

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030620\
 Data File : VU037124.D
 Acq On : 06 Mar 2020 21:12
 Operator : JC/MD
 Sample : L1834-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 07 00:05:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 23:54:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	257298	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	246155	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	87806	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	86951	40.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.48%
7) Chloroethane-d5	1.93	69	83940	46.95	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.90%
11) 1,1-Dichloroethene-d2	2.59	63	118174	32.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.32%
21) 2-Butanone-d5	4.67	46	133747	92.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.28%
24) Chloroform-d	5.11	84	155094	47.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.74	65	105777	47.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.74%
32) Benzene-d6	5.76	84	332449	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.72	67	109557	47.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.02%
41) Toluene-d8	7.92	98	291404	44.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.26%
43) trans-1,3-Dichloropropene-	8.20	79	43279	40.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.76%
47) 2-Hexanone-d5	8.66	63	89077	79.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.00%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	152307	46.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.68%
64) 1,2-Dichlorobenzene-d4	12.21	152	84092	48.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.98%

Target Compounds

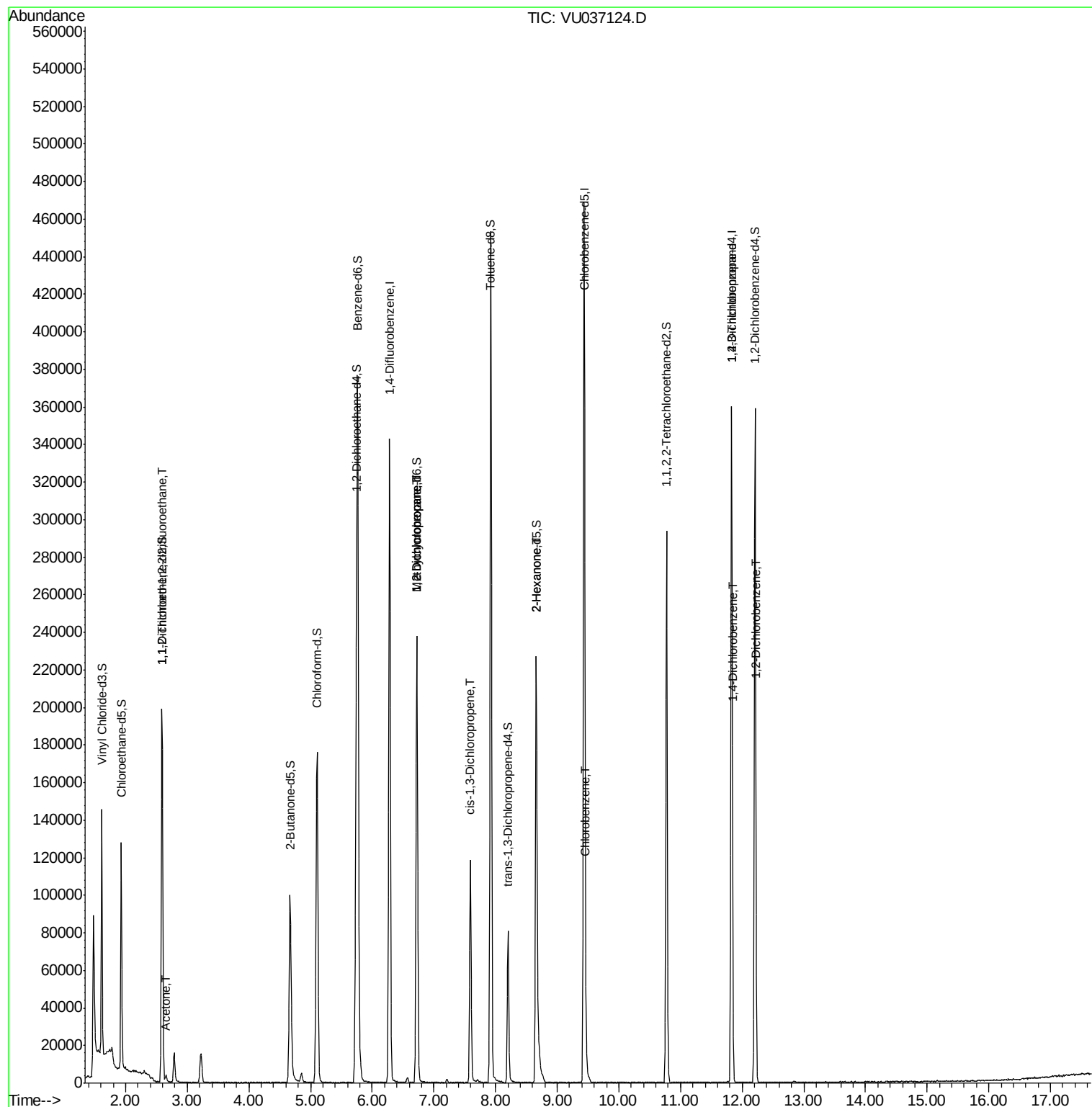
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1220	0.742	ug/L #	23
13) Acetone	2.66	43	3622	2.430	ug/L	100
35) Methylcyclohexane	6.72	83	23690	7.149	ug/L #	19
37) 1,2-Dichloropropane	6.72	63	12564	6.000	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2739	0.849	ug/L #	52
48) 2-Hexanone	8.66	43	10912	4.432	ug/L #	69
51) Chlorobenzene	9.47	112	11170	2.275	ug/L	94
59) 1,2,3-Trichloropropane	11.83	75	14617	5.427	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	3299	1.172	ug/L #	86
65) 1,2-Dichlorobenzene	12.23	146	2571	0.904	ug/L	94

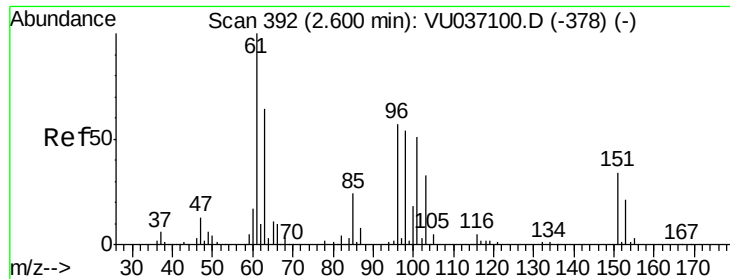
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Mar 06 23:54:55 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.742 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU037124.D

Acq: 06 Mar 2020 21:12

Instrument :

MSVOA_U

ClientSampled :

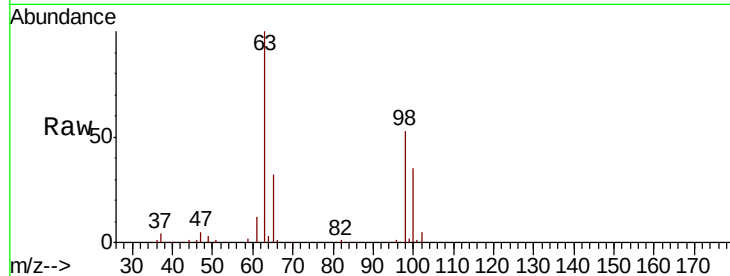
Tot Ion:101 Resp: 1220

Ion Ratio Lower Upper

101 100

85 0.0 36.4 54.6#

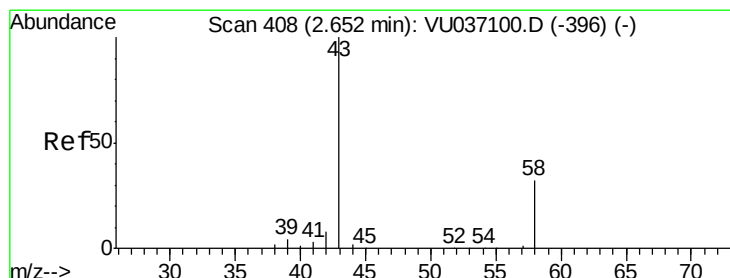
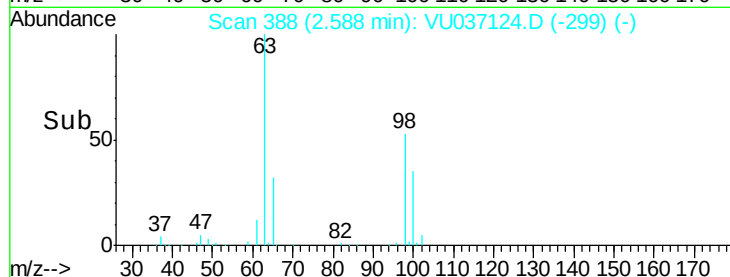
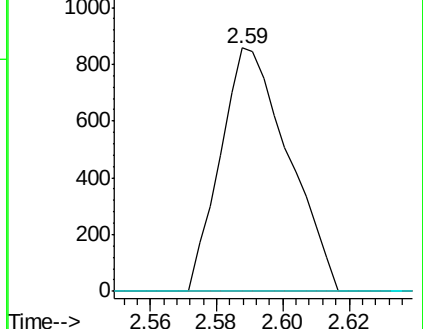
151 0.0 52.4 78.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 2.430 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037124.D

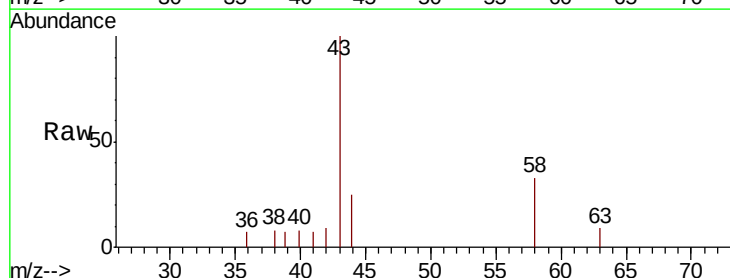
Acq: 06 Mar 2020 21:12

Tgt Ion: 43 Resp: 3622

Ion Ratio Lower Upper

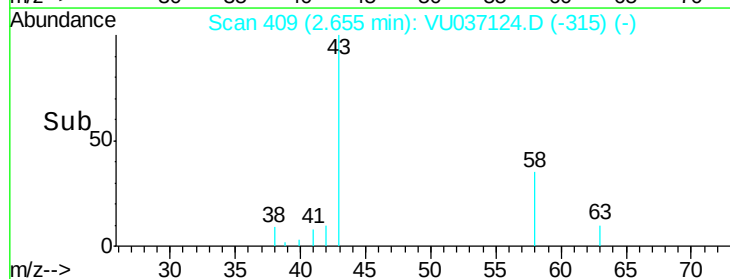
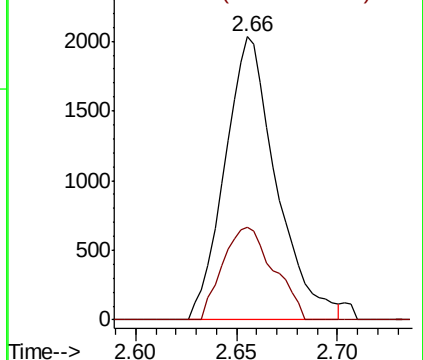
43 100

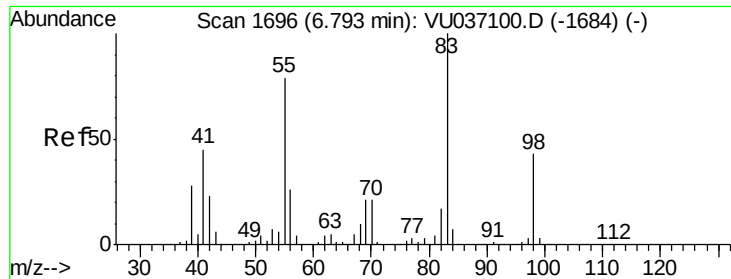
58 32.3 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

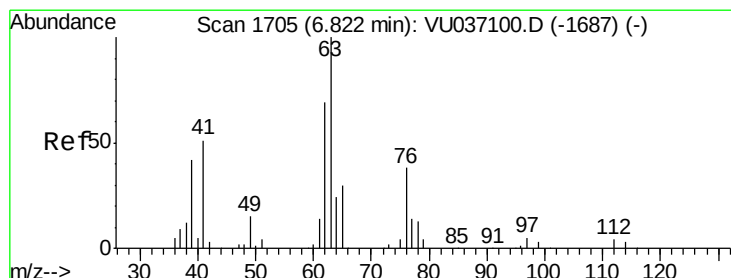
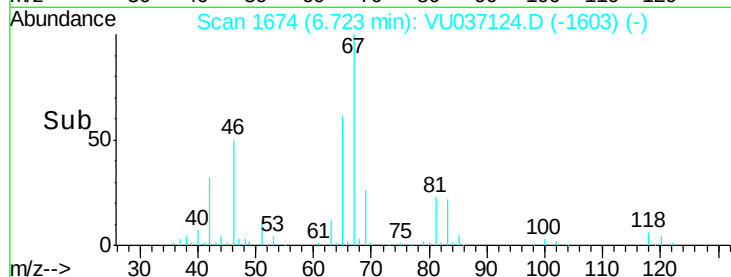
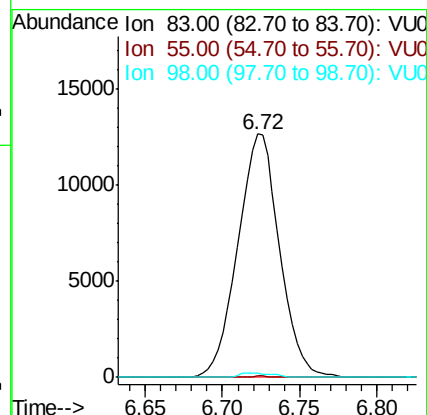
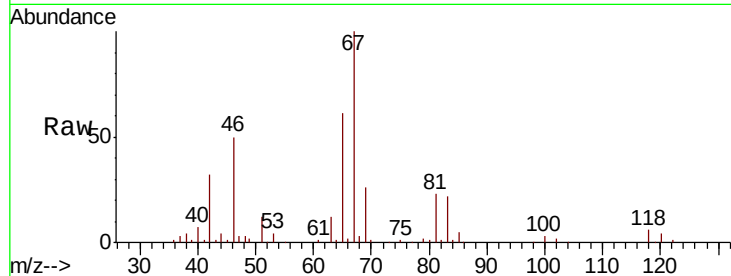




#35
Methylvlcyclohexane
Concen: 7.149 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037124.D
Acq: 06 Mar 2020 21:12

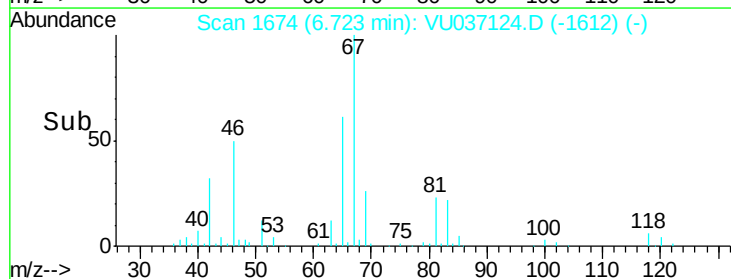
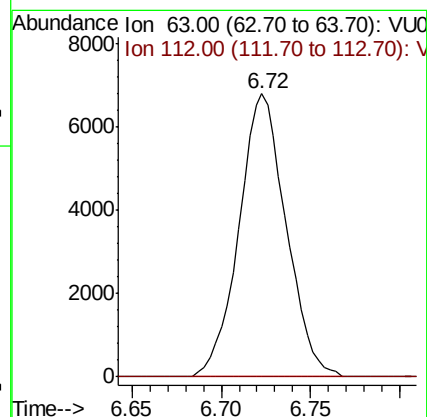
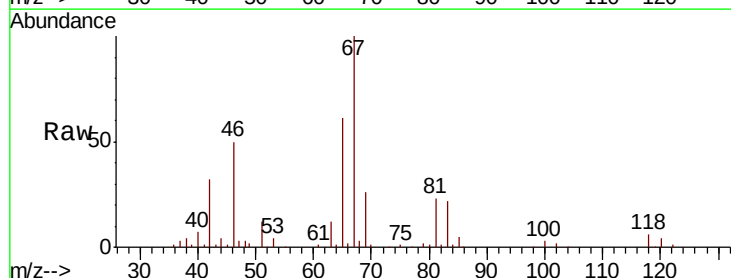
Instrument :
MSVOA_U
ClientSampleId :

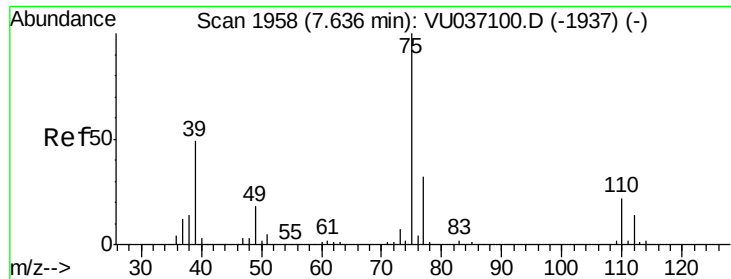
Tot Ion: 83 Resp: 23690
Ion Ratio Lower Upper
83 100
55 0.2 62.6 93.8#
98 1.4 35.1 52.7#



#37
1,2-Dichloropropane
Concen: 6.000 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU037124.D
Acq: 06 Mar 2020 21:12

Tgt Ion: 63 Resp: 12564
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#

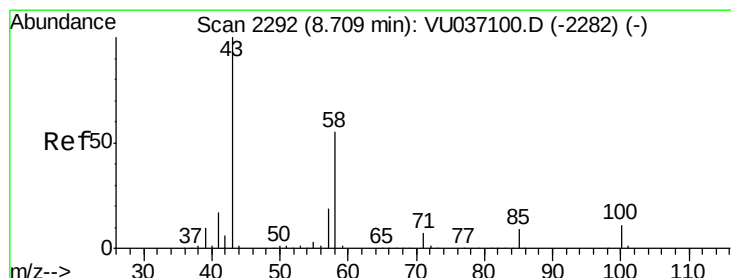
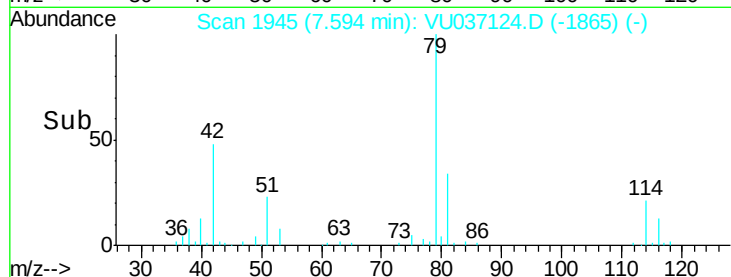
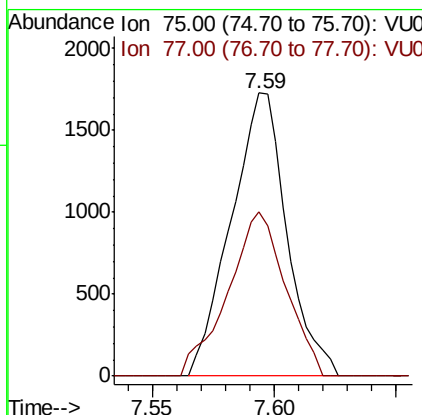
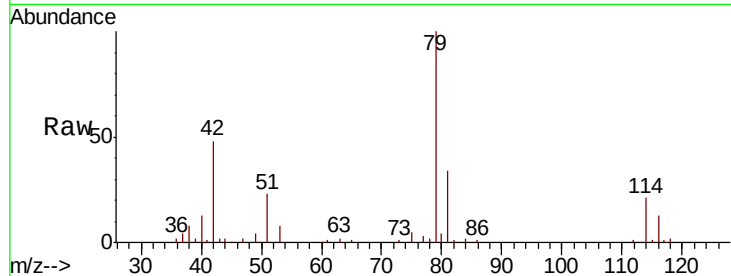




#39
 cis-1,3-Dichloropropene
 Concen: 0.849 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037124.D
 Acq: 06 Mar 2020 21:12

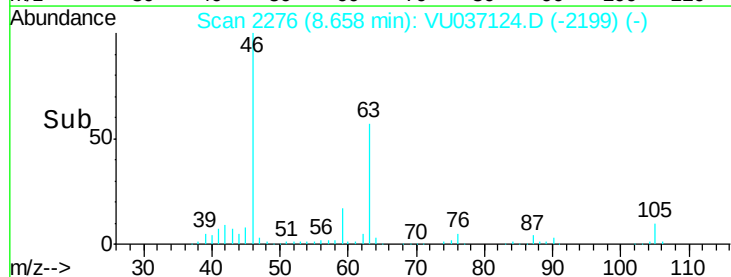
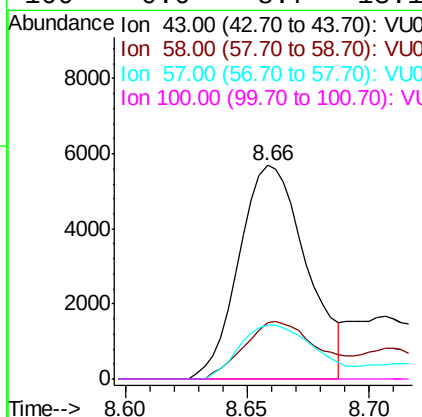
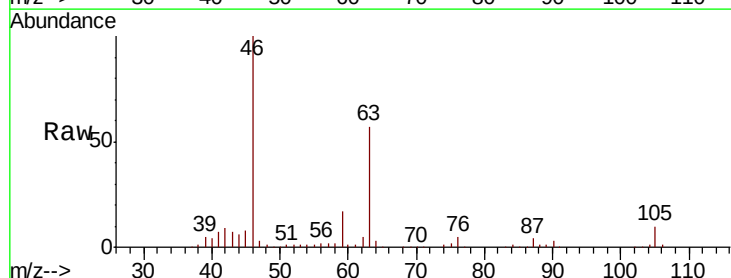
Instrument :
 MSVOA_U
 ClientSampleId :

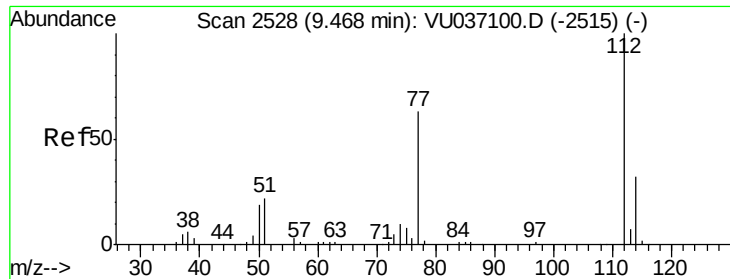
Tot Ion: 75 Resp: 2739
 Ion Ratio Lower Upper
 75 100
 77 58.0 22.0 41.0#



#48
 2-Hexanone
 Concen: 4.432 ug/L
 RT: 8.66 min Scan# 2276
 Delta R.T. -0.05 min
 Lab File: VU037124.D
 Acq: 06 Mar 2020 21:12

Tgt Ion: 43 Resp: 10912
 Ion Ratio Lower Upper
 43 100
 58 29.2 43.5 65.3#
 57 28.5 15.1 22.7#
 100 0.0 8.7 13.1#





#51

Chlorobenzene

Concen: 2.275 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU037124.D

Acq: 06 Mar 2020 21:12

Instrument :

MSVOA_U

ClientSampleId :

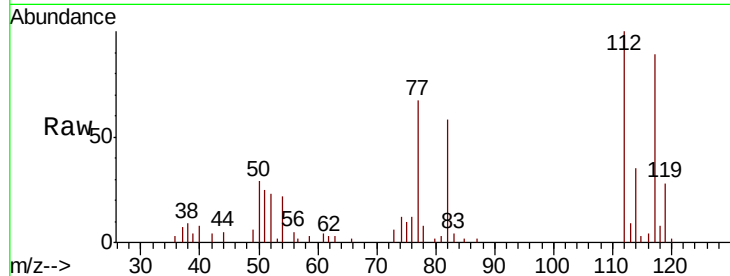
Tot Ion:112 Resp: 11170

Ion Ratio Lower Upper

112 100

114 34.5 22.3 41.5

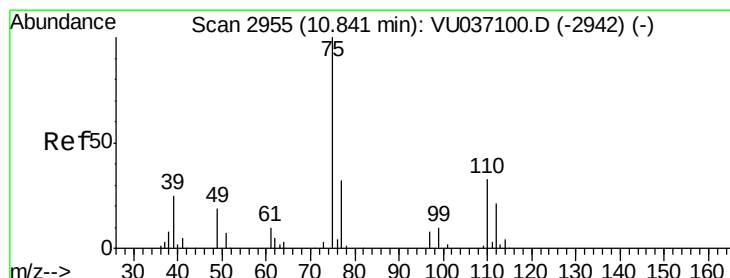
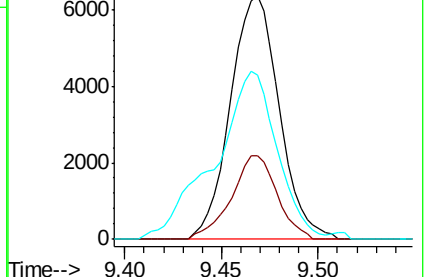
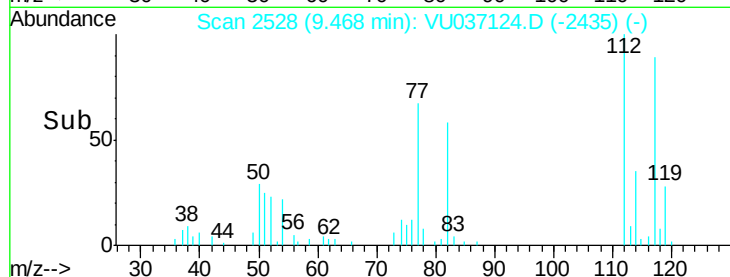
77 67.4 50.1 75.1



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): V



#59

1,2,3-Trichloropropane

Concen: 5.427 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU037124.D

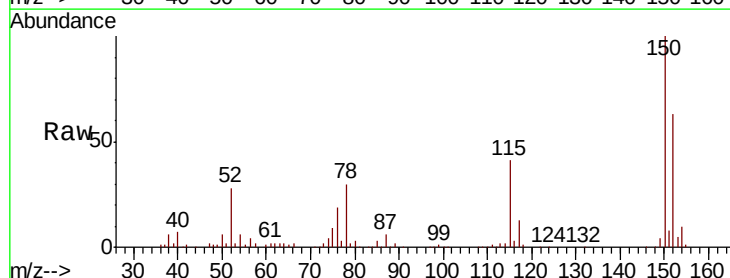
Acq: 06 Mar 2020 21:12

Tgt Ion: 75 Resp: 14617

Ion Ratio Lower Upper

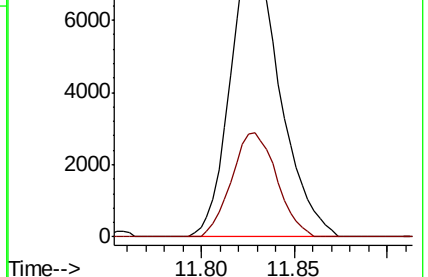
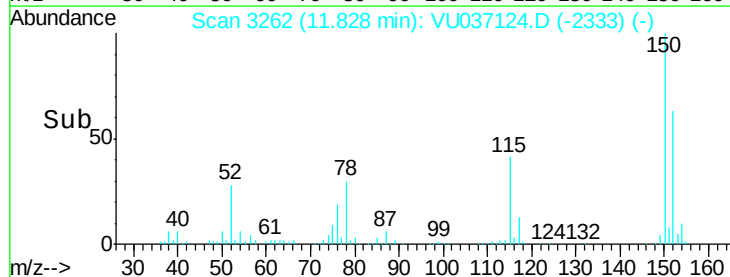
75 100

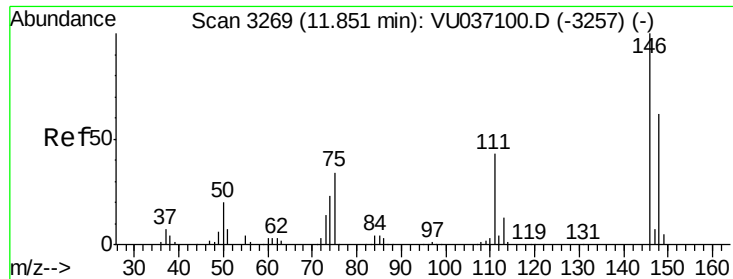
77 33.3 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V





#63

1,4-Dichlorobenzene

Concen: 1.172 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037124.D

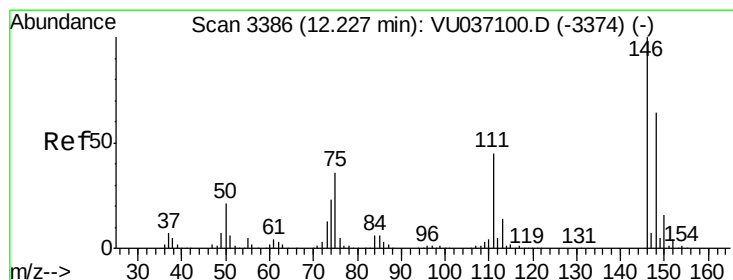
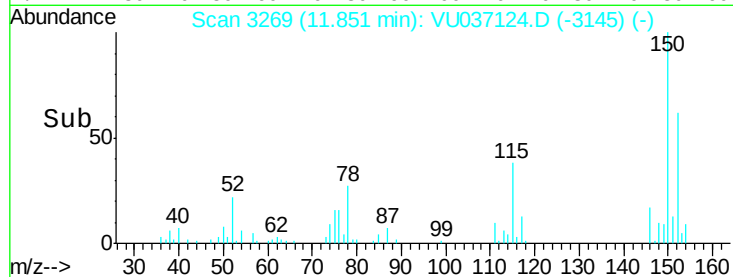
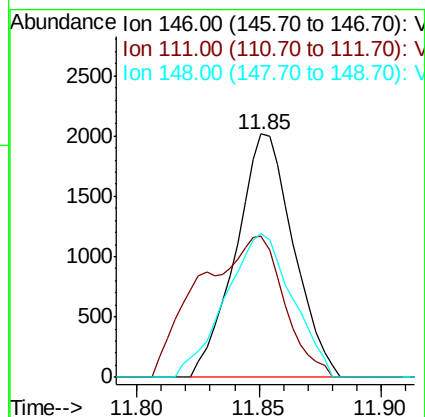
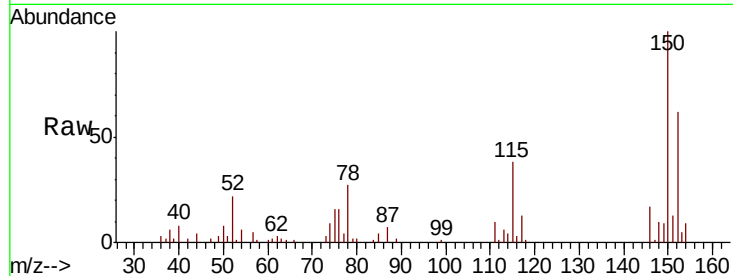
Acq: 06 Mar 2020 21:12

Instrument :

MSVOA_U

ClientSampled :

Tot Ion:146	Resp:	3299
Ion Ratio	Lower	Upper
146	100	
111	58.1	29.8 55.4#
148	59.0	45.1 83.9



#65

1,2-Dichlorobenzene

Concen: 0.904 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU037124.D

Acq: 06 Mar 2020 21:12

Tgt Ion:146	Resp:	2571
Ion Ratio	Lower	Upper
146	100	
111	48.6	35.4 53.0
148	58.6	50.5 75.7

