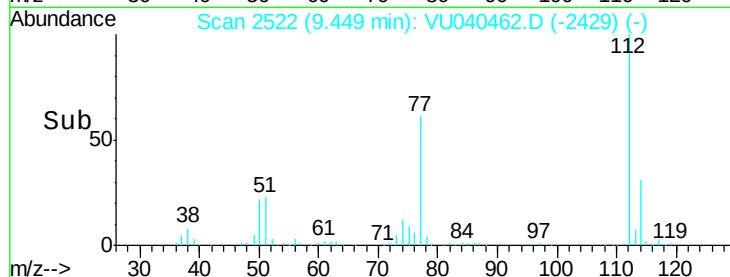
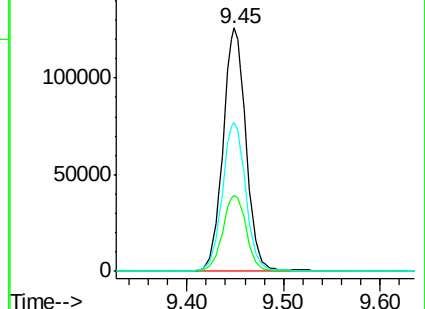
77 61.2 49.5 74.3



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



#62

1,3-Dichlorobenzene

Concen: 1.116 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040462.D

Acq: 02 Oct 2020 15:42

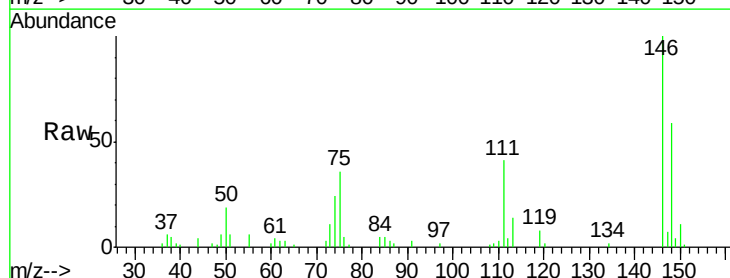
Tgt Ion:146 Resp: 21862

Ion Ratio Lower Upper

146 100

111 41.0 28.6 53.0

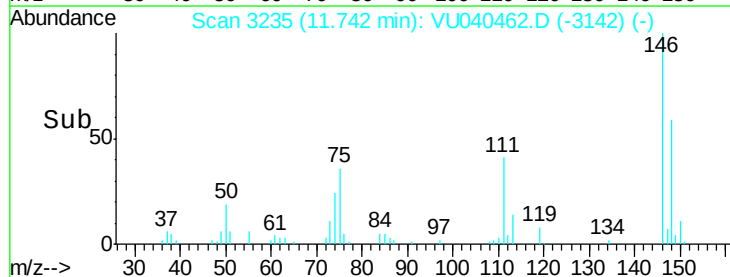
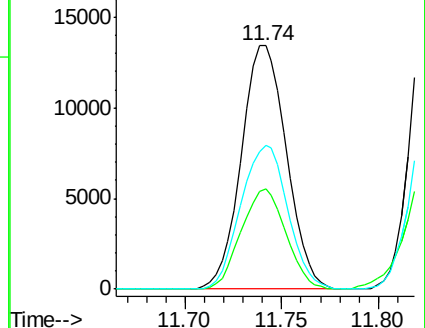
148 59.0 43.4 80.6

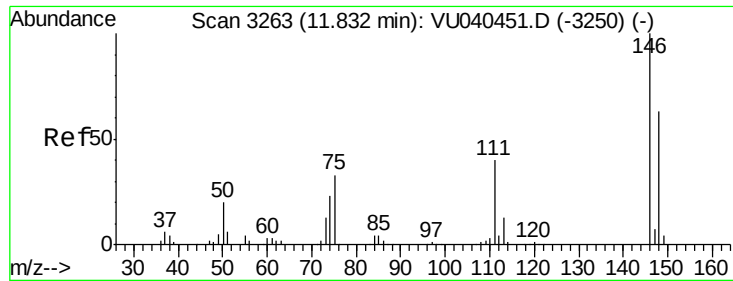


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 1.964 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040462.D

Acq: 02 Oct 2020 15:42

Instrument :

MSVOA_U

ClientSampleId :

BG3S7DL

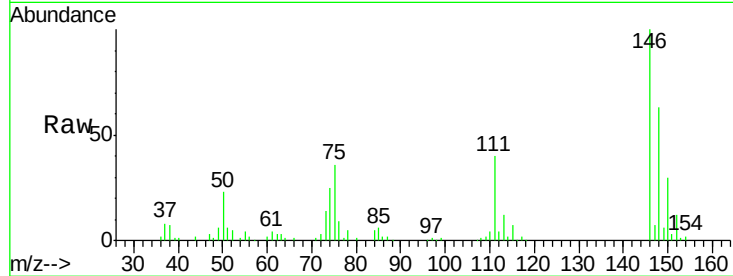
Tot Ion:146 Resp: 40022

Ion Ratio Lower Upper

146 100

111 40.1 29.2 54.2

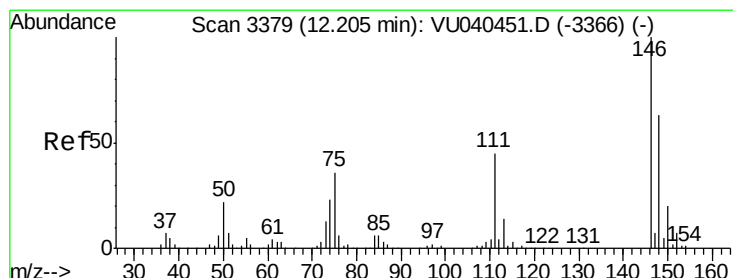
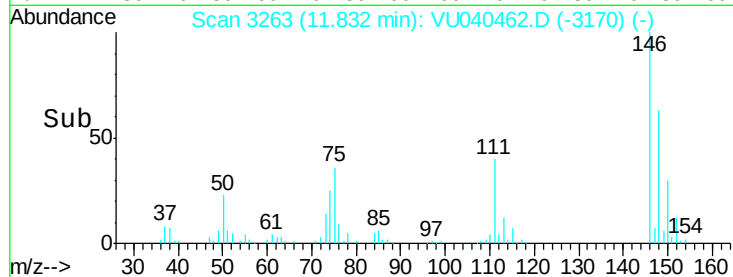
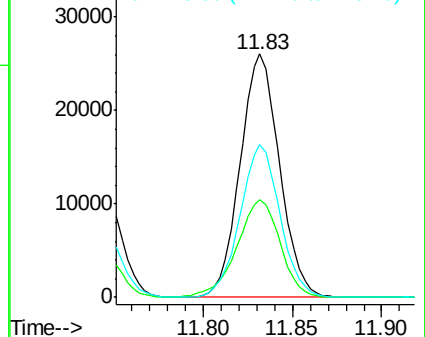
148 62.7 44.4 82.4



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



#65

1,2-Dichlorobenzene

Concen: 0.158 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040462.D

Acq: 02 Oct 2020 15:42

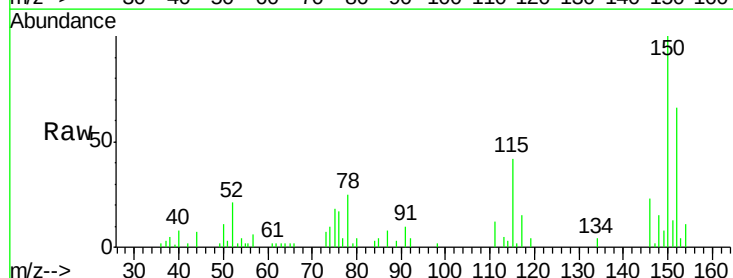
Tgt Ion:146 Resp: 3001

Ion Ratio Lower Upper

146 100

111 52.0 35.6 53.4

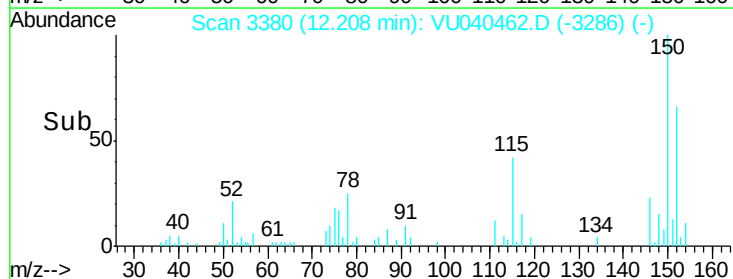
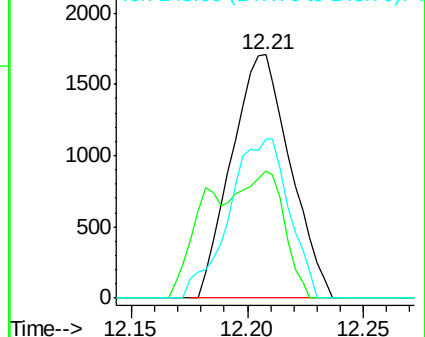
148 65.5 49.8 74.6

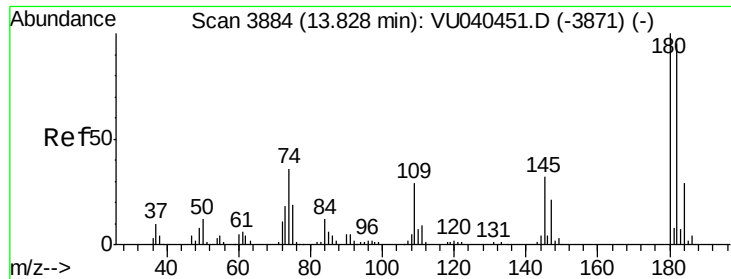


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

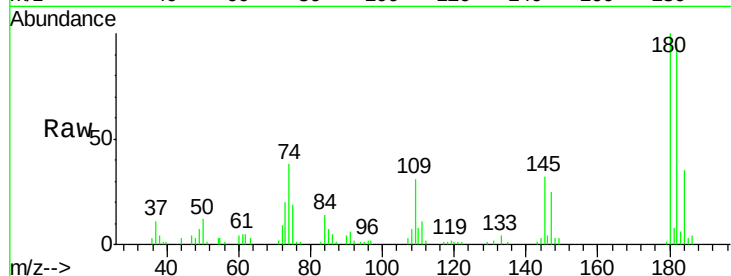




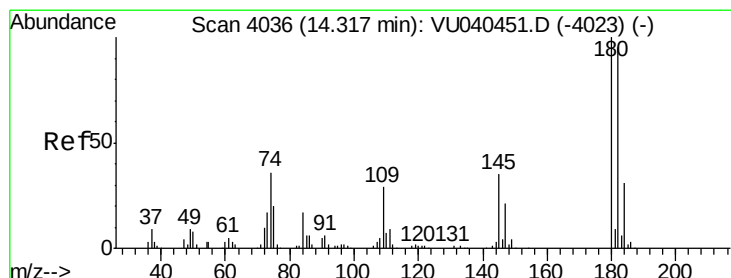
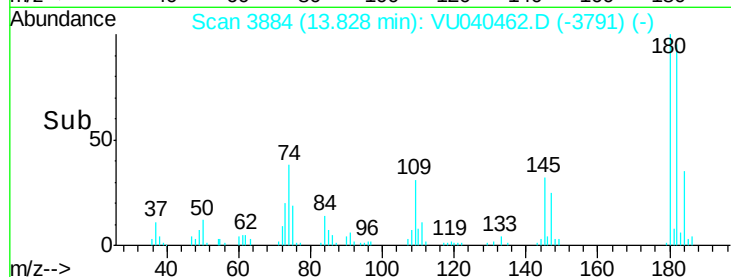
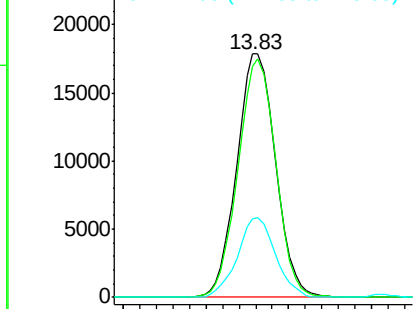
#68
 1,2,4-trichlorobenzene
 Concen: 2.589 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040462.D
 Acq: 02 Oct 2020 15:42

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3S7DL

Tot Ion:180 Resp: 29099
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.6 115.0
 145 31.8 26.3 39.5

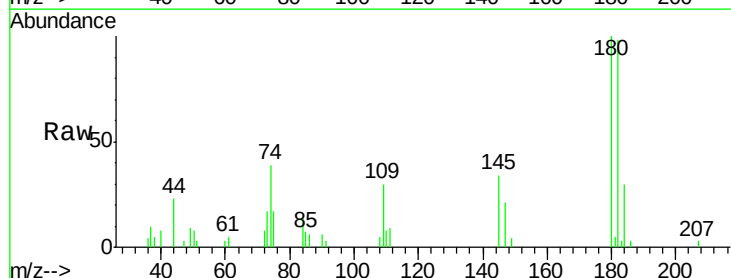


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V



#70
 1,2,3-Trichlorobenzene
 Concen: 0.535 ug/L
 RT: 14.32 min Scan# 4037
 Delta R.T. 0.00 min
 Lab File: VU040462.D
 Acq: 02 Oct 2020 15:42

Tgt Ion:180 Resp: 5505
 Ion Ratio Lower Upper
 180 100
 182 100.8 76.6 115.0
 145 38.3 27.8 41.6



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

