

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030520\
 Data File : VU037076.D
 Acq On : 05 Mar 2020 12:25
 Operator : JC/MD
 Sample : L1784-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AZ6

Quant Time: Mar 05 22:38:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 05 22:35:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	241411	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	229462	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	80473	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	86631	42.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.46%
7) Chloroethane-d5	1.93	69	88556	52.79	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.58%
11) 1,1-Dichloroethene-d2	2.59	63	120502	35.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.98%
21) 2-Butanone-d5	4.67	46	155579	114.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.41%
24) Chloroform-d	5.11	84	167539	54.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.24%
26) 1,2-Dichloroethane-d4	5.74	65	116275	55.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.00%
32) Benzene-d6	5.76	84	355352	53.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.10%
36) 1,2-Dichloropropane-d6	6.72	67	121150	56.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.70%
41) Toluene-d8	7.93	98	314762	51.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.26%
43) trans-1,3-Dichloropropene-	8.20	79	48829	48.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.76%
47) 2-Hexanone-d5	8.66	63	103108	98.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.09%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	167715	55.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.66%
64) 1,2-Dichlorobenzene-d4	12.21	152	91360	58.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.16%

Target Compounds

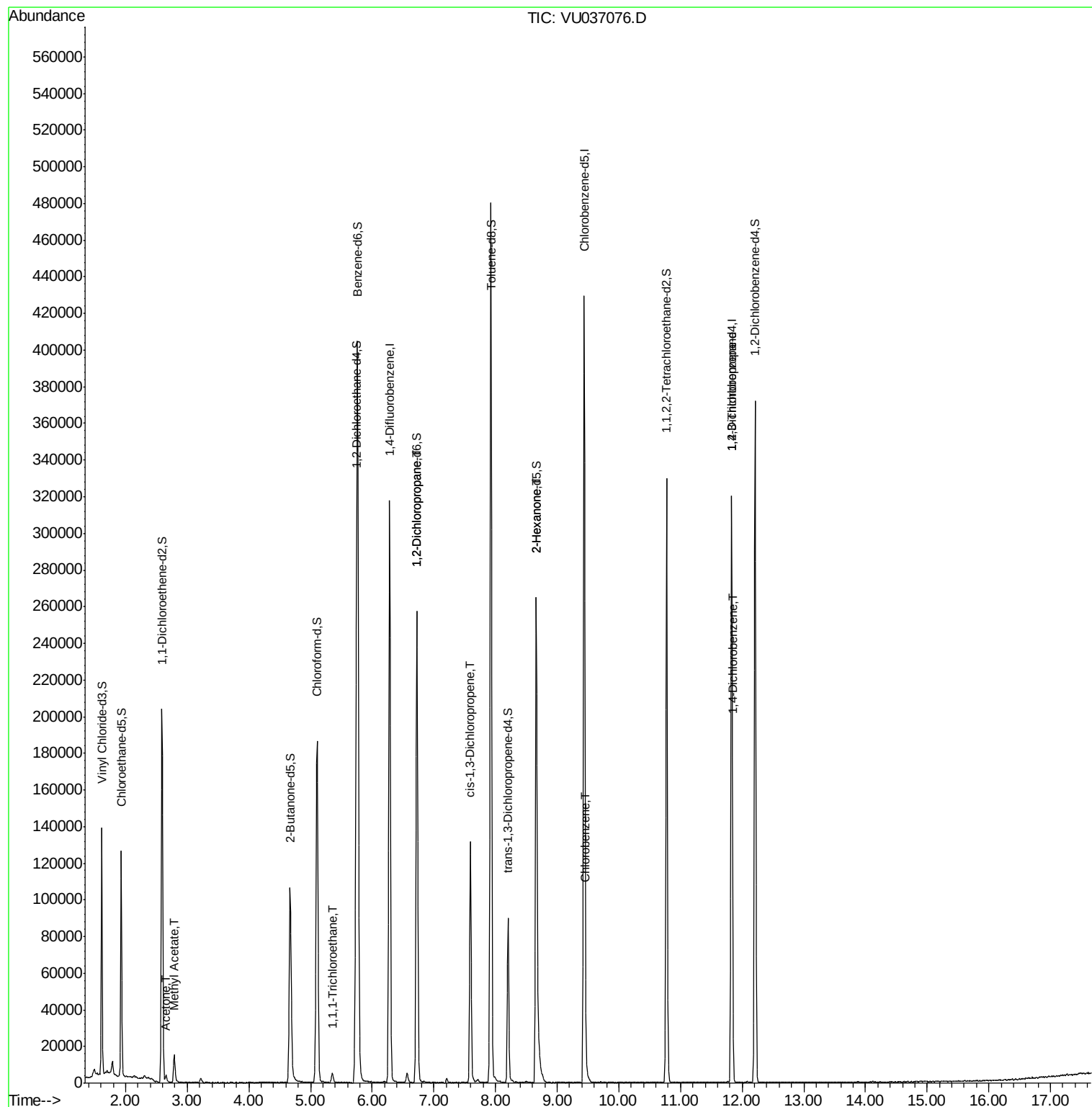
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.66	43	4119	2.945	ug/L	97
15) Methyl Acetate	2.79	43	4246	1.992	ug/L #	52
30) 1,1,1-Trichloroethane	5.35	97	3639	1.479	ug/L	97
37) 1,2-Dichloropropane	6.72	63	12987	6.654	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3117	1.037	ug/L #	59
48) 2-Hexanone	8.66	43	11752	5.120	ug/L #	74
51) Chlorobenzene	9.47	112	4498	0.983	ug/L	96
59) 1,2,3-Trichloropropane	11.83	75	13716	5.463	ug/L	95
63) 1,4-Dichlorobenzene	11.85	146	2922	1.133	ug/L	87

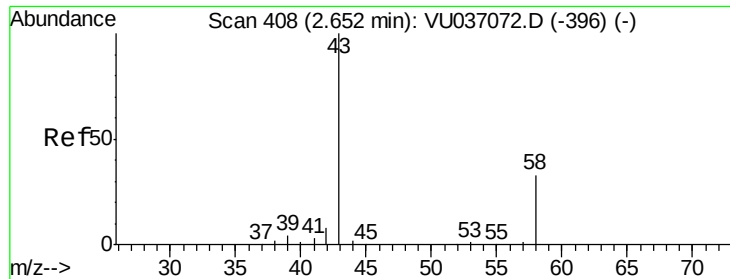
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 2.945 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037076.D

Acq: 05 Mar 2020 12:25

Instrument :

MSVOA_U

ClientSampleId :

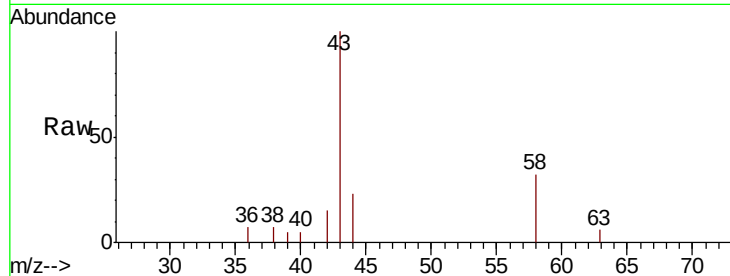
C0AZ6

Tot Ion: 43 Resp: 4119

Ion Ratio Lower Upper

43 100

58 30.4 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU037076.D (-408) (-)

Ion 58.00 (57.70 to 58.70): VU037076.D (-408) (-)

2500

2000

1500

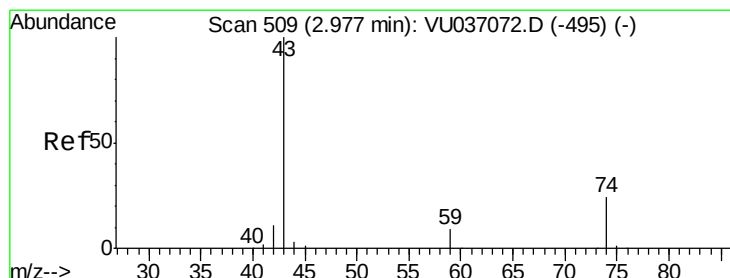
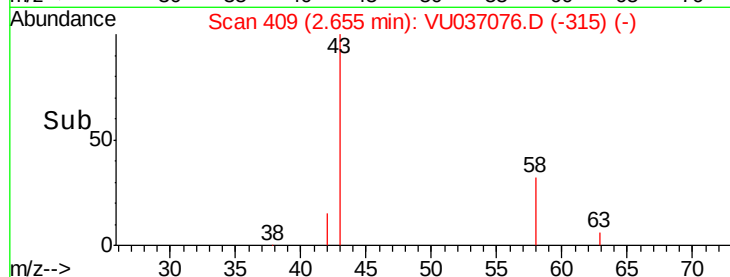
1000

500

0

2.60 2.65 2.70

Time-->



#15

Methyl Acetate

Concen: 1.992 ug/L

RT: 2.79 min Scan# 451

Delta R.T. -0.19 min

Lab File: VU037076.D

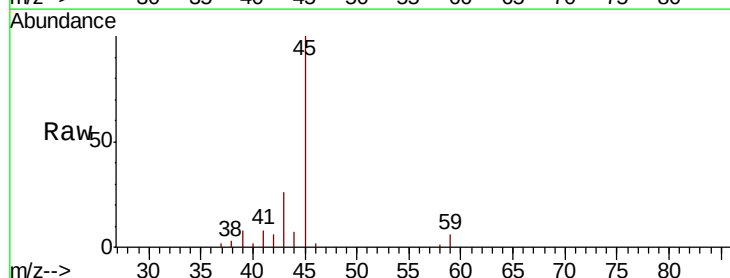
Acq: 05 Mar 2020 12:25

Tgt Ion: 43 Resp: 4246

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VU037076.D (-451) (-)

Ion 74.00 (73.70 to 74.70): VU037076.D (-451) (-)

2500

2000

1500

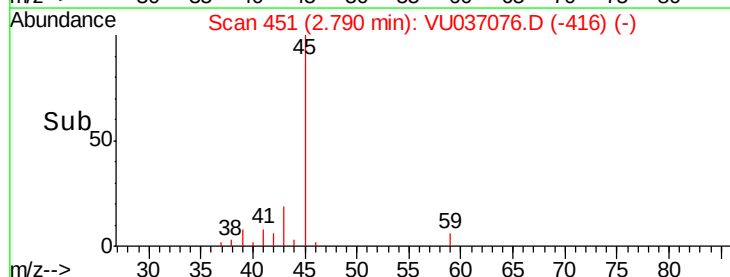
1000

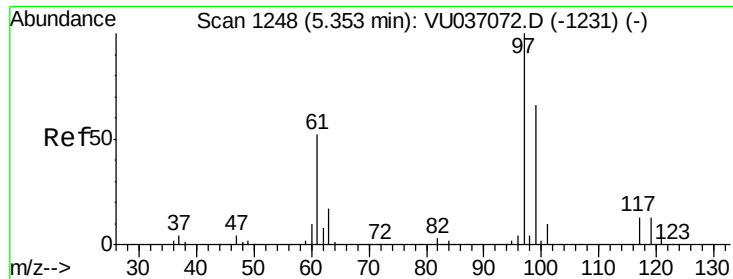
500

0

2.75 2.80 2.85

Time-->



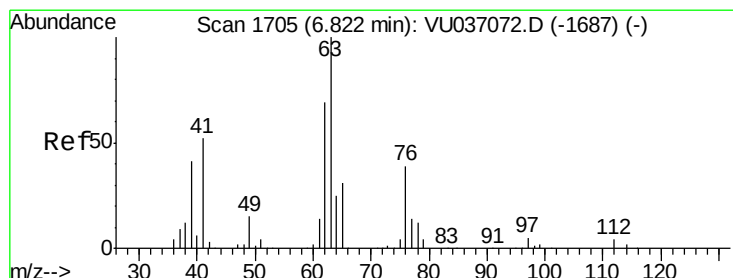
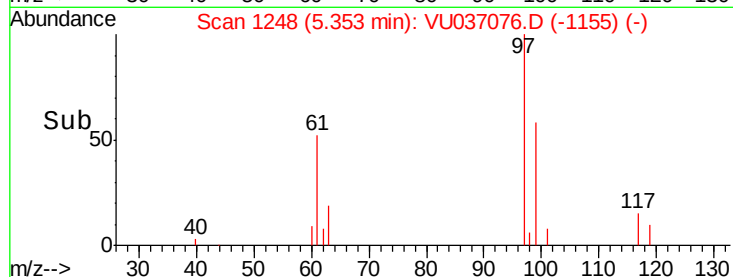
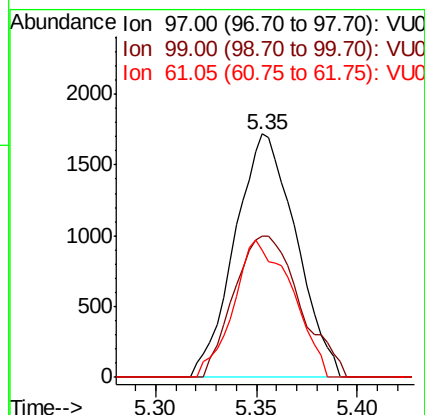
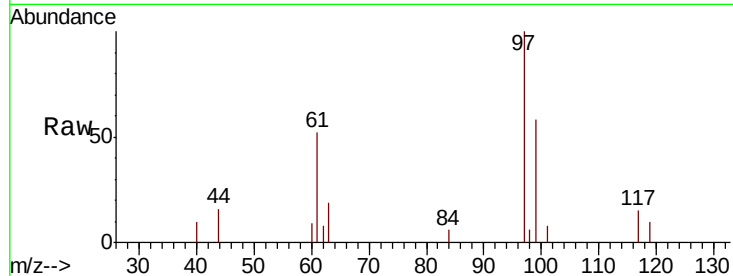


#30
 1,1,1-Trichloroethane
 Concen: 1.479 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU037076.D
 Acq: 05 Mar 2020 12:25

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AZ6

Tot Ion: 97 Resp: 3639

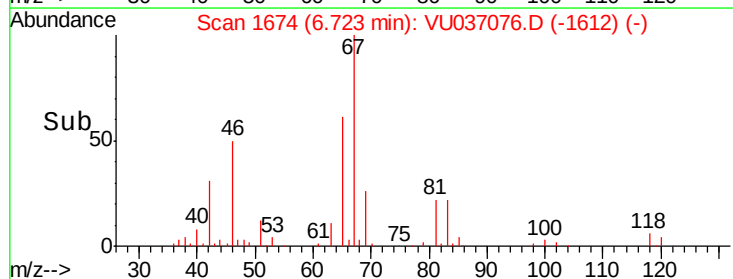
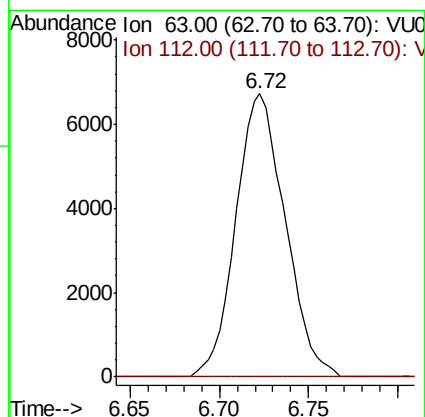
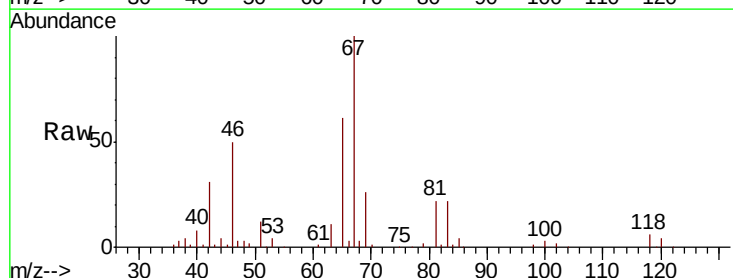
Ion	Ratio	Lower	Upper
97	100		
99	62.5	50.4	75.6
61	54.0	40.3	60.5

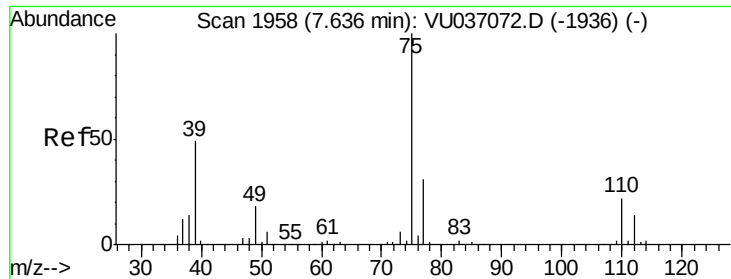


#37
 1,2-Dichloropropane
 Concen: 6.654 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037076.D
 Acq: 05 Mar 2020 12:25

Tgt Ion: 63 Resp: 12987

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.0	4.6#

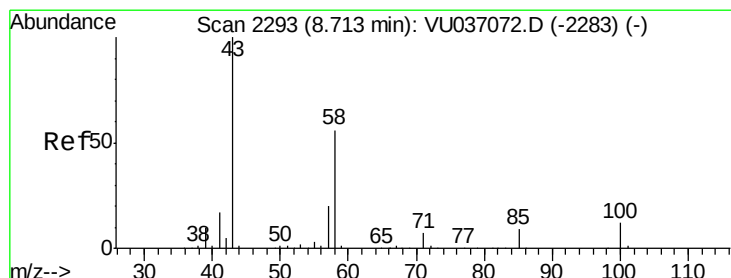
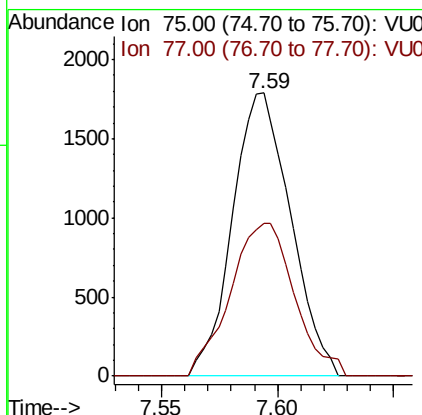
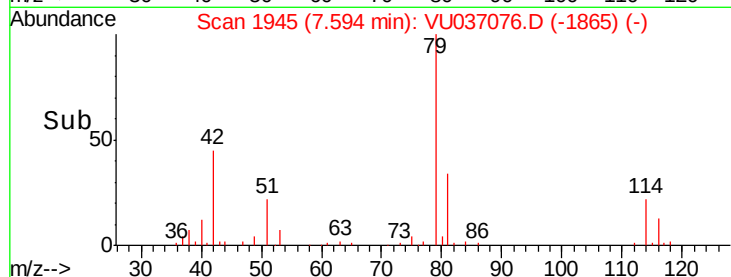
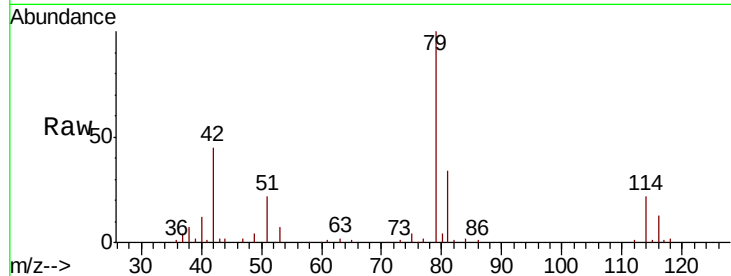




#39
 cis-1,3-Dichloropropene
 Concen: 1.037 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037076.D
 Acq: 05 Mar 2020 12:25

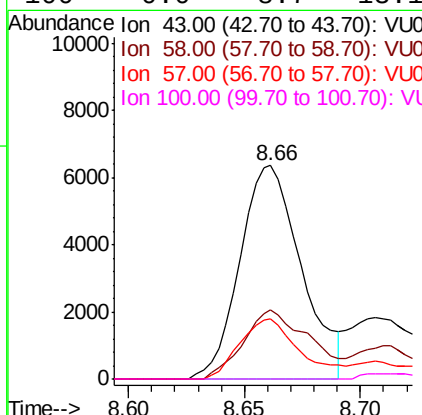
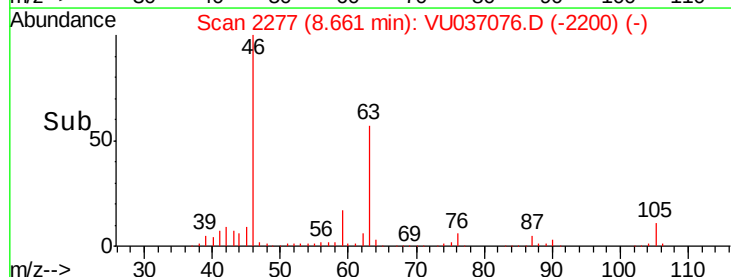
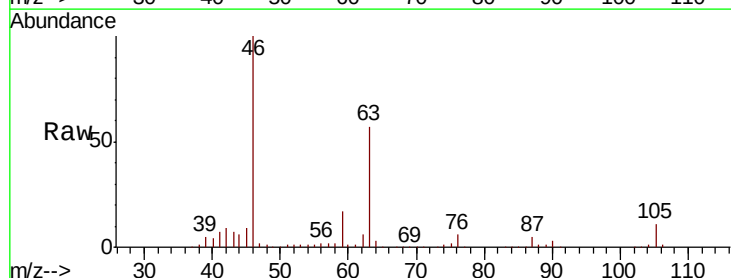
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AZ6

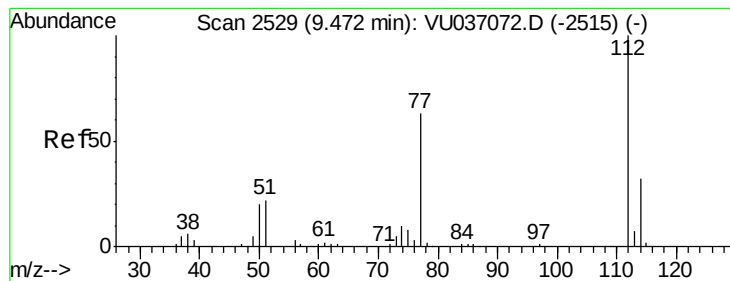
Tot Ion: 75 Resp: 3117
 Ion Ratio Lower Upper
 75 100
 77 54.1 22.0 41.0#



#48
 2-Hexanone
 Concen: 5.120 ug/L
 RT: 8.66 min Scan# 2277
 Delta R.T. -0.05 min
 Lab File: VU037076.D
 Acq: 05 Mar 2020 12:25

Tgt Ion: 43 Resp: 11752
 Ion Ratio Lower Upper
 43 100
 58 34.3 43.5 65.3#
 57 27.7 15.1 22.7#
 100 0.0 8.7 13.1#





#51

Chlorobenzene

Concen: 0.983 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU037076.D

Acq: 05 Mar 2020 12:25

Instrument :

MSVOA_U

ClientSampleId :

C0AZ6

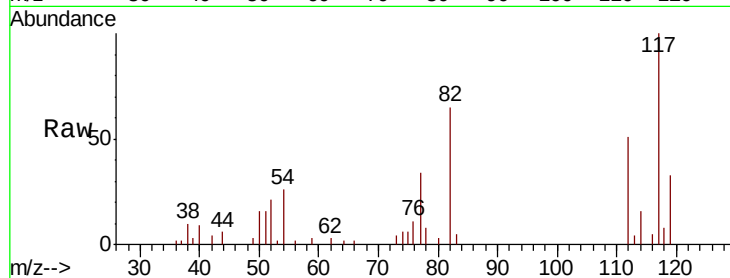
Tot Ion:112 Resp: 4498

Ion Ratio Lower Upper

112 100

114 30.8 22.3 41.5

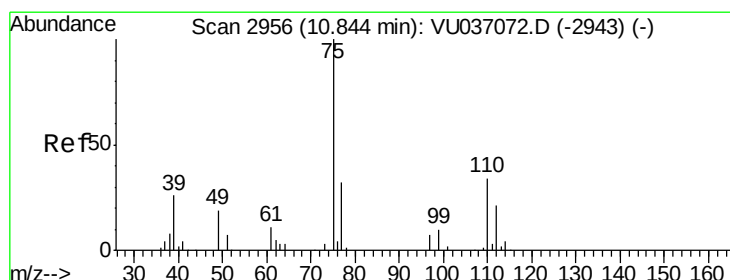
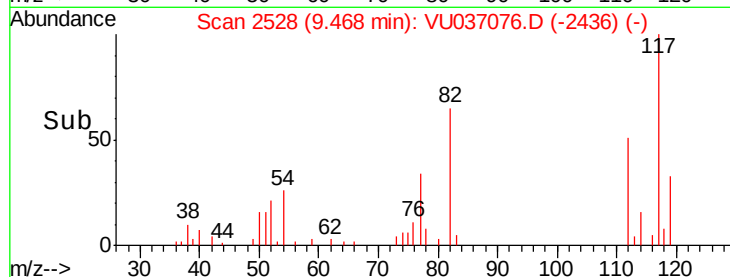
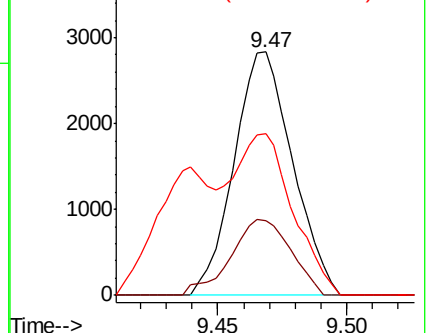
77 66.4 50.1 75.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 5.463 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.98 min

Lab File: VU037076.D

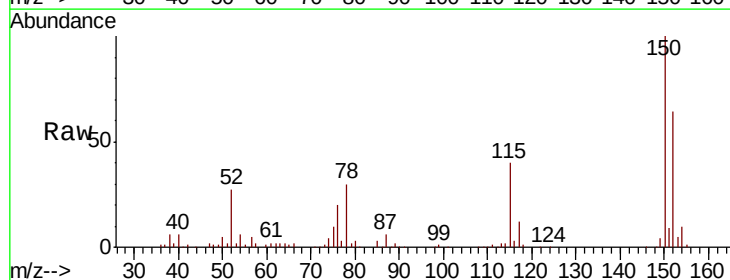
Acq: 05 Mar 2020 12:25

Tgt Ion: 75 Resp: 13716

Ion Ratio Lower Upper

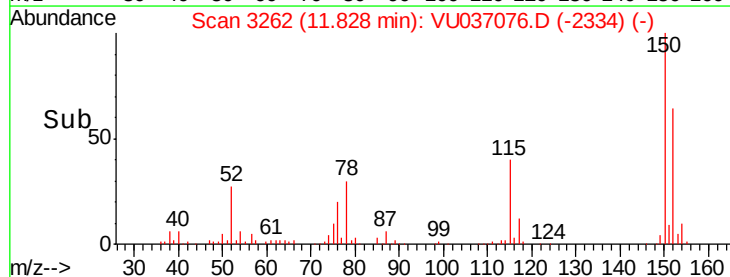
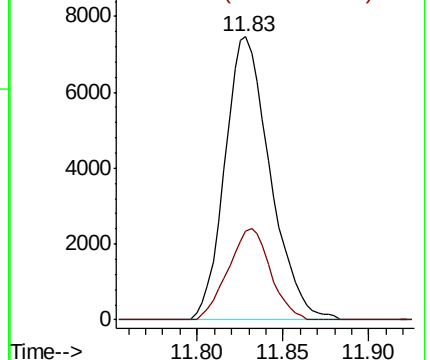
75 100

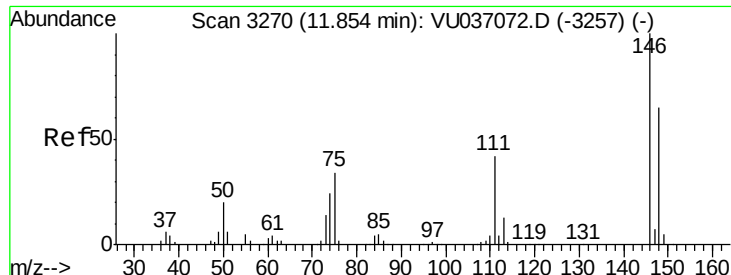
77 30.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#63

1,4-Dichlorobenzene

Concen: 1.133 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU037076.D

Acq: 05 Mar 2020 12:25

Instrument :

MSVOA_U

ClientSampleId :

C0AZ6

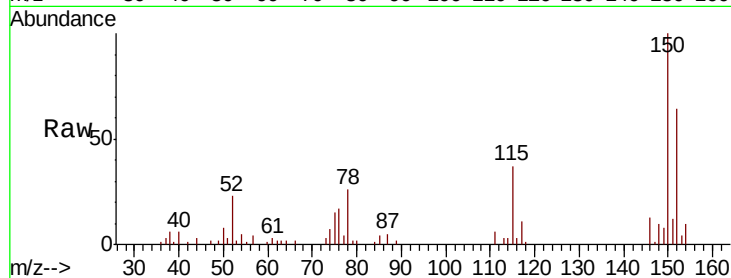
Tot Ion:146 Resp: 2922

Ion Ratio Lower Upper

146 100

111 49.4 29.8 55.4

148 76.0 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

