

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033020\
 Data File : VU037457.D
 Acq On : 30 Mar 2020 12:39
 Operator : JC/MD
 Sample : L2001-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 31 01:19:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Mar 31 01:16:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	86785	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	80912	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	39556	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	28805	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.93	69	26326	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.80%
11) 1,1-Dichloroethene-d2	2.59	63	42112	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	4.67	46	96001	54.98	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.96%
24) Chloroform-d	5.11	84	65232	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.74	65	38283	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.00%
32) Benzene-d6	5.76	84	124199	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	6.72	67	43012	5.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.20%
41) Toluene-d8	7.92	98	109295	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	8.20	79	16715	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.66	63	83602	57.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.60%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	35050	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	39949	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Ovalue
3) Chloromethane	1.50	50	10188	1.578 ug/L #	41
8) Chloroethane	2.17	64	3472	0.916 ug/L #	47
12) 1,1-Dichloroethene	2.59	96	441	0.077 ug/L #	1
13) Acetone	2.67	43	12497	12.456 ug/L	99
14) Carbon disulfide	2.82	76	15032	0.770 ug/L	96
15) Methyl Acetate	2.99	43	2112	0.753 ug/L #	79
21) 2-Butanone	4.76	43	4065	2.383 ug/L	80
25) Chloroform	5.13	83	28293	2.411 ug/L	99
31) Carbon tetrachloride	5.56	117	7598	0.865 ug/L	97
35) Methylcyclohexane	6.73	83	9794	0.907 ug/L #	18
37) 1,2-Dichloropropane	6.73	63	5061	0.817 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	1305	0.129 ug/L #	57
42) Toluene	8.00	91	4707	0.182 ug/L	95
59) 1,2,3-Trichloropropane	11.83	75	6199	1.439 ug/L	89
63) 1,4-Dichlorobenzene	11.85	146	1265	0.093 ug/L #	80

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QLast Update : Tue Mar 31 01:16:50 2020
Response via : Initial Calibration

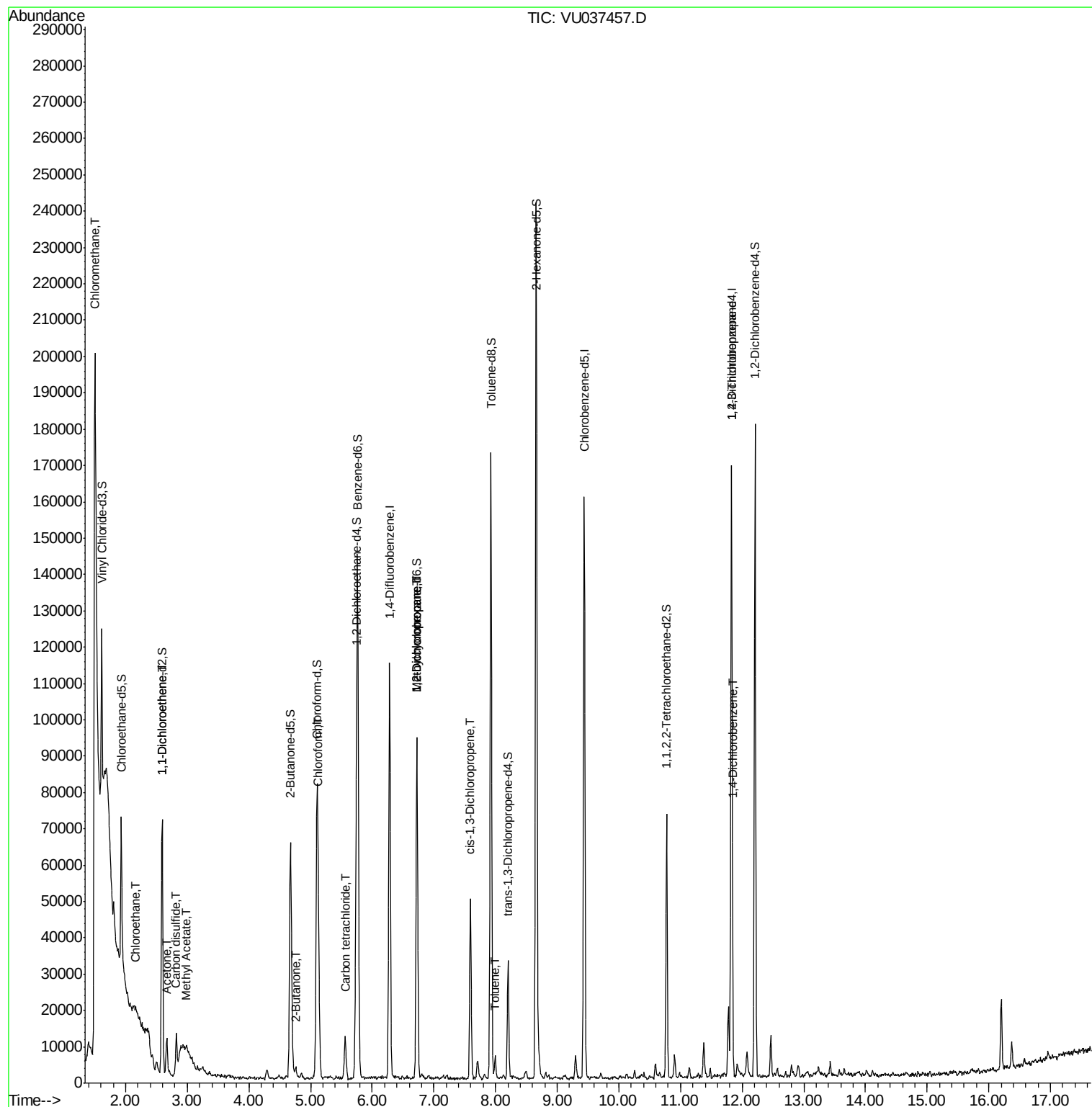
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

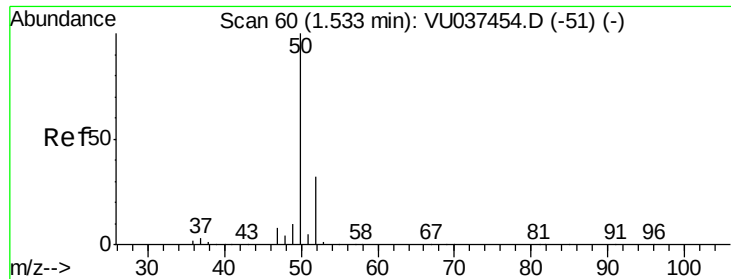
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 1.578 ug/L

RT: 1.50 min Scan# 50

Delta R.T. -0.03 min

Lab File: VU037457.D

Acq: 30 Mar 2020 12:39

Instrument :

MSVOA_U

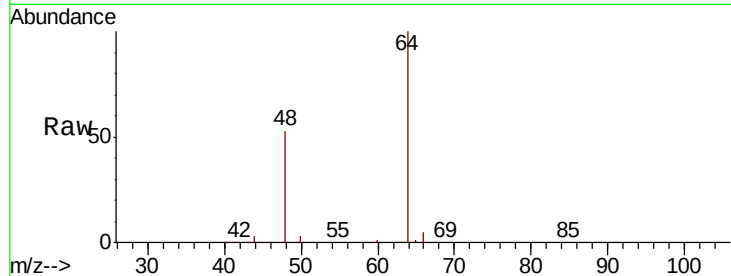
ClientSampleId :

Tot Ion: 50 Resp: 10188

Ion Ratio Lower Upper

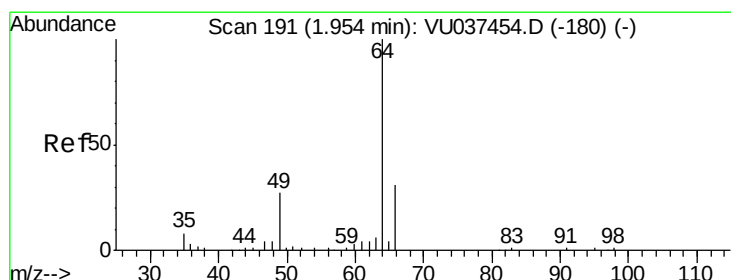
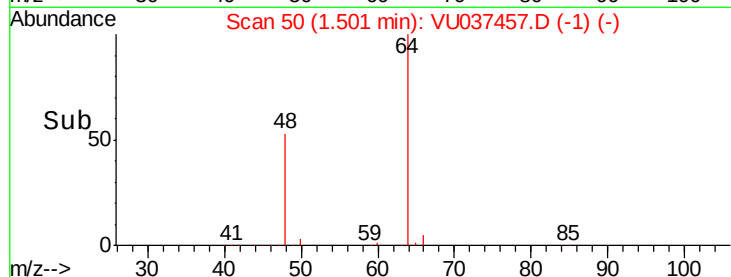
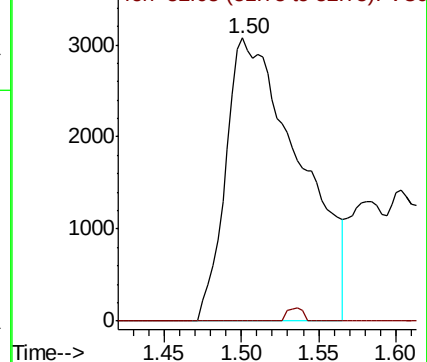
50 100

52 0.0 23.6 43.8#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.916 ug/L

RT: 2.17 min Scan# 257

Delta R.T. 0.21 min

Lab File: VU037457.D

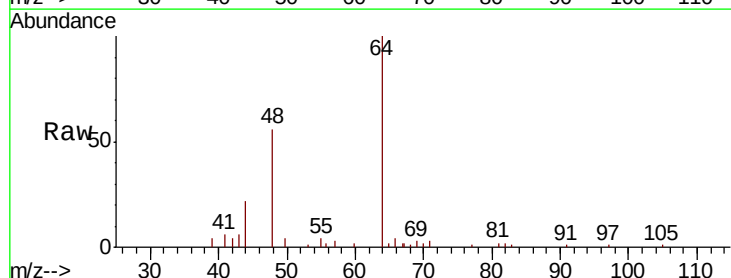
Acq: 30 Mar 2020 12:39

Tgt Ion: 64 Resp: 3472

Ion Ratio Lower Upper

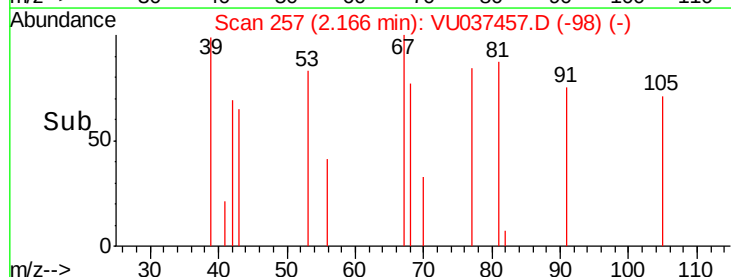
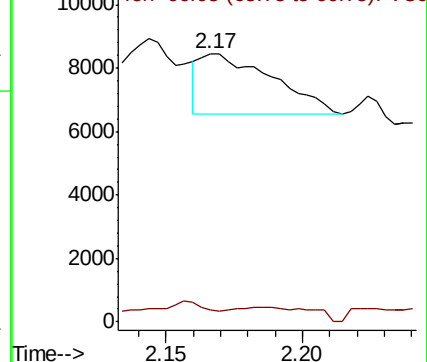
64 100

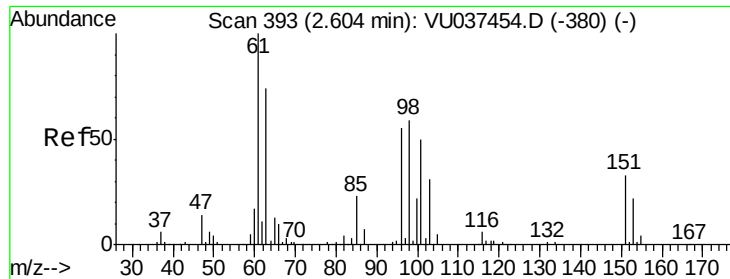
66 4.3 24.8 46.0#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#12

1,1-Dichloroethene

Concen: 0.077 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU037457.D

Acq: 30 Mar 2020 12:39

Instrument :
MSVOA_U
ClientSampleId :

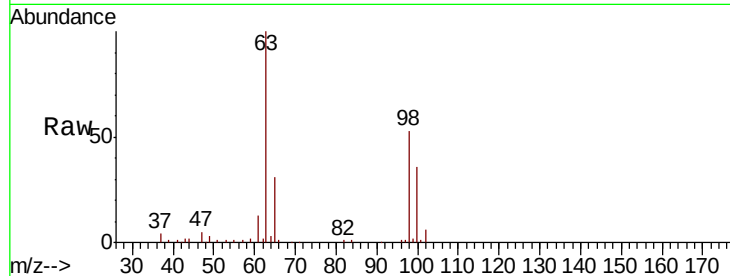
Tot Ion: 96 Resp: 441

Ion Ratio Lower Upper

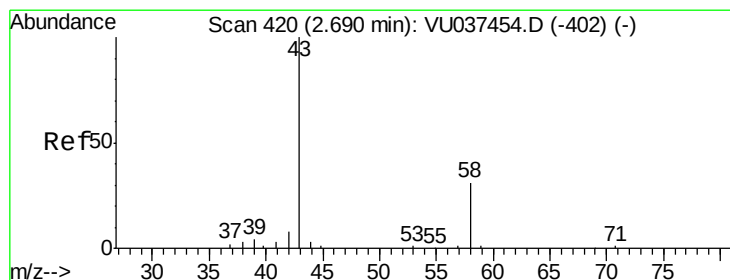
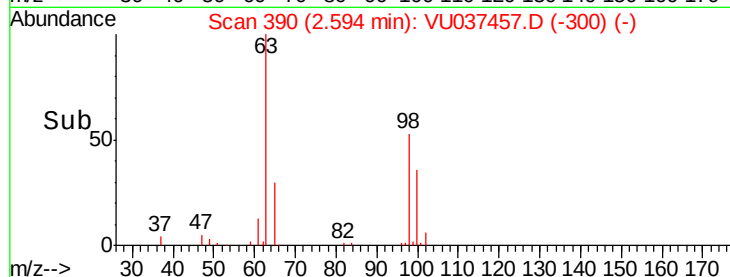
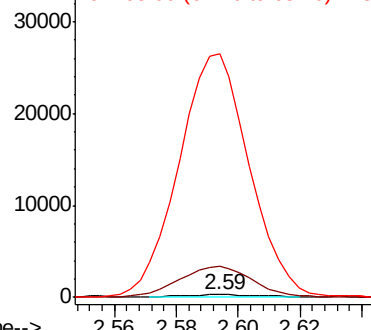
96 100

61 1174.4 125.4 232.8#

63 9294.0 90.9 168.7#



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: 12.456 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.02 min

Lab File: VU037457.D

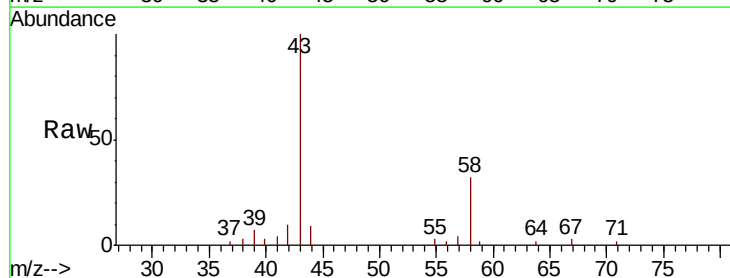
Acq: 30 Mar 2020 12:39

Tgt Ion: 43 Resp: 12497

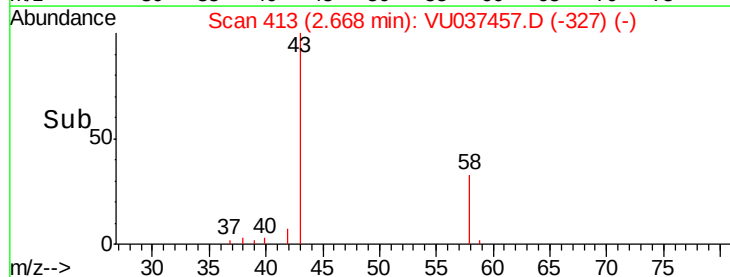
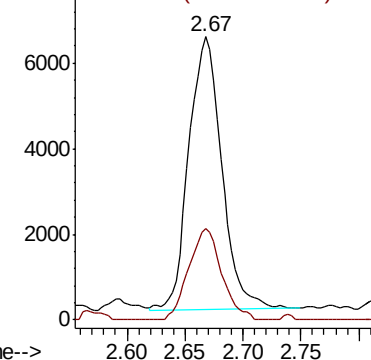
Ion Ratio Lower Upper

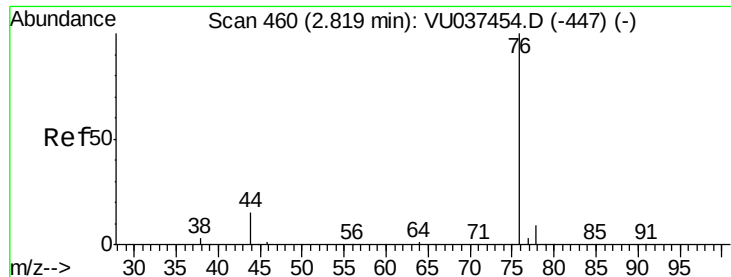
43 100

58 33.5 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 0.770 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU037457.D

Acq: 30 Mar 2020 12:39

Instrument :

MSVOA_U

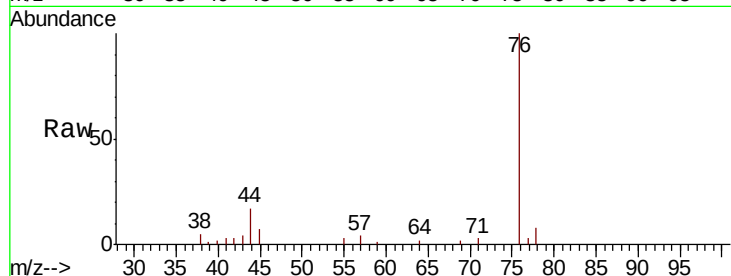
ClientSampleId :

Tot Ion: 76 Resp: 15032

Ion Ratio Lower Upper

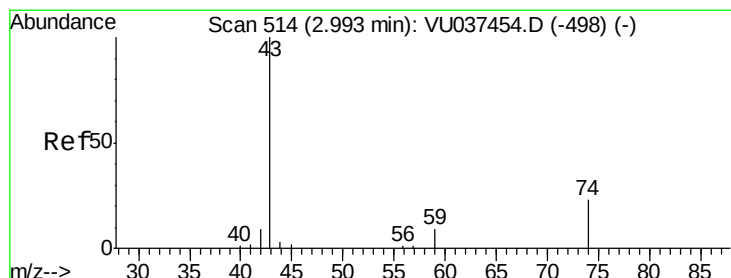
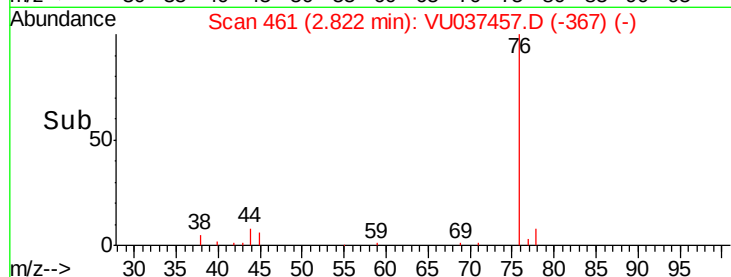
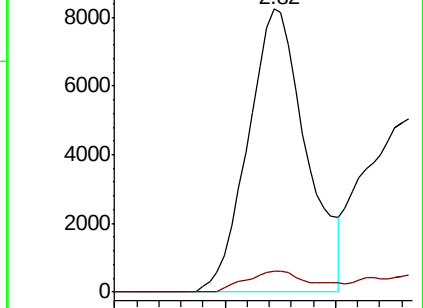
76 100

78 7.6 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU037457.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU037457.D (-447) (-)



#15

Methyl Acetate

Concen: 0.753 ug/L

RT: 2.99 min Scan# 512

Delta R.T. -0.01 min

Lab File: VU037457.D

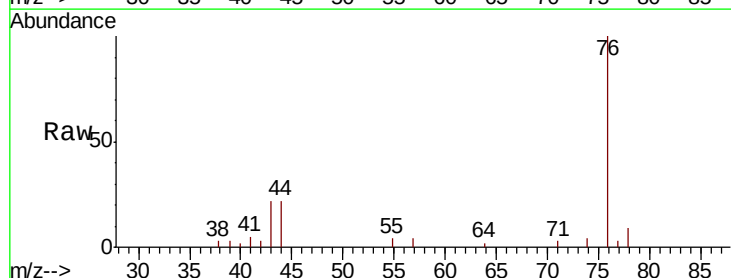
Acq: 30 Mar 2020 12:39

Tgt Ion: 43 Resp: 2112

Ion Ratio Lower Upper

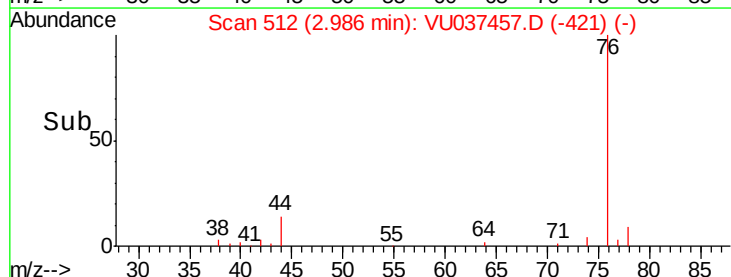
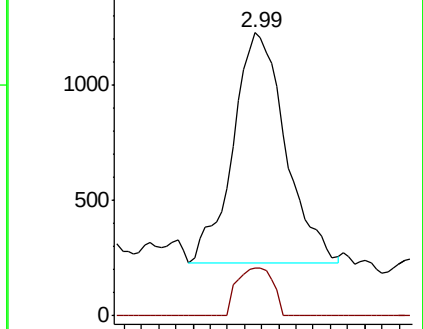
43 100

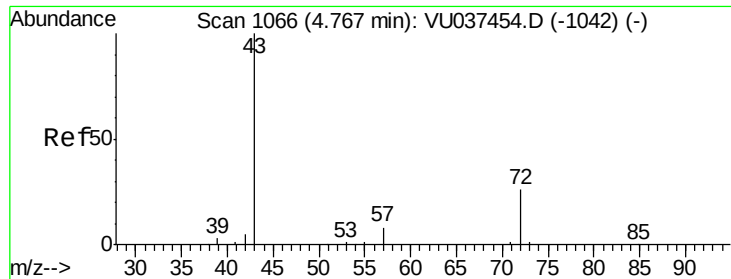
74 14.2 19.8 29.6#



Abundance Ion 43.05 (42.75 to 43.75): VU037457.D (-421) (-)

Ion 74.05 (73.75 to 74.75): VU037457.D (-421) (-)

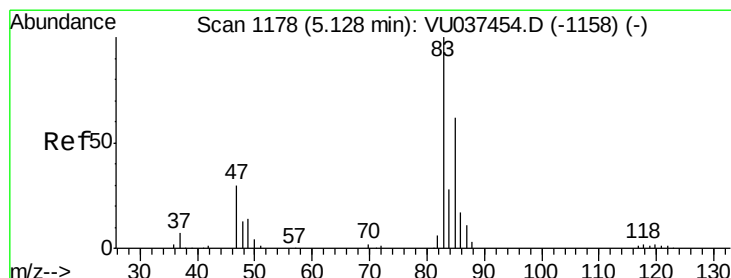
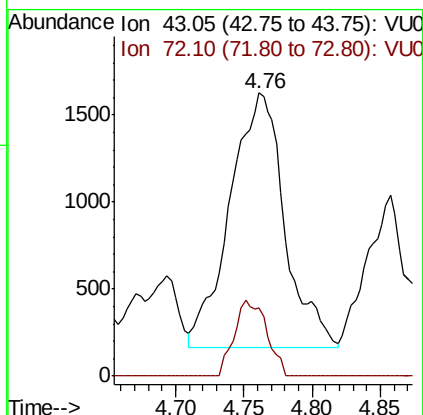
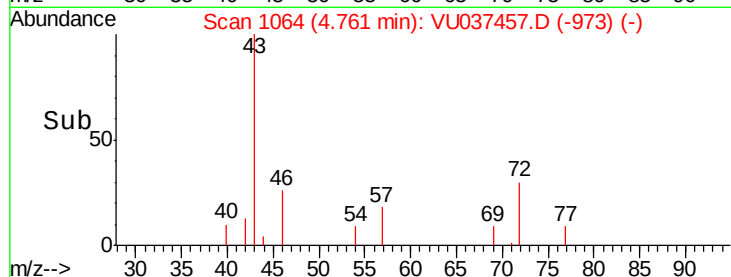
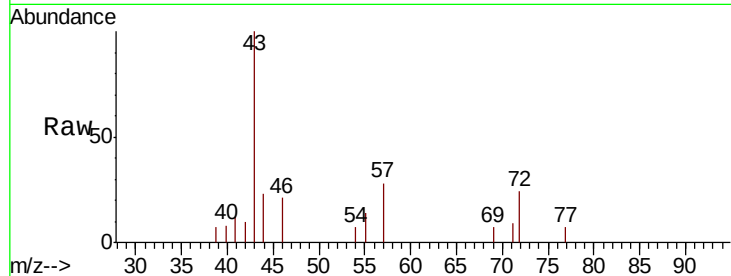




#21
 2-Butanone
 Concen: 2.383 ug/L
 RT: 4.76 min Scan# 1064
 Delta R.T. -0.01 min
 Lab File: VU037457.D
 Acq: 30 Mar 2020 12:39

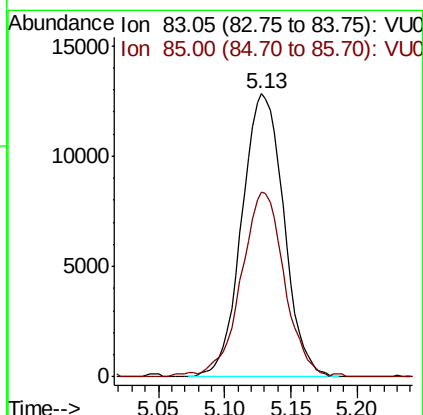
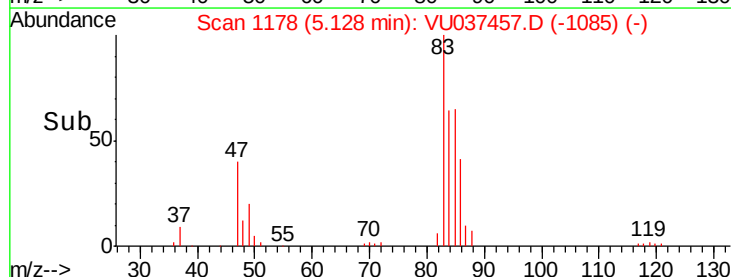
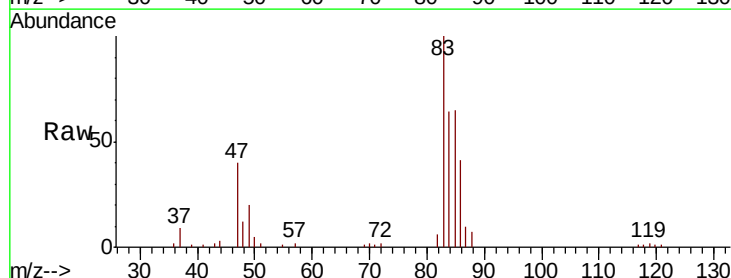
Instrument :
 MSVOA_U
 ClientSampled :

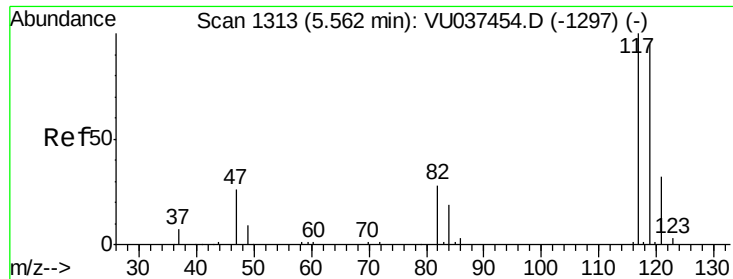
Tot Ion: 43 Resp: 4065
 Ion Ratio Lower Upper
 43 100
 72 17.7 14.2 42.6



#25
 Chloroform
 Concen: 2.411 ug/L
 RT: 5.13 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VU037457.D
 Acq: 30 Mar 2020 12:39

Tgt Ion: 83 Resp: 28293
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.4 84.4

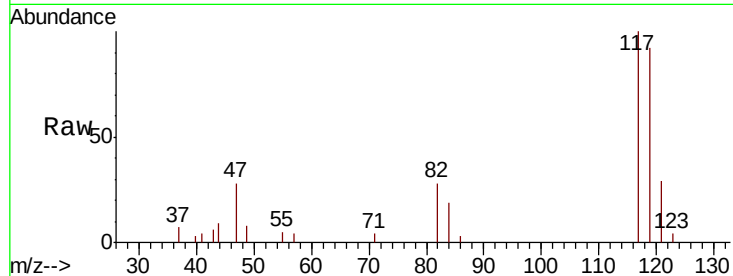




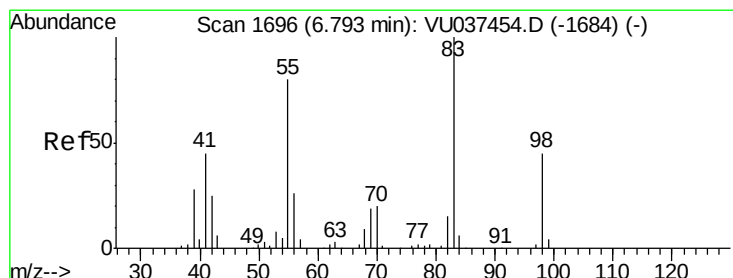
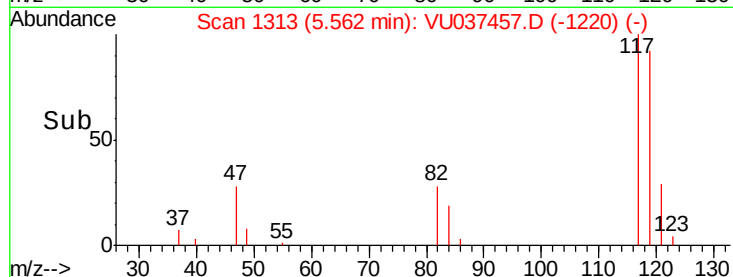
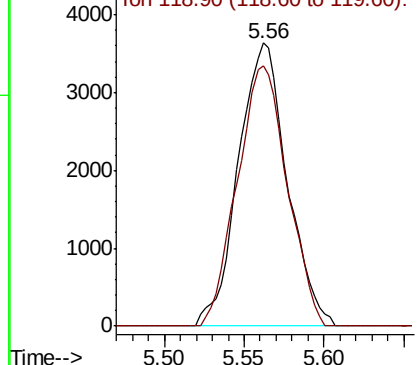
#31
Carbon tetrachloride
Concen: 0.865 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU037457.D
Acq: 30 Mar 2020 12:39

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 7598
Ion Ratio Lower Upper
117 100
119 93.8 77.7 116.5

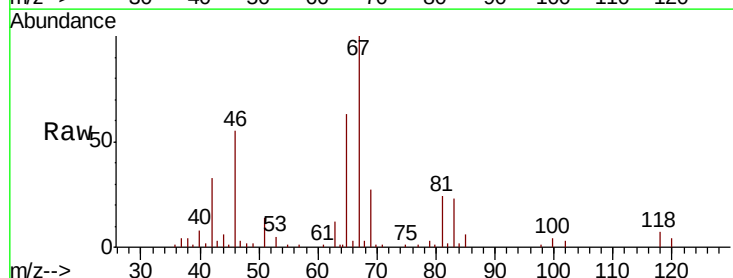


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

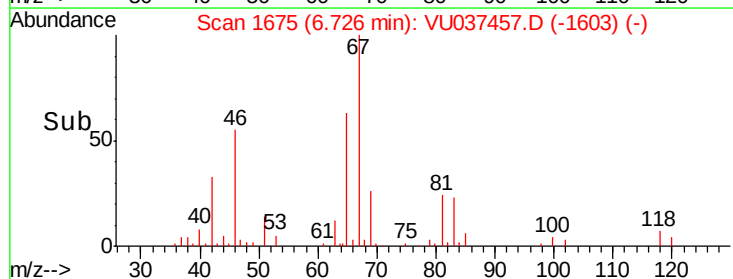
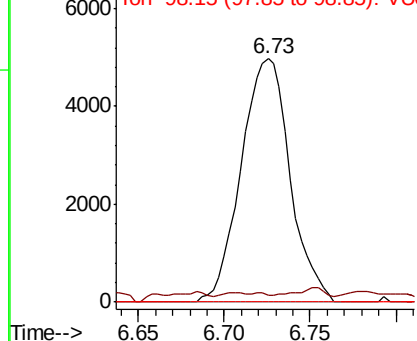


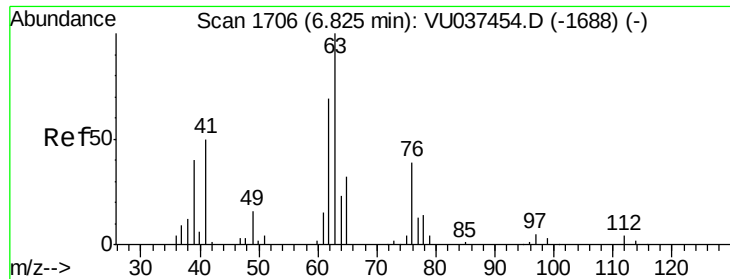
#35
Methylcyclohexane
Concen: 0.907 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.07 min
Lab File: VU037457.D
Acq: 30 Mar 2020 12:39

Tgt Ion: 83 Resp: 9794
Ion Ratio Lower Upper
83 100
55 0.7 64.2 96.4#
98 0.0 36.3 54.5#



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

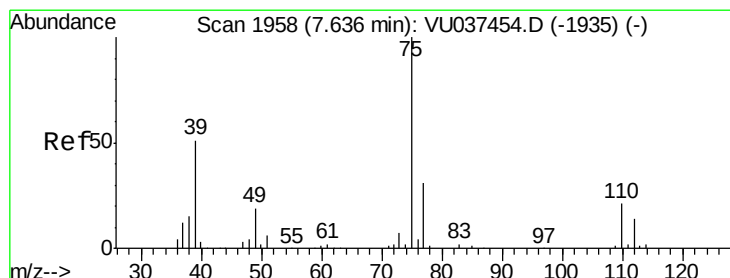
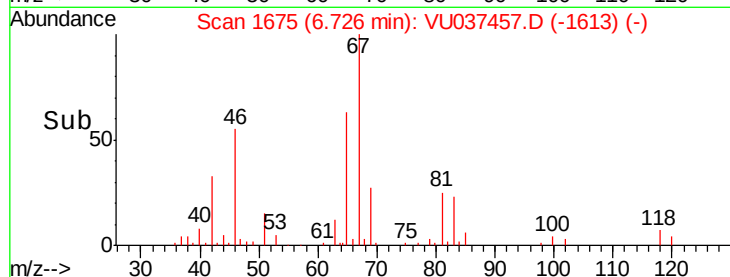
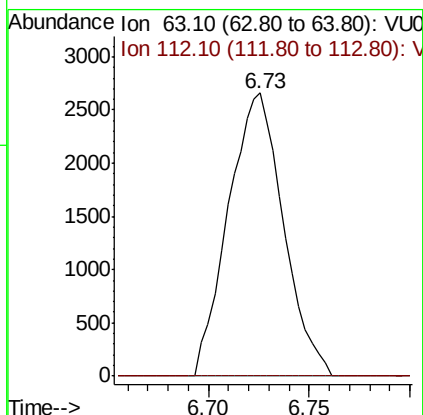
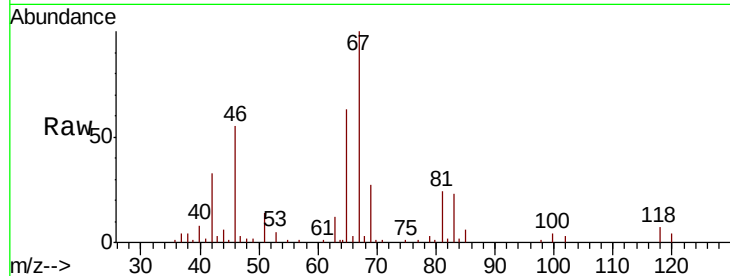




#37
 1,2-Dichloropropane
 Concen: 0.817 ug/L
 RT: 6.73 min Scan# 1675
 Delta R.T. -0.10 min
 Lab File: VU037457.D
 Acq: 30 Mar 2020 12:39

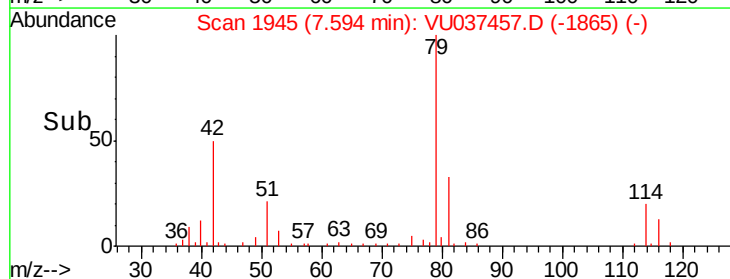
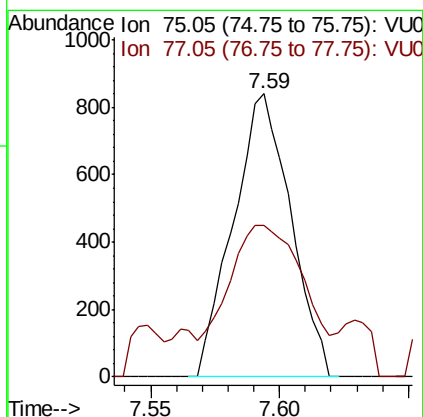
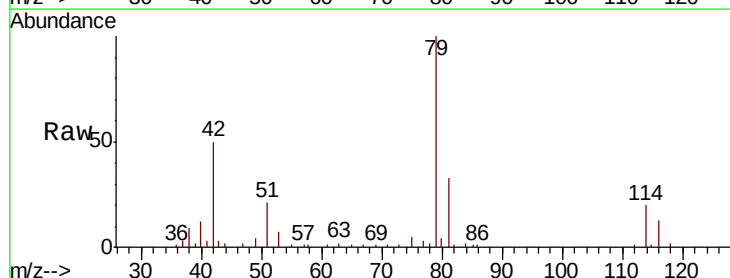
Instrument :
 MSVOA_U
 ClientSampleId :

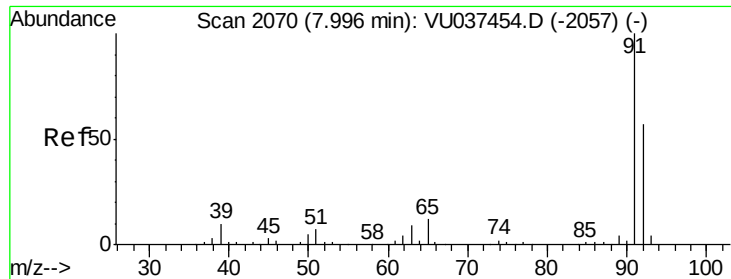
Tot Ion: 63 Resp: 5061
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.129 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037457.D
 Acq: 30 Mar 2020 12:39

Tgt Ion: 75 Resp: 1305
 Ion Ratio Lower Upper
 75 100
 77 53.6 21.1 39.3#





#42

Toluene

Concen: 0.182 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU037457.D

Acq: 30 Mar 2020 12:39

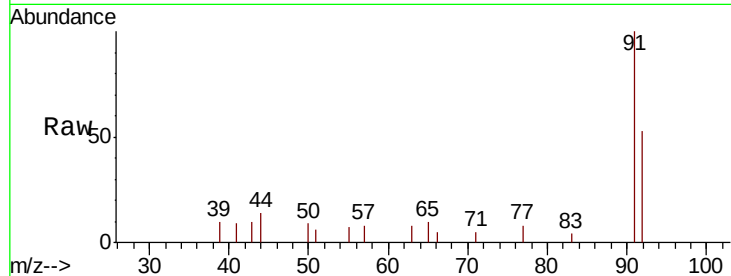
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 4707

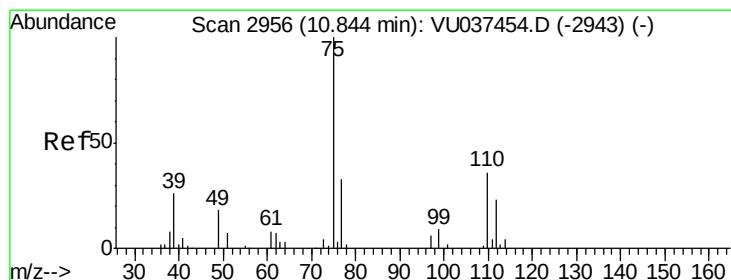
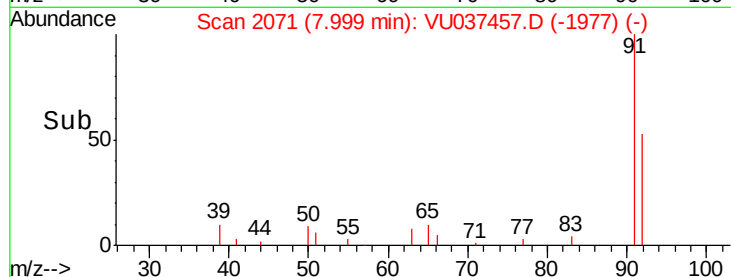
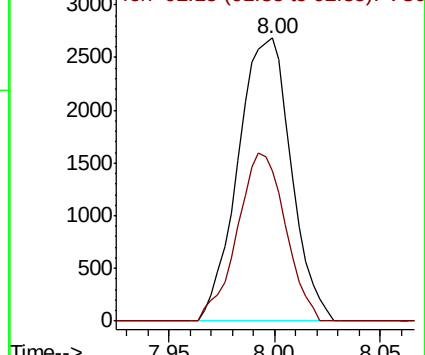
Ion Ratio Lower Upper

91 100

92 52.9 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU037454.D (-2057) (-)



#59

1,2,3-Trichloropropane

Concen: 1.439 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.98 min

Lab File: VU037457.D

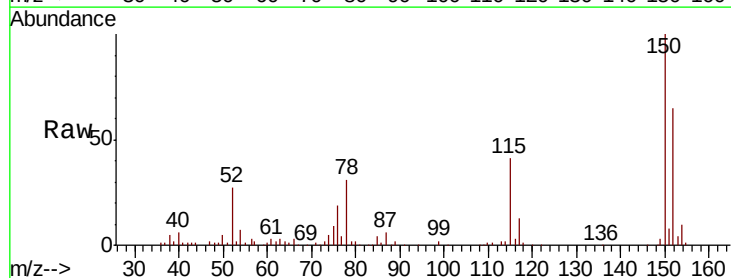
Acq: 30 Mar 2020 12:39

Tgt Ion: 75 Resp: 6199

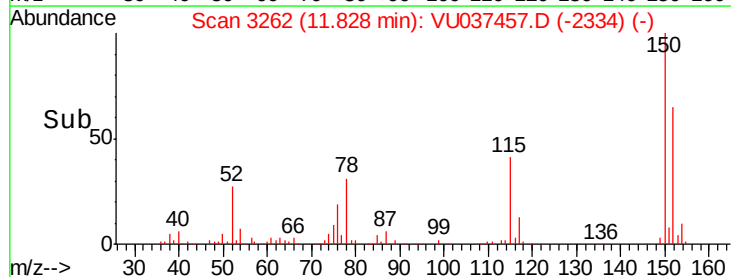
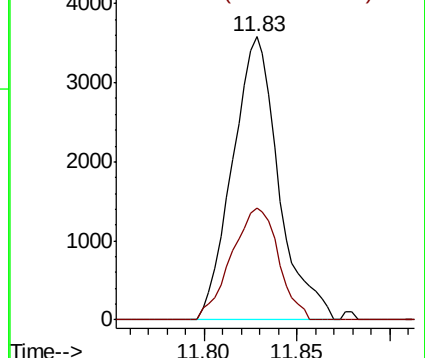
Ion Ratio Lower Upper

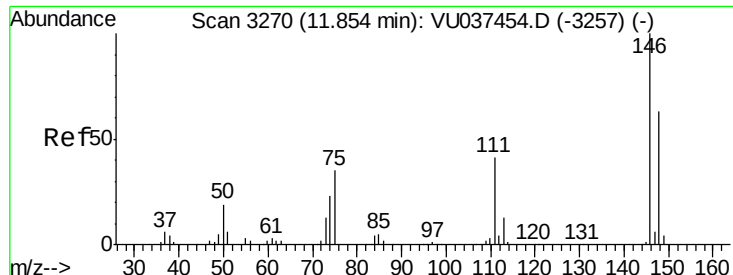
75 100

77 40.4 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU037454.D (-2943) (-)





#63

1,4-Dichlorobenzene

Concen: 0.093 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU037457.D

Acq: 30 Mar 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

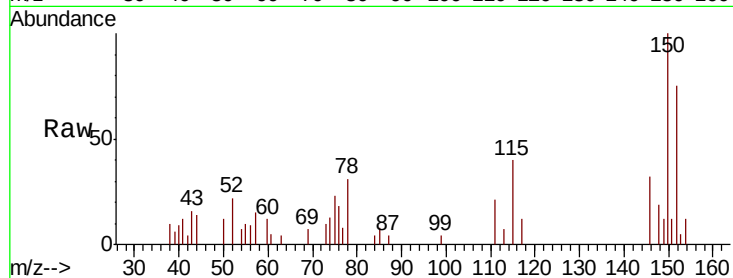
Tot Ion:146 Resp: 1265

Ion Ratio Lower Upper

146 100

111 66.2 28.8 53.6#

148 58.6 44.5 82.7



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

