

Data File : VU037060.D
Acq On : 05 Mar 2020 00:28
Operator : JC/MD
Sample : L1780-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0DG4

Quant Time: Mar 05 02:58:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 05 02:52:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	256007	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	242800	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	86263	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	88666	41.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.48%
7) Chloroethane-d5	1.92	69	85309	47.96	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.92%
11) 1,1-Dichloroethene-d2	2.59	63	119682	33.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.48%
21) 2-Butanone-d5	4.67	46	146766	101.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.77%
24) Chloroform-d	5.11	84	163852	49.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.82%
26) 1,2-Dichloroethane-d4	5.74	65	112177	50.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.98%
32) Benzene-d6	5.76	84	347701	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.04%
36) 1,2-Dichloropropane-d6	6.72	67	116307	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.26%
41) Toluene-d8	7.92	98	308565	47.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.74%
43) trans-1,3-Dichloropropene-	8.20	79	46347	43.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.68%
47) 2-Hexanone-d5	8.66	63	101449	91.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.21%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	163115	50.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.72%
64) 1,2-Dichlorobenzene-d4	12.21	152	89155	52.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.74%

Target Compounds

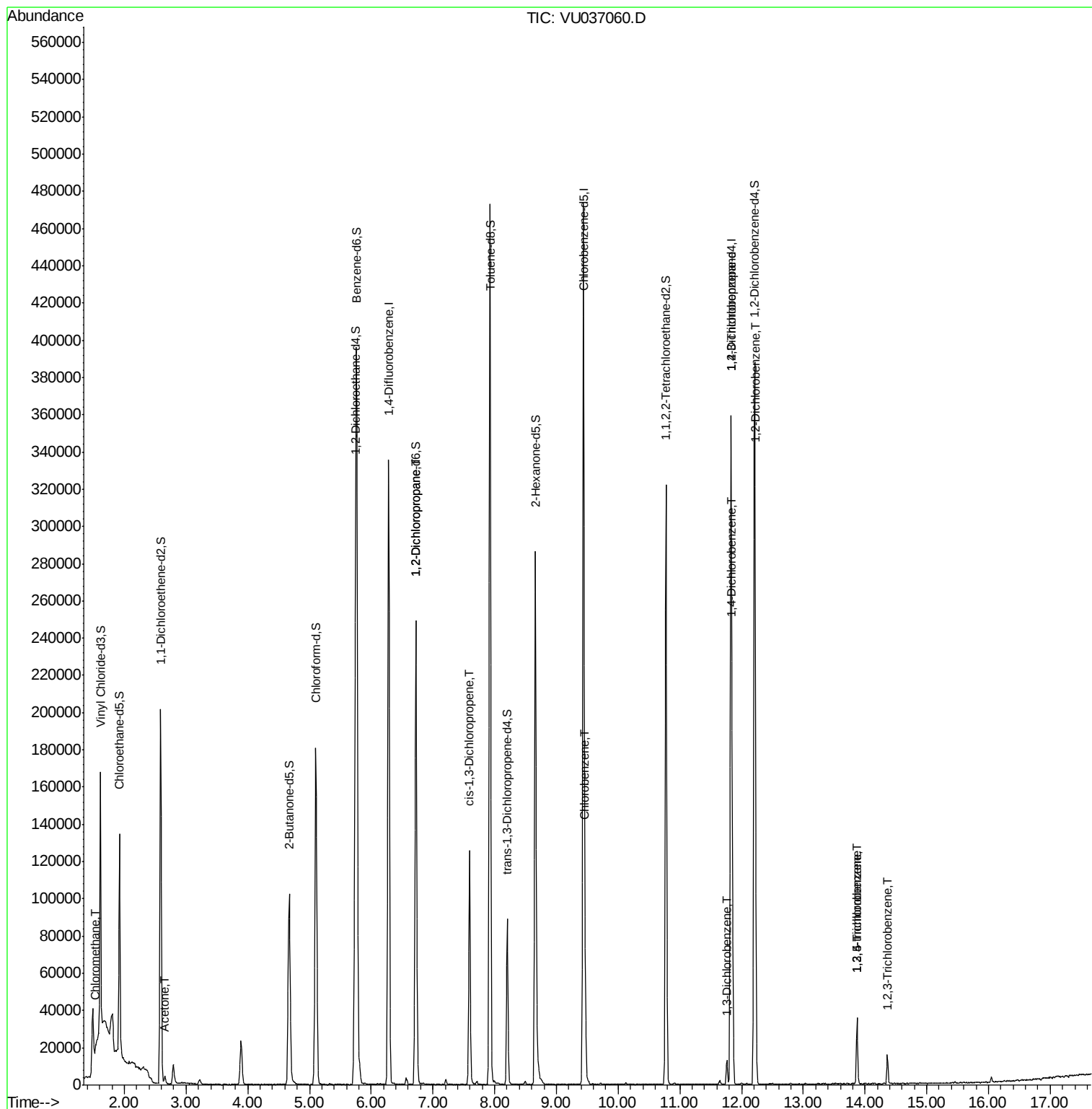
					Qvalue
3) Chloromethane	1.53	50	2028	0.812 ug/L	90
13) Acetone	2.65	43	3522	2.374 ug/L	93
37) 1,2-Dichloropropane	6.72	63	12766	6.181 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3162	0.994 ug/L #	77
51) Chlorobenzene	9.47	112	22852	4.719 ug/L	93
59) 1,2,3-Trichloropropane	11.83	75	16169	6.086 ug/L	93
62) 1,3-Dichlorobenzene	11.76	146	5598	2.000 ug/L	94
63) 1,4-Dichlorobenzene	11.85	146	35222	12.740 ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	31183	11.160 ug/L	98
67) 1,3,5-Trichlorobenzene	13.87	180	10458	5.888 ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	10458	7.859 ug/L	97
70) 1,2,3-Trichlorobenzene	14.36	180	4803	3.612 ug/L	93

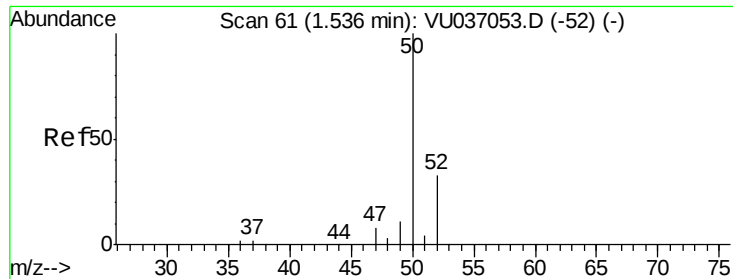
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Mar 05 02:52:45 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.812 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037060.D

Acq: 05 Mar 2020 00:28

Instrument :

MSVOA_U

ClientSampled :

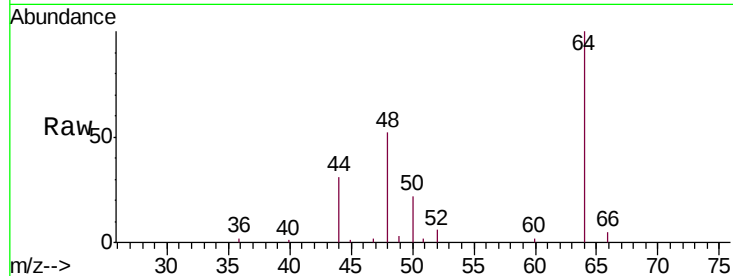
C0DG4

Tgt Ion: 50 Resp: 2028

Ion Ratio Lower Upper

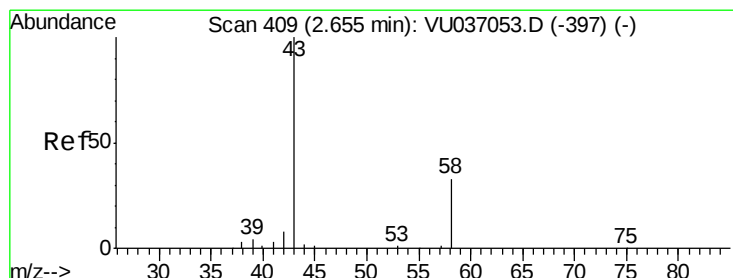
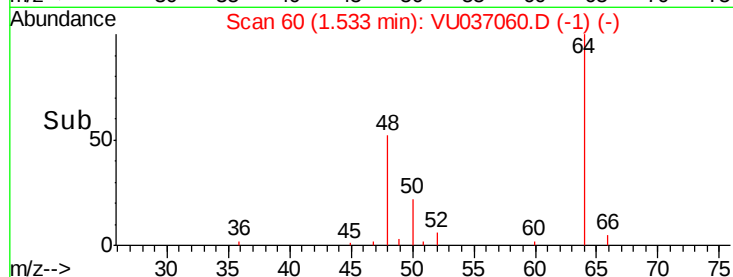
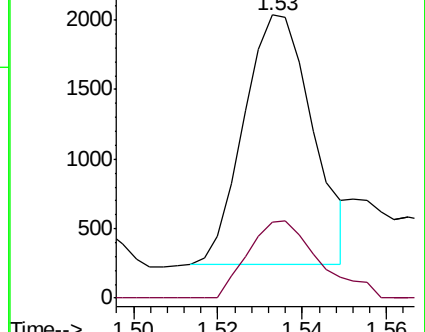
50 100

52 26.9 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU037060.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU037060.D (-1) (-)



#13

Acetone

Concen: 2.374 ug/L

RT: 2.65 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU037060.D

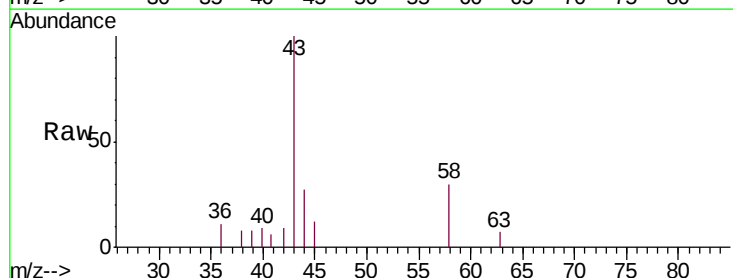
Acq: 05 Mar 2020 00:28

Tgt Ion: 43 Resp: 3522

Ion Ratio Lower Upper

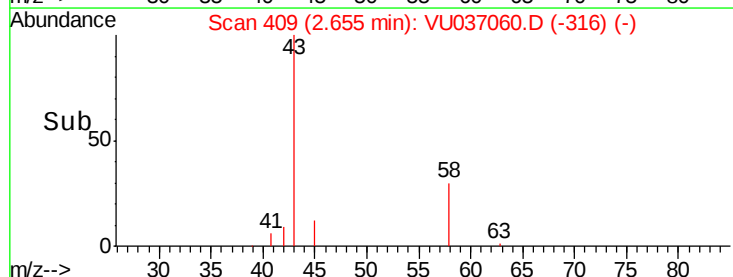
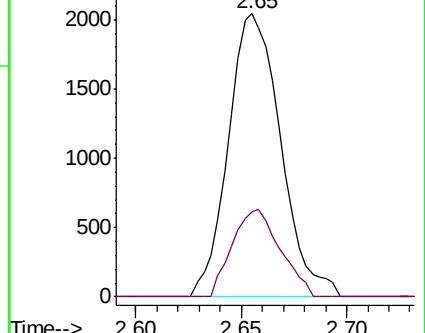
43 100

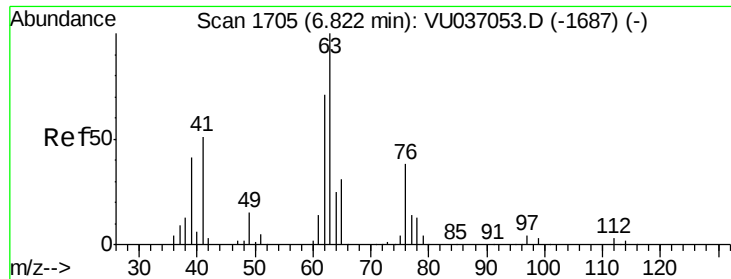
58 28.2 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU037060.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU037060.D (-316) (-)

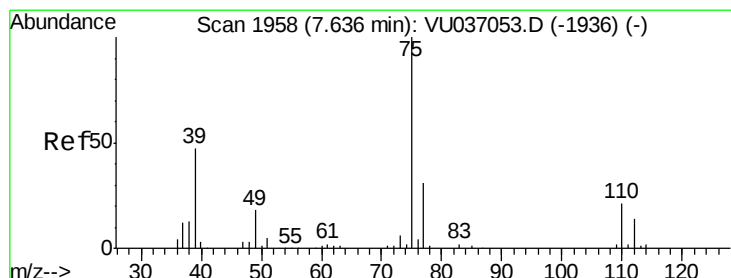
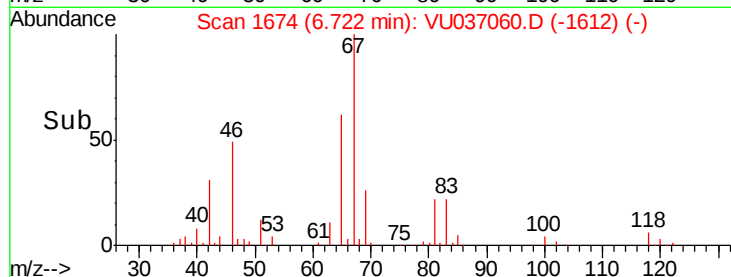
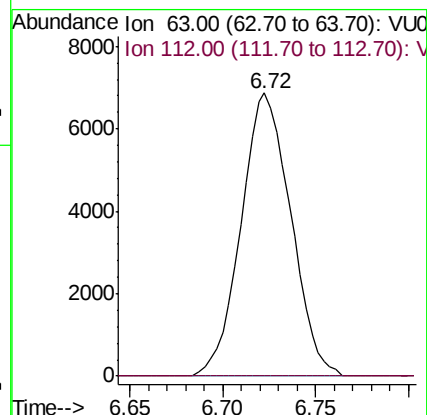
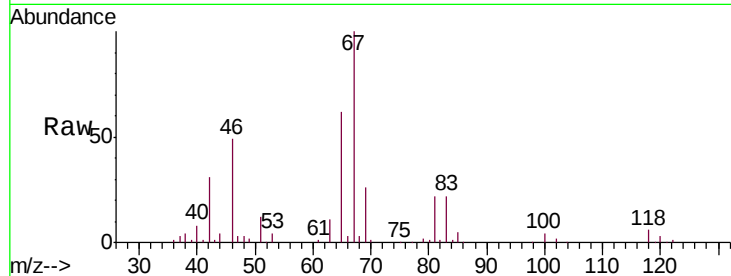




#37
 1,2-Dichloropropane
 Concen: 6.181 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037060.D
 Acq: 05 Mar 2020 00:28

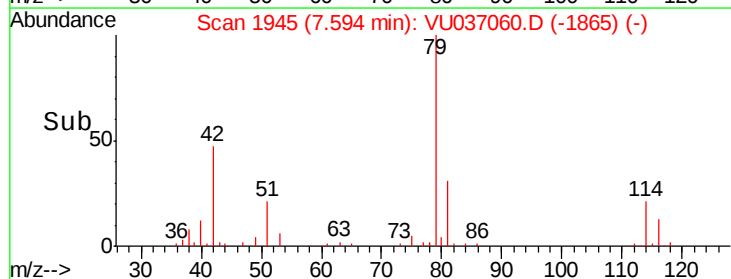
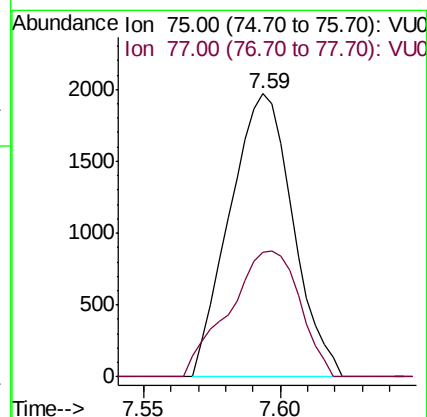
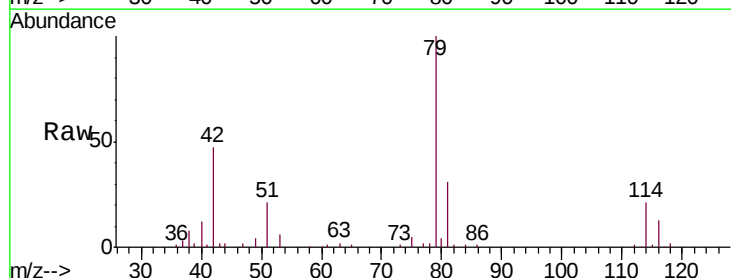
Instrument :
 MSVOA_U
 ClientSampleId :
 C0DG4

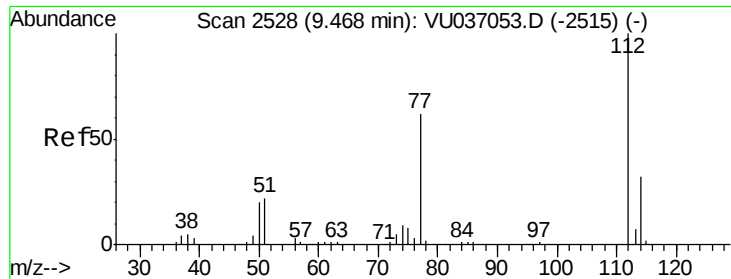
Tgt Ion: 63 Resp: 12766
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.994 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037060.D
 Acq: 05 Mar 2020 00:28

Tgt Ion: 75 Resp: 3162
 Ion Ratio Lower Upper
 75 100
 77 44.1 22.0 41.0#





#51

Chlorobenzene

Concen: 4.719 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU037060.D

Acq: 05 Mar 2020 00:28

Instrument :

MSVOA_U

ClientSampleId :

C0DG4

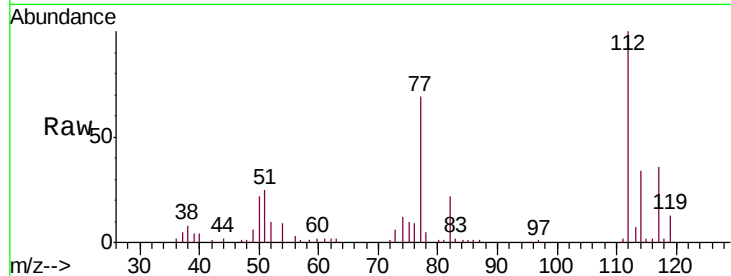
Tgt Ion: 112 Resp: 22852

Ion Ratio Lower Upper

112 100

114 33.8 22.3 41.5

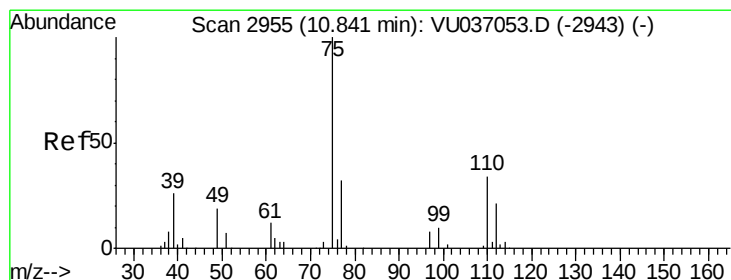
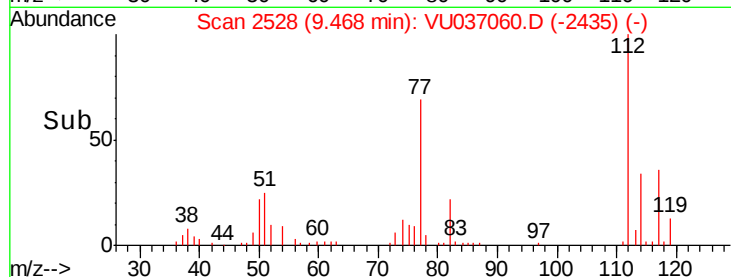
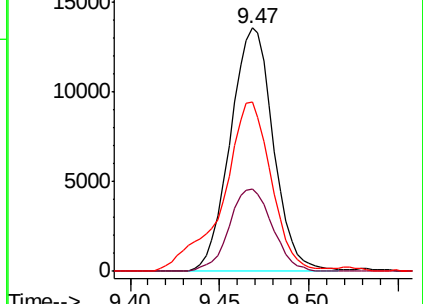
77 69.5 50.1 75.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU



#59

1,2,3-Trichloropropane

Concen: 6.086 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.99 min

Lab File: VU037060.D

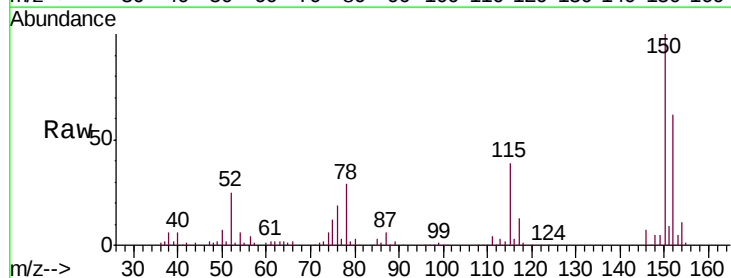
Acq: 05 Mar 2020 00:28

Tgt Ion: 75 Resp: 16169

Ion Ratio Lower Upper

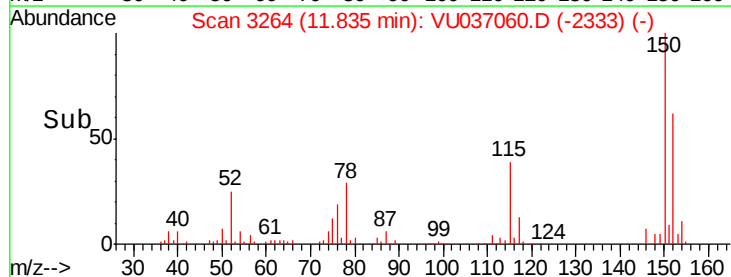
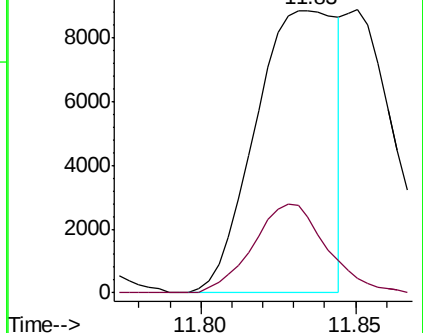
75 100

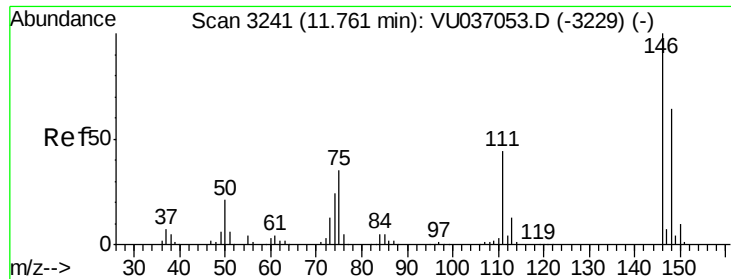
77 28.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#62

1,3-Dichlorobenzene

Concen: 2.000 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VU037060.D

Acq: 05 Mar 2020 00:28

Instrument :

MSVOA_U

ClientSampleId :

C0DG4

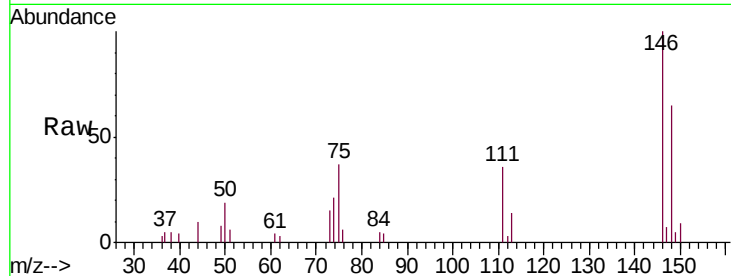
Tgt Ion:146 Resp: 5598

Ion Ratio Lower Upper

146 100

111 36.3 30.7 56.9

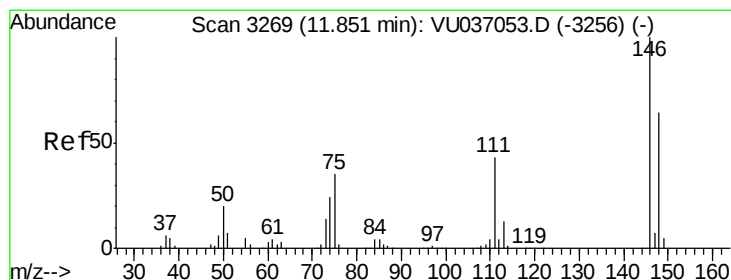
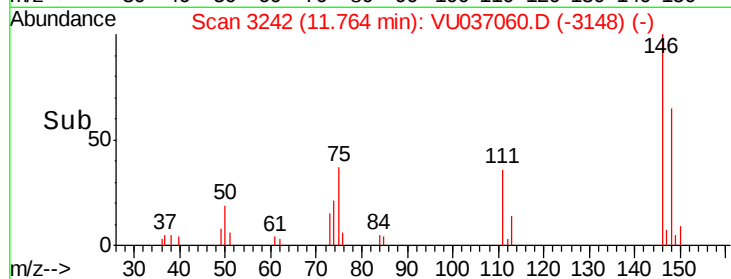
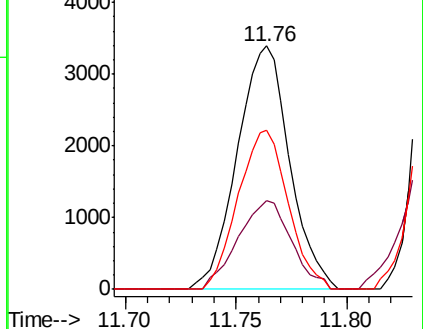
148 65.5 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 12.740 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU037060.D

Acq: 05 Mar 2020 00:28

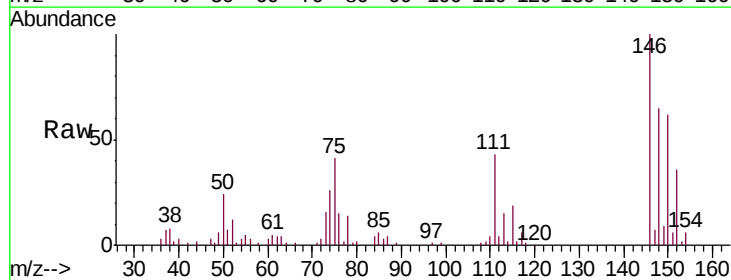
Tgt Ion:146 Resp: 35222

Ion Ratio Lower Upper

146 100

111 42.5 29.8 55.4

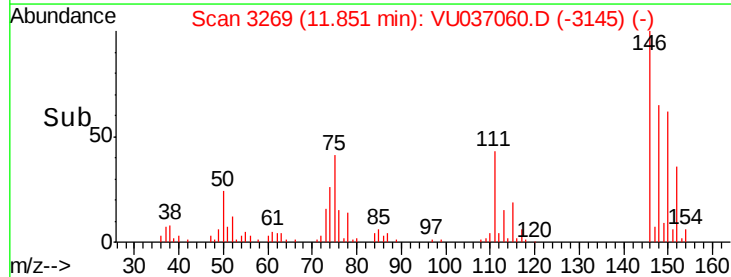
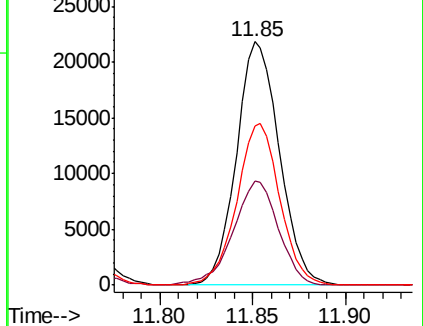
148 65.3 45.1 83.9

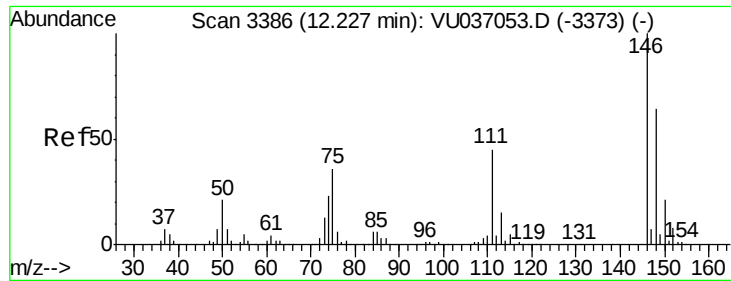


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 11.160 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU037060.D

Acq: 05 Mar 2020 00:28

Instrument :

MSVOA_U

ClientSampled :

C0DG4

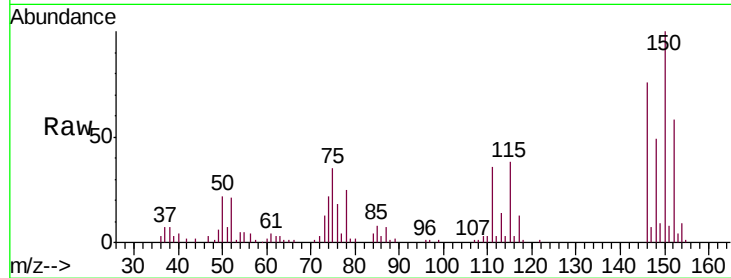
Tgt Ion:146 Resp: 31183

Ion Ratio Lower Upper

146 100

111 46.7 35.4 53.0

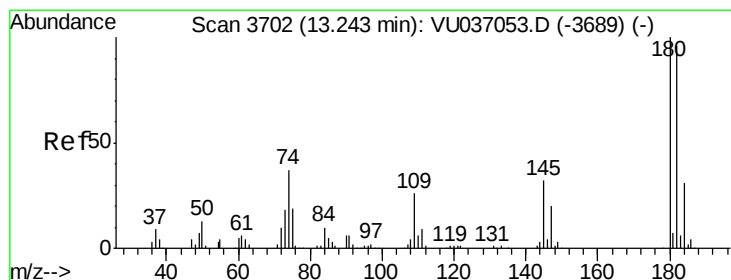
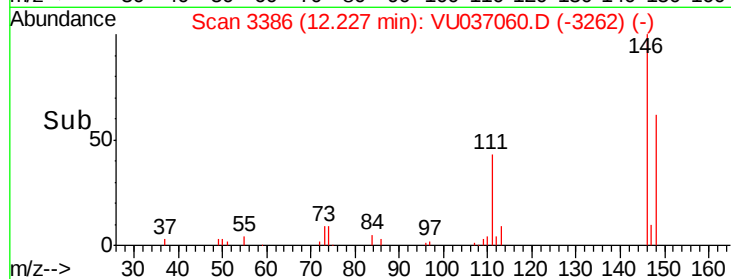
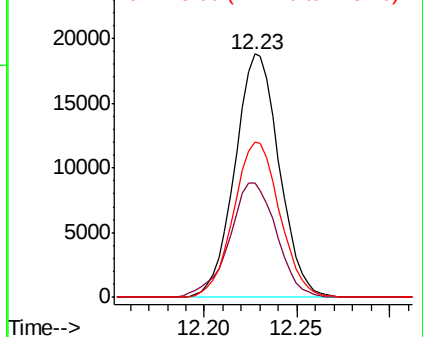
148 63.9 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 5.888 ug/L

RT: 13.87 min Scan# 3897

Delta R.T. 0.63 min

Lab File: VU037060.D

Acq: 05 Mar 2020 00:28

Tgt Ion:180 Resp: 10458

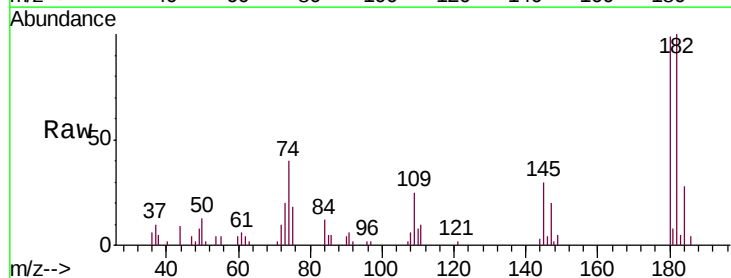
Ion Ratio Lower Upper

180 100

182 95.9 76.9 115.3

184 28.0 24.2 36.2

145 30.0 25.3 37.9

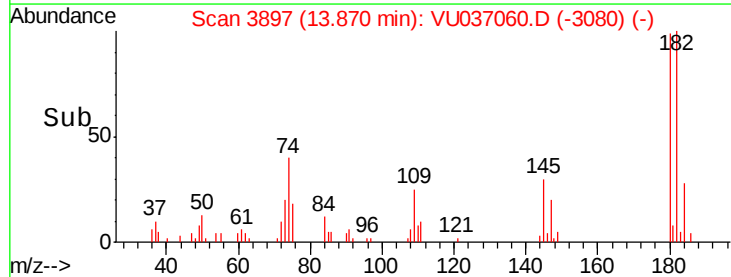
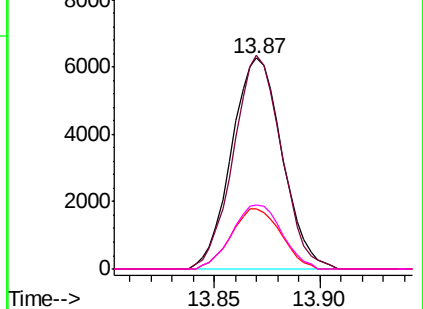


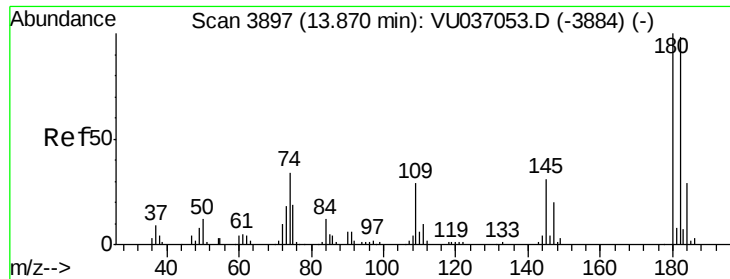
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

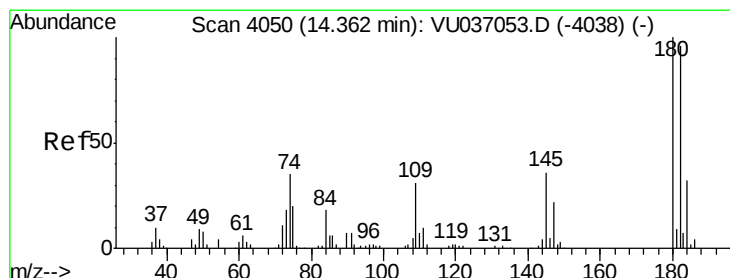
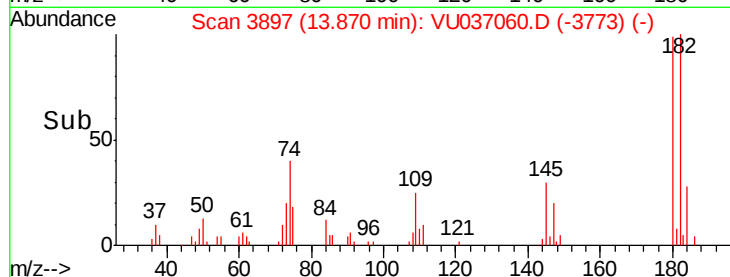
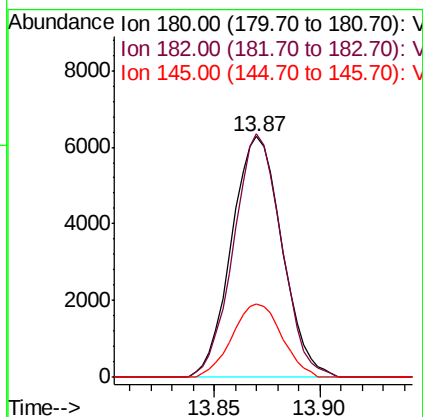
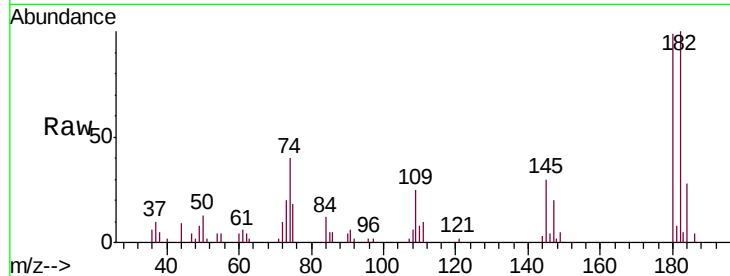




#68
 1,2,4-trichlorobenzene
 Concen: 7.859 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.00 min
 Lab File: VU037060.D
 Acq: 05 Mar 2020 00:28

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DG4

Tgt Ion:180 Resp: 10458
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.3 112.9
 145 30.0 26.2 39.4



#70
 1,2,3-Trichlorobenzene
 Concen: 3.612 ug/L
 RT: 14.36 min Scan# 4050
 Delta R.T. -0.00 min
 Lab File: VU037060.D
 Acq: 05 Mar 2020 00:28

Tgt Ion:180 Resp: 4803
 Ion Ratio Lower Upper
 180 100
 182 89.6 77.0 115.6
 145 30.7 28.1 42.1

