

Data File : VU037062.D
Acq On : 05 Mar 2020 01:15
Operator : JC/MD
Sample : L1780-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0DG6

Quant Time: Mar 05 02:59:07 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	250865	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	234086	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	81169	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	92566	43.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.88%
7) Chloroethane-d5	1.92	69	90616	51.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.96%
11) 1,1-Dichloroethene-d2	2.59	63	117352	33.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.52%
21) 2-Butanone-d5	4.67	46	148382	105.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.00%
24) Chloroform-d	5.10	84	160778	49.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.96%
26) 1,2-Dichloroethane-d4	5.74	65	111320	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.26%
32) Benzene-d6	5.76	84	349121	51.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.14%
36) 1,2-Dichloropropane-d6	6.72	67	116412	53.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.16%
41) Toluene-d8	7.92	98	307719	49.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	8.20	79	46568	45.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.38%
47) 2-Hexanone-d5	8.66	63	105568	98.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.45%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	163480	52.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.74%
64) 1,2-Dichlorobenzene-d4	12.21	152	86817	54.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.42%

Target Compounds

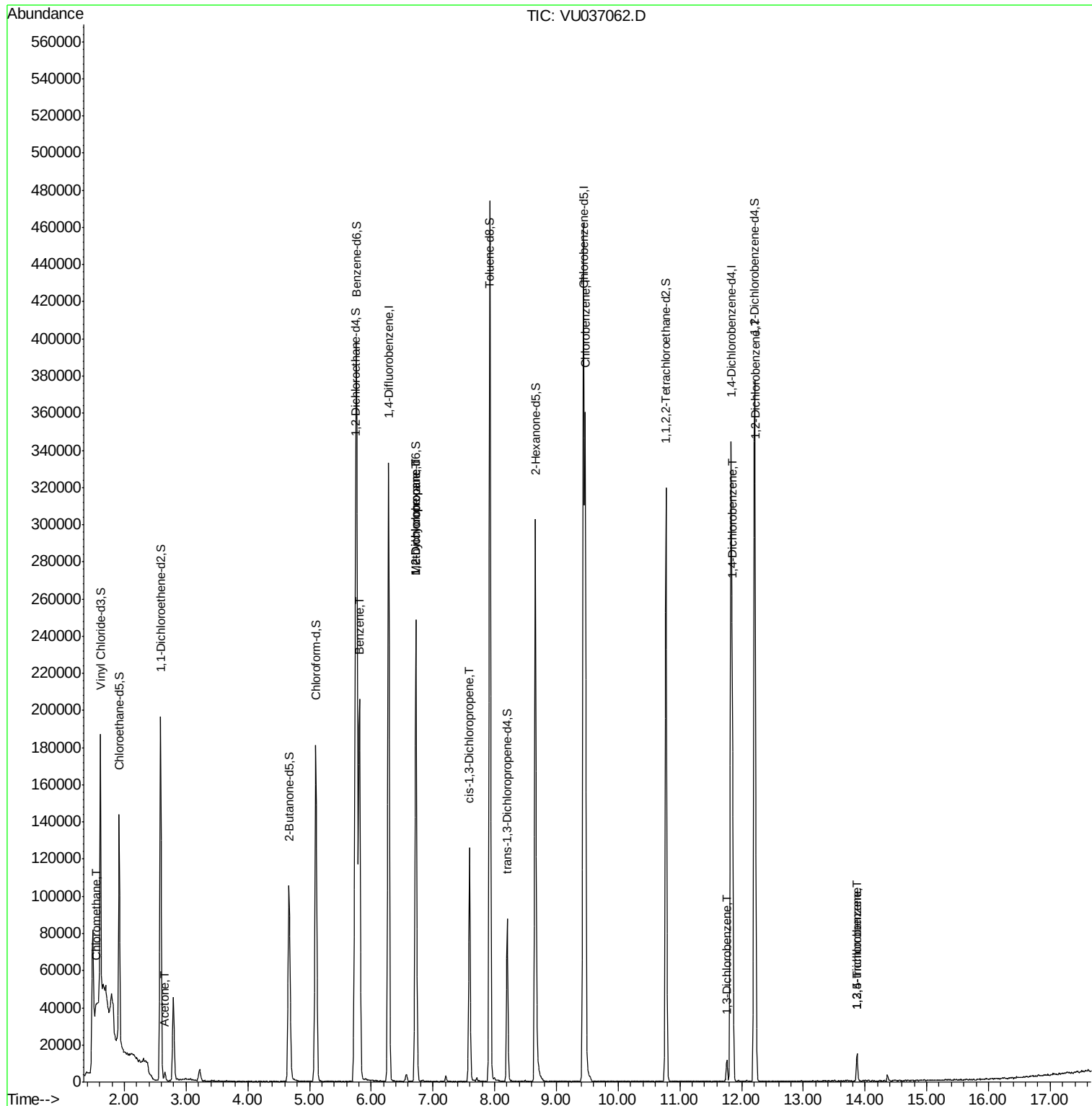
					Qvalue
3) Chloromethane	1.53	50	3197	1.306 ug/L	90
13) Acetone	2.65	43	4195	2.886 ug/L	99
33) Benzene	5.81	78	188811	25.532 ug/L	100
35) Methylcyclohexane	6.72	83	24985	7.928 ug/L #	19
37) 1,2-Dichloropropane	6.72	63	12470	6.263 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2922	0.953 ug/L #	49
51) Chlorobenzene	9.47	112	177390	37.999 ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	5043	1.915 ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	71137	27.345 ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	39459	15.009 ug/L	92
67) 1,3,5-Trichlorobenzene	13.87	180	4540	2.716 ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	4540	3.626 ug/L	99

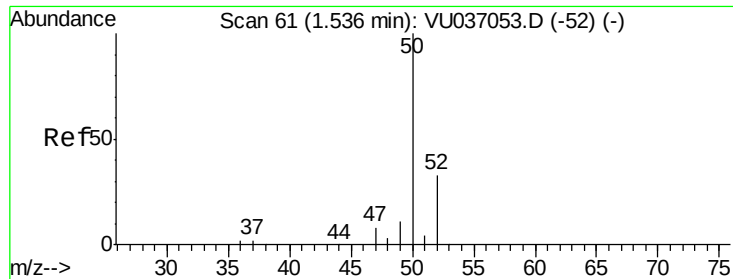
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.306 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037062.D

Acq: 05 Mar 2020 01:15

Instrument :

MSVOA_U

ClientSampleId :

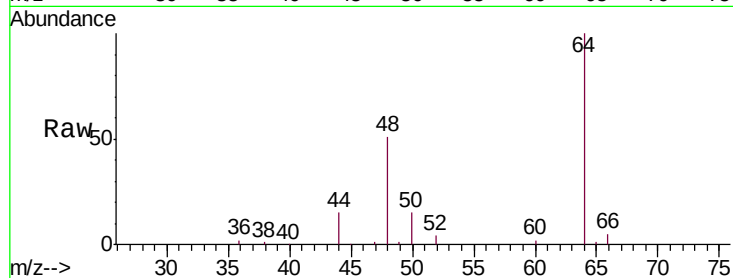
C0DG6

Tgt Ion: 50 Resp: 3197

Ion Ratio Lower Upper

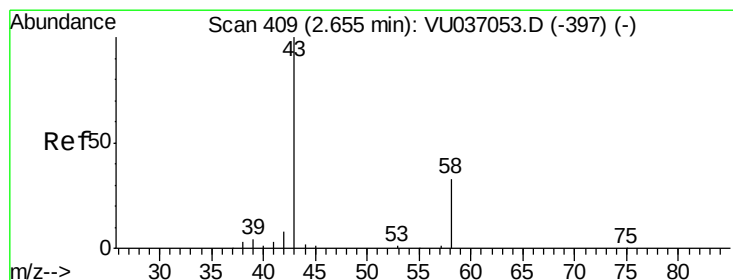
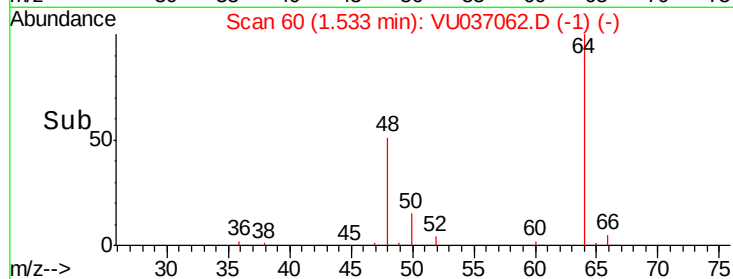
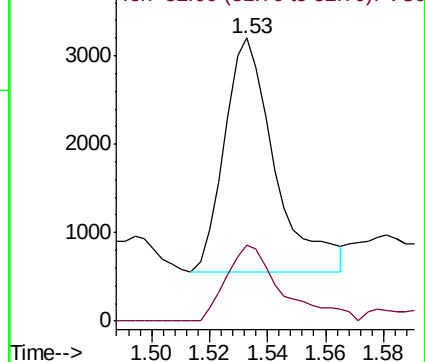
50 100

52 26.9 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#13

Acetone

Concen: 2.886 ug/L

RT: 2.65 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU037062.D

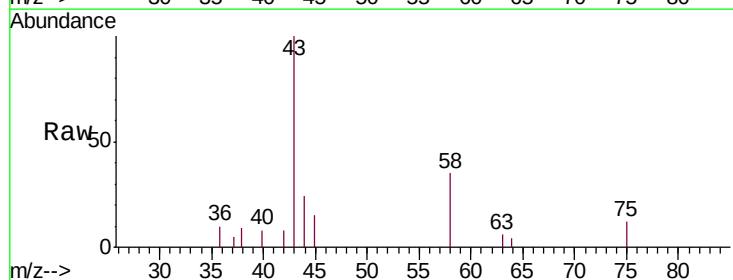
Acq: 05 Mar 2020 01:15

Tgt Ion: 43 Resp: 4195

Ion Ratio Lower Upper

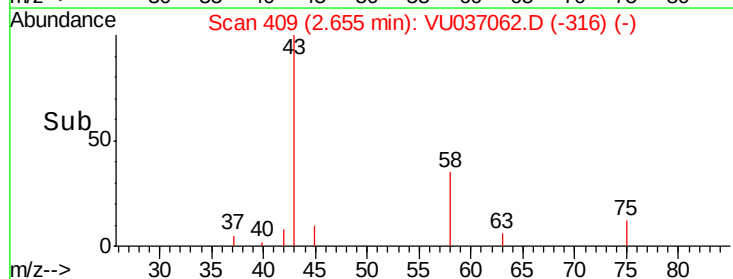
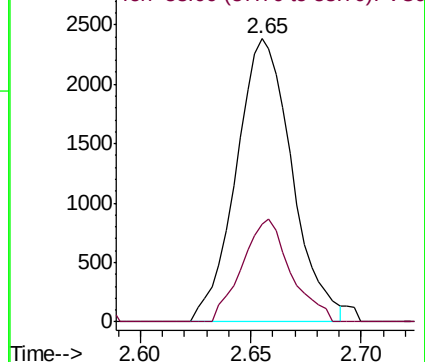
43 100

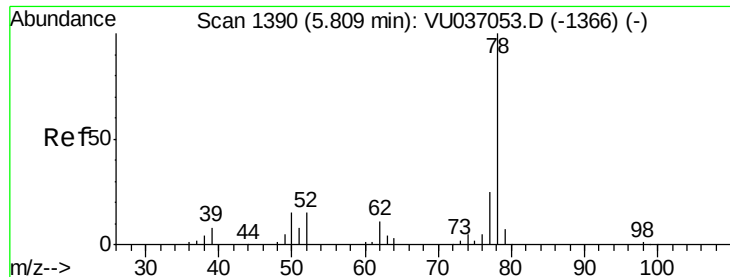
58 31.7 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#33

Benzene

Concen: 25.532 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037062.D

Acq: 05 Mar 2020 01:15

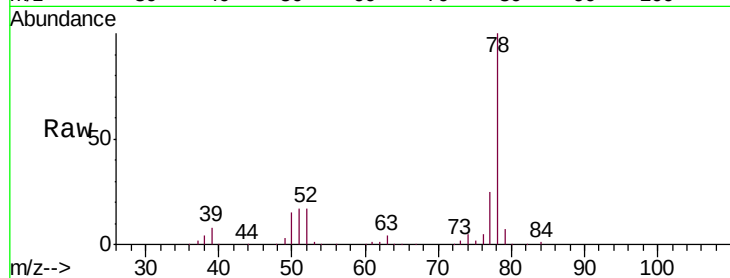
Instrument :

MSVOA_U

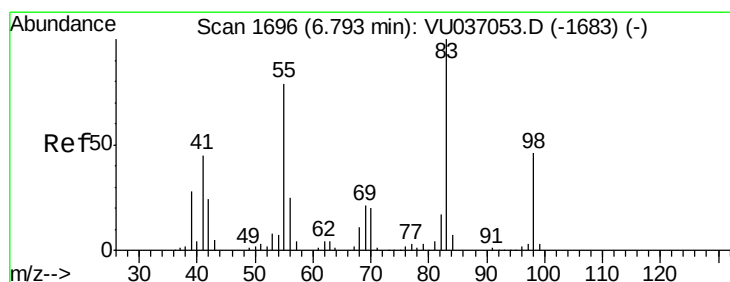
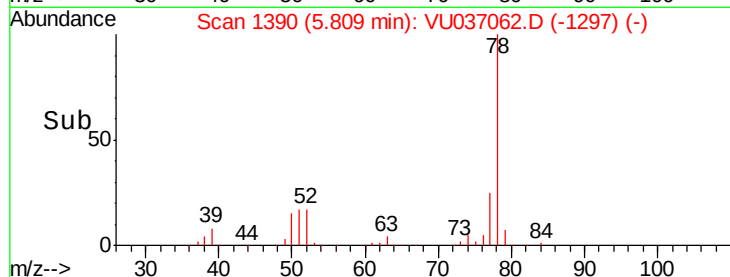
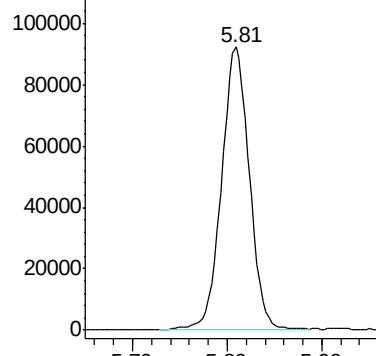
ClientSampleId :

C0DG6

Tgt Ion: 78 Resp: 188811



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 7.928 ug/L

RT: 6.72 min Scan# 1674

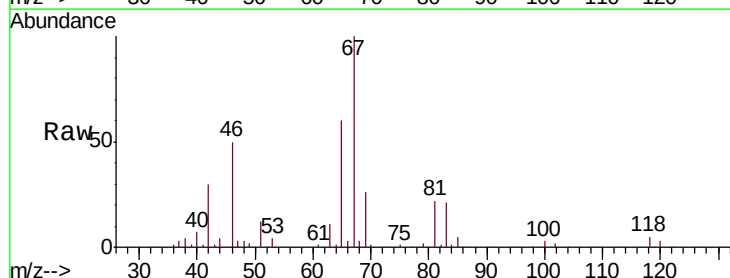
Delta R.T. -0.07 min

Lab File: VU037062.D

Acq: 05 Mar 2020 01:15

Tgt Ion: 83 Resp: 24985

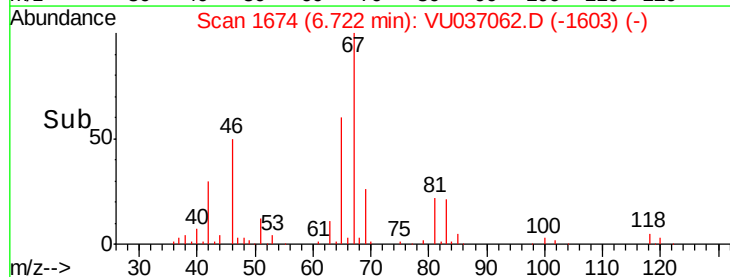
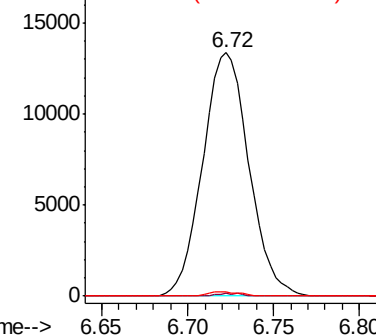
Ion	Ratio	Lower	Upper
83	100		
55	0.4	62.6	93.8#
98	1.2	35.1	52.7#

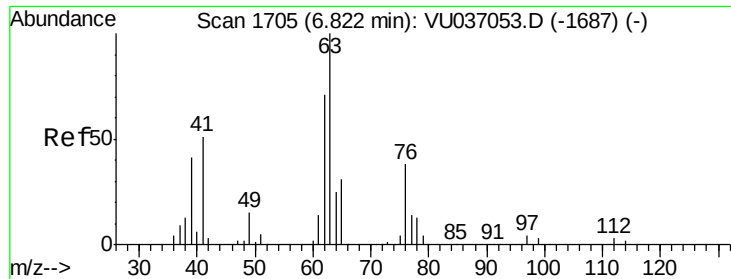


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

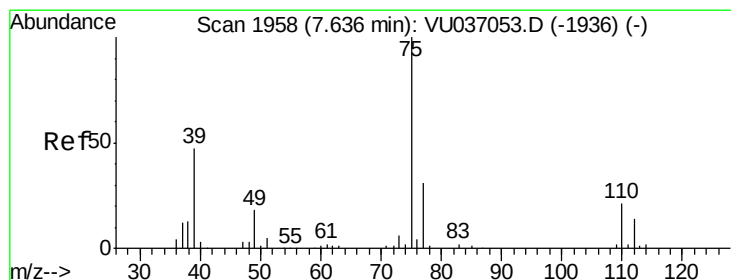
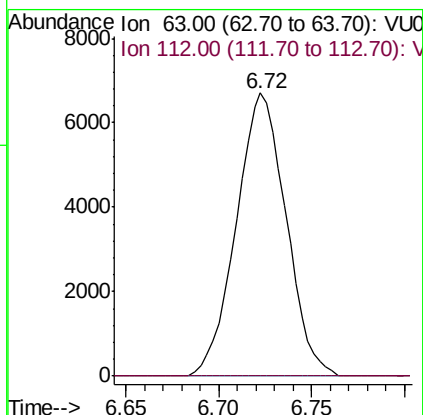
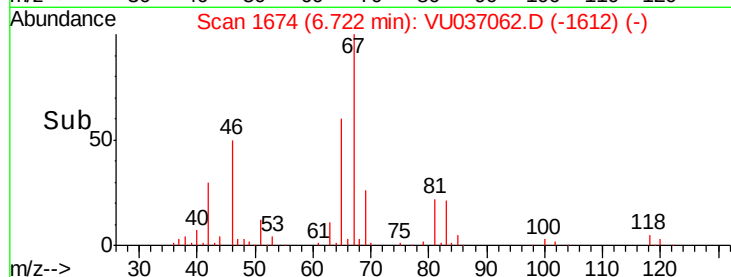
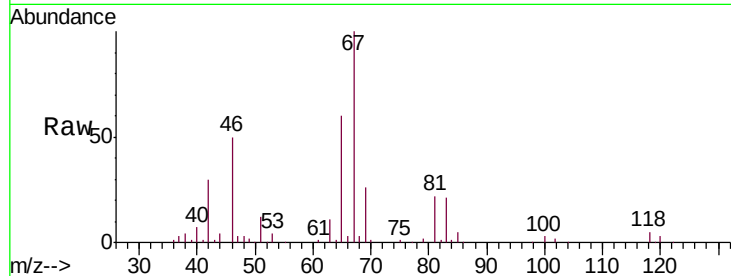




#37
 1,2-Dichloropropane
 Concen: 6.263 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037062.D
 Acq: 05 Mar 2020 01:15

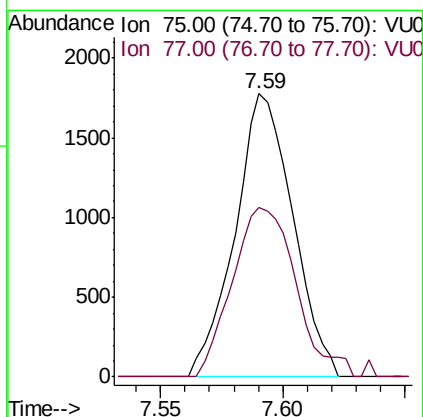
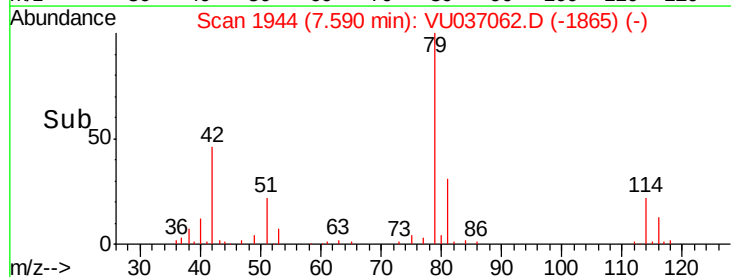
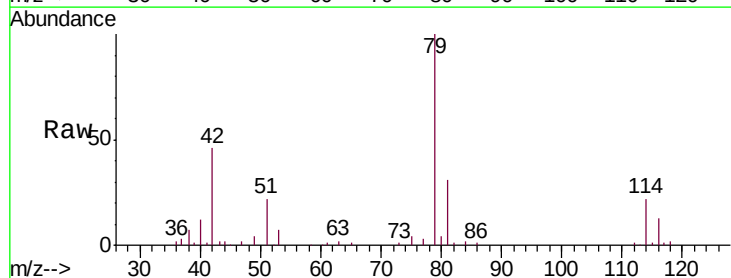
Instrument :
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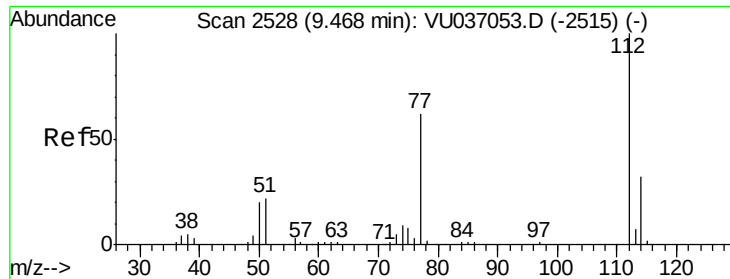
Tgt Ion: 63 Resp: 12470
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.953 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.05 min
 Lab File: VU037062.D
 Acq: 05 Mar 2020 01:15

Tgt Ion: 75 Resp: 2922
 Ion Ratio Lower Upper
 75 100
 77 59.9 22.0 41.0#





#51

Chlorobenzene

Concen: 37.999 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU037062.D

Acq: 05 Mar 2020 01:15

Instrument :

MSVOA_U

ClientSampleId :

C0DG6

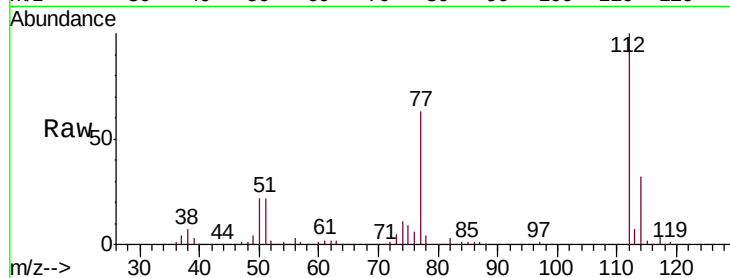
Tgt Ion:112 Resp: 177390

Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.5

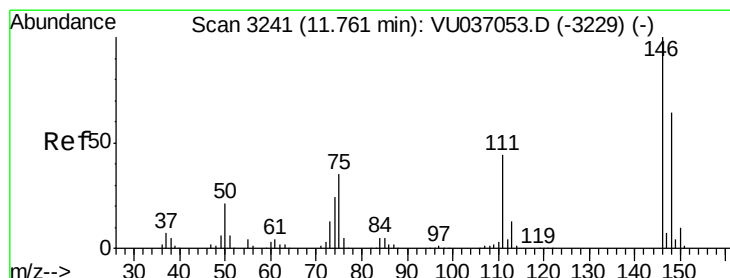
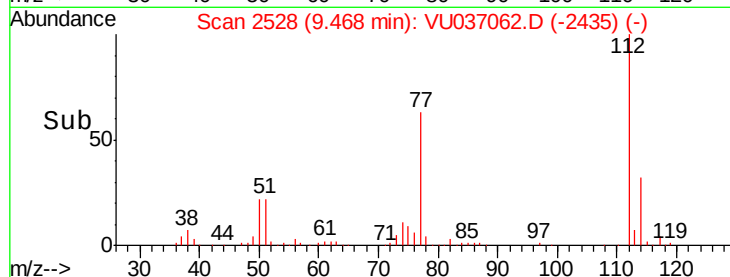
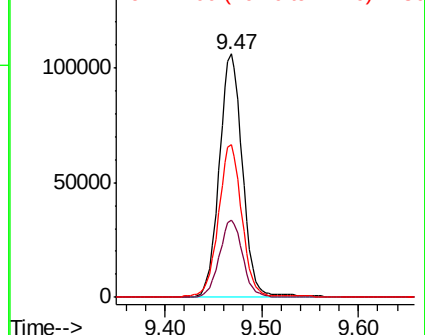
77 62.9 50.1 75.1



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



#62

1,3-Dichlorobenzene

Concen: 1.915 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VU037062.D

Acq: 05 Mar 2020 01:15

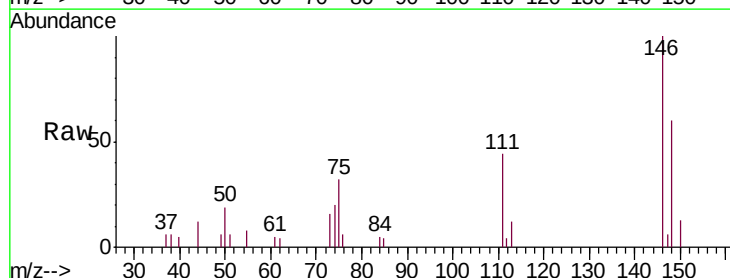
Tgt Ion:146 Resp: 5043

Ion Ratio Lower Upper

146 100

111 43.7 30.7 56.9

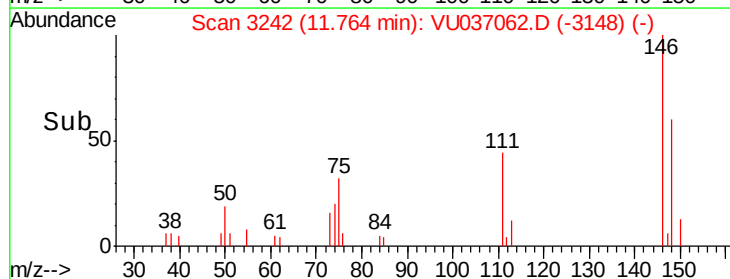
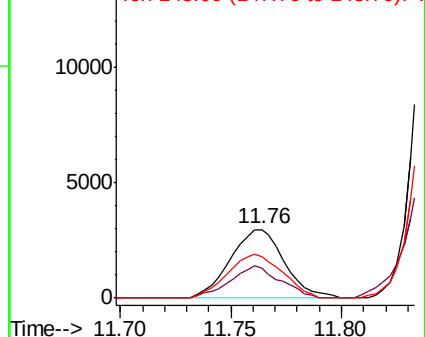
148 60.2 44.2 82.2

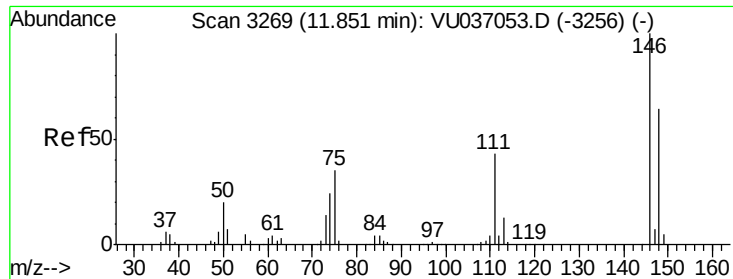


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

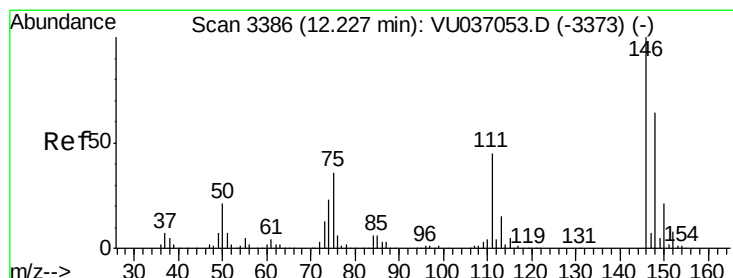
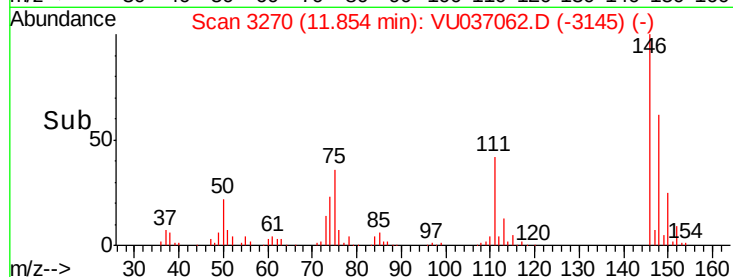
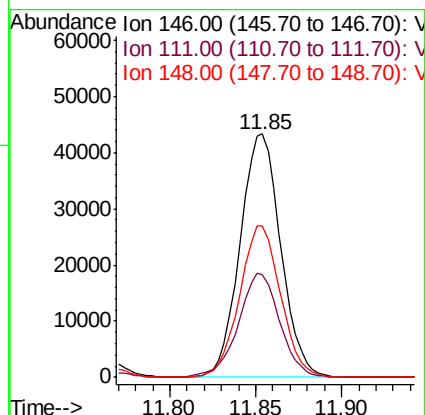
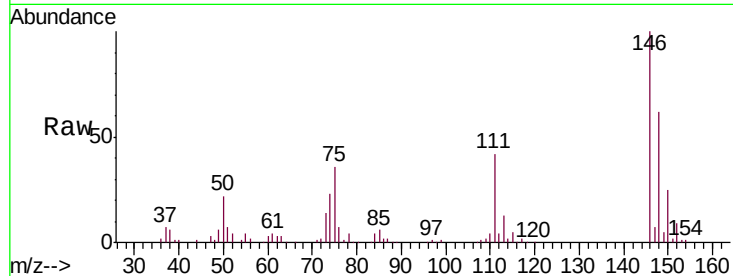




#63
 1,4-Dichlorobenzene
 Concen: 27.345 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037062.D
 Acq: 05 Mar 2020 01:15

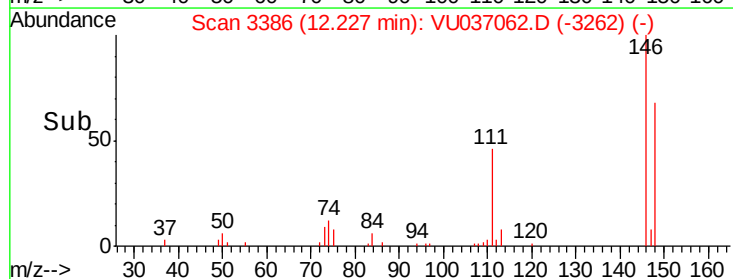
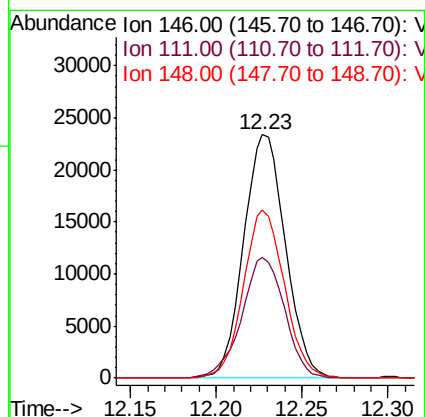
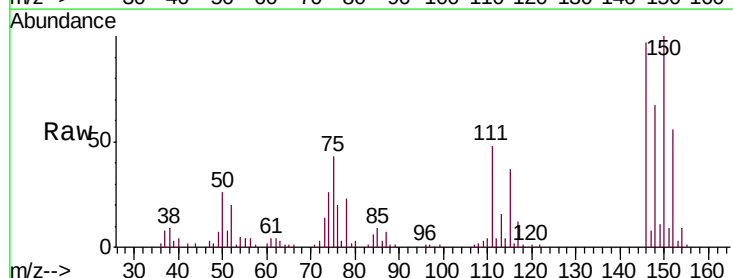
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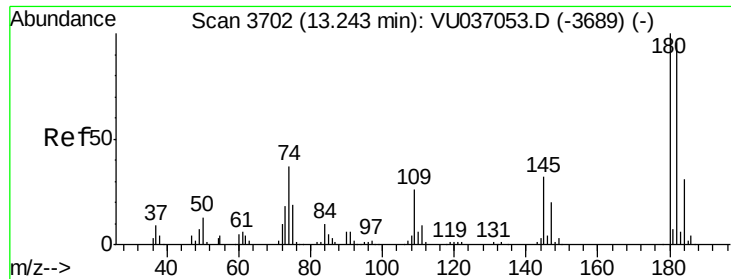
Tgt Ion:146 Resp: 71137
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.8 55.4
 148 62.3 45.1 83.9



#65
 1,2-Dichlorobenzene
 Concen: 15.009 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037062.D
 Acq: 05 Mar 2020 01:15

Tgt Ion:146 Resp: 39459
 Ion Ratio Lower Upper
 146 100
 111 49.8 35.4 53.0
 148 69.2 50.5 75.7

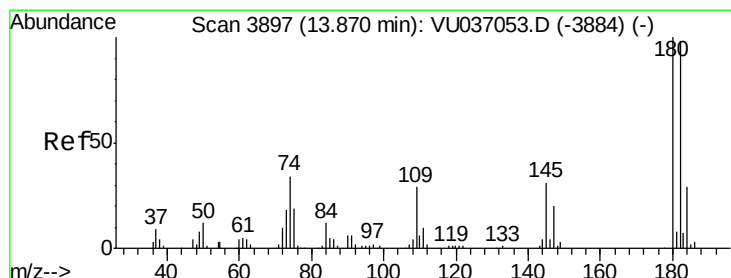
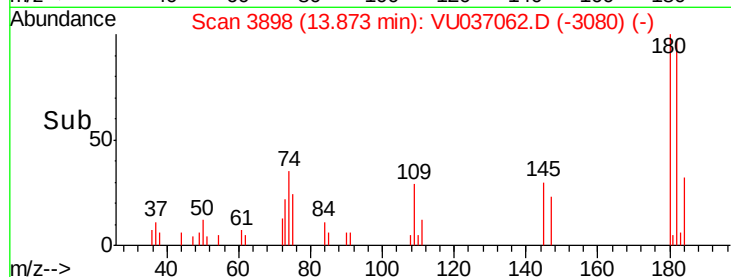
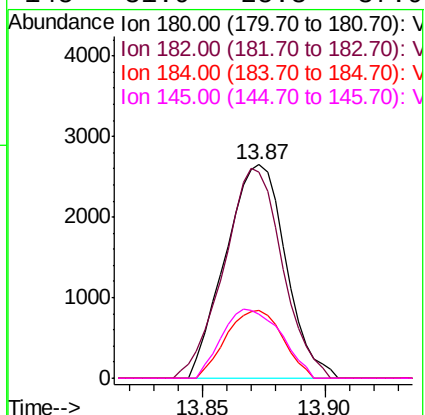
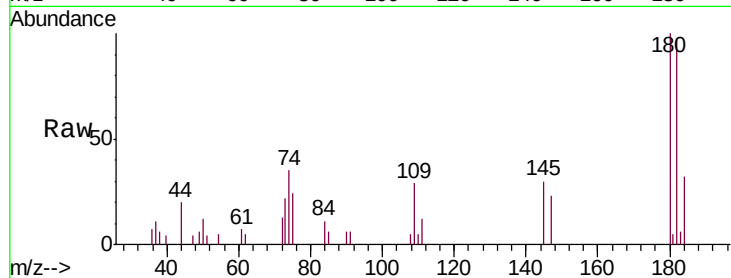




#67
 1,3,5-Trichlorobenzene
 Concen: 2.716 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.63 min
 Lab File: VU037062.D
 Acq: 05 Mar 2020 01:15

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DG6

Tgt Ion:	180	Resp:	4540
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.9	115.3
184	29.9	24.2	36.2
145	31.9	25.3	37.9



#68
 1,2,4-trichlorobenzene
 Concen: 3.626 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.00 min
 Lab File: VU037062.D
 Acq: 05 Mar 2020 01:15

Tgt Ion:	180	Resp:	4540
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.3	112.9
145	31.9	26.2	39.4

