

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032820\
 Data File : VU037423.D
 Acq On : 28 Mar 2020 17:47
 Operator : JC/MD
 Sample : L2002-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 30 00:23:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Mar 30 00:15:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	114498	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	109624	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	53279	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	39821	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.93	69	32293	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.59	63	61352	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	4.66	46	105753	45.91	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.82%
24) Chloroform-d	5.10	84	70003	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
26) 1,2-Dichloroethane-d4	5.74	65	44141	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.76	84	153257	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.73	67	49507	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.93	98	144703	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	8.20	79	22905	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.66	63	95710	48.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.68%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	40805	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	53703	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

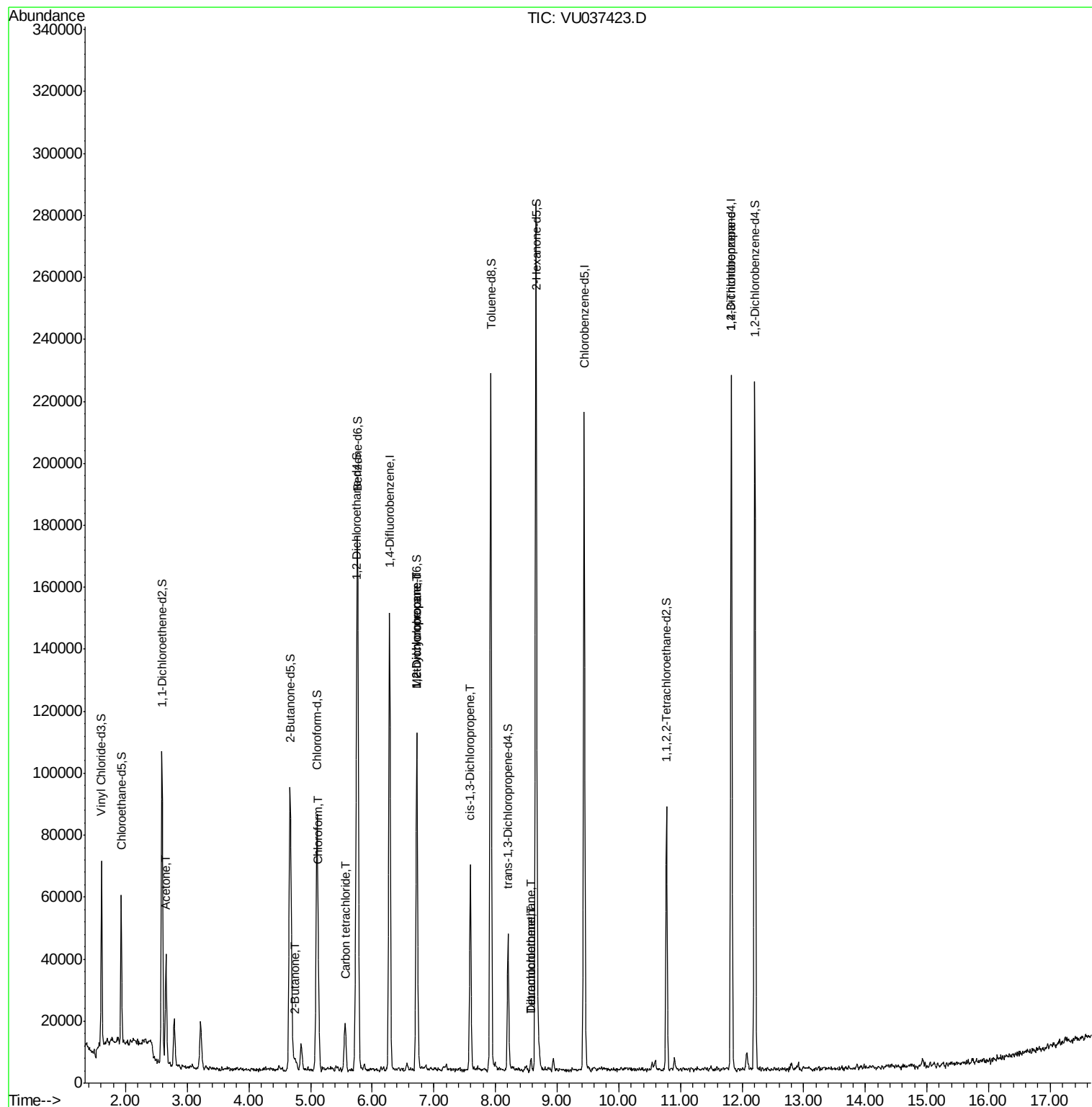
					Ovalue
13) Acetone	2.66	43	37798	28.555	ug/L 100
21) 2-Butanone	4.75	43	3513	1.561	ug/L 93
25) Chloroform	5.13	83	16071	1.038	ug/L 98
31) Carbon tetrachloride	5.56	117	9914	0.833	ug/L 98
35) Methylcyclohexane	6.72	83	12130	0.829	ug/L # 18
37) 1,2-Dichloropropane	6.73	63	5347	0.637	ug/L # 88
39) cis-1,3-Dichloropropene	7.59	75	1804	0.132	ug/L # 45
47) Tetrachloroethene	8.57	164	733	0.115	ug/L 90
49) Dibromochloromethane	8.57	129	712	0.092	ug/L # 11
59) 1,2,3-Trichloropropane	11.83	75	7163	1.227	ug/L 90

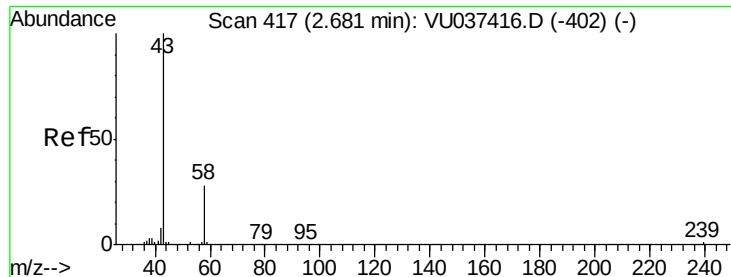
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 28.555 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.03 min

Lab File: VU037423.D

Acq: 28 Mar 2020 17:47

Instrument :

MSVOA_U

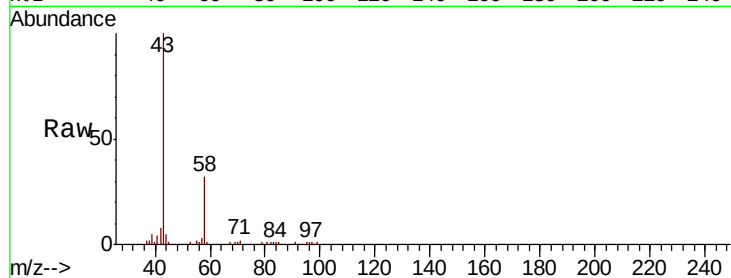
ClientSampled :

Tot Ion: 43 Resp: 37798

Ion Ratio Lower Upper

43 100 0.0 66.0

58 33.1 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU037416.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU037416.D (-402) (-)

25000

20000

15000

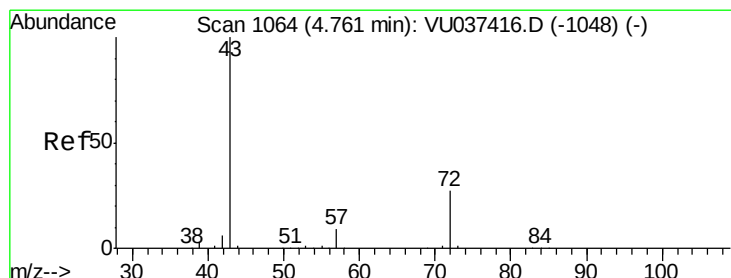
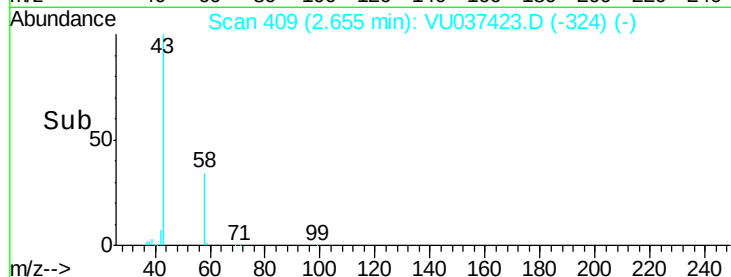
10000

5000

0

2.60 2.65 2.70

Time-->



#21

2-Butanone

Concen: 1.561 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VU037423.D

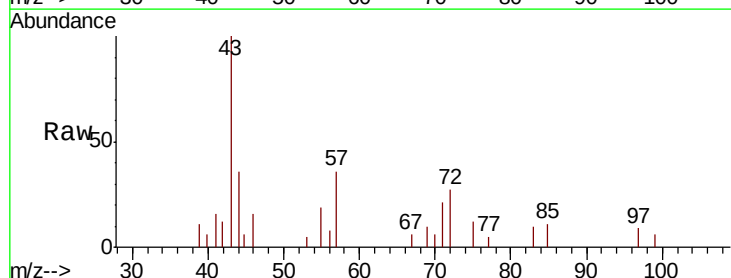
Acq: 28 Mar 2020 17:47

Tgt Ion: 43 Resp: 3513

Ion Ratio Lower Upper

43 100 14.2 42.6

72 24.9 14.2 42.6



Abundance Ion 43.05 (42.75 to 43.75): VU037416.D (-1048) (-)

Ion 72.10 (71.80 to 72.80): VU037416.D (-1048) (-)

5000

4000

3000

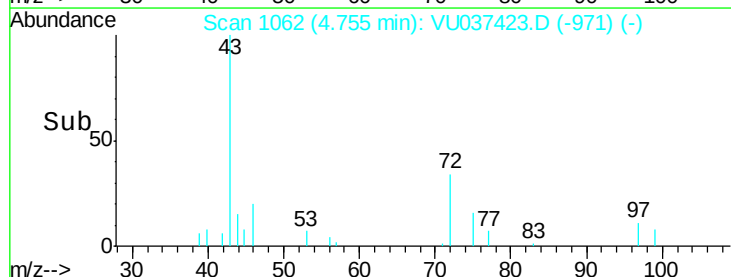
2000

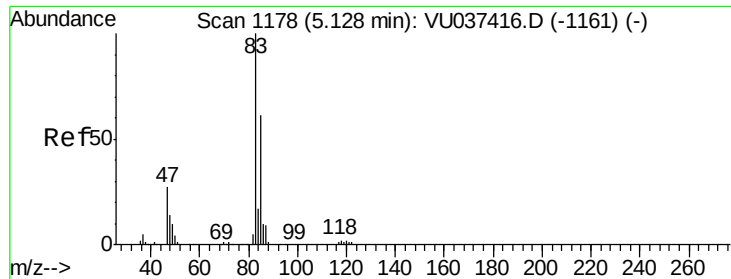
1000

0

4.70 4.75 4.80

Time-->

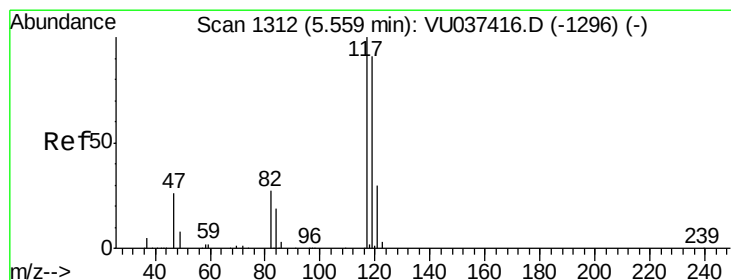
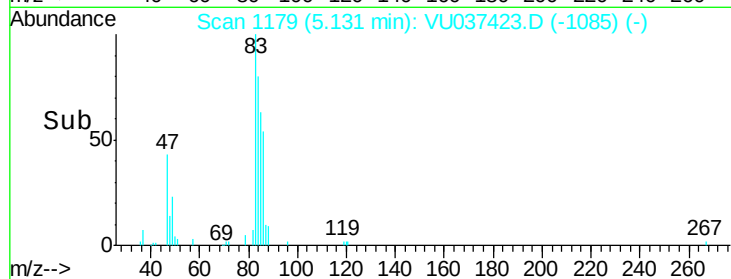
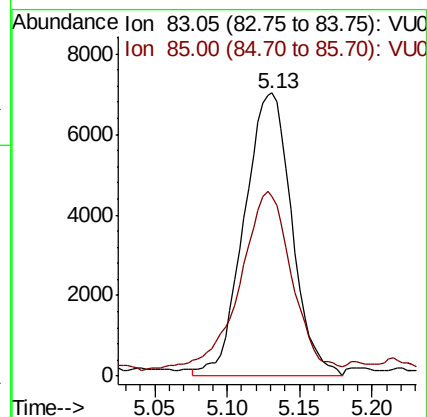
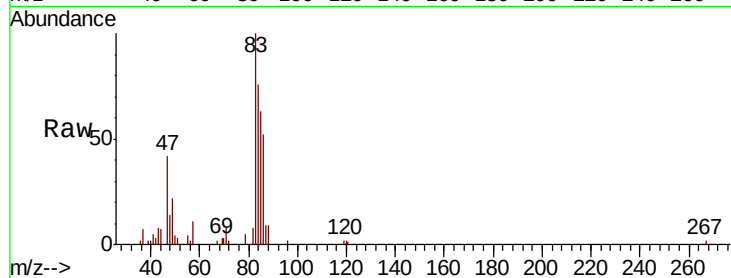




#25
Chloroform
Concen: 1.038 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU037423.D
Acq: 28 Mar 2020 17:47

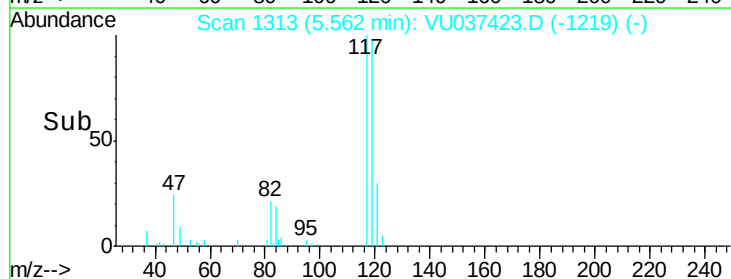
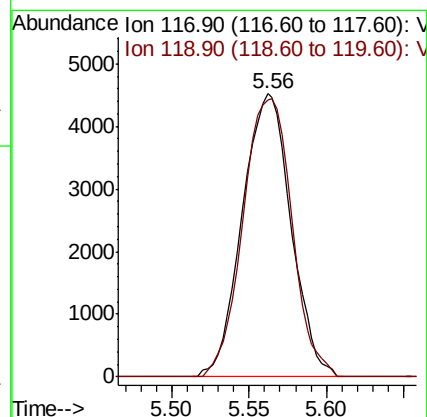
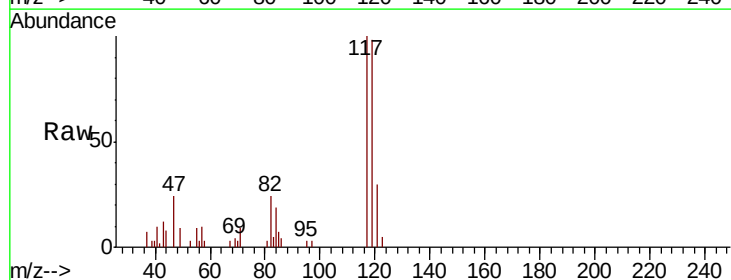
Instrument :
MSVOA_U
ClientSampleId :

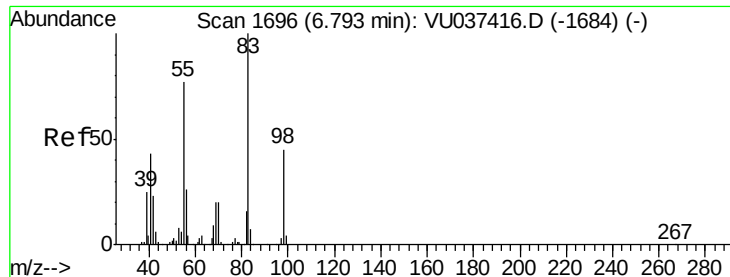
Tot Ion: 83 Resp: 16071
Ion Ratio Lower Upper
83 100
85 63.4 45.4 84.4



#31
Carbon tetrachloride
Concen: 0.833 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU037423.D
Acq: 28 Mar 2020 17:47

Tgt Ion: 117 Resp: 9914
Ion Ratio Lower Upper
117 100
119 98.8 77.7 116.5

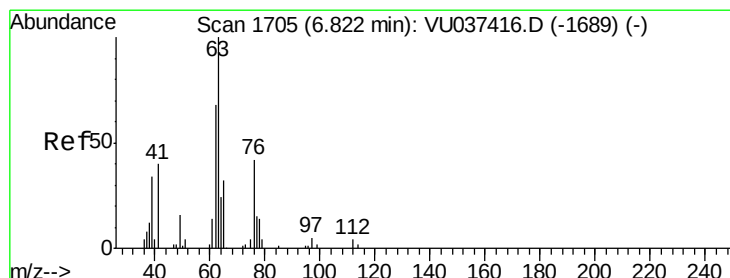
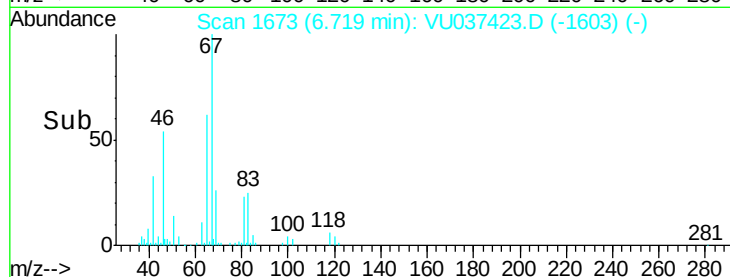
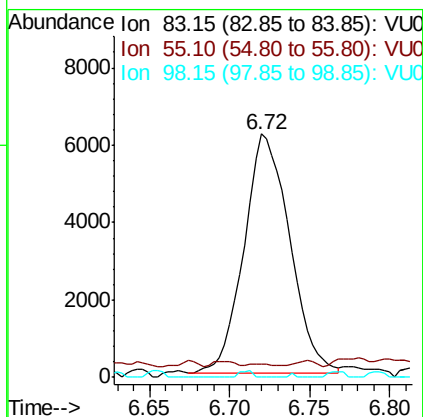
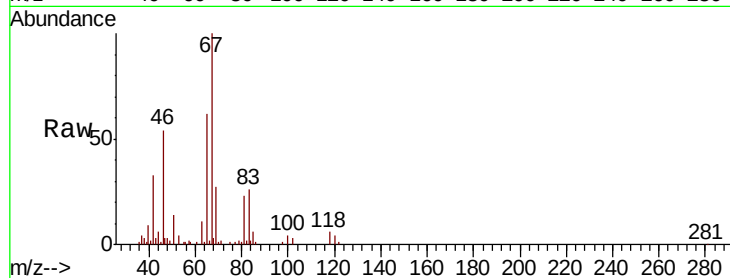




#35
Methylvlcyclohexane
Concen: 0.829 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU037423.D
Acq: 28 Mar 2020 17:47

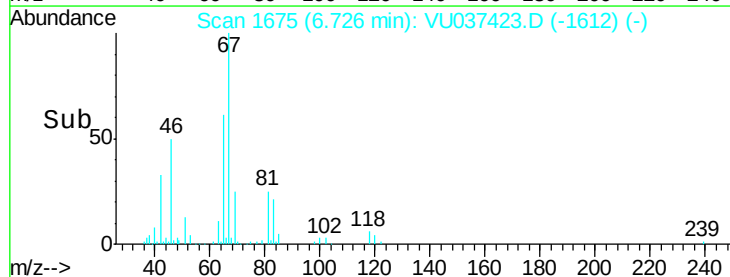
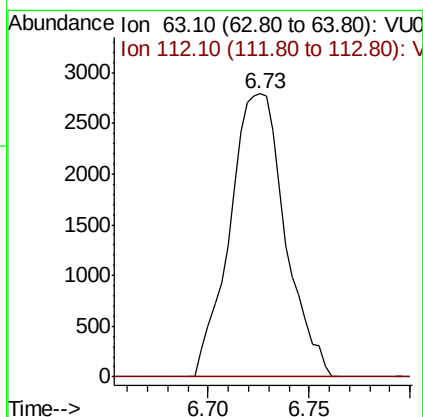
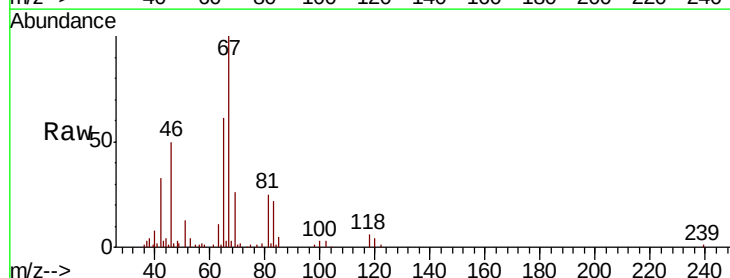
Instrument :
MSVOA_U
ClientSampleId :

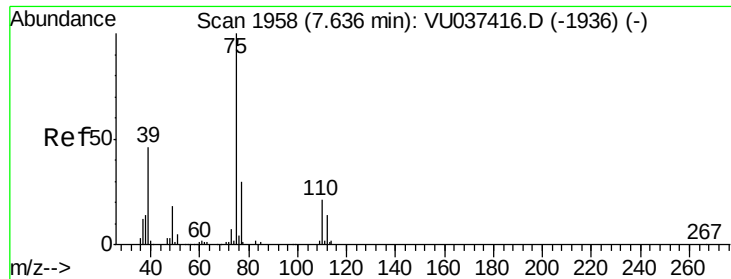
Tot Ion: 83 Resp: 12130
Ion Ratio Lower Upper
83 100
55 0.5 64.2 96.4#
98 0.7 36.3 54.5#



#37
1,2-Dichloropropane
Concen: 0.637 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.10 min
Lab File: VU037423.D
Acq: 28 Mar 2020 17:47

Tgt Ion: 63 Resp: 5347
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#





#39

cis-1,3-Dichloropropene

Concen: 0.132 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU037423.D

Acq: 28 Mar 2020 17:47

Instrument :

MSVOA_U

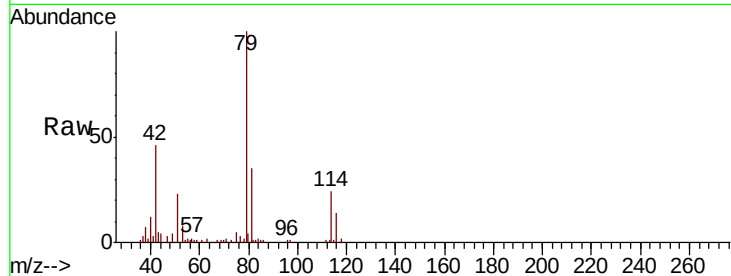
ClientSampleId :

Tot Ion: 75 Resp: 1804

Ion Ratio Lower Upper

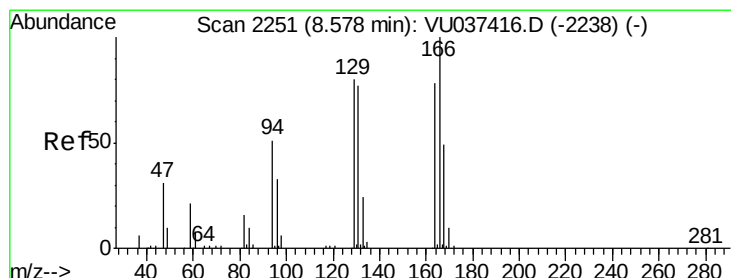
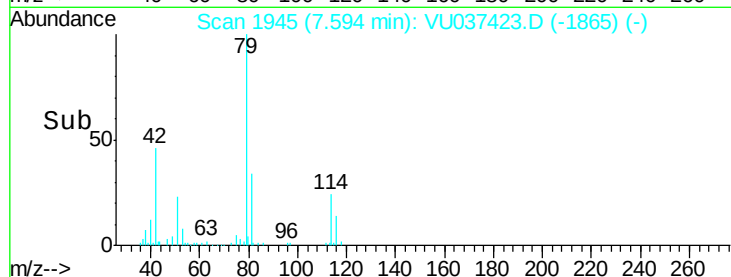
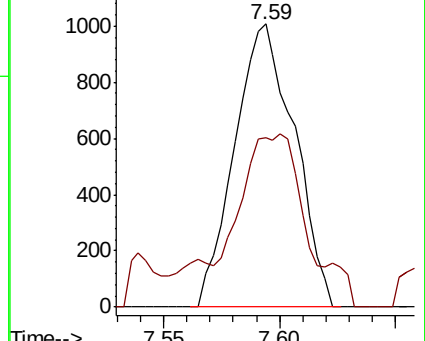
75 100

77 59.9 21.1 39.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 0.115 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.01 min

Lab File: VU037423.D

Acq: 28 Mar 2020 17:47

Tgt Ion: 164 Resp: 733

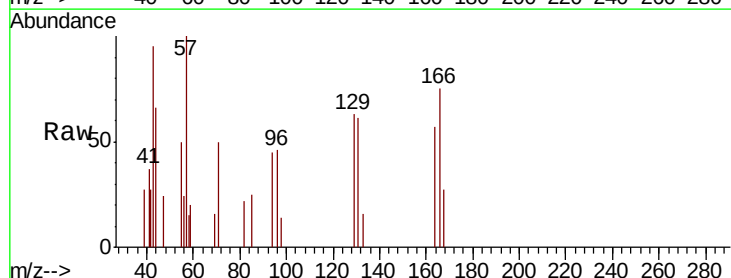
Ion Ratio Lower Upper

164 100

129 110.5 68.8 127.8

131 107.2 66.9 124.3

166 131.0 86.3 160.3

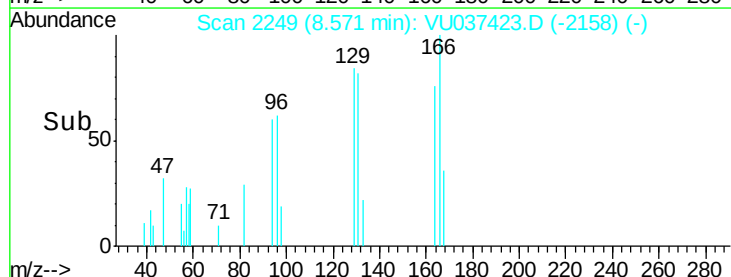
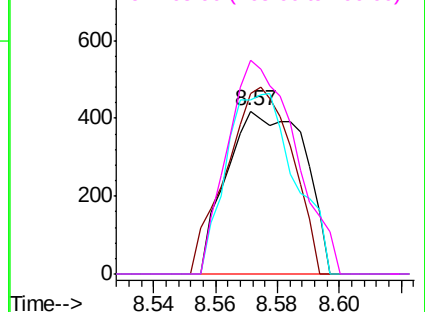


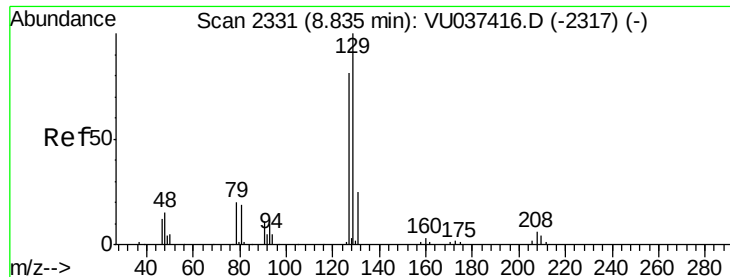
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#49

Dibromochloromethane

Concen: 0.092 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU037423.D

Acq: 28 Mar 2020 17:47

Instrument :

MSVOA_U

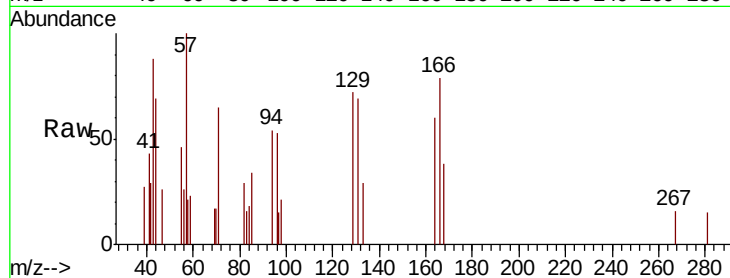
ClientSampled :

Tot Ion:129 Resp: 712

Ion Ratio Lower Upper

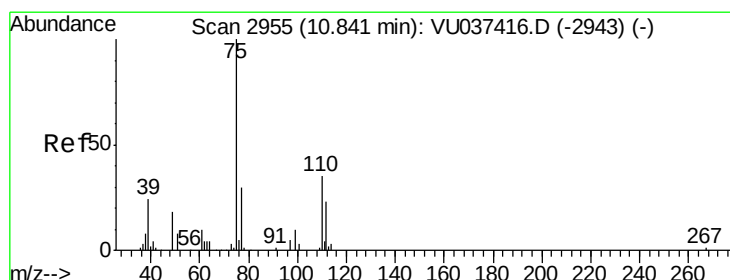
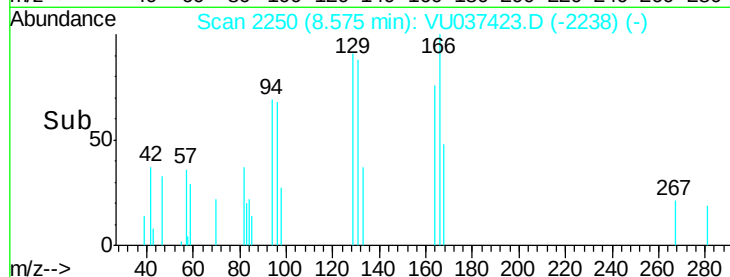
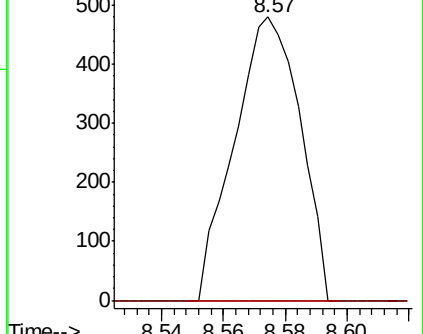
129 100

127 0.0 53.5 99.3#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.227 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037423.D

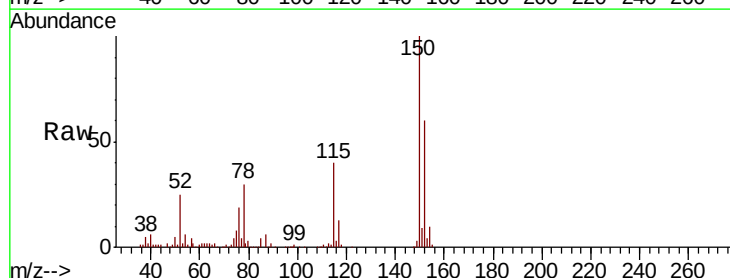
Acq: 28 Mar 2020 17:47

Tgt Ion: 75 Resp: 7163

Ion Ratio Lower Upper

75 100

77 40.2 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

