

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032820\
 Data File : VU037422.D
 Acq On : 28 Mar 2020 17:22
 Operator : JC/MD
 Sample : L2002-04MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 30 00:23:42 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	101934	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	96614	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	49395	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	40878	5.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.60%
7) Chloroethane-d5	1.93	69	33978	6.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.60%
11) 1,1-Dichloroethene-d2	2.59	63	81966	5.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.60%
20) 2-Butanone-d5	4.67	46	100152	48.83	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.66%
24) Chloroform-d	5.10	84	70478	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.74	65	44781	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
32) Benzene-d6	5.76	84	158020	5.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.20%
36) 1,2-Dichloropropane-d6	6.72	67	50519	5.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.40%
41) Toluene-d8	7.92	98	149079	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.60%
43) trans-1,3-Dichloropropene-	8.20	79	23800	5.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.60%
46) 2-Hexanone-d5	8.66	63	97550	56.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.96%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	41404	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	56405	5.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	2.09	64	516	0.116	ug/L	87
12) 1,1-Dichloroethene	2.60	96	34676	5.172	ug/L	93
13) Acetone	2.66	43	6918	5.871	ug/L	94
21) 2-Butanone	4.74	43	3989	1.991	ug/L #	67
25) Chloroform	5.13	83	9994	0.725	ug/L	95
27) 1,2-Dichloroethane	5.81	62	1503	0.163	ug/L #	75
31) Carbon tetrachloride	5.56	117	202734	19.336	ug/L	100
33) Benzene	5.81	78	159197	5.564	ug/L	100
34) Trichloroethene	6.57	95	42170	5.175	ug/L	98
35) Methylcyclohexane	6.73	83	13048	1.012	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	5662	0.766	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2018	0.167	ug/L #	43
42) Toluene	8.00	91	174191	5.649	ug/L	99
51) Chlorobenzene	9.47	112	110909	5.207	ug/L	99
59) 1,2,3-Trichloropropane	11.83	75	6807	1.323	ug/L	90

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Mar 30 00:15:54 2020
Response via : Initial Calibration

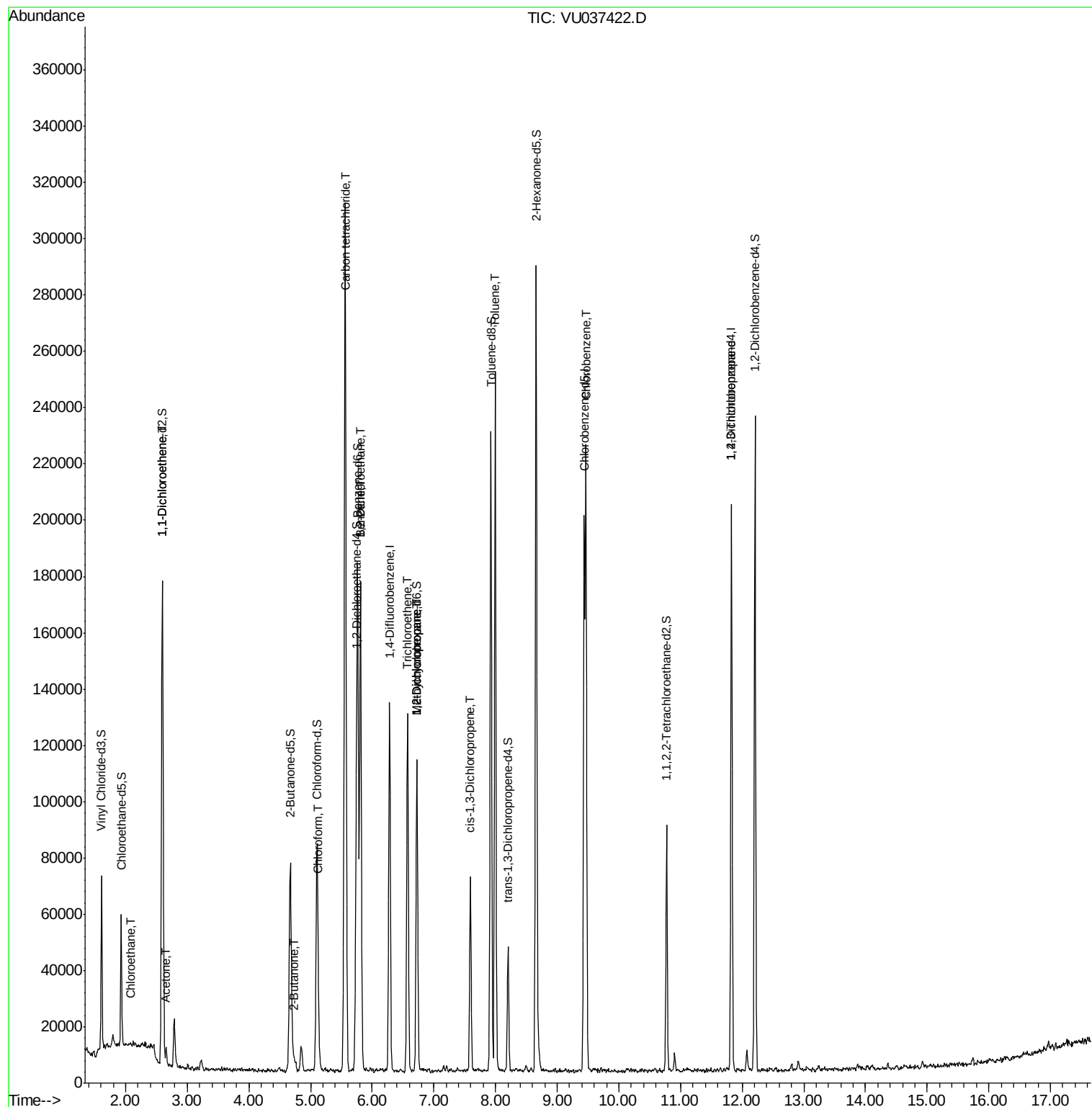
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

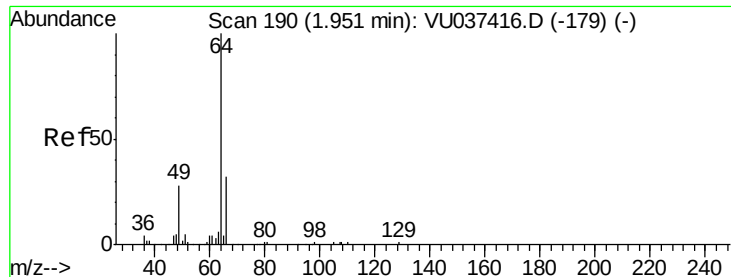
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#8

Chloroethane

Concen: 0.116 ug/L

RT: 2.09 min Scan# 233

Delta R.T. 0.14 min

Lab File: VU037422.D

Acq: 28 Mar 2020 17:22

Instrument :

MSVOA_U

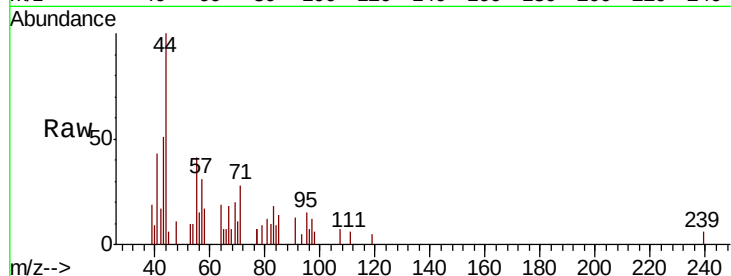
ClientSampled :

Tot Ion: 64 Resp: 516

Ion Ratio Lower Upper

64 100

66 27.6 24.8 46.0

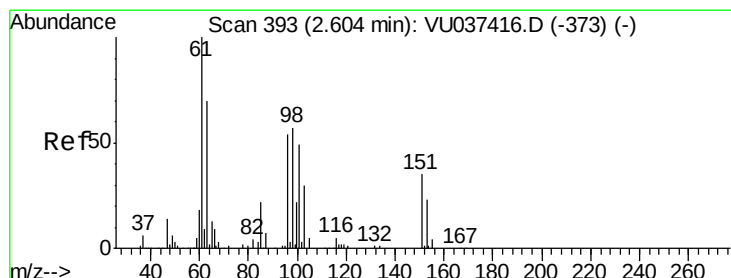
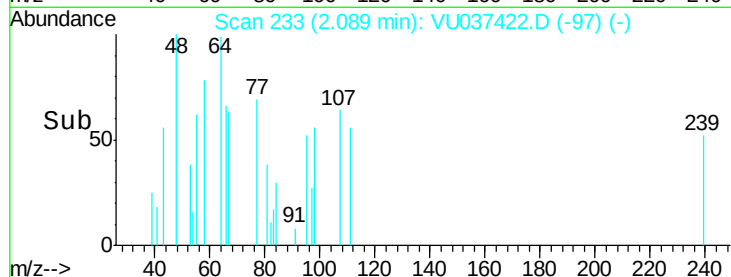


Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

2.09

Time-->



#12

1,1-Dichloroethene

Concen: 5.172 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037422.D

Acq: 28 Mar 2020 17:22

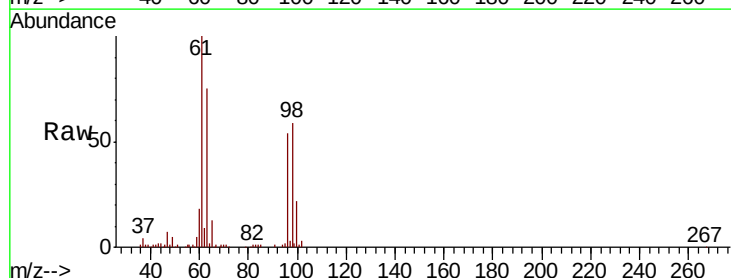
Tgt Ion: 96 Resp: 34676

Ion Ratio Lower Upper

96 100

61 186.4 125.4 232.8

63 140.7 90.9 168.7



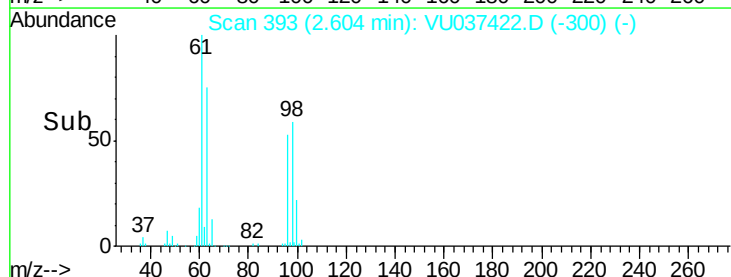
Abundance Ion 96.00 (95.70 to 96.70): VU0

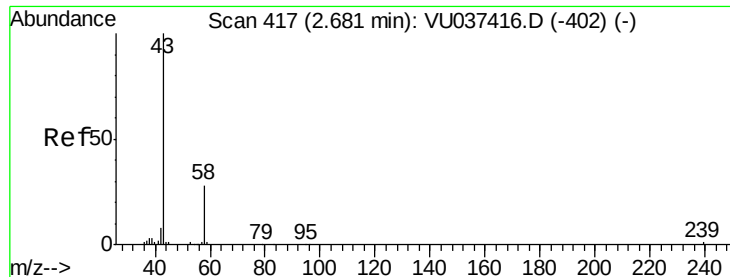
Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

2.60

Time-->





#13

Acetone

Concen: 5.871 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.03 min

Lab File: VU037422.D

Acq: 28 Mar 2020 17:22

Instrument :

MSVOA_U

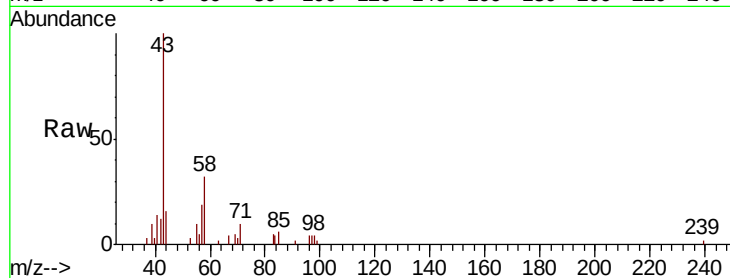
ClientSampleId :

Tot Ion: 43 Resp: 6918

Ion Ratio Lower Upper

43 100

58 36.5 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) (-)

5000

4000

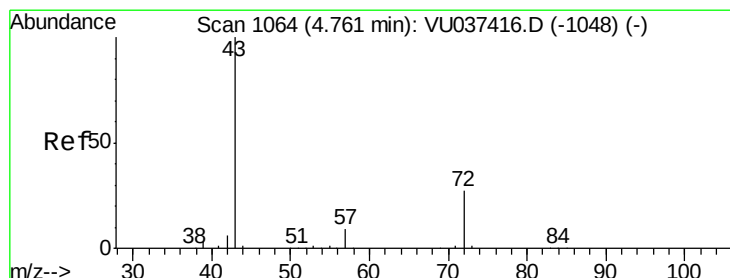
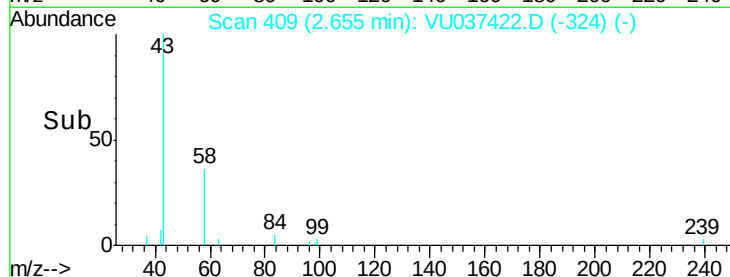
3000

2000

1000

0

Time--> 2.60 2.65 2.70



#21

2-Butanone

Concen: 1.991 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. -0.03 min

Lab File: VU037422.D

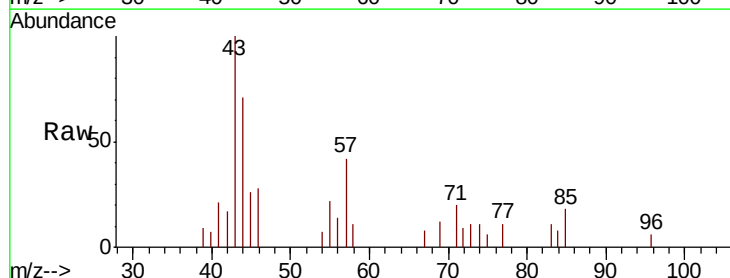
Acq: 28 Mar 2020 17:22

Tgt Ion: 43 Resp: 3989

Ion Ratio Lower Upper

43 100

72 11.1 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

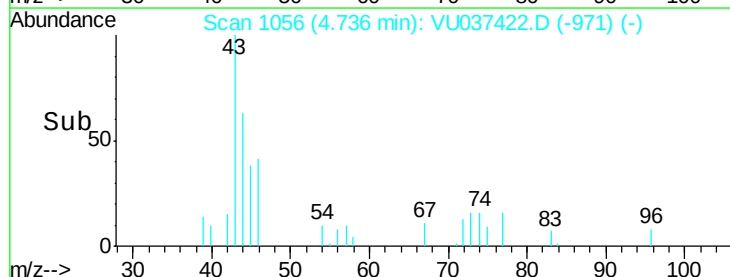
3000

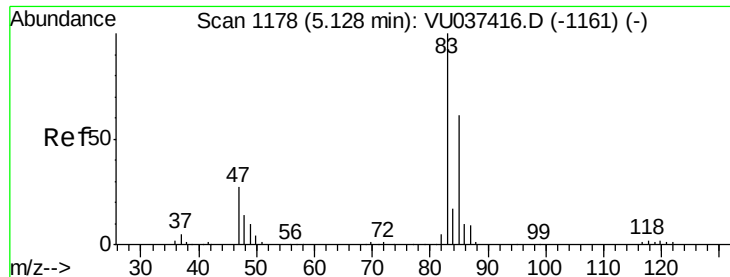
2000

1000

0

Time--> 4.70 4.75 4.80

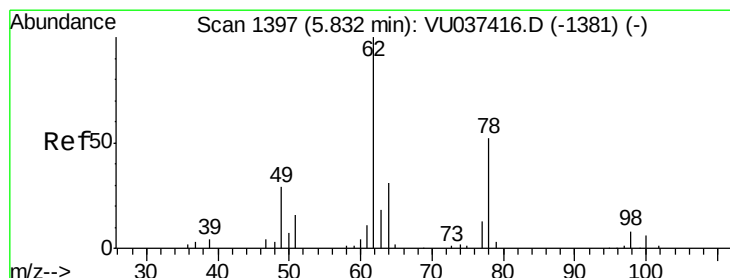
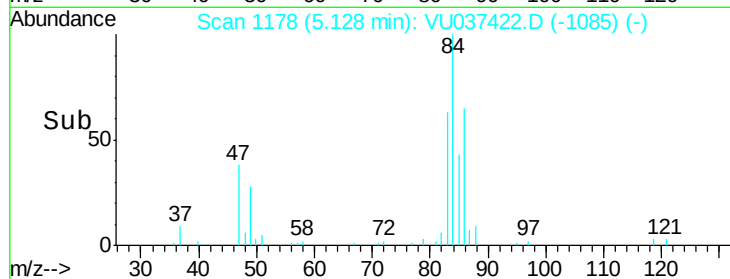
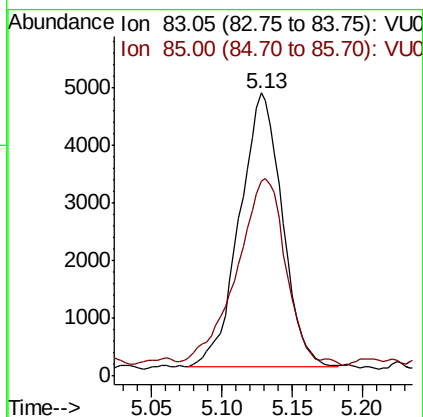
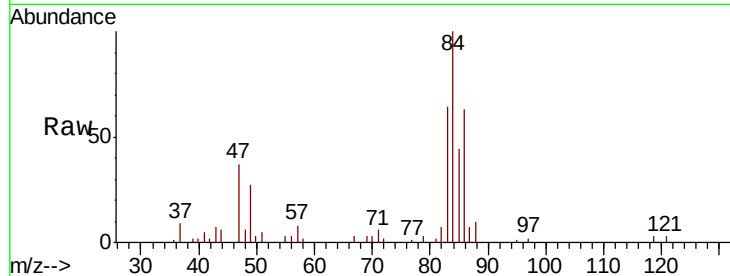




#25
Chloroform
Concen: 0.725 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037422.D
Acq: 28 Mar 2020 17:22

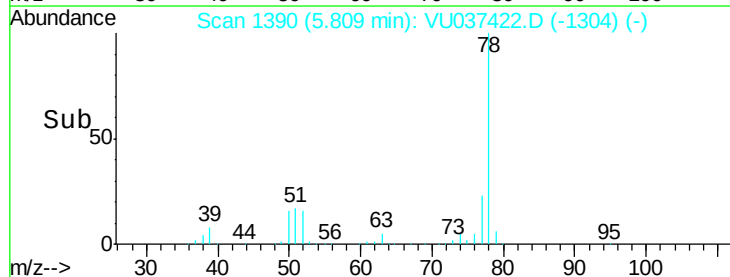
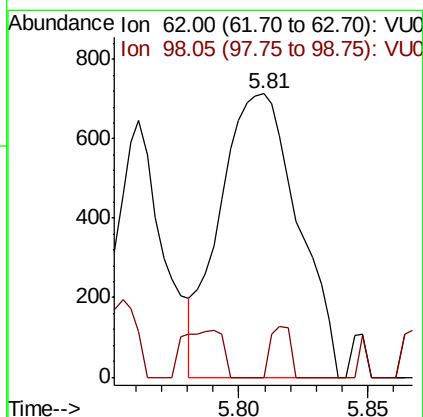
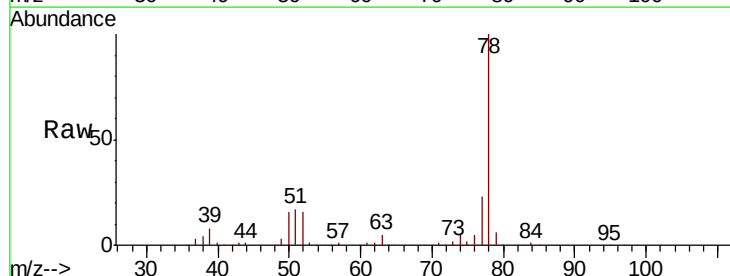
Instrument :
MSVOA_U
ClientSampled :

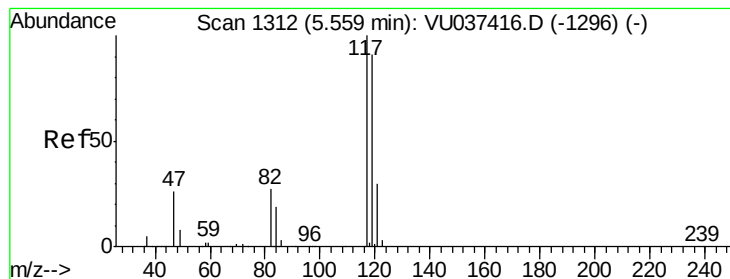
Tot Ion: 83 Resp: 9994
Ion Ratio Lower Upper
83 100
85 68.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 0.163 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.02 min
Lab File: VU037422.D
Acq: 28 Mar 2020 17:22

Tgt Ion: 62 Resp: 1503
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#





#31

Carbon tetrachloride

Concen: 19.336 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037422.D

Acq: 28 Mar 2020 17:22

Instrument :

MSVOA_U

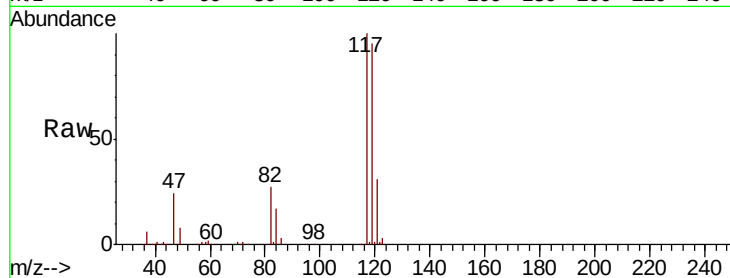
ClientSampleId :

Tot Ion:117 Resp: 202734

Ion Ratio Lower Upper

117 100

119 97.5 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

100000

80000

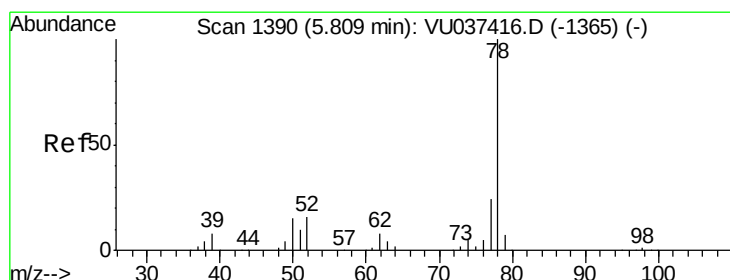
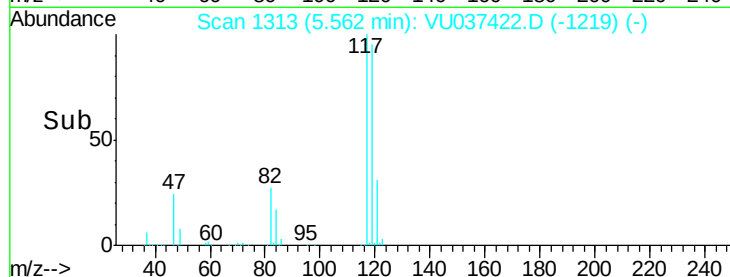
60000

40000

20000

0

Time--> 5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 5.564 ug/L

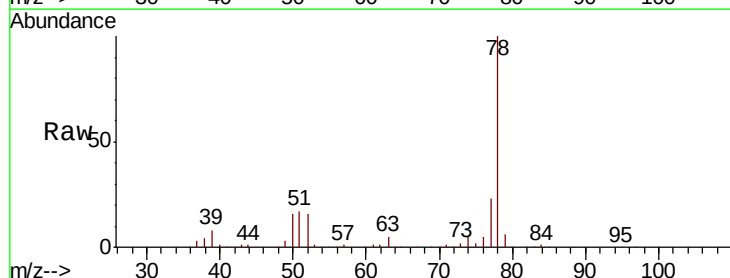
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037422.D

Acq: 28 Mar 2020 17:22

Tgt Ion: 78 Resp: 159197



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

80000

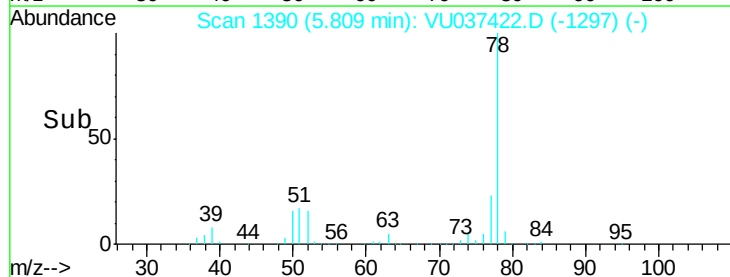
60000

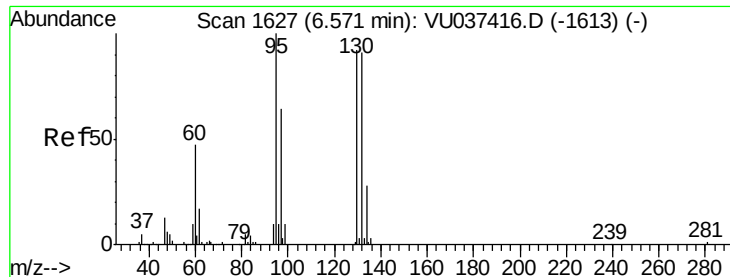
40000

20000

0

Time--> 5.70 5.75 5.80 5.85 5.90





#34

Trichloroethene

Concen: 5.175 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037422.D

Acq: 28 Mar 2020 17:22

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 42170

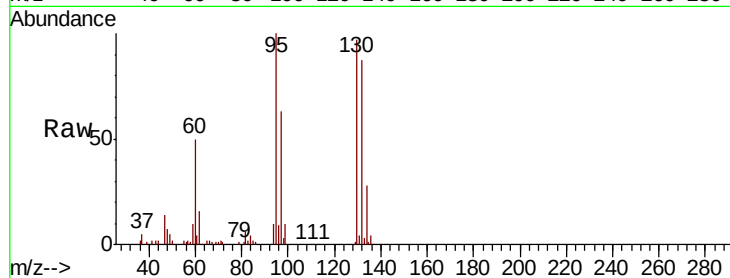
Ion Ratio Lower Upper

95 100

97 62.9 45.3 84.1

132 87.1 62.7 116.5

130 96.9 69.1 128.3

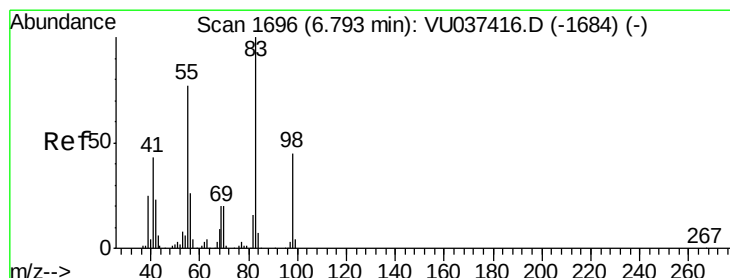
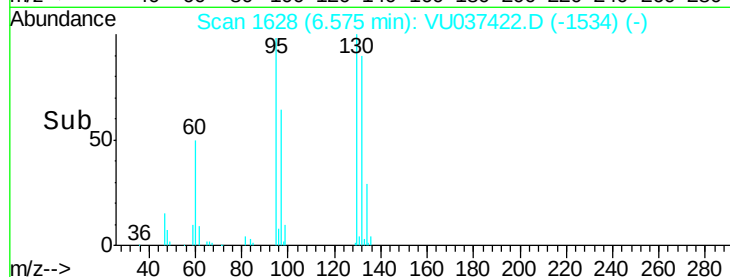
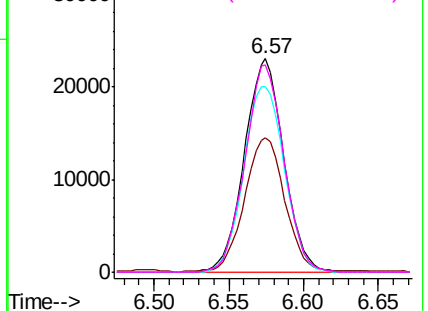


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 1.012 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.07 min

Lab File: VU037422.D

Acq: 28 Mar 2020 17:22

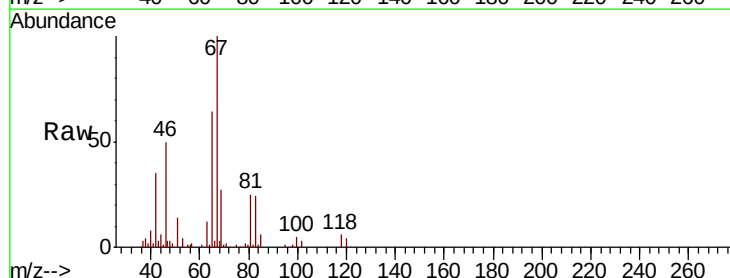
Tgt Ion: 83 Resp: 13048

Ion Ratio Lower Upper

83 100

55 0.6 64.2 96.4#

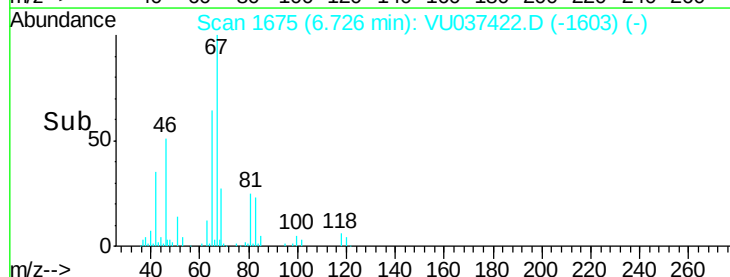
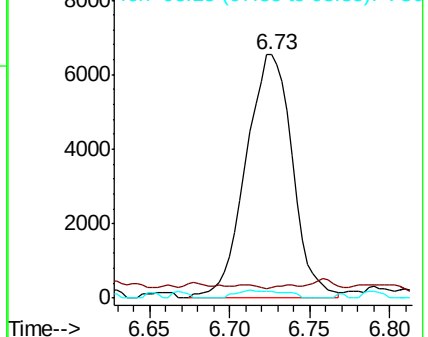
98 0.0 36.3 54.5#

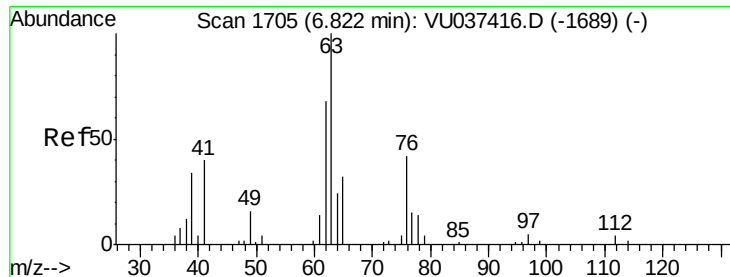


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

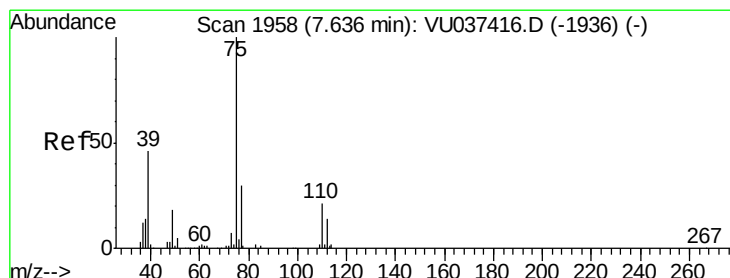
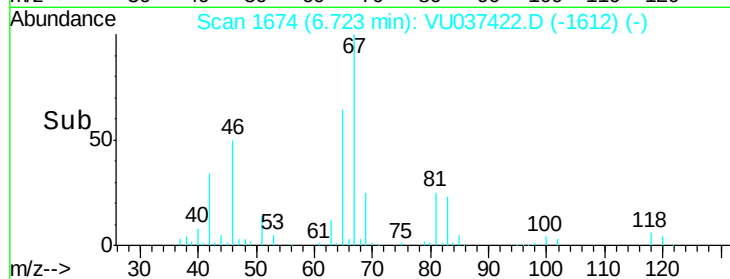
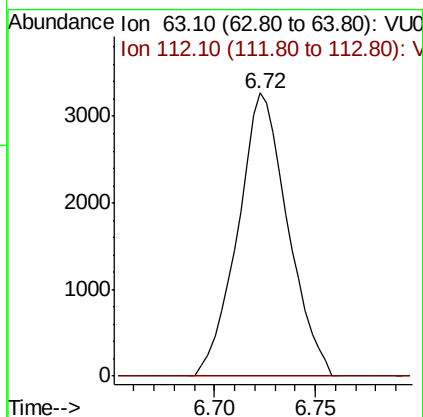
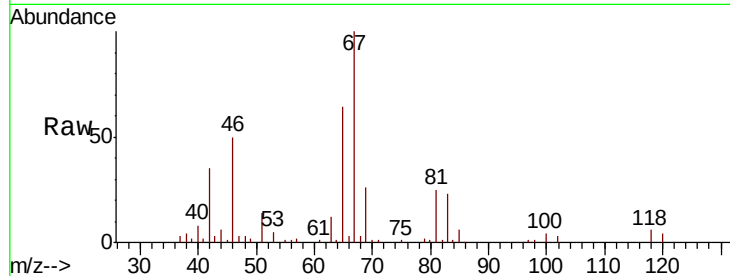




#37
 1,2-Dichloropropane
 Concen: 0.766 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037422.D
 Acq: 28 Mar 2020 17:22

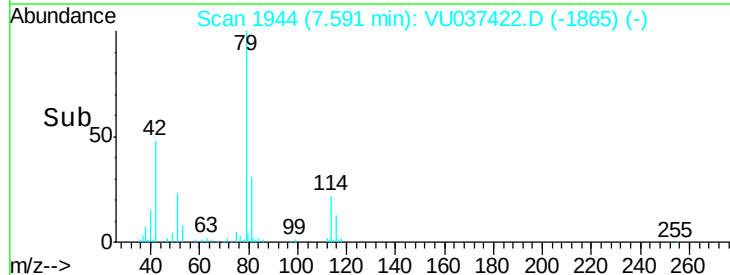
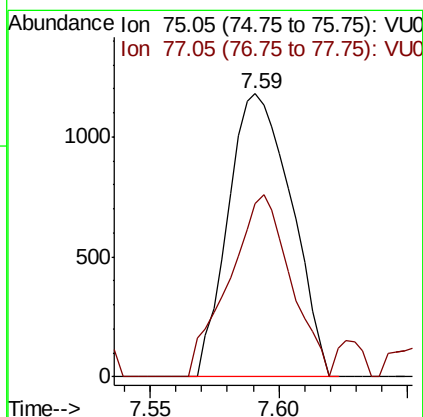
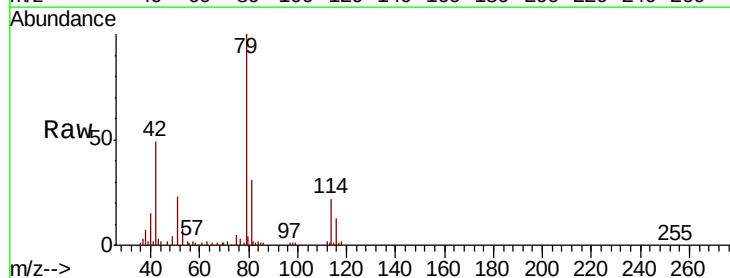
Instrument :
 MSVOA_U
 ClientSampleId :

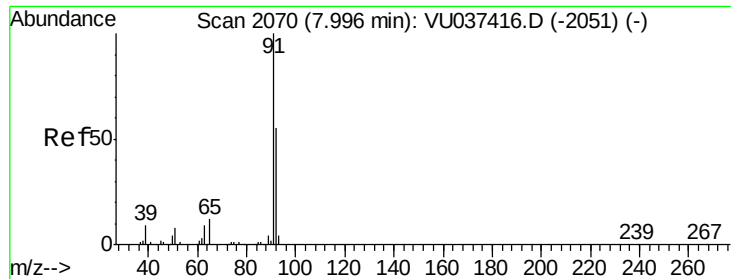
Tot Ion: 63 Resp: 5662
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.167 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037422.D
 Acq: 28 Mar 2020 17:22

Tgt Ion: 75 Resp: 2018
 Ion Ratio Lower Upper
 75 100
 77 61.3 21.1 39.3#





#42

Toluene

Concen: 5.649 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037422.D

Acq: 28 Mar 2020 17:22

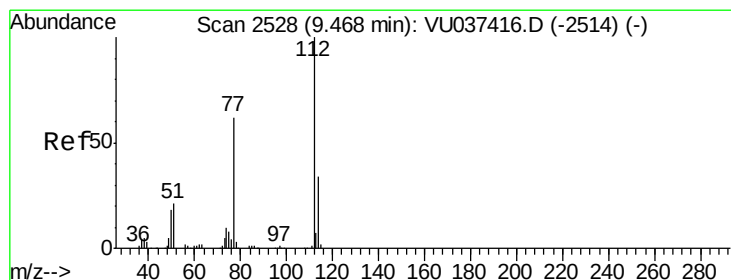
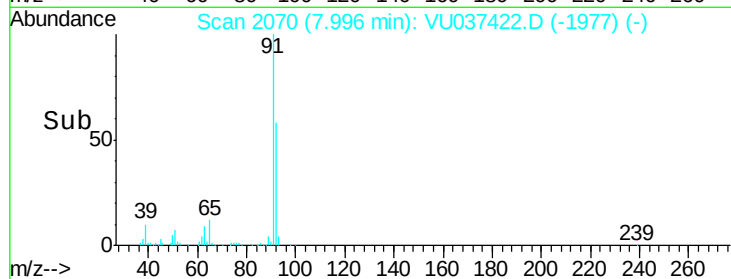
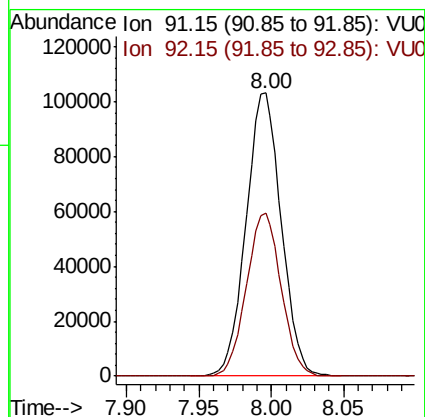
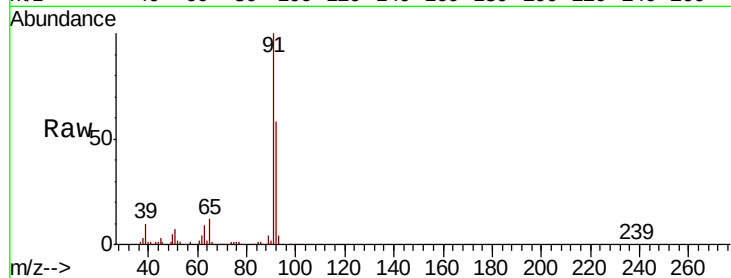
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 174191

Ion Ratio Lower Upper

91 100

92 57.6 39.8 73.8



#51

Chlorobenzene

Concen: 5.207 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU037422.D

Acq: 28 Mar 2020 17:22

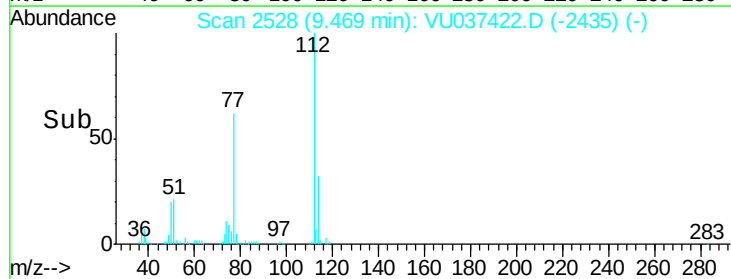
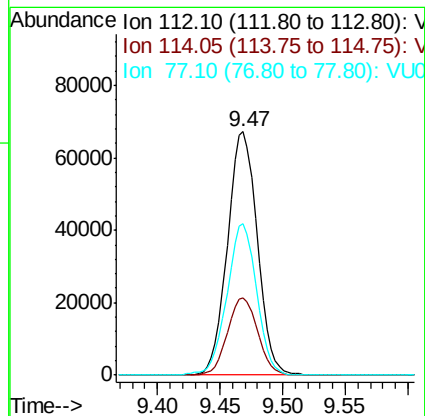
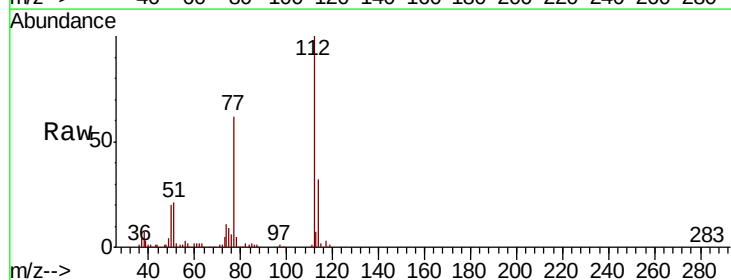
Tgt Ion: 112 Resp: 110909

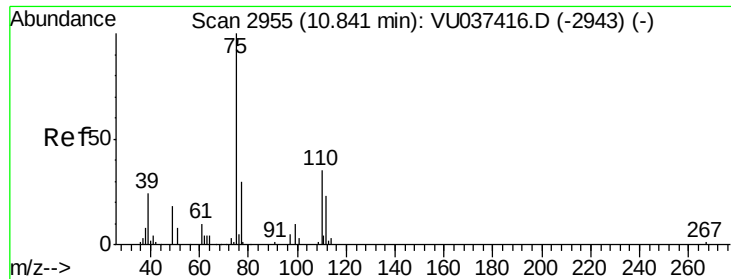
Ion Ratio Lower Upper

112 100

114 31.8 22.4 41.6

77 62.5 50.5 75.7





#59

1,2,3-Trichloropropane

Concen: 1.323 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037422.D

Acq: 28 Mar 2020 17:22

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 6807

Ion Ratio Lower Upper

75 100

77 40.1 27.4 41.2

