

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030520\
 Data File : VU037082.D
 Acq On : 05 Mar 2020 14:42
 Operator : JC/MD
 Sample : L1780-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DG7

Quant Time: Mar 05 22:39:06 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	254378	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	241595	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	87427	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	79953	37.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.86%
7) Chloroethane-d5	1.93	69	81276	45.98	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.96%
11) 1,1-Dichloroethene-d2	2.59	63	111020	31.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.06%
21) 2-Butanone-d5	4.67	46	151566	105.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.77%
24) Chloroform-d	5.11	84	158218	48.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.74	65	108488	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.28%
32) Benzene-d6	5.76	84	332744	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.26%
36) 1,2-Dichloropropane-d6	6.72	67	112024	49.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.98%
41) Toluene-d8	7.92	98	290879	44.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.76%
43) trans-1,3-Dichloropropene-	8.20	79	43975	41.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.62%
47) 2-Hexanone-d5	8.66	63	100643	90.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.94%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	159201	49.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.78%
64) 1,2-Dichlorobenzene-d4	12.21	152	87657	51.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.58%

Target Compounds

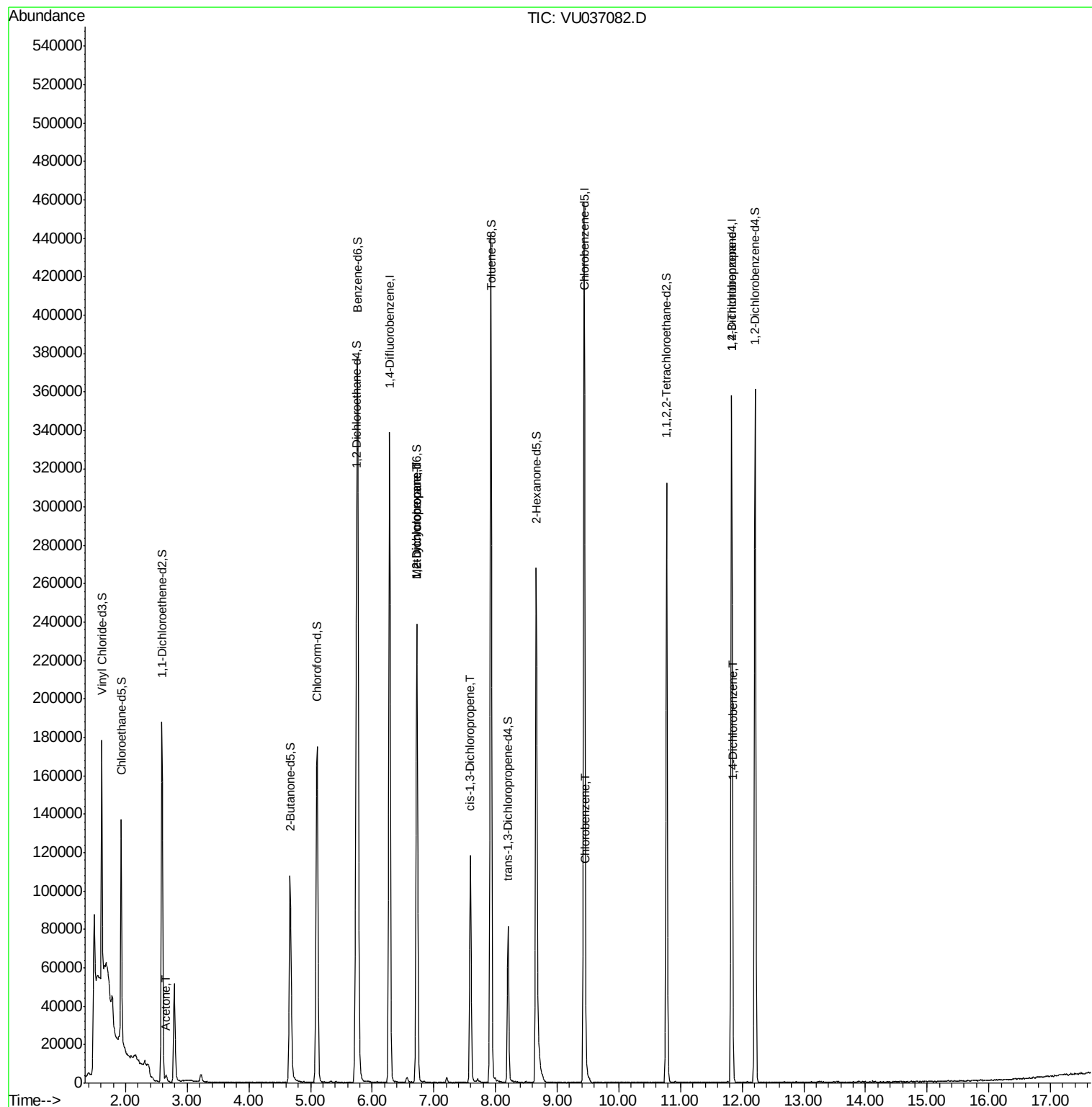
					Ovalue
13) Acetone	2.66	43	3860	2.619 ug/L	100
35) Methylcyclohexane	6.72	83	23981	7.373 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	12015	5.847 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2742	0.866 ug/L #	58
51) Chlorobenzene	9.47	112	5061	1.050 ug/L	98
59) 1,2,3-Trichloropropane	11.83	75	14433	5.459 ug/L	96
63) 1,4-Dichlorobenzene	11.85	146	2528	0.902 ug/L	84

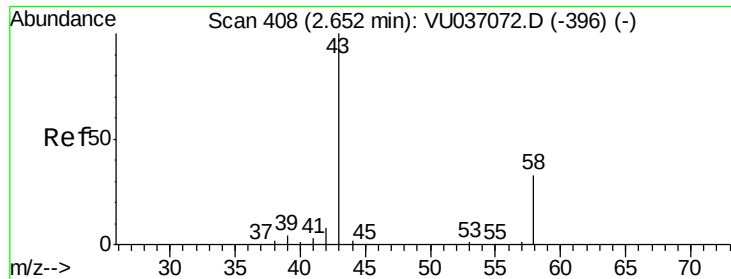
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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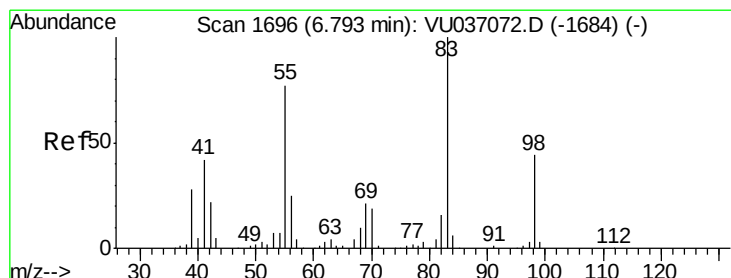
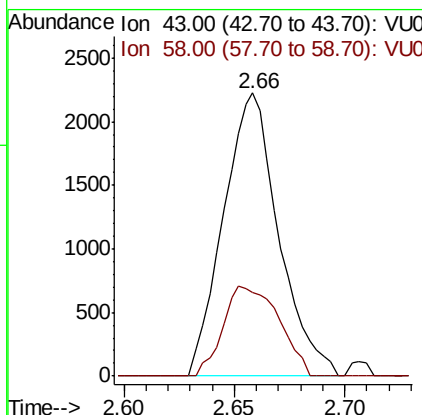
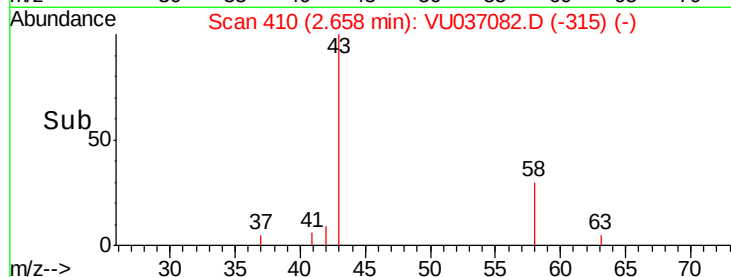
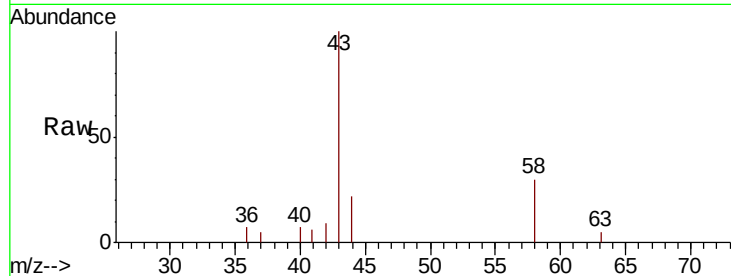




#13
Acetone
Concen: 2.619 ug/L
RT: 2.66 min Scan# 410
Delta R.T. 0.01 min
Lab File: VU037082.D
Acq: 05 Mar 2020 14:42

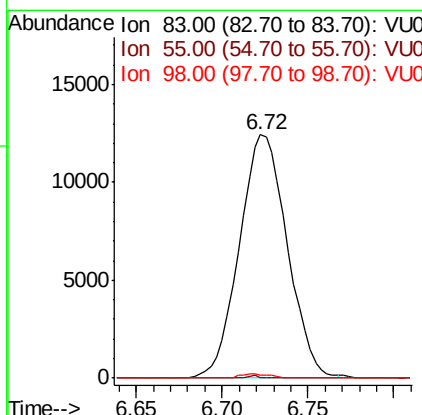
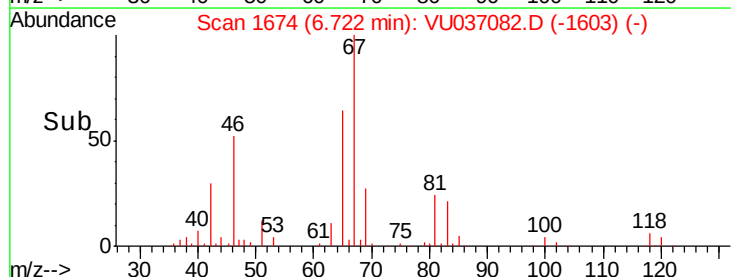
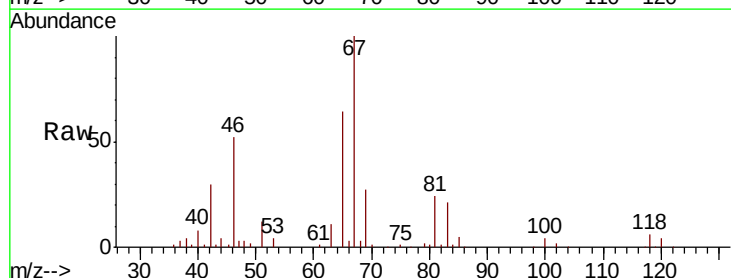
Instrument :
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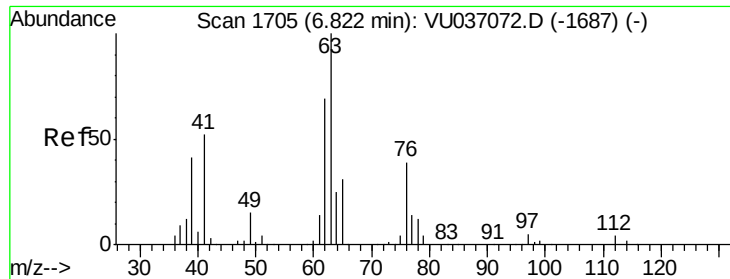
Tot Ion: 43 Resp: 3860
Ion Ratio Lower Upper
43 100
58 32.2 0.0 64.6



#35
Methylcyclohexane
Concen: 7.373 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037082.D
Acq: 05 Mar 2020 14:42

Tgt Ion: 83 Resp: 23981
Ion Ratio Lower Upper
83 100
55 0.2 62.6 93.8#
98 1.0 35.1 52.7#

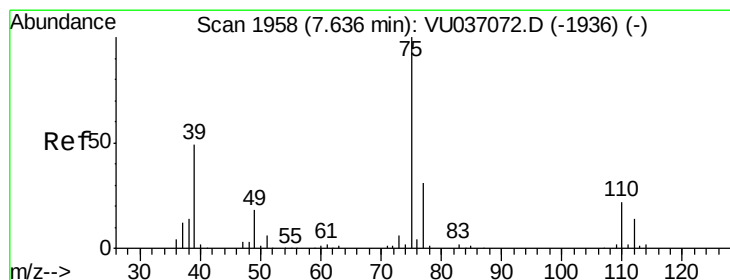
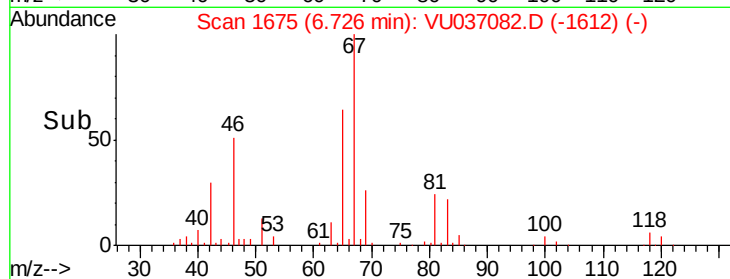
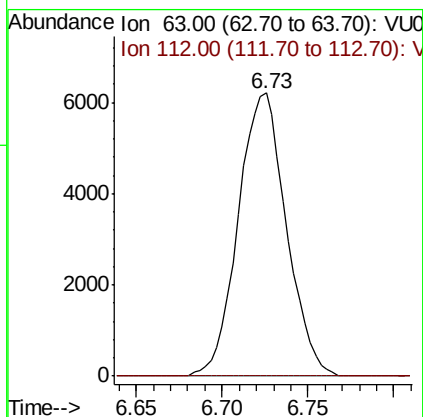
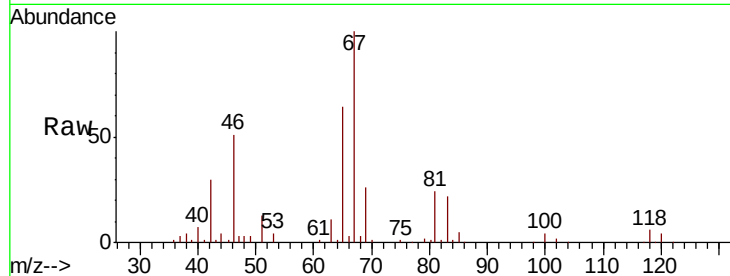




#37
 1,2-Dichloropropane
 Concen: 5.847 ug/L
 RT: 6.73 min Scan# 1675
 Delta R.T. -0.10 min
 Lab File: VU037082.D
 Acq: 05 Mar 2020 14:42

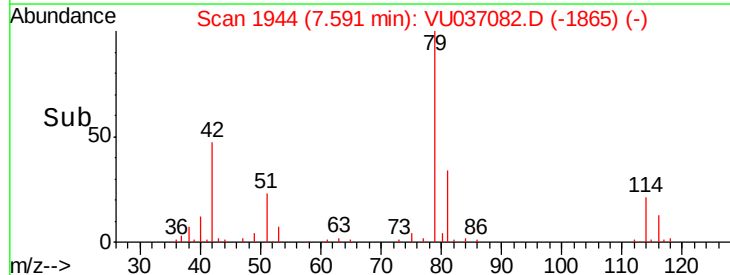
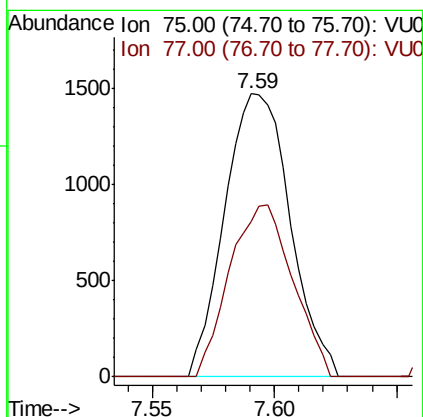
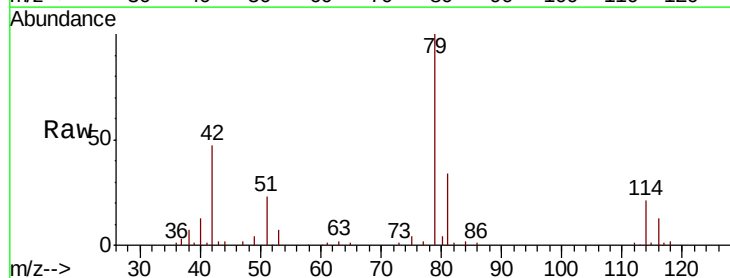
Instrument :
 MSVOA_U
 ClientSampleId :
 C0DG7

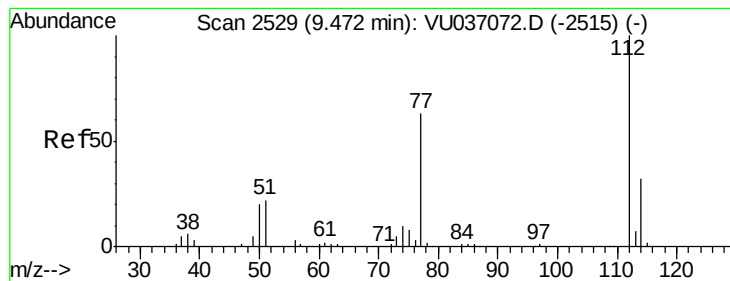
Tot Ion: 63 Resp: 12015
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.866 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.05 min
 Lab File: VU037082.D
 Acq: 05 Mar 2020 14:42

Tgt Ion: 75 Resp: 2742
 Ion Ratio Lower Upper
 75 100
 77 54.7 22.0 41.0#





#51

Chlorobenzene

Concen: 1.050 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU037082.D

Acq: 05 Mar 2020 14:42

Instrument :

MSVOA_U

ClientSampleId :

C0DG7

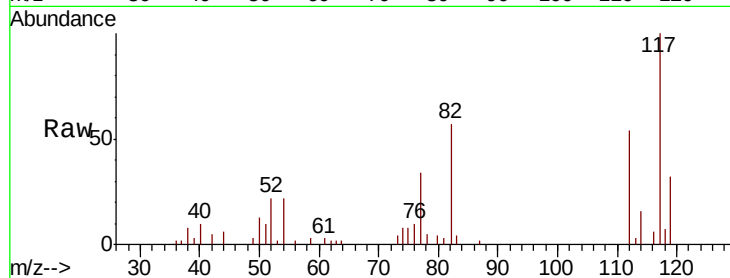
Tot Ion:112 Resp: 5061

Ion Ratio Lower Upper

112 100

114 29.6 22.3 41.5

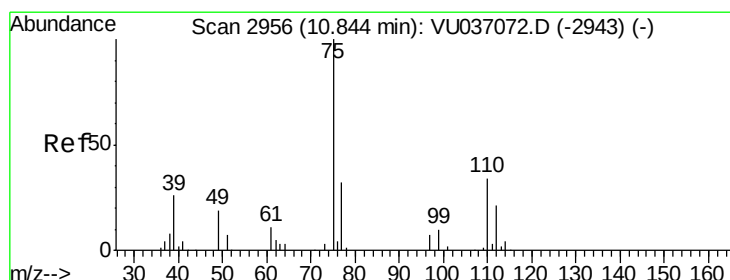
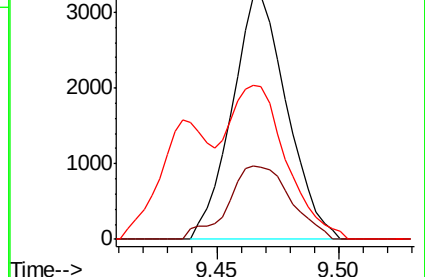
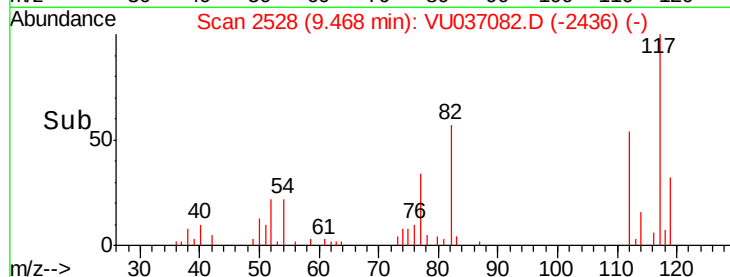
77 62.9 50.1 75.1



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: 5.459 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.98 min

Lab File: VU037082.D

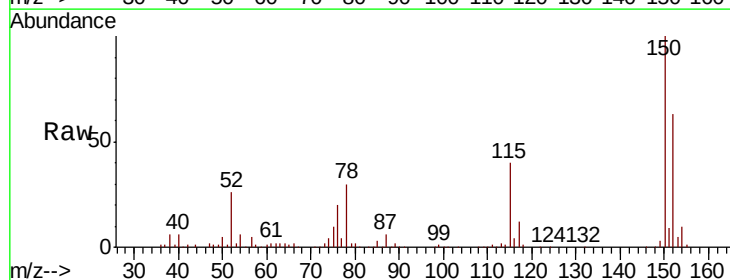
Acq: 05 Mar 2020 14:42

Tgt Ion: 75 Resp: 14433

Ion Ratio Lower Upper

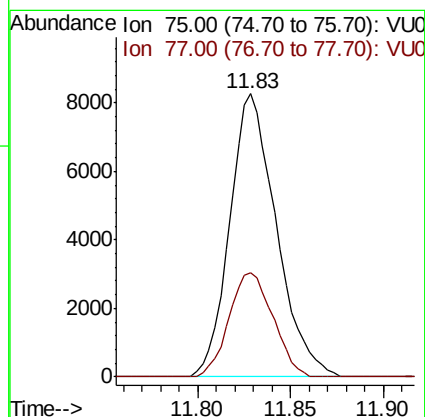
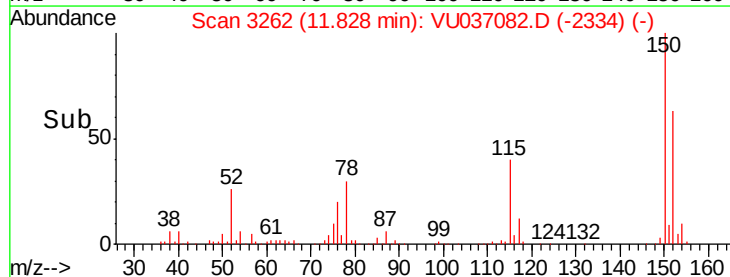
75 100

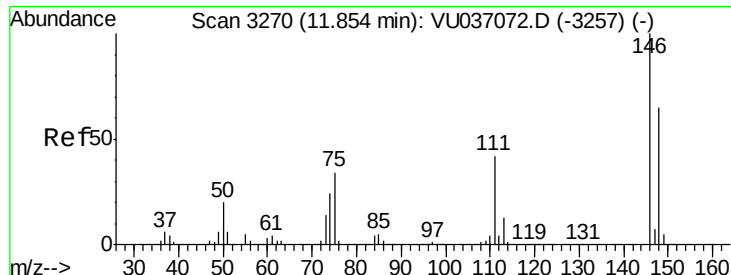
77 34.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#63
 1,4-Dichlorobenzene
 Concen: 0.902 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037082.D
 Acq: 05 Mar 2020 14:42

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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
146	100		
111	51.3	29.8	55.4
148	78.9	45.1	83.9

