

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030520\
 Data File : VU037077.D
 Acq On : 05 Mar 2020 12:48
 Operator : JC/MD
 Sample : L1784-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AZ7

Quant Time: Mar 05 22:38:32 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	257110	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	245162	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	86011	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	83641	38.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.48%
7) Chloroethane-d5	1.93	69	85069	47.62	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.24%
11) 1,1-Dichloroethene-d2	2.59	63	115520	31.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.90%
21) 2-Butanone-d5	4.67	46	152146	105.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.05%
24) Chloroform-d	5.11	84	160644	48.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.44%
26) 1,2-Dichloroethane-d4	5.74	65	111682	50.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.10%
32) Benzene-d6	5.76	84	344131	48.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.08%
36) 1,2-Dichloropropane-d6	6.72	67	115051	50.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.18%
41) Toluene-d8	7.92	98	302934	46.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.12%
43) trans-1,3-Dichloropropene-	8.20	79	46723	43.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.54%
47) 2-Hexanone-d5	8.66	63	101470	90.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.35%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	159683	49.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.62%
64) 1,2-Dichlorobenzene-d4	12.21	152	88981	52.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.84%

Target Compounds

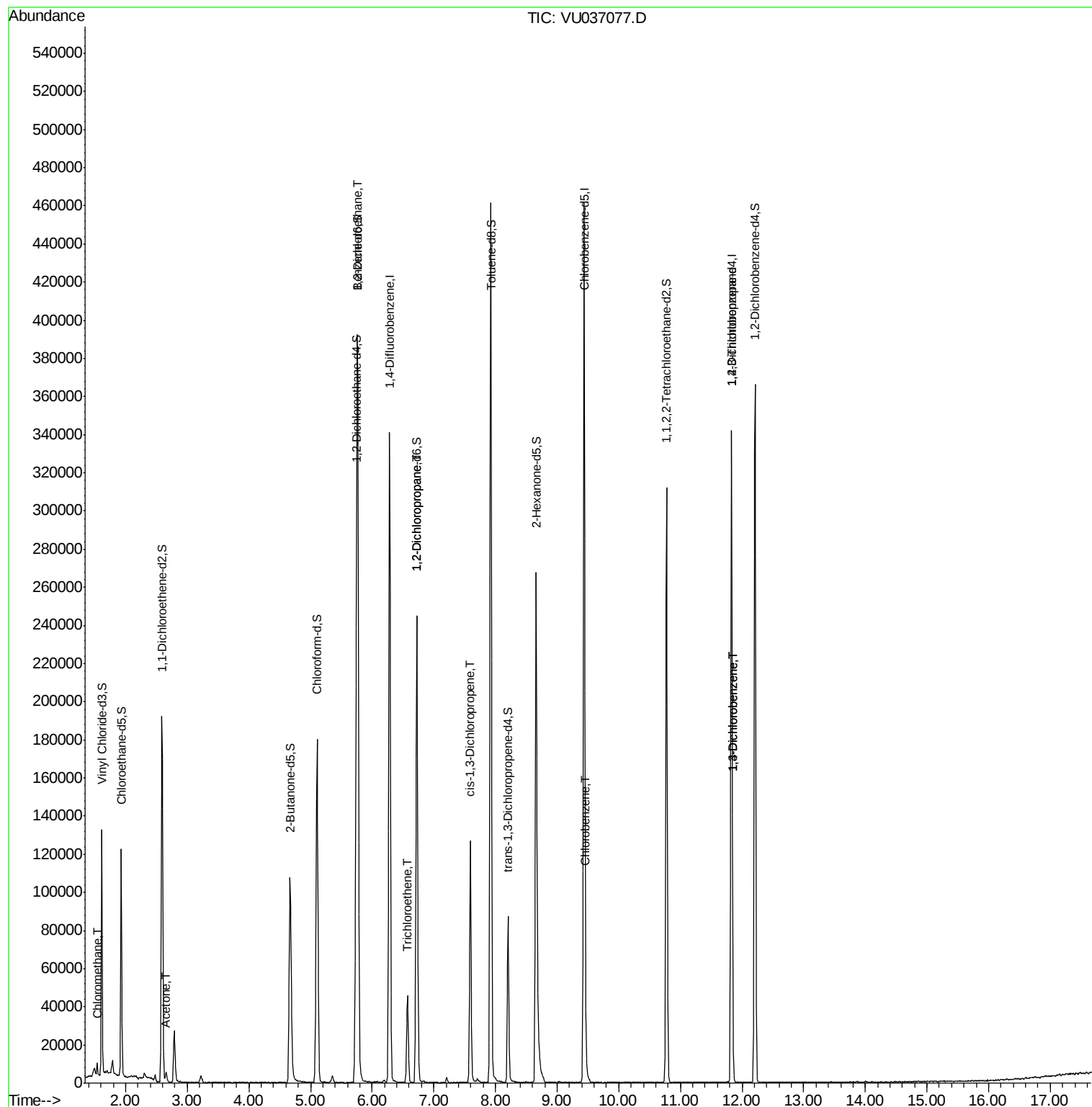
					Ovalue
3) Chloromethane	1.54	50	4234	1.688 ug/L	97
13) Acetone	2.66	43	5433	3.647 ug/L	93
27) 1,2-Dichloroethane	5.76	62	2109	0.775 ug/L #	75
34) Trichloroethene	6.57	95	14650	7.696 ug/L	97
37) 1,2-Dichloropropane	6.72	63	12746	6.112 ug/L #	88
39) cis-1,3-Dichloropropene	7.60	75	2877	0.896 ug/L #	58
51) Chlorobenzene	9.47	112	4533	0.927 ug/L	96
59) 1,2,3-Trichloropropane	11.83	75	13729	5.118 ug/L	96
62) 1,3-Dichlorobenzene	11.85	146	2672	0.958 ug/L	87
63) 1,4-Dichlorobenzene	11.85	146	2672	0.969 ug/L	87

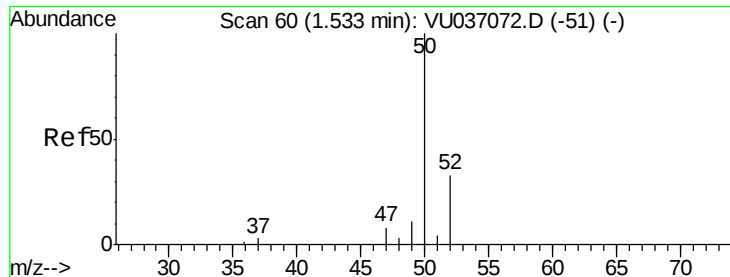
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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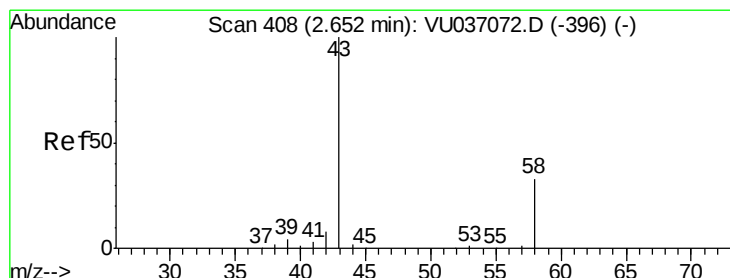
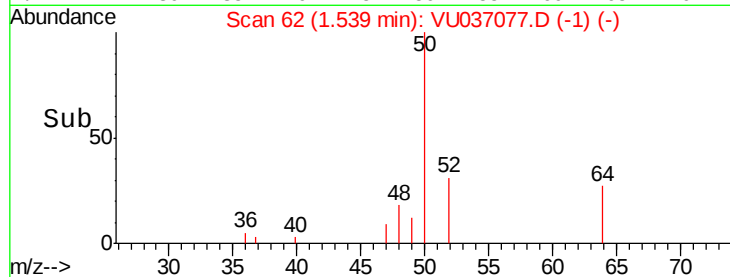
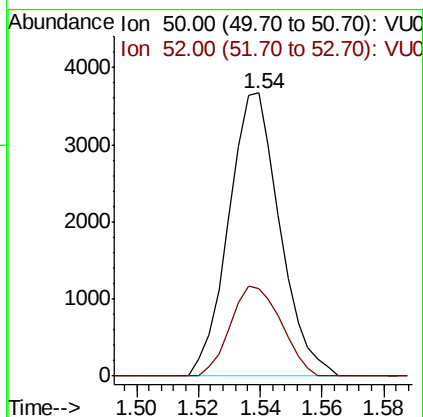
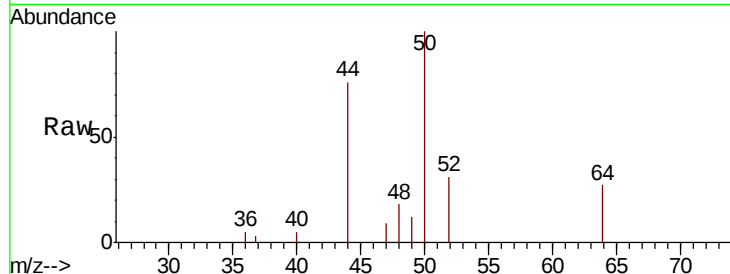




#3
 Chloromethane
 Concen: 1.688 ug/L
 RT: 1.54 min Scan# 62
 Delta R.T. 0.01 min
 Lab File: VU037077.D
 Acq: 05 Mar 2020 12:48

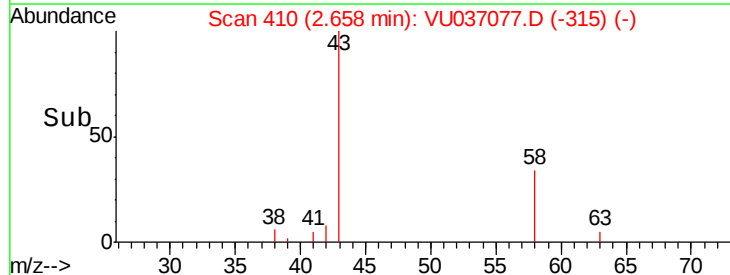
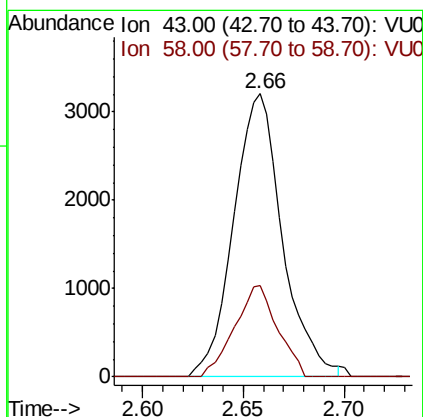
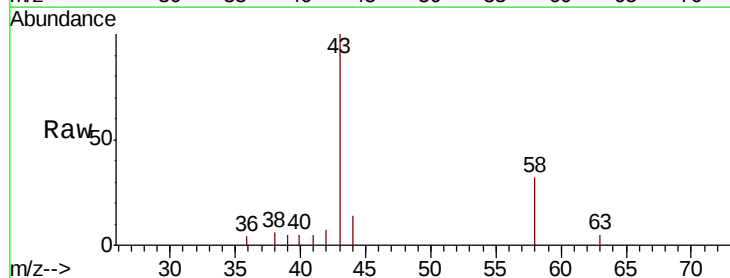
Instrument :
 MSVOA_U
 ClientSampled :
 C0A27

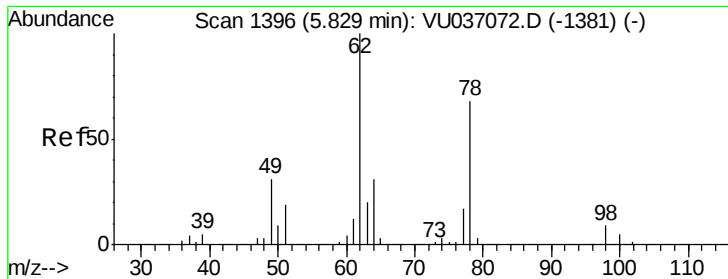
Tot Ion: 50 Resp: 4234
 Ion Ratio Lower Upper
 50 100
 52 31.0 23.0 42.6



#13
 Acetone
 Concen: 3.647 ug/L
 RT: 2.66 min Scan# 410
 Delta R.T. 0.01 min
 Lab File: VU037077.D
 Acq: 05 Mar 2020 12:48

Tgt Ion: 43 Resp: 5433
 Ion Ratio Lower Upper
 43 100
 58 28.4 0.0 64.6





#27

1,2-Dichloroethane

Concen: 0.775 ug/L

RT: 5.76 min Scan# 1376

Delta R.T. -0.06 min

Lab File: VU037077.D

Acq: 05 Mar 2020 12:48

Instrument :

MSVOA_U

ClientSampleId :

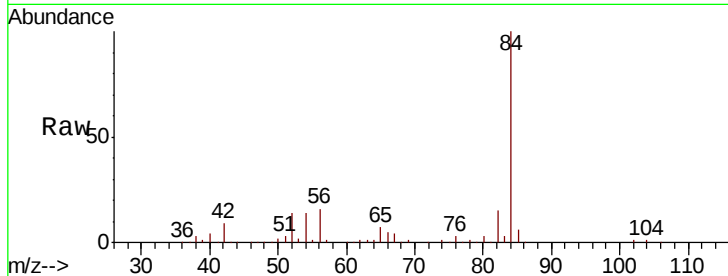
C0AZ7

Tot Ion: 62 Resp: 2109

Ion Ratio Lower Upper

62 100

98 0.0 7.1 10.7#



Abundance Ion 62.00 (61.70 to 62.70): VU037077.D (-1381) (-)

Ion 98.00 (97.70 to 98.70): VU037077.D (-1381) (-)

5.76

1200

1000

800

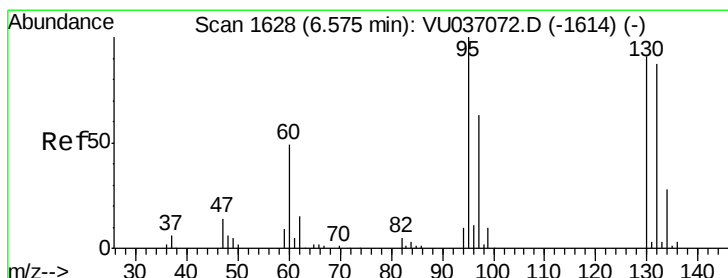
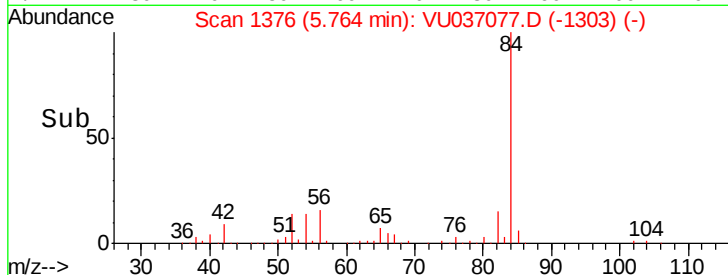
600

400

200

0

Time-->



#34

Trichloroethene

Concen: 7.696 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037077.D

Acq: 05 Mar 2020 12:48

Tgt Ion: 95 Resp: 14650

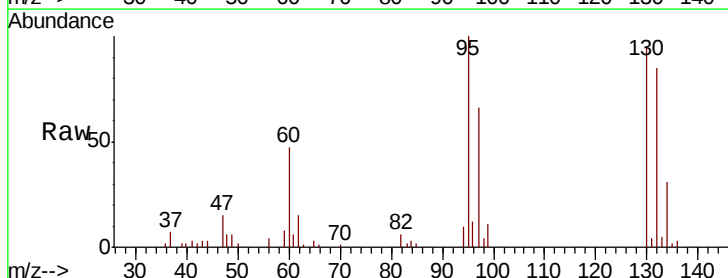
Ion Ratio Lower Upper

95 100

97 65.9 44.1 81.9

132 84.6 60.6 112.6

130 95.4 64.9 120.5



Abundance Ion 95.00 (94.70 to 95.70): VU037077.D (-1614) (-)

Ion 97.00 (96.70 to 97.70): VU037077.D (-1614) (-)

Ion 132.00 (131.70 to 132.70): VU037077.D (-1614) (-)

Ion 130.00 (129.70 to 130.70): VU037077.D (-1614) (-)

6.57

12000

10000

8000

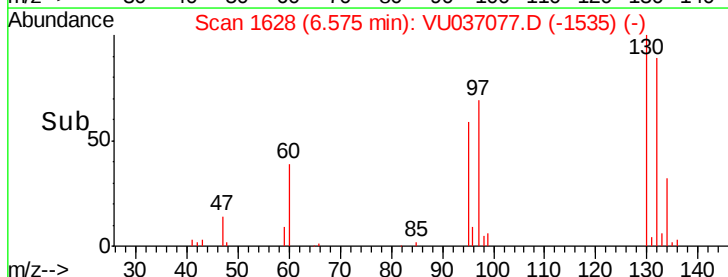
6000

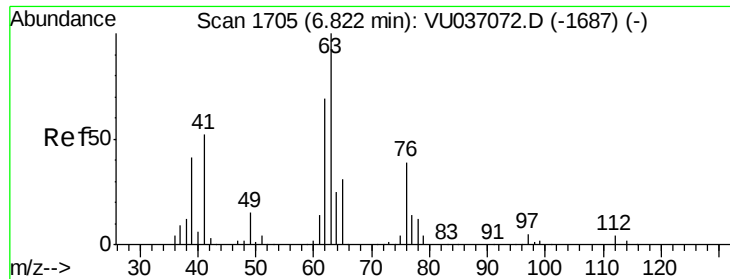
4000

2000

0

Time-->

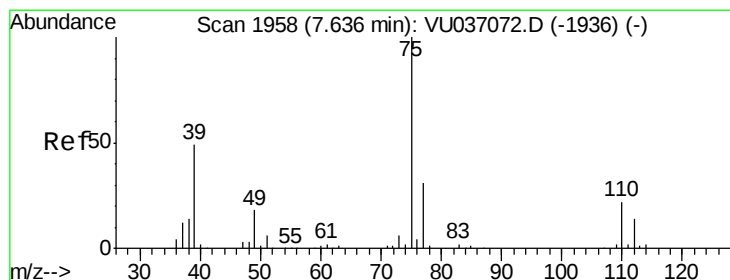
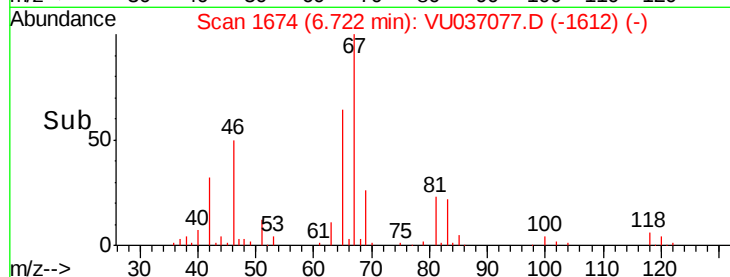
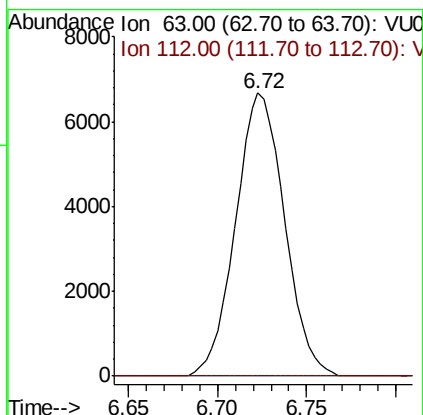
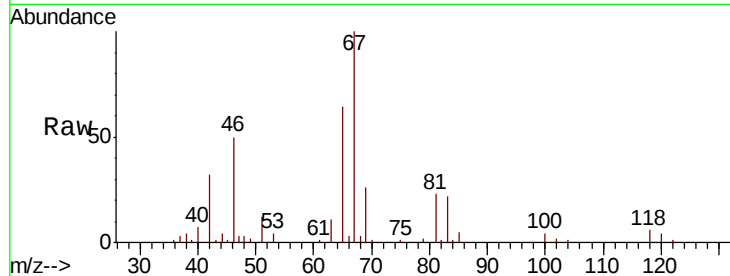




#37
 1,2-Dichloropropane
 Concen: 6.112 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037077.D
 Acq: 05 Mar 2020 12:48

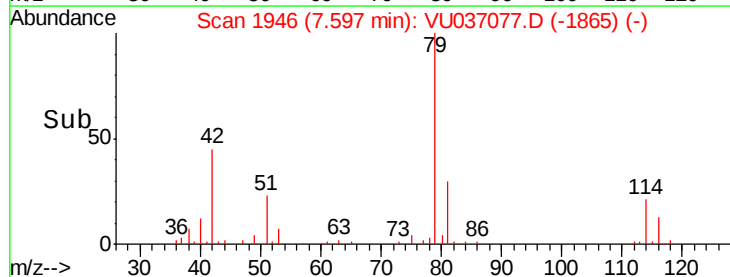
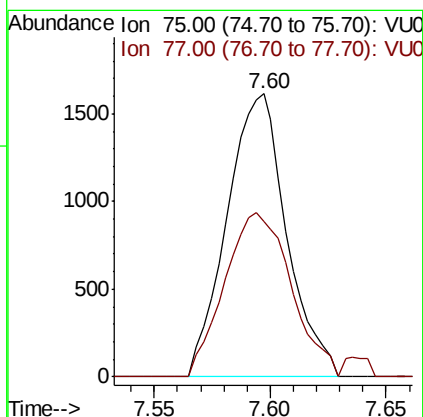
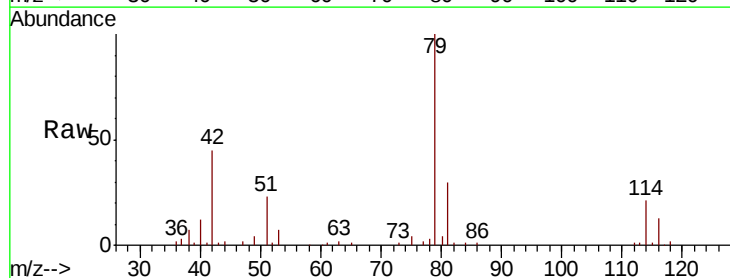
Instrument :
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 C0A27

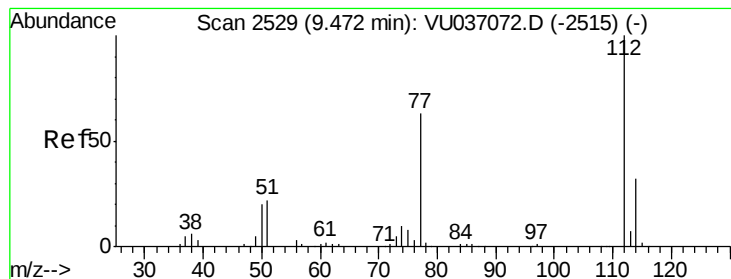
Tot Ion: 63 Resp: 12746
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.896 ug/L
 RT: 7.60 min Scan# 1946
 Delta R.T. -0.04 min
 Lab File: VU037077.D
 Acq: 05 Mar 2020 12:48

Tgt Ion: 75 Resp: 2877
 Ion Ratio Lower Upper
 75 100
 77 55.0 22.0 41.0#

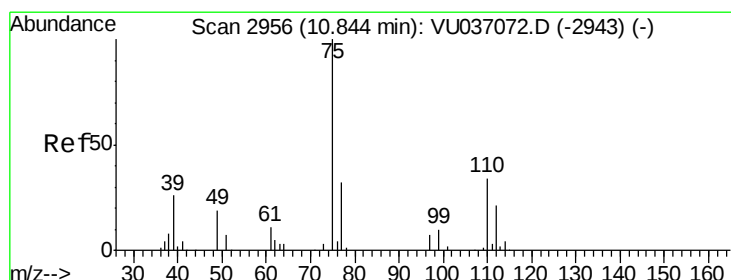
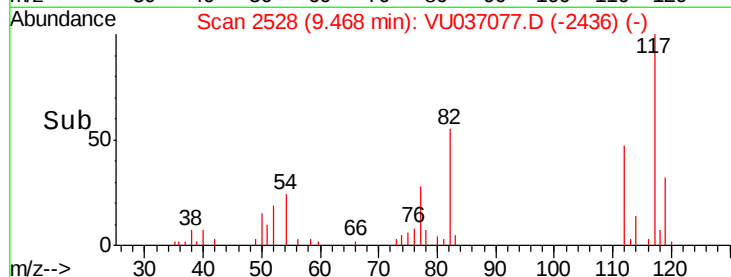
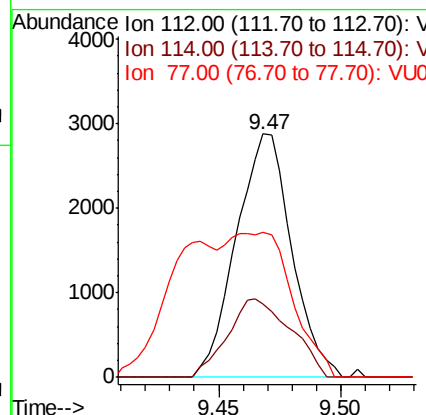
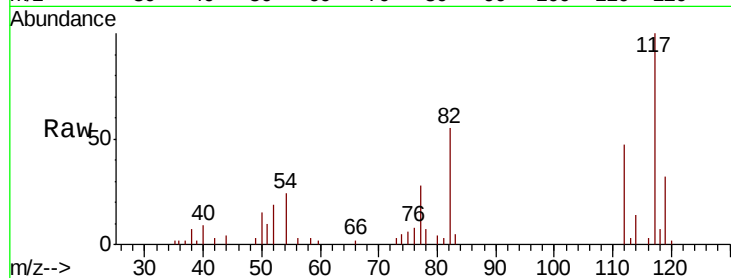




#51
 Chlorobenzene
 Concen: 0.927 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: VU037077.D
 Acq: 05 Mar 2020 12:48

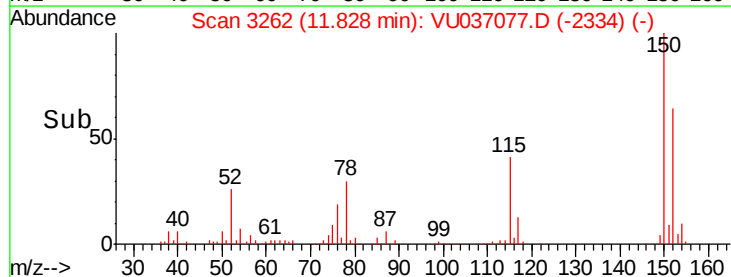
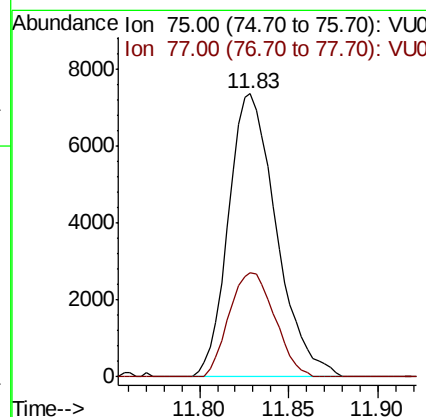
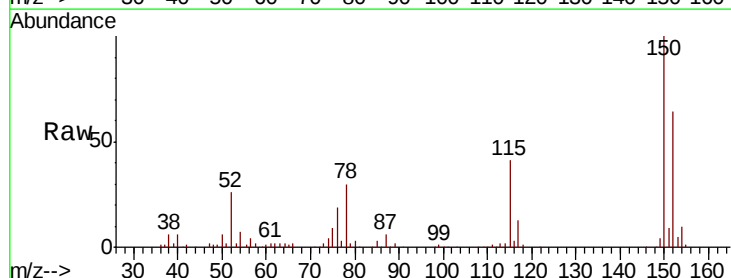
Instrument :
 MSVOA_U
 ClientSampleId :
 C0A27

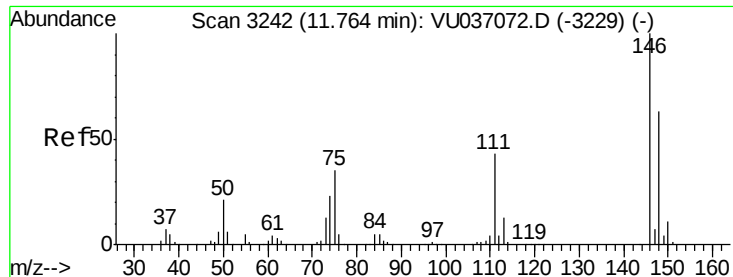
Tot Ion:112	Resp:	4533
Ion Ratio	Lower	Upper
112	100	
114	30.0	22.3 41.5
77	59.4	50.1 75.1



#59
 1,2,3-Trichloropropane
 Concen: 5.118 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. 0.98 min
 Lab File: VU037077.D
 Acq: 05 Mar 2020 12:48

Tgt Ion: 75	Resp:	13729
Ion Ratio	Lower	Upper
75	100	
77	34.9	26.2 39.2





#62

1,3-Dichlorobenzene

Concen: 0.958 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. 0.09 min

Lab File: VU037077.D

Acq: 05 Mar 2020 12:48

Instrument :

MSVOA_U

ClientSampleId :

C0AZ7

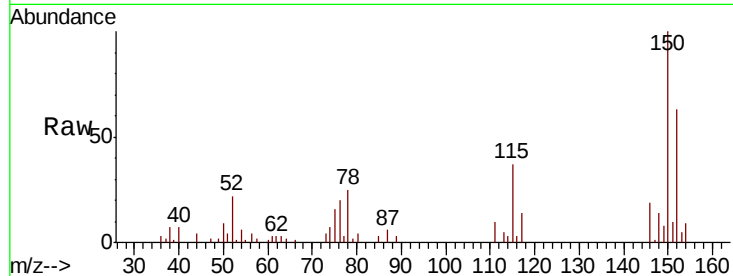
Tot Ion:146 Resp: 2672

Ion Ratio Lower Upper

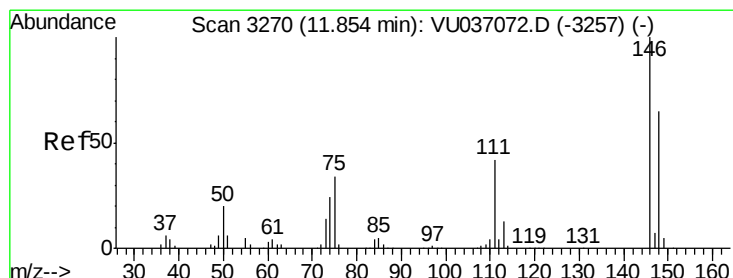
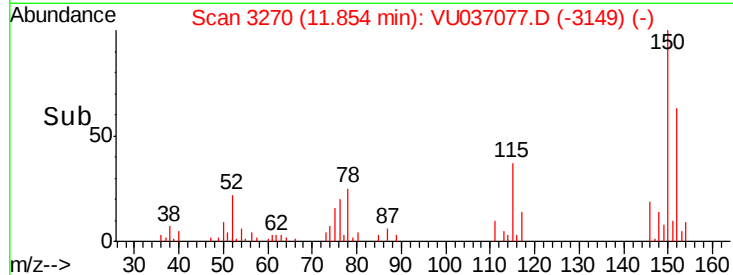
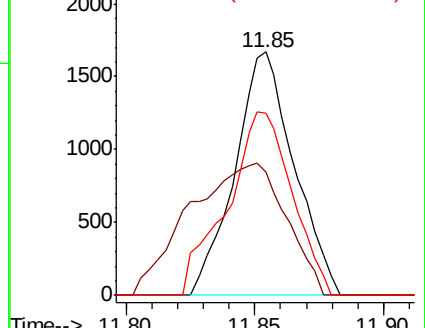
146 100

111 50.7 30.7 56.9

148 74.9 44.2 82.2



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



#63

1,4-Dichlorobenzene

Concen: 0.969 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU037077.D

Acq: 05 Mar 2020 12:48

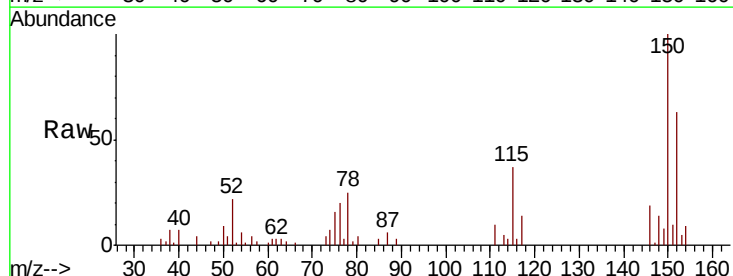
Tgt Ion:146 Resp: 2672

Ion Ratio Lower Upper

146 100

111 50.7 29.8 55.4

148 74.9 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

