

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032820\
 Data File : VU037435.D
 Acq On : 28 Mar 2020 22:43
 Operator : JC/MD
 Sample : L2002-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 30 00:25:48 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	108644	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	100329	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	51731	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36750	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.93	69	32077	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.59	63	58396	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	4.67	46	106694	48.81	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.62%
24) Chloroform-d	5.11	84	66717	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.74	65	42642	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.76	84	147322	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.72	67	47947	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.93	98	137064	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	8.20	79	20906	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.66	63	92972	51.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.68%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	39308	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	50517	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

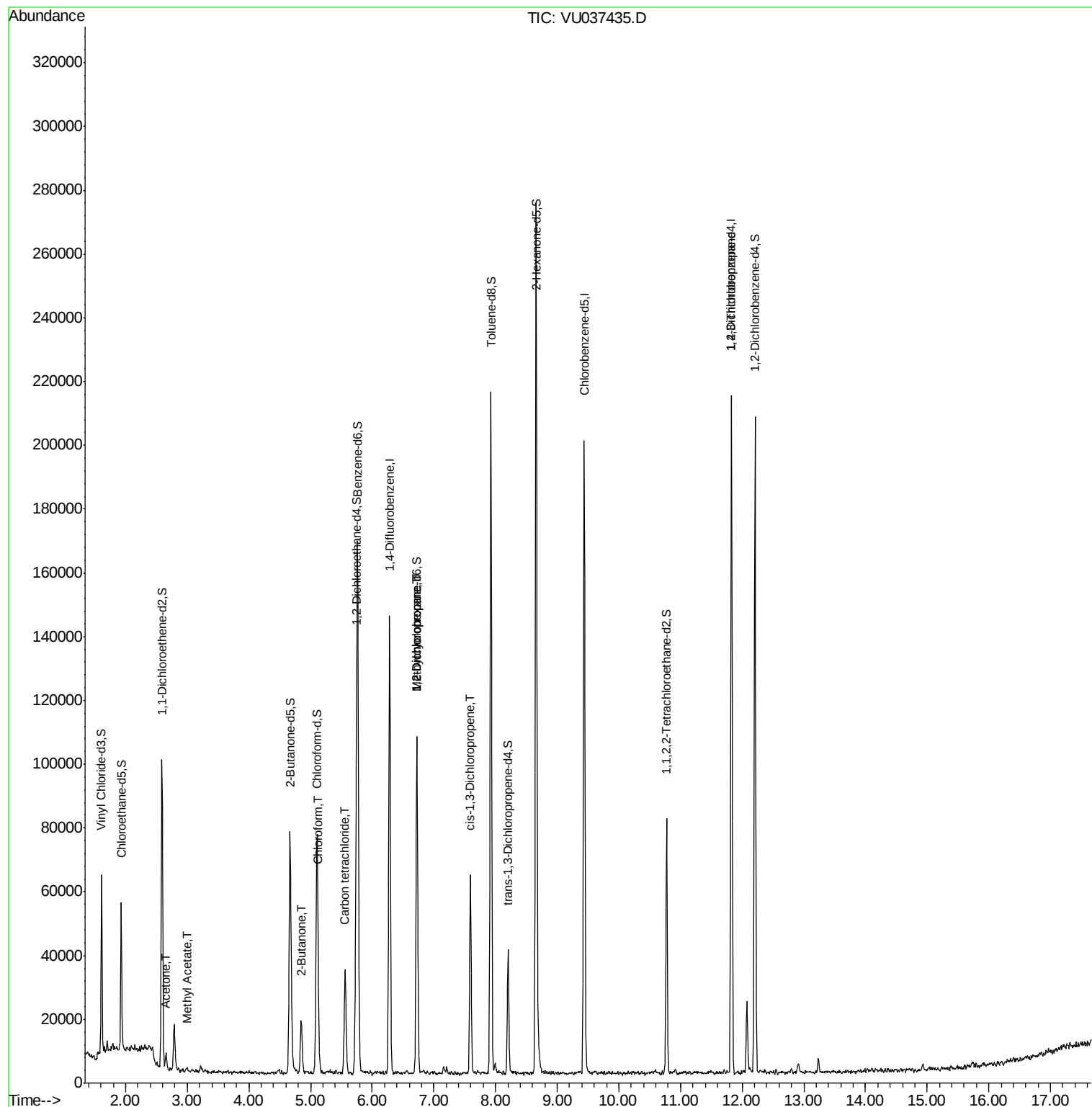
					Ovalue
13) Acetone	2.66	43	5416	4.312	ug/L 92
15) Methyl Acetate	2.99	43	750	0.214	ug/L # 76
21) 2-Butanone	4.85	43	21502	10.070	ug/L # 47
25) Chloroform	5.13	83	7289	0.496	ug/L 89
31) Carbon tetrachloride	5.56	117	22261	2.045	ug/L 98
35) Methylcyclohexane	6.72	83	11874	0.887	ug/L # 17
37) 1,2-Dichloropropane	6.72	63	5521	0.719	ug/L # 88
39) cis-1,3-Dichloropropene	7.59	75	1500	0.120	ug/L # 57
59) 1,2,3-Trichloropropane	11.83	75	7364	1.378	ug/L 93

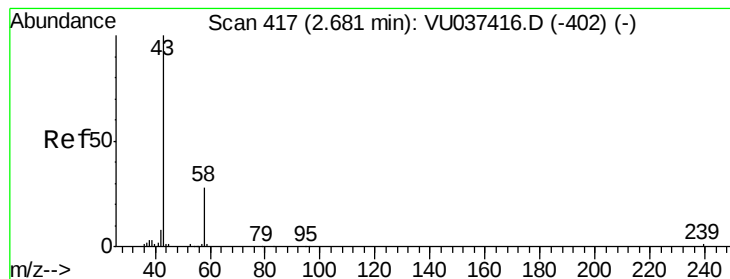
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.312 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.03 min

Lab File: VU037435.D

Acq: 28 Mar 2020 22:43

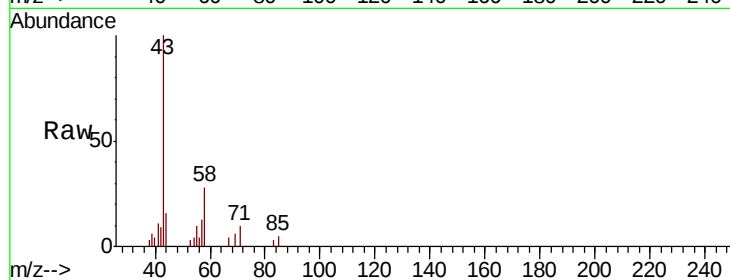
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 5416

Ion Ratio Lower Upper

43 100

58 37.7 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU037435.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU037435.D (-402) (-)

4000

3000

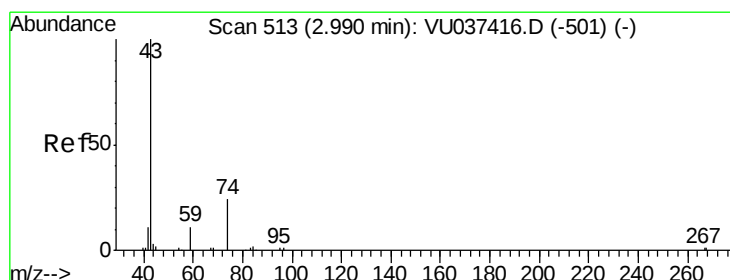
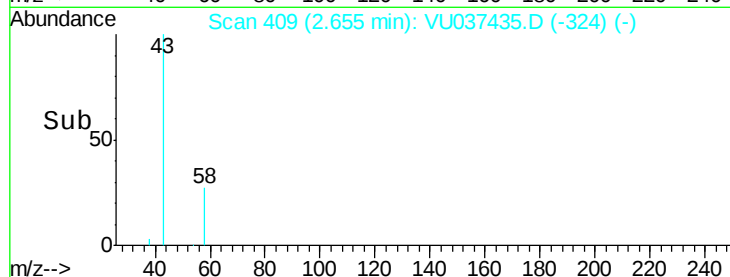
2000

1000

0

2.60 2.65 2.70

Time-->



#15

Methyl Acetate

Concen: 0.214 ug/L

RT: 2.99 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU037435.D

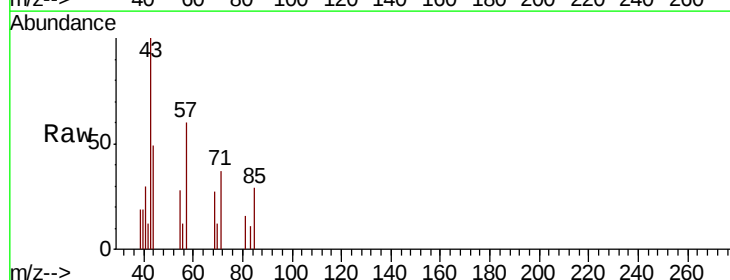
Acq: 28 Mar 2020 22:43

Tgt Ion: 43 Resp: 750

Ion Ratio Lower Upper

43 100

74 12.8 19.8 29.6#



Abundance Ion 43.05 (42.75 to 43.75): VU037435.D (-501) (-)

Ion 74.05 (73.75 to 74.75): VU037435.D (-501) (-)

1200

1000

800

600

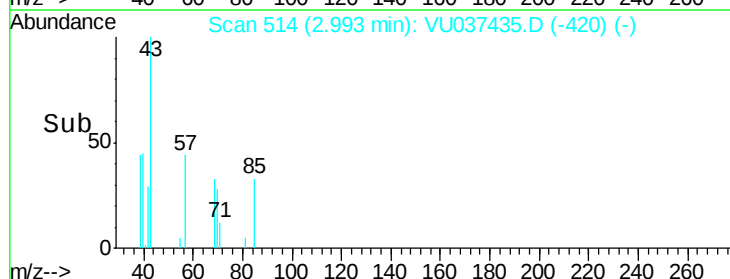
400

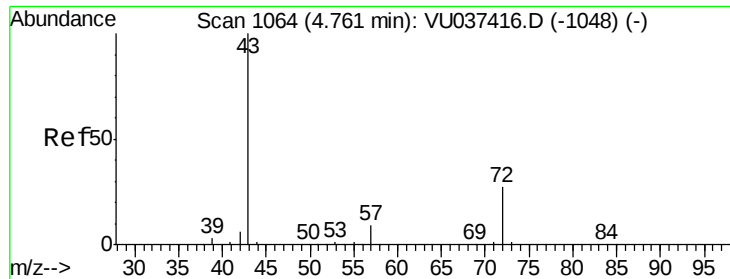
200

0

2.96 2.98 3.00 3.02

Time-->

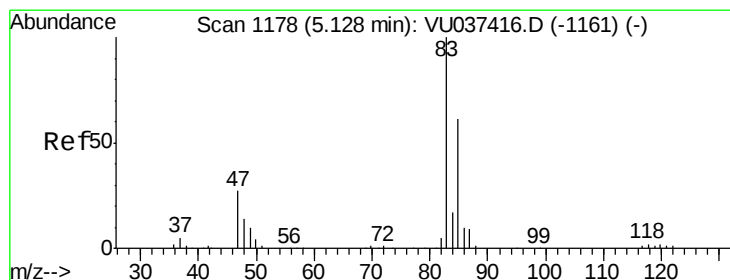
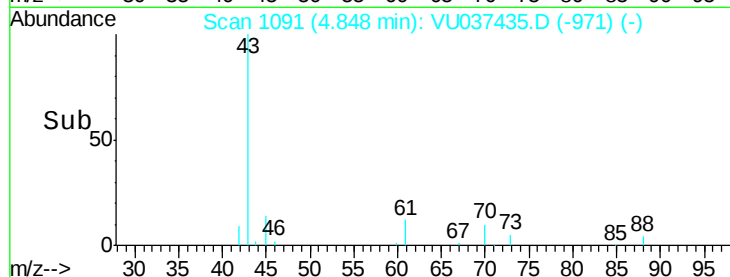
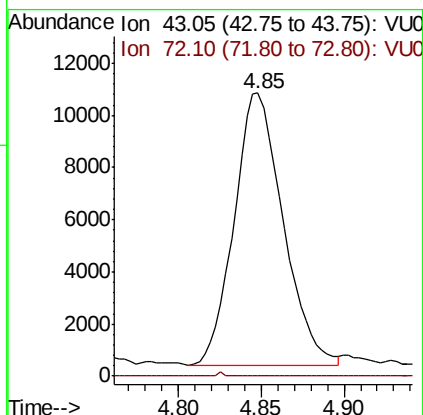
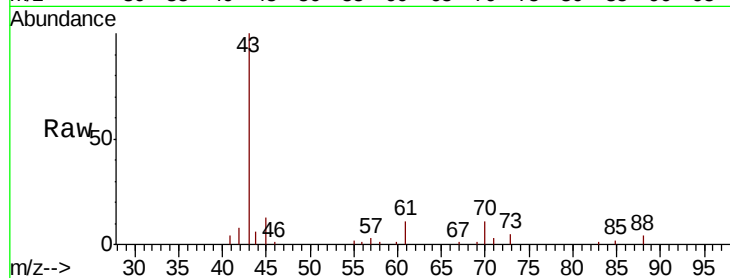




#21
2-Butanone
Concen: 10.070 ug/L
RT: 4.85 min Scan# 1091
Delta R.T. 0.09 min
Lab File: VU037435.D
Acq: 28 Mar 2020 22:43

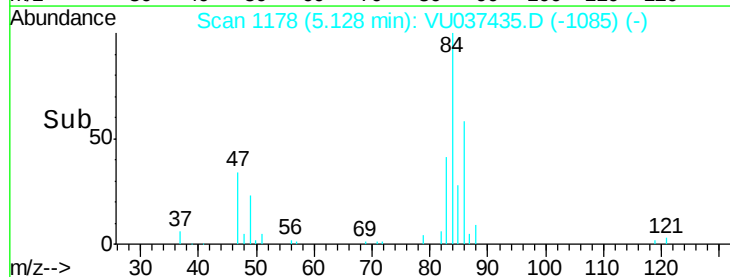
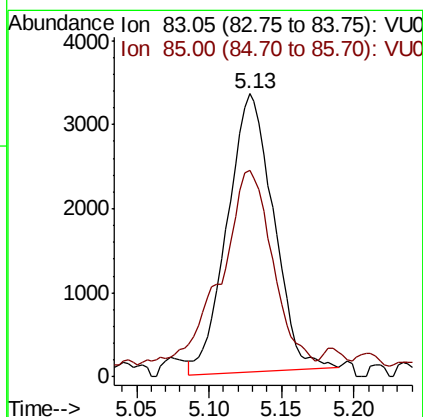
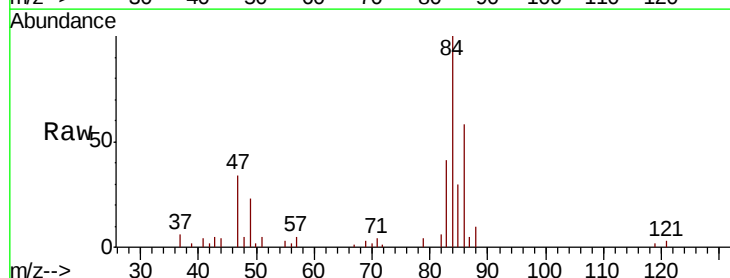
Instrument :
MSVOA_U
ClientSampleId :

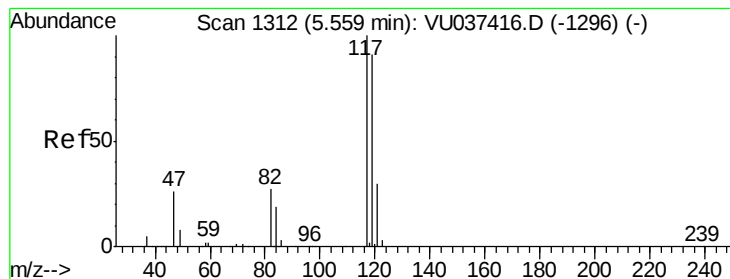
Tot Ion: 43 Resp: 21502
Ion Ratio Lower Upper
43 100
72 0.1 14.2 42.6#



#25
Chloroform
Concen: 0.496 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037435.D
Acq: 28 Mar 2020 22:43

Tgt Ion: 83 Resp: 7289
Ion Ratio Lower Upper
83 100
85 73.2 45.4 84.4





#31

Carbon tetrachloride

Concen: 2.045 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037435.D

Acq: 28 Mar 2020 22:43

Instrument :

MSVOA_U

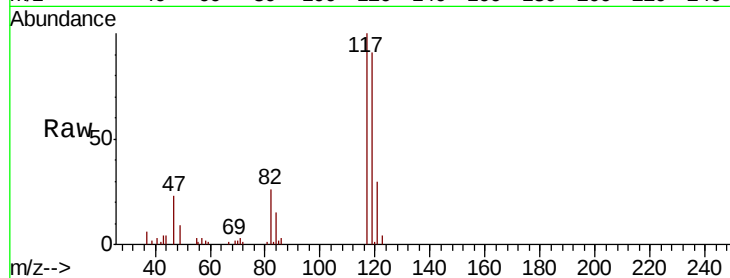
ClientSampleId :

Tot Ion:117 Resp: 22261

Ion Ratio Lower Upper

117 100

119 94.7 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

12000

10000

8000

6000

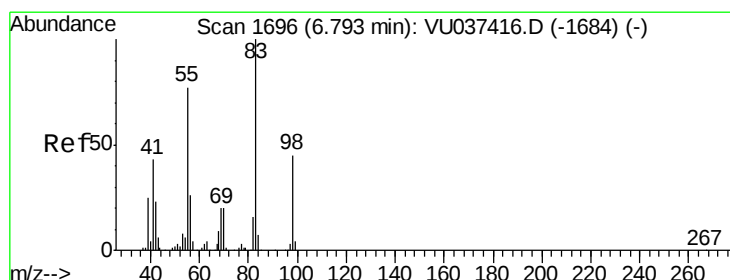
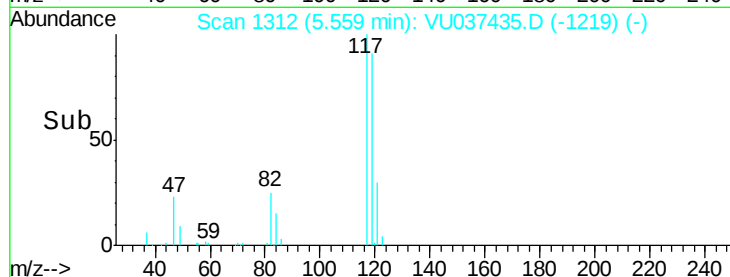
4000

2000

0

Time-->

5.50 5.55 5.60



#35

Methylcyclohexane

Concen: 0.887 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU037435.D

Acq: 28 Mar 2020 22:43

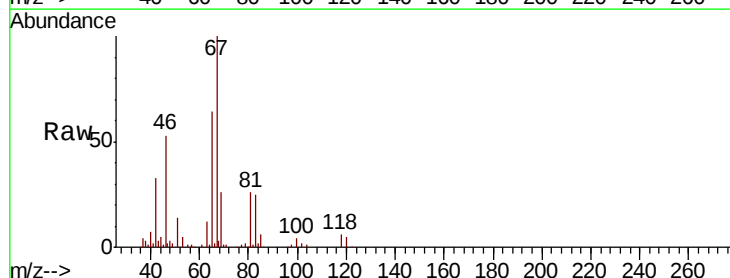
Tgt Ion: 83 Resp: 11874

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

8000

6000

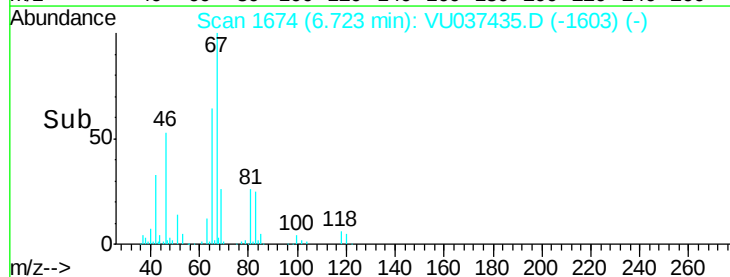
4000

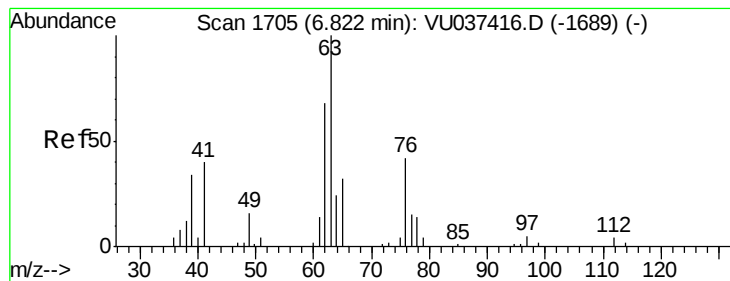
2000

0

Time-->

6.65 6.70 6.75





#37

1,2-Dichloropropane

Concen: 0.719 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU037435.D

Acq: 28 Mar 2020 22:43

Instrument :

MSVOA_U

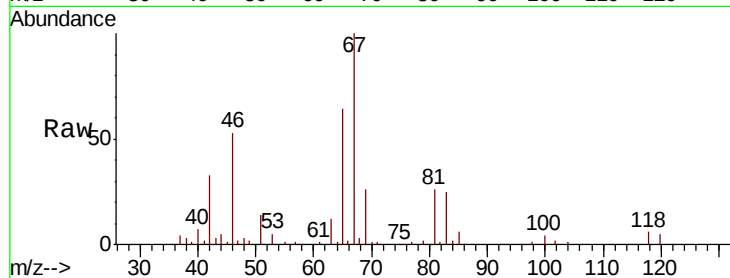
ClientSampleId :

Tot 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): VU037416.D (-1689) (-)

Ion 112.10 (111.80 to 112.80): VU037416.D (-1689) (-)

6.72

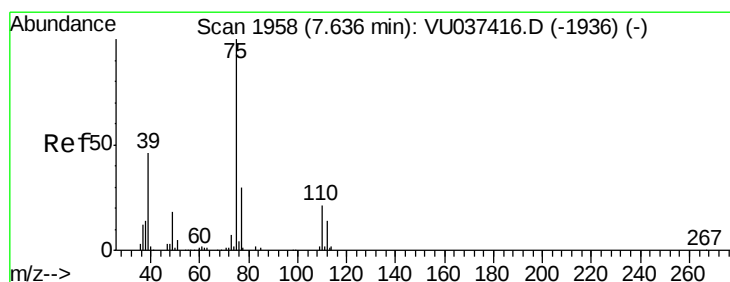
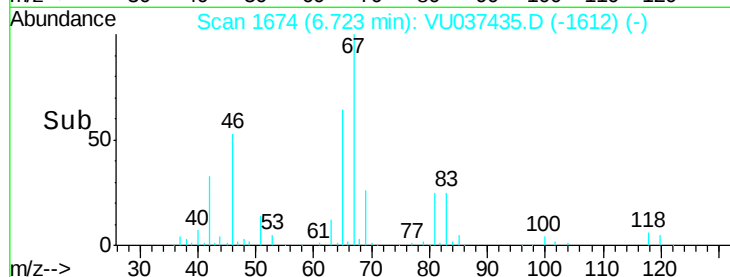
3000

2000

1000

0

Time--> 6.65 6.70 6.75



#39

cis-1,3-Dichloropropene

Concen: 0.120 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU037435.D

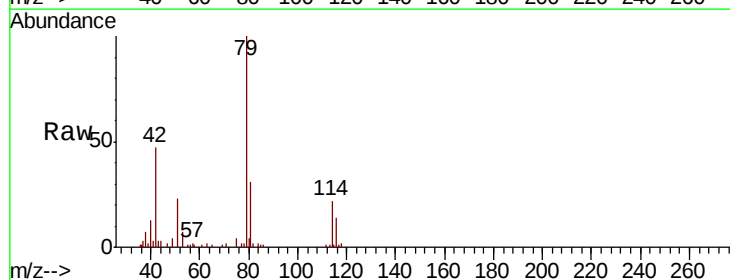
Acq: 28 Mar 2020 22:43

Tgt Ion: 75 Resp: 1500

Ion Ratio Lower Upper

75 100

77 53.7 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) (-)

7.59

1000

800

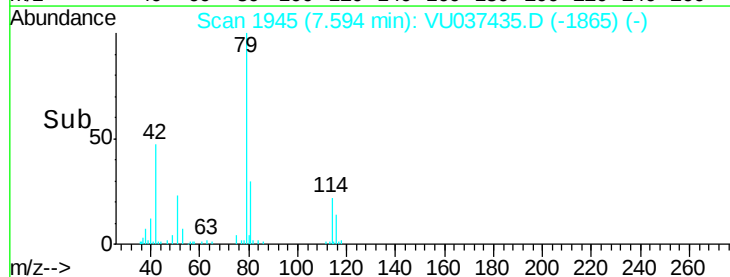
600

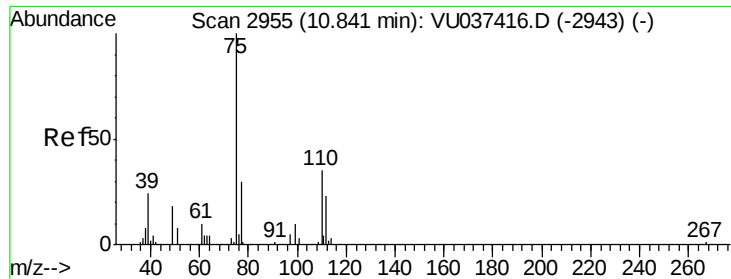
400

200

0

Time--> 7.55 7.60





#59

1,2,3-Trichloropropane

Concen: 1.378 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU037435.D

Acq: 28 Mar 2020 22:43

Instrument :

MSVOA_U

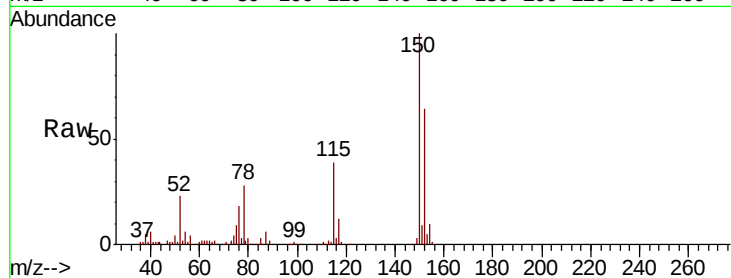
ClientSampleId :

Tot Ion: 75 Resp: 7364

Ion Ratio Lower Upper

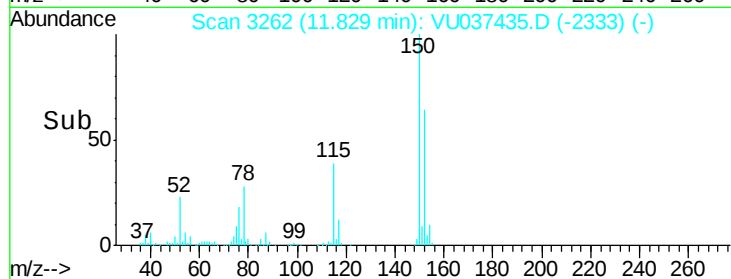
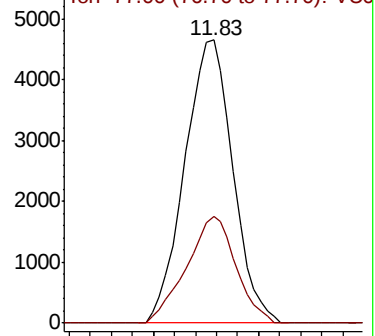
75 100

77 38.6 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->