

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032820\
 Data File : VU037434.D
 Acq On : 28 Mar 2020 22:18
 Operator : JC/MD
 Sample : L2002-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 30 00:25:38 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	112139	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	104094	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	52893	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36852	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.93	69	32186	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	2.59	63	58572	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	4.67	46	109346	48.46	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.92%
24) Chloroform-d	5.11	84	69074	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
26) 1,2-Dichloroethane-d4	5.74	65	43491	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.76	84	148535	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.72	67	48533	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.92	98	141311	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	8.20	79	21574	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.66	63	94307	50.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.36%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	39619	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	51204	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

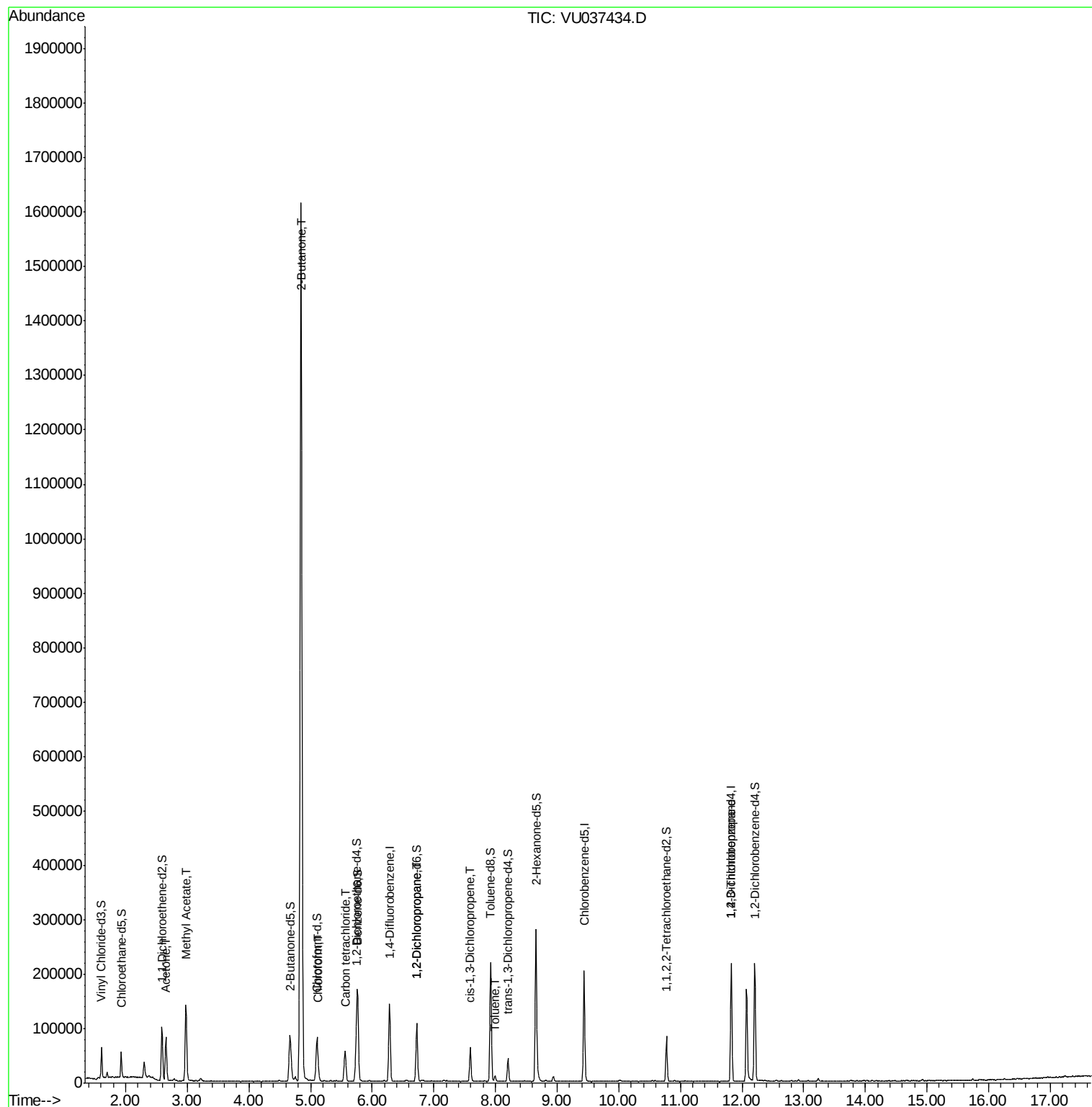
					Ovalue
13) Acetone	2.66	43	86643	66.833	ug/L 98
15) Methyl Acetate	2.98	43	168536	46.532	ug/L 97
21) 2-Butanone	4.84	43	2099145	952.463	ug/L # 46
25) Chloroform	5.12	83	8825	0.582	ug/L 88
31) Carbon tetrachloride	5.56	117	36393	3.222	ug/L 100
37) 1,2-Dichloropropane	6.72	63	5521	0.693	ug/L # 88
39) cis-1,3-Dichloropropene	7.59	75	1691	0.130	ug/L # 41
42) Toluene	7.99	91	6830	0.206	ug/L 98
59) 1,2,3-Trichloropropane	11.83	75	7380	1.331	ug/L 93

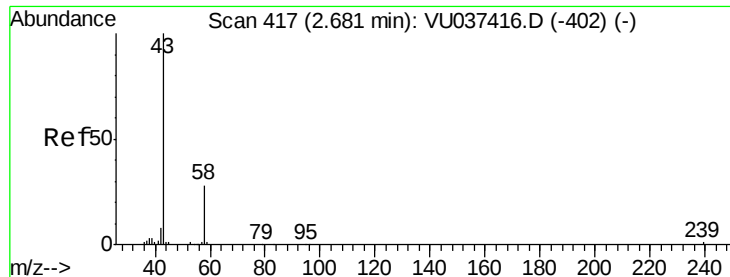
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 66.833 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.03 min

Lab File: VU037434.D

Acq: 28 Mar 2020 22:18

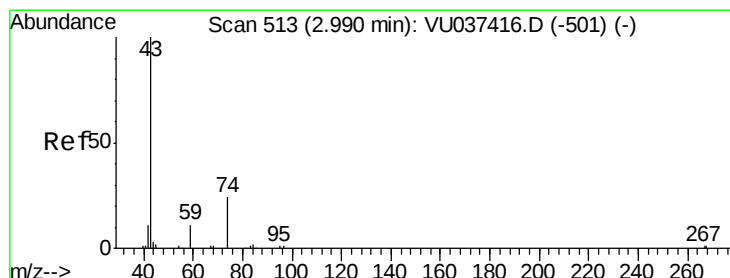
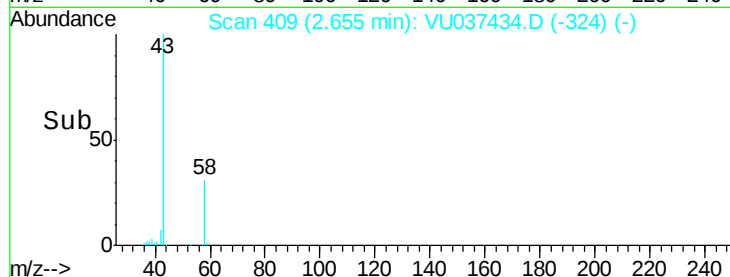
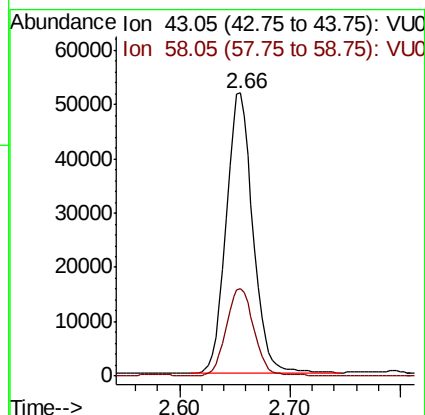
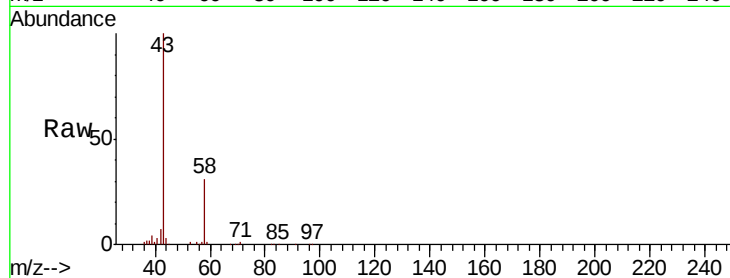
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 86643

Ion Ratio Lower Upper

43 100

58 32.0 0.0 66.0



#15

Methyl Acetate

Concen: 46.532 ug/L

RT: 2.98 min Scan# 510

Delta R.T. -0.01 min

Lab File: VU037434.D

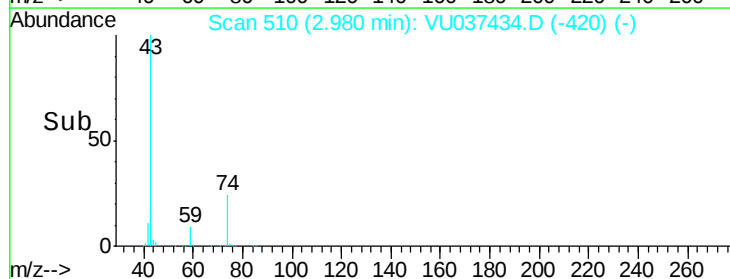
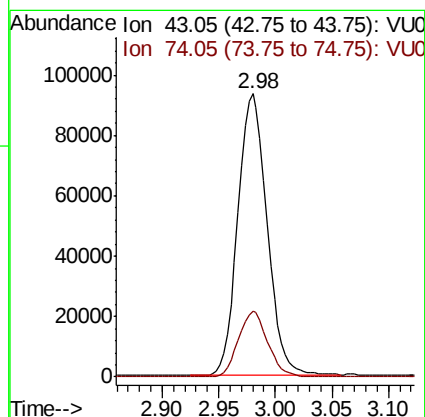
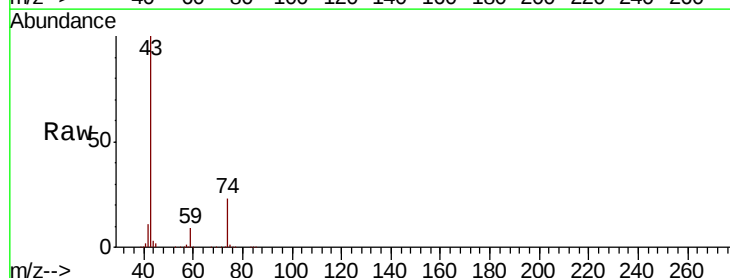
Acq: 28 Mar 2020 22:18

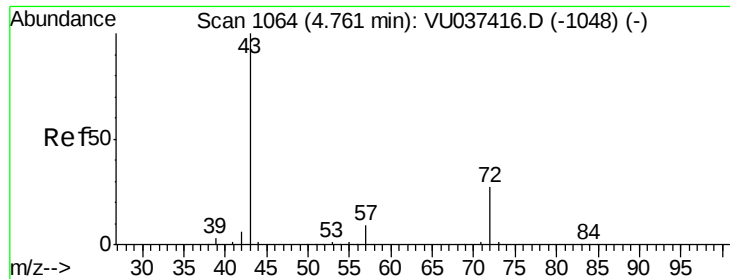
Tgt Ion: 43 Resp: 168536

Ion Ratio Lower Upper

43 100

74 23.3 19.8 29.6

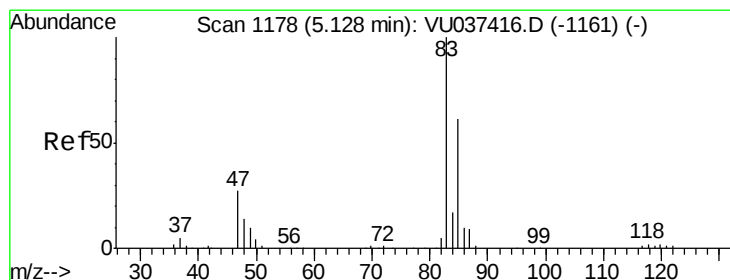
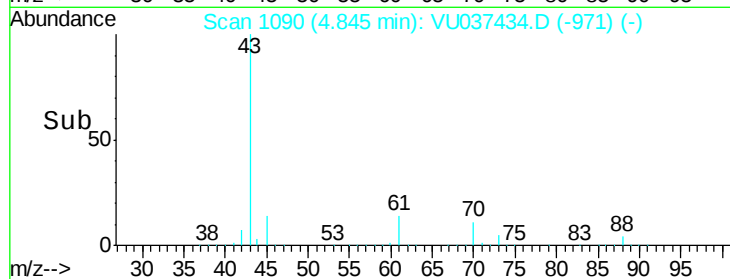
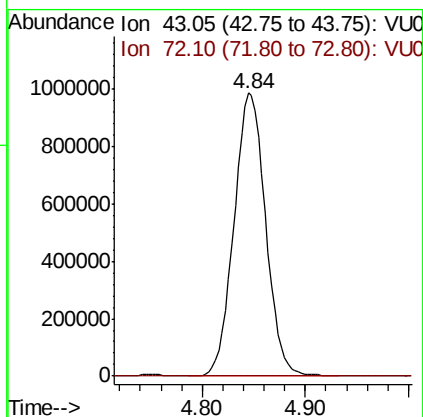
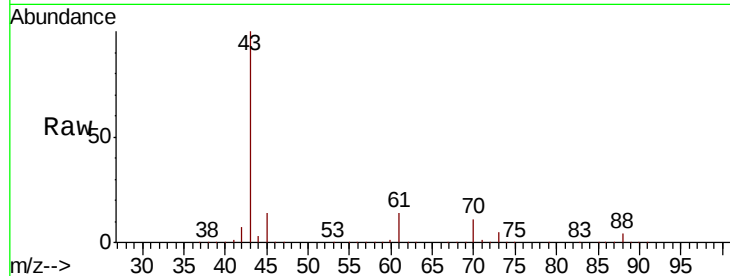




#21
2-Butanone
Concen: 952.463 ug/L
RT: 4.84 min Scan# 1090
Delta R.T. 0.08 min
Lab File: VU037434.D
Acq: 28 Mar 2020 22:18

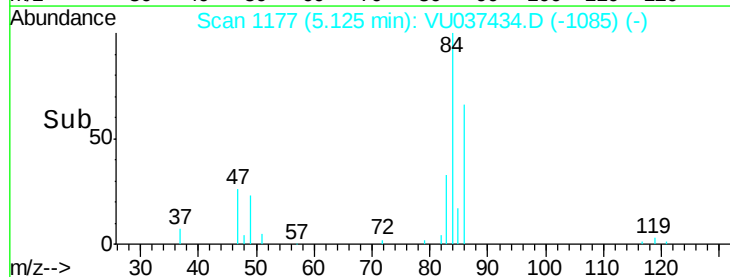
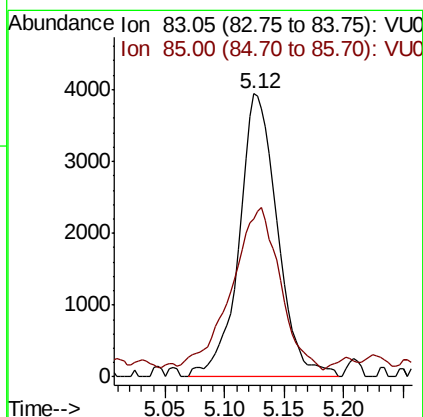
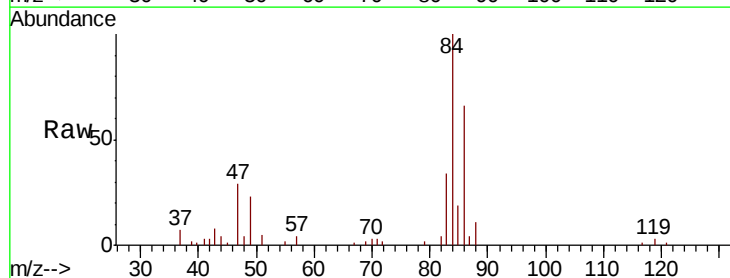
Instrument :
MSVOA_U
ClientSampleId :

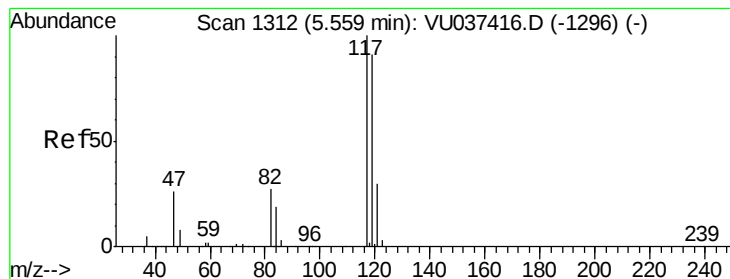
Tot Ion: 43 Resp: 2099145
Ion Ratio Lower Upper
43 100
72 0.1 14.2 42.6#



#25
Chloroform
Concen: 0.582 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037434.D
Acq: 28 Mar 2020 22:18

Tgt Ion: 83 Resp: 8825
Ion Ratio Lower Upper
83 100
85 55.7 45.4 84.4





#31

Carbon tetrachloride

Concen: 3.222 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037434.D

Acq: 28 Mar 2020 22:18

Instrument :

MSVOA_U

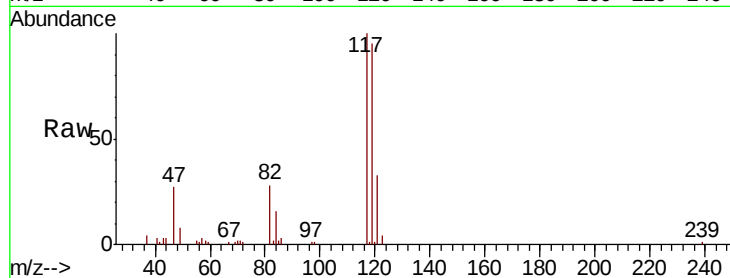
ClientSampleId :

Tot Ion:117 Resp: 36393

Ion Ratio Lower Upper

117 100

119 97.1 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

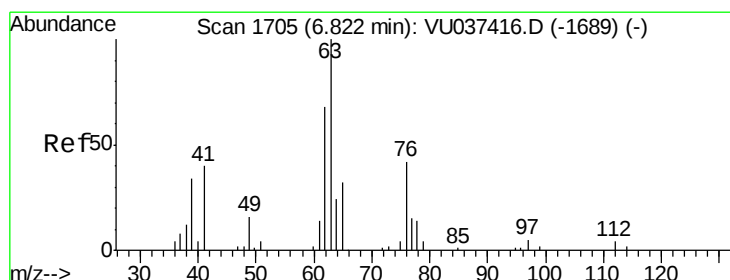
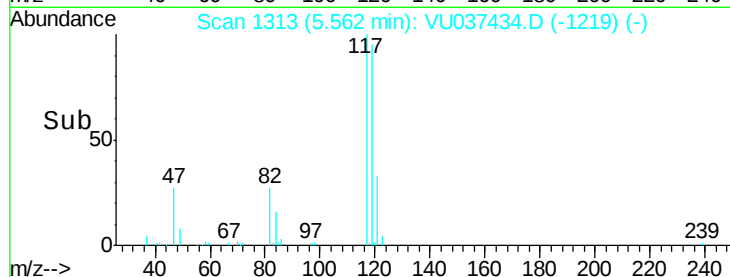
15000

10000

5000

0

Time--> 5.45 5.50 5.55 5.60 5.65



#37

1,2-Dichloropropane

Concen: 0.693 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU037434.D

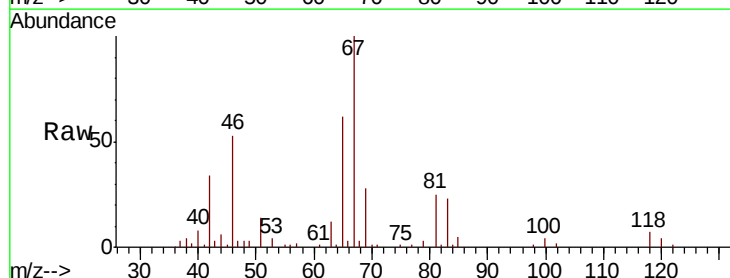
Acq: 28 Mar 2020 22:18

Tgt Ion: 63 Resp: 5521

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

6.72

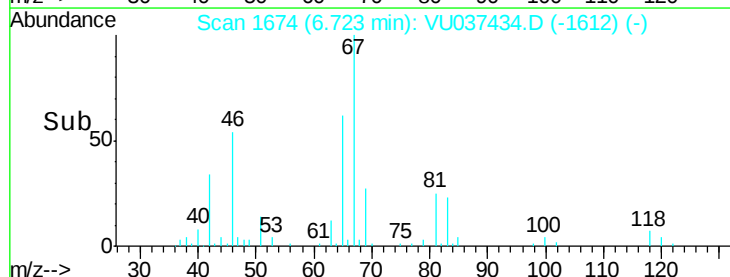
3000

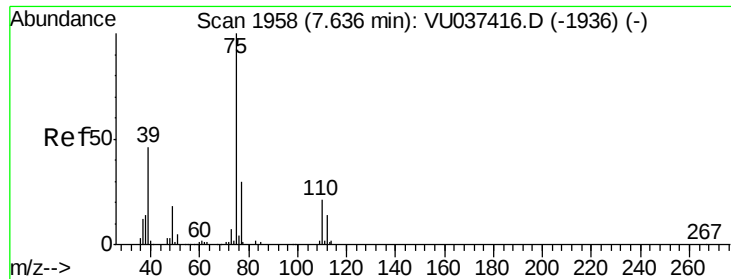
2000

1000

0

Time--> 6.65 6.70 6.75





#39

cis-1,3-Dichloropropene

Concen: 0.130 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU037434.D

Acq: 28 Mar 2020 22:18

Instrument :

MSVOA_U

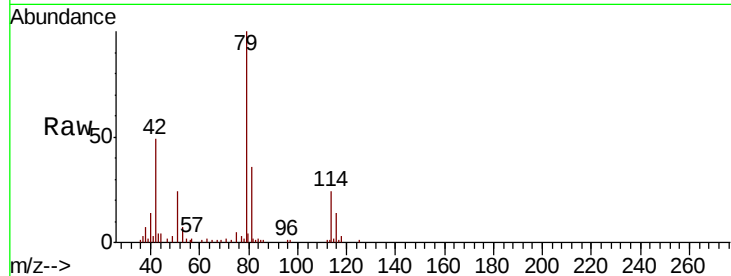
ClientSampleId :

Tot Ion: 75 Resp: 1691

Ion Ratio Lower Upper

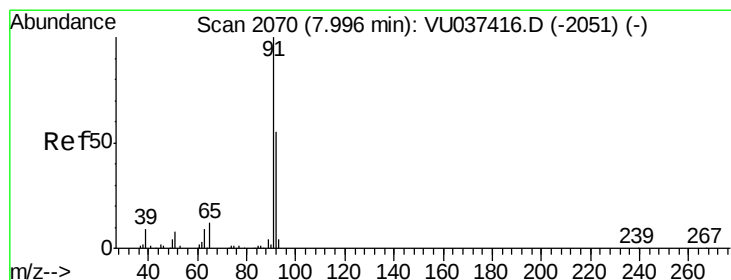
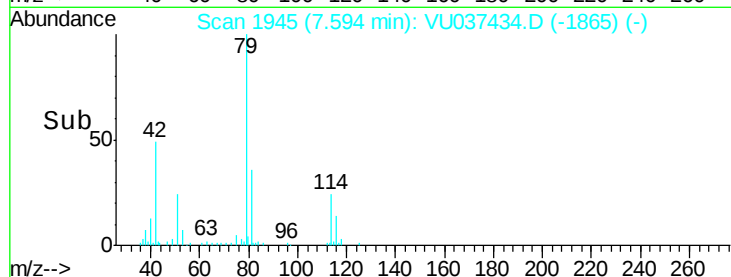
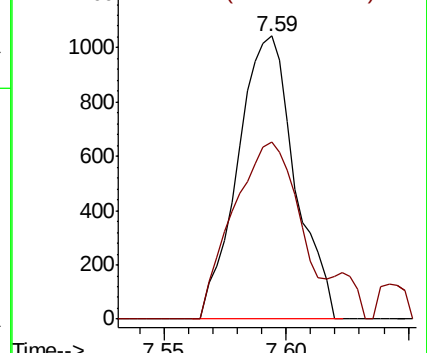
75 100

77 62.4 21.1 39.3#



Abundance Ion 75.05 (74.75 to 75.75): VU037416.D (-1936) (-)

Ion 77.05 (76.75 to 77.75): VU037416.D (-1936) (-)



#42

Toluene

Concen: 0.206 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037434.D

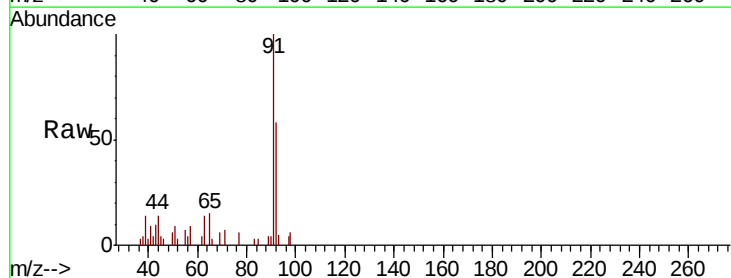
Acq: 28 Mar 2020 22:18

Tgt Ion: 91 Resp: 6830

Ion Ratio Lower Upper

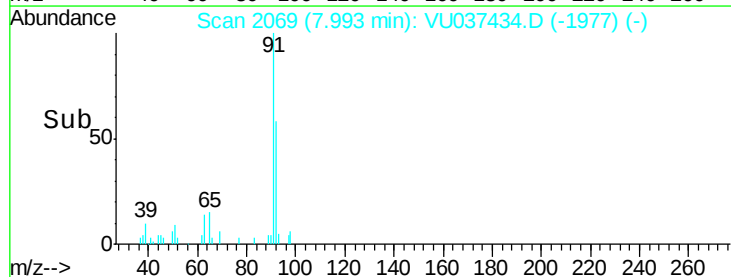
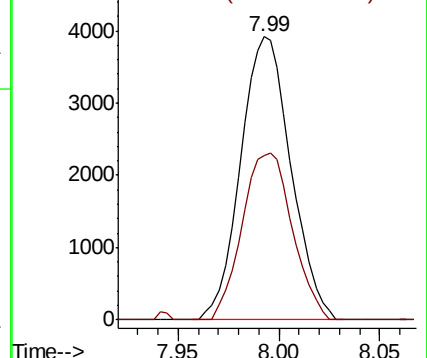
91 100

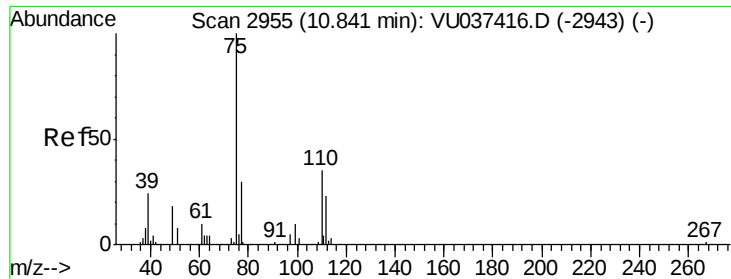
92 58.3 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU037416.D (-2051) (-)

Ion 92.15 (91.85 to 92.85): VU037416.D (-2051) (-)





#59

1,2,3-Trichloropropane

Concen: 1.331 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037434.D

Acq: 28 Mar 2020 22:18

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7380

Ion Ratio Lower Upper

75 100

77 38.3 27.4 41.2

