

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030620\
 Data File : VU037122.D
 Acq On : 06 Mar 2020 20:26
 Operator : JC/MD
 Sample : L1834-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 07 00:04:43 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	259804	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	256265	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	100114	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	85682	39.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.54%
7) Chloroethane-d5	1.93	69	81069	44.91	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.82%
11) 1,1-Dichloroethene-d2	2.59	63	114095	31.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.46%
21) 2-Butanone-d5	4.67	46	133828	91.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.45%
24) Chloroform-d	5.10	84	149474	44.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.72%
26) 1,2-Dichloroethane-d4	5.74	65	102785	45.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.18%
32) Benzene-d6	5.76	84	324339	43.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.54%
36) 1,2-Dichloropropane-d6	6.72	67	104167	43.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.78%
41) Toluene-d8	7.92	98	281800	40.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.98%
43) trans-1,3-Dichloropropene-	8.21	79	41624	37.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.62%
47) 2-Hexanone-d5	8.66	63	92803	79.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.05%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	141959	41.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.88%
64) 1,2-Dichlorobenzene-d4	12.21	152	87633	44.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.56%

Target Compounds

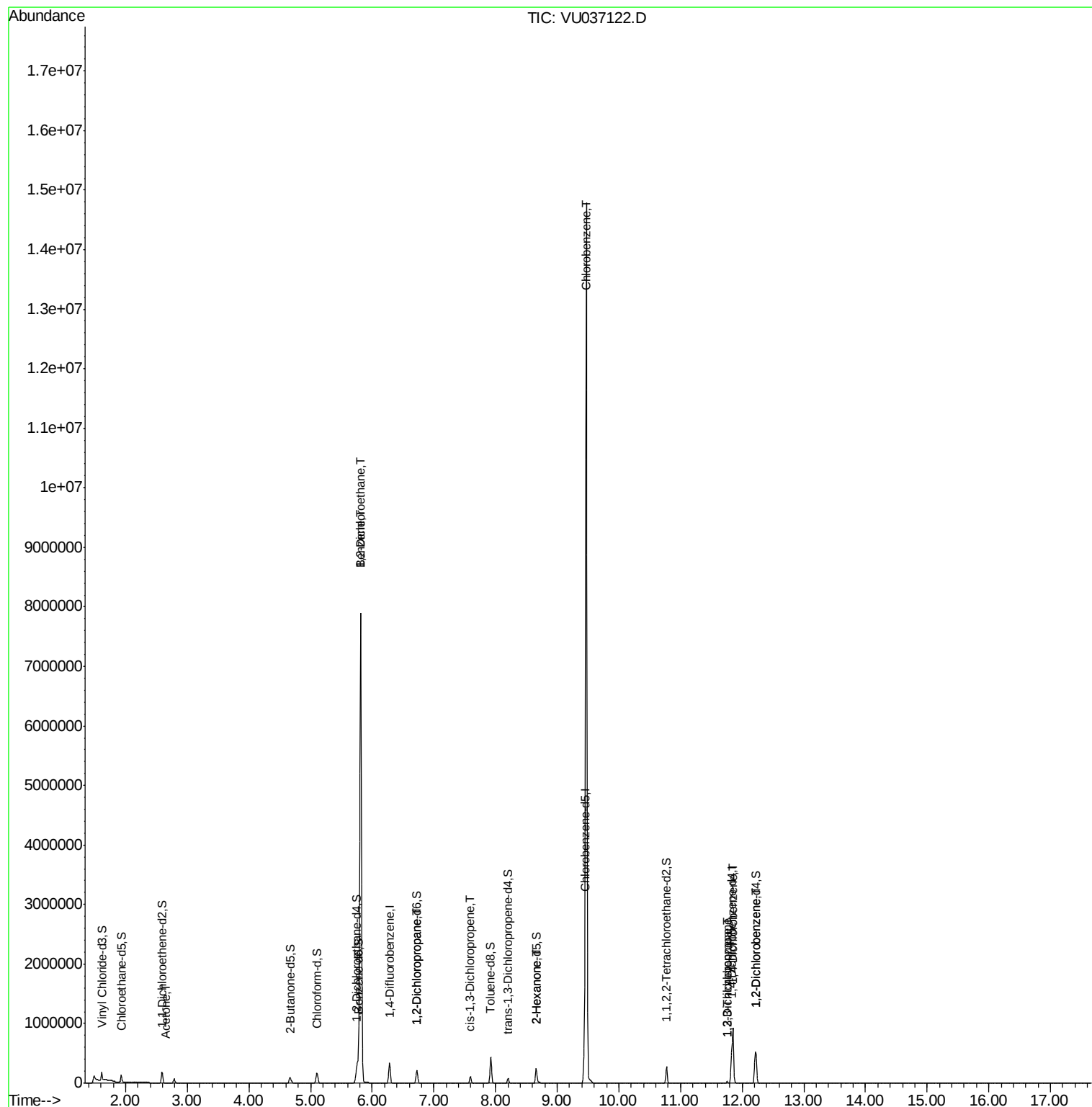
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.65	43	3195	2.122	ug/L	99
27) 1,2-Dichloroethane	5.81	62	62705	22.789	ug/L #	75
33) Benzene	5.81	78	7096174	876.525	ug/L	100
37) 1,2-Dichloropropane	6.72	63	11698	5.366	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2813	0.838	ug/L #	63
48) 2-Hexanone	8.66	43	10988	4.287	ug/L #	68
51) Chlorobenzene	9.47	112	7085292	1386.396	ug/L	95
59) 1,2,3-Trichloropropane	11.76	75	4193	1.495	ug/L #	42
62) 1,3-Dichlorobenzene	11.76	146	11106	3.420	ug/L	95
63) 1,4-Dichlorobenzene	11.85	146	334559	104.267	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	151263	46.647	ug/L	99

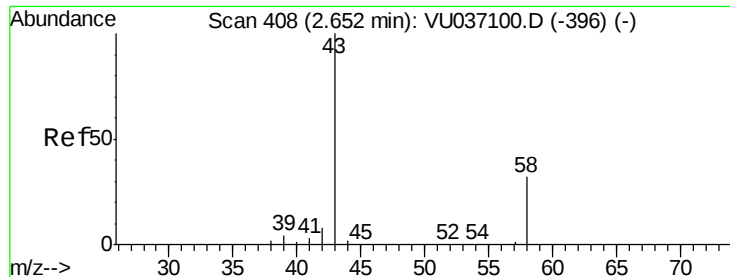
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 2.122 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU037122.D

Acq: 06 Mar 2020 20:26

Instrument :

MSVOA_U

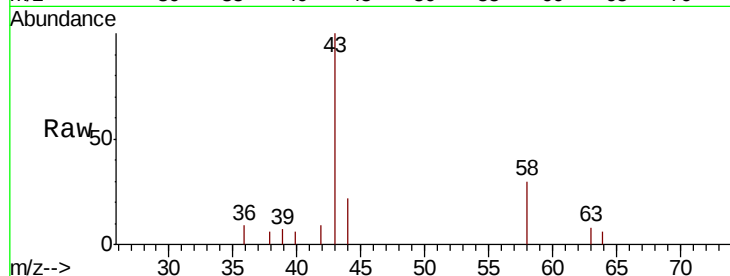
ClientSampleId :

Tot Ion: 43 Resp: 3195

Ion Ratio Lower Upper

43 100

58 33.0 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU037100.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VU037100.D (-396) (-)

2000

1500

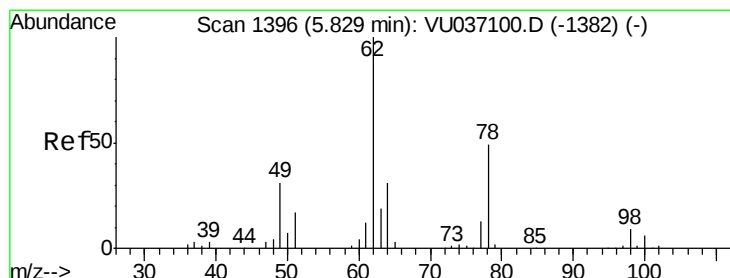
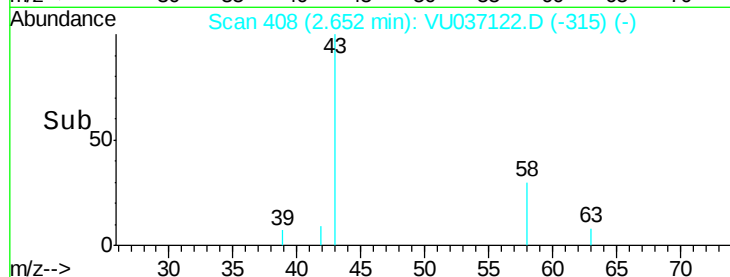
1000

500

0

2.60 2.65 2.70

Time-->



#27

1,2-Dichloroethane

Concen: 22.789 ug/L

RT: 5.81 min Scan# 1391

Delta R.T. -0.02 min

Lab File: VU037122.D

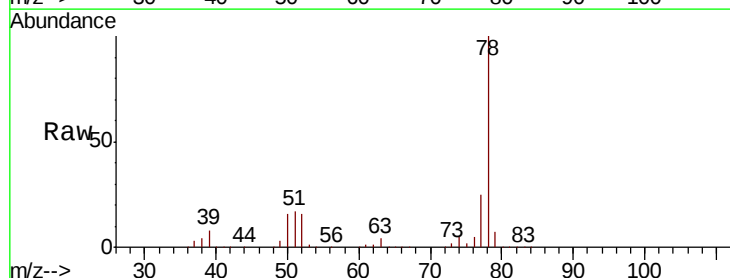
Acq: 06 Mar 2020 20:26

Tgt Ion: 62 Resp: 62705

Ion Ratio Lower Upper

62 100

98 0.0 7.1 10.7#



Abundance Ion 62.00 (61.70 to 62.70): VU037100.D (-1382) (-)

Ion 98.00 (97.70 to 98.70): VU037100.D (-1382) (-)

30000

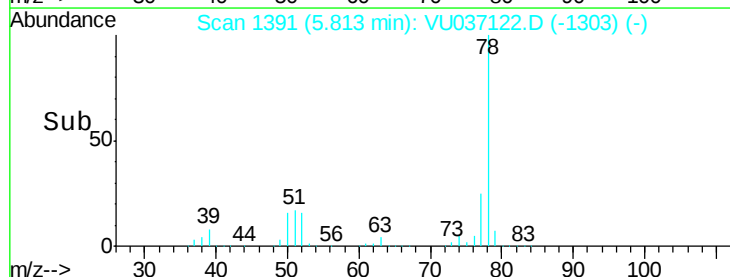
20000

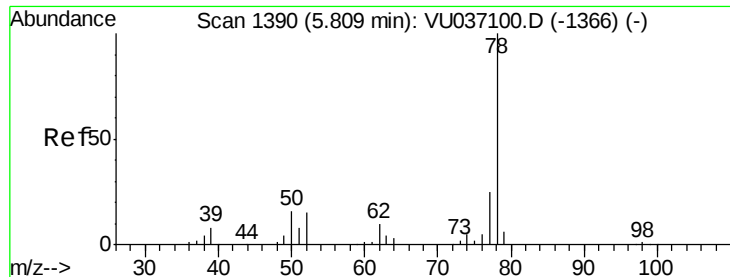
10000

0

5.75 5.80 5.85

Time-->

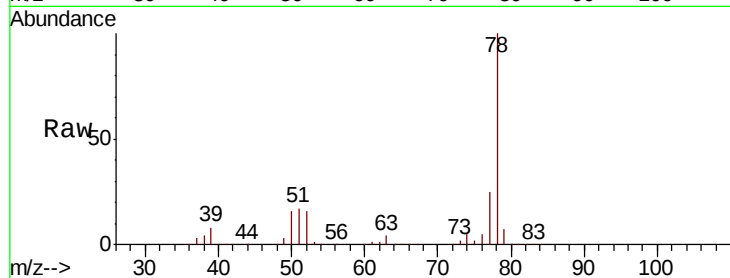




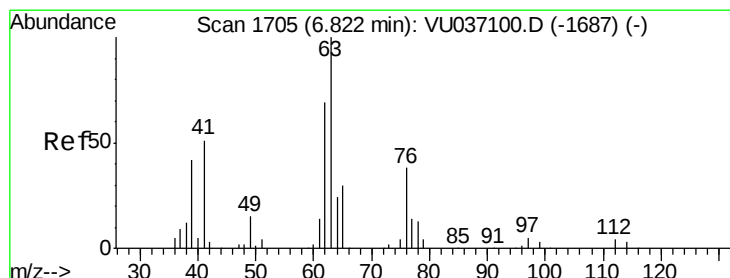
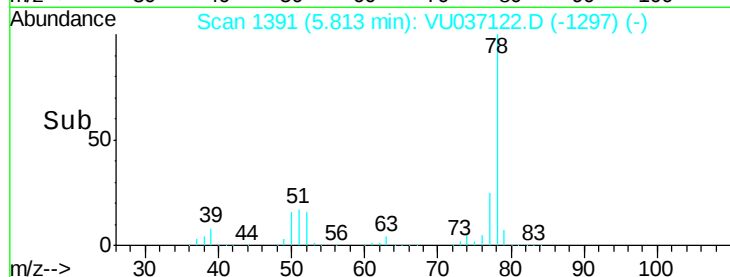
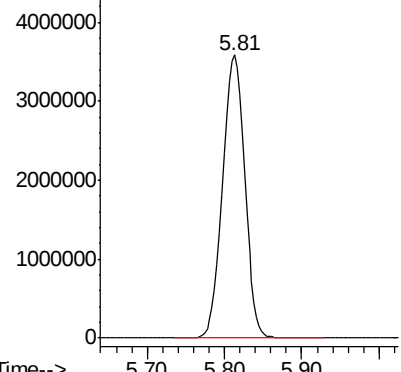
#33
Benzene
Concen: 876.525 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU037122.D
Acq: 06 Mar 2020 20:26

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 7096174

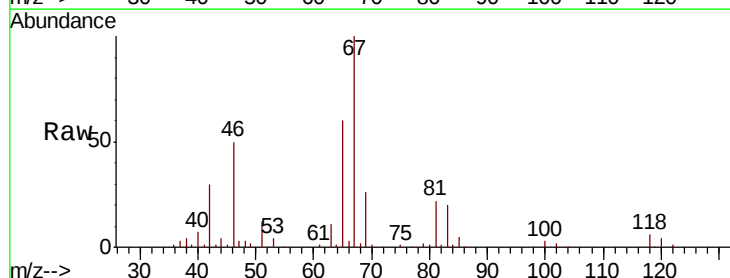


Abundance Ion 78.00 (77.70 to 78.70): VU0



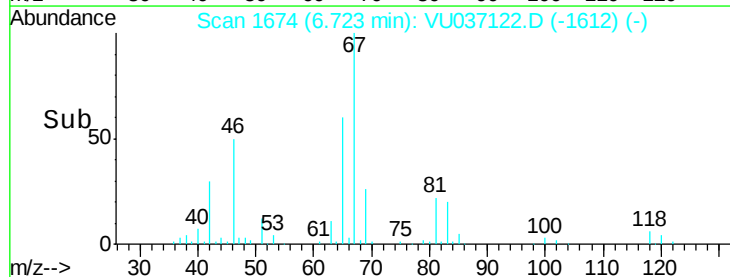
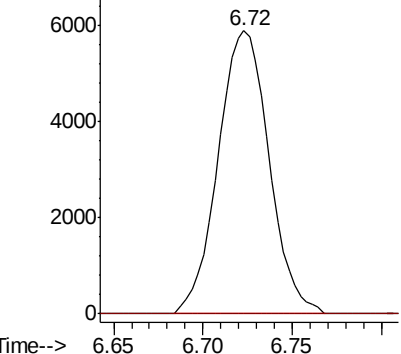
#37
1,2-Dichloropropane
Concen: 5.366 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU037122.D
Acq: 06 Mar 2020 20:26

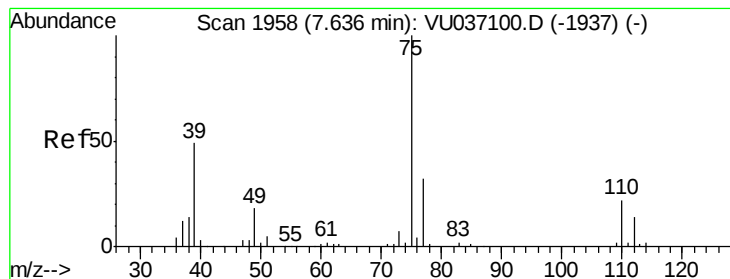
Tgt Ion: 63 Resp: 11698
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



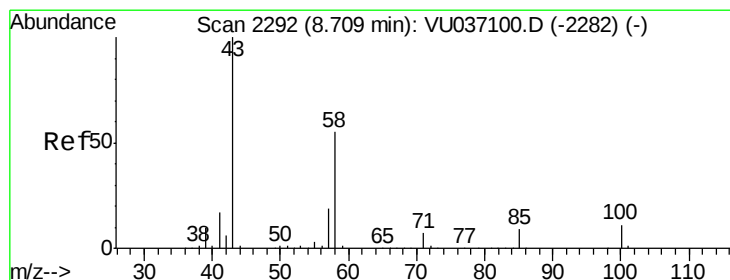
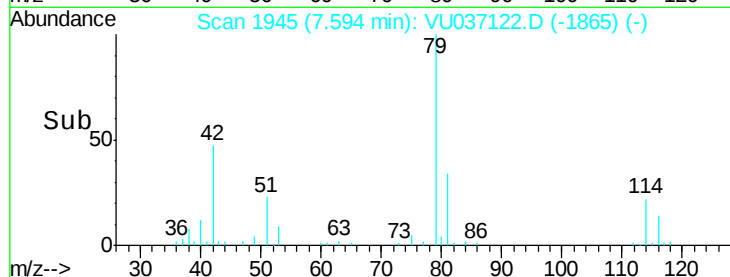
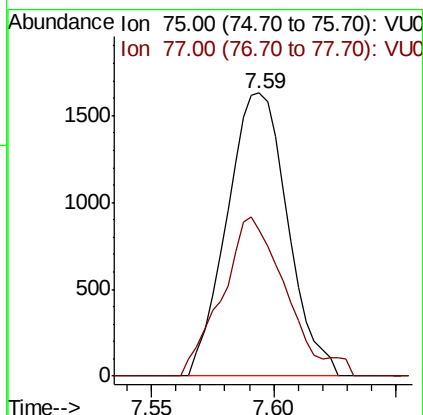
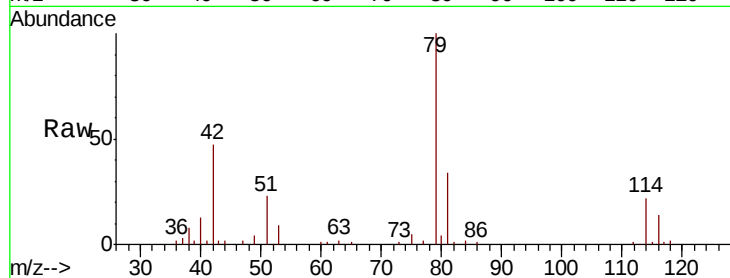


#39

cis-1,3-Dichloropropene
Concen: 0.838 ug/L
RT: 7.59 min Scan# 1945
Delta R.T. -0.04 min
Lab File: VU037122.D
Acq: 06 Mar 2020 20:26

Instrument :
MSVOA_U
ClientSampleId :

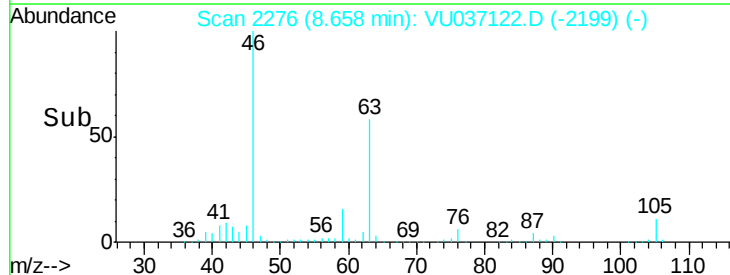
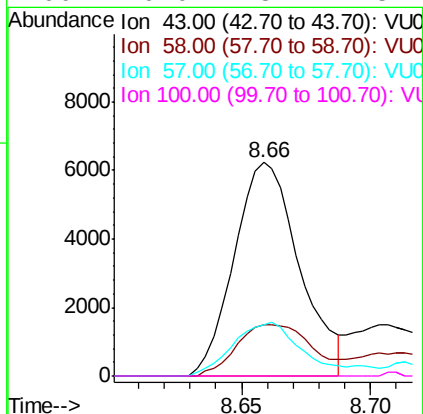
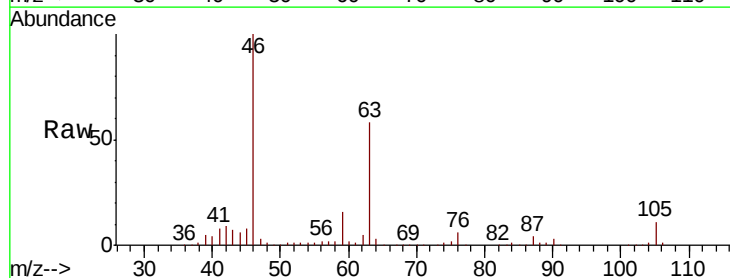
Tot Ion: 75 Resp: 2813
Ion Ratio Lower Upper
75 100
77 51.8 22.0 41.0#

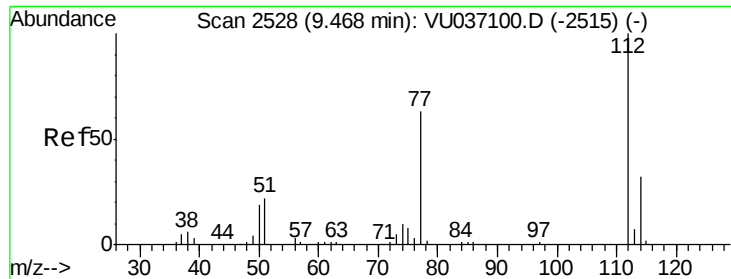


#48

2-Hexanone
Concen: 4.287 ug/L
RT: 8.66 min Scan# 2276
Delta R.T. -0.05 min
Lab File: VU037122.D
Acq: 06 Mar 2020 20:26

Tgt Ion: 43 Resp: 10988
Ion Ratio Lower Upper
43 100
58 27.5 43.5 65.3#
57 26.2 15.1 22.7#
100 0.0 8.7 13.1#





#51

Chlorobenzene

Concen: 1386.396 ug/L

RT: 9.47 min Scan# 2529

Delta R.T. 0.00 min

Lab File: VU037122.D

Acq: 06 Mar 2020 20:26

Instrument :

MSVOA_U

ClientSampled :

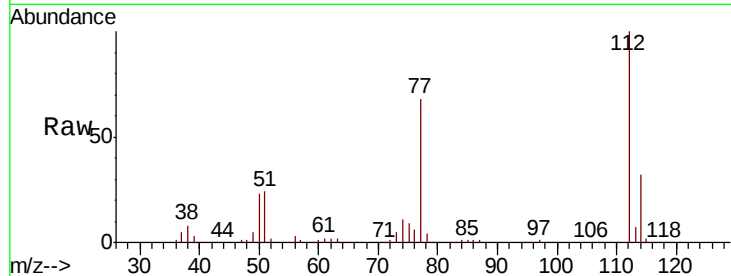
Tot Ion:112 Resp: 7085292

Ion Ratio Lower Upper

112 100

114 32.4 22.3 41.5

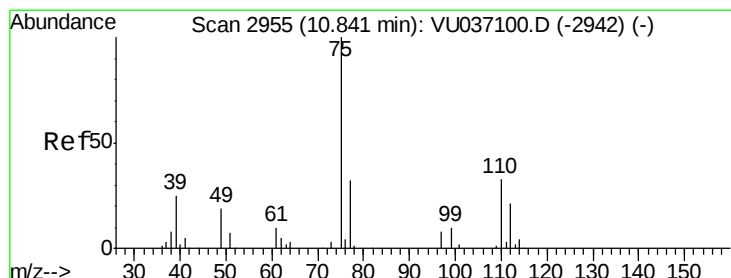
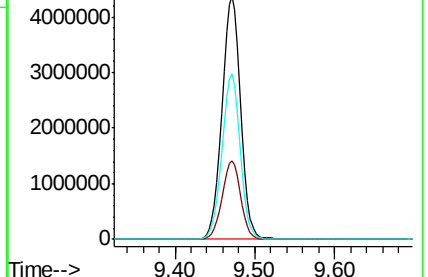
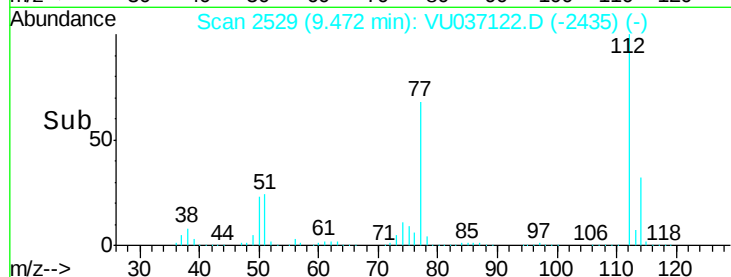
77 67.8 50.1 75.1



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: 1.495 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.92 min

Lab File: VU037122.D

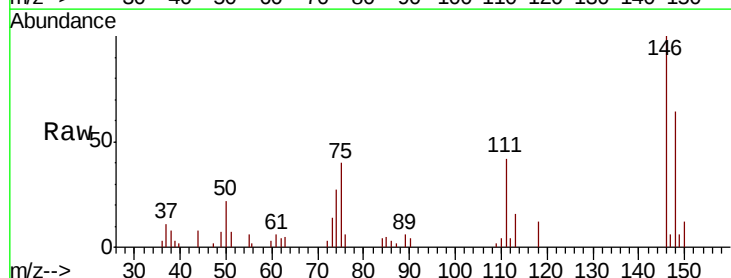
Acq: 06 Mar 2020 20:26

Tgt Ion: 75 Resp: 4193

Ion Ratio Lower Upper

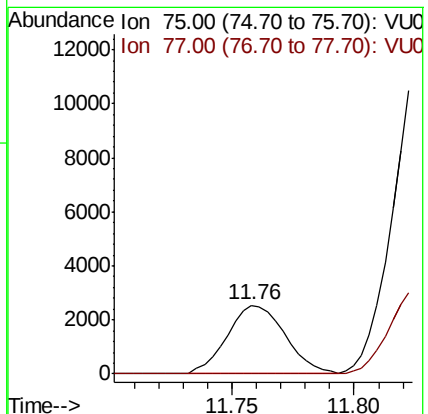
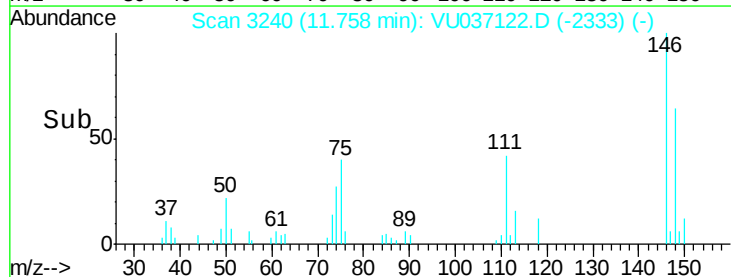
75 100

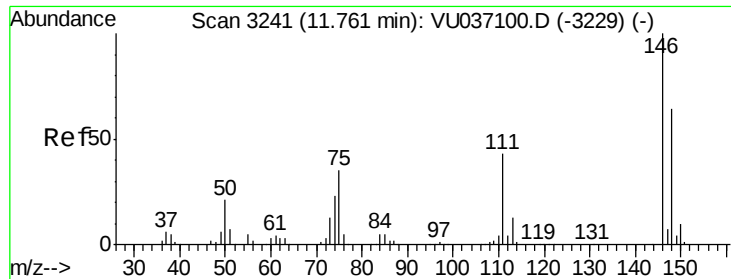
77 0.0 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

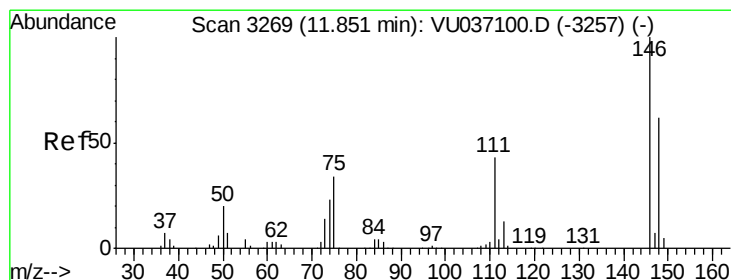
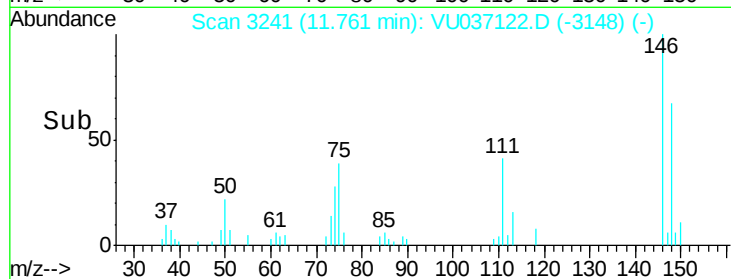
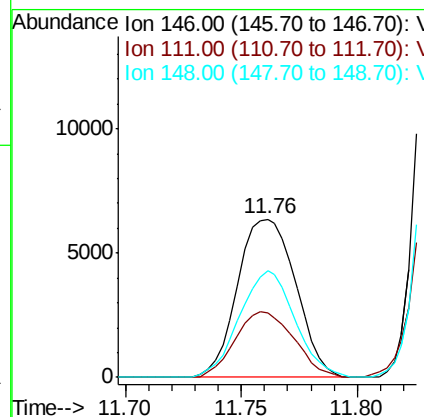
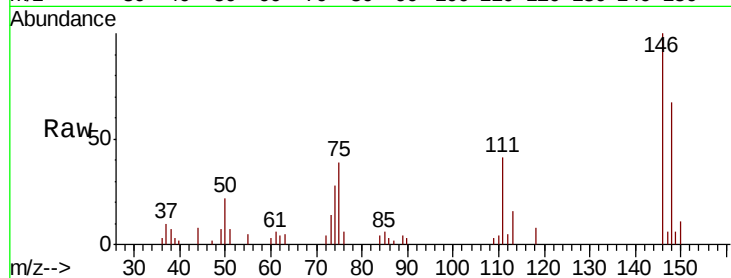




#62
 1,3-Dichlorobenzene
 Concen: 3.420 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037122.D
 Acq: 06 Mar 2020 20:26

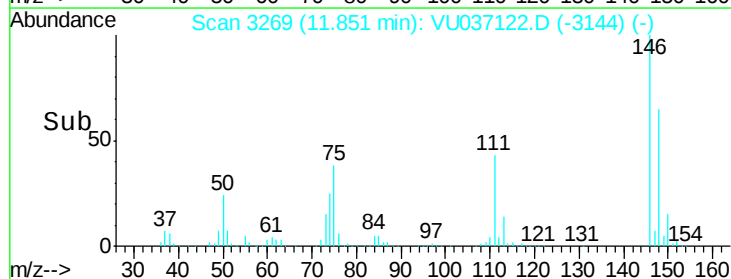
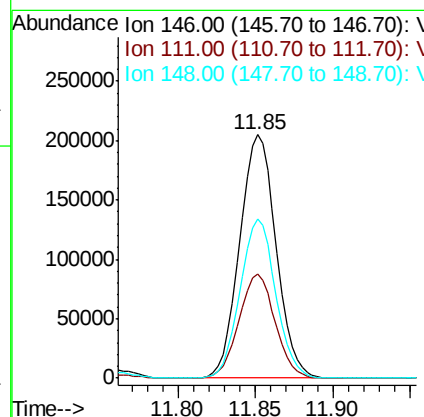
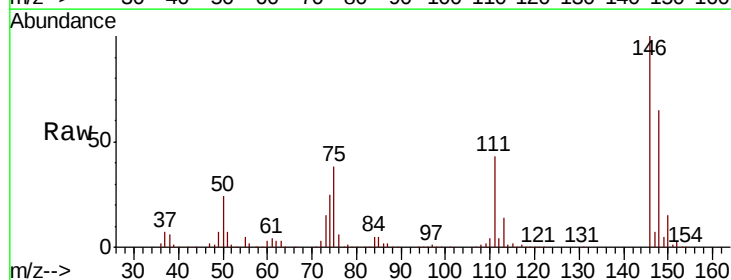
Instrument :
 MSVOA_U
 ClientSampleId :

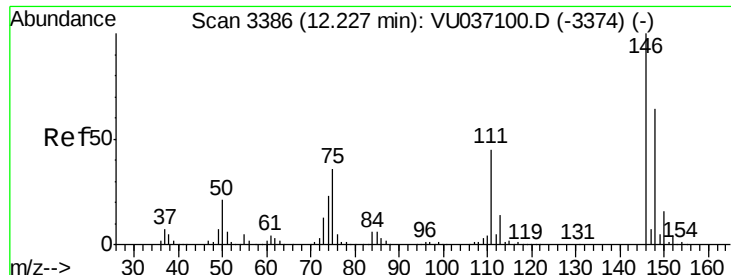
Tot Ion:146 Resp: 11106
 Ion Ratio Lower Upper
 146 100
 111 40.7 30.7 56.9
 148 67.3 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 104.267 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037122.D
 Acq: 06 Mar 2020 20:26

Tgt Ion:146 Resp: 334559
 Ion Ratio Lower Upper
 146 100
 111 42.7 29.8 55.4
 148 65.1 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 46.647 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037122.D

Acq: 06 Mar 2020 20:26

Instrument :

MSVOA_U

ClientSampleId :

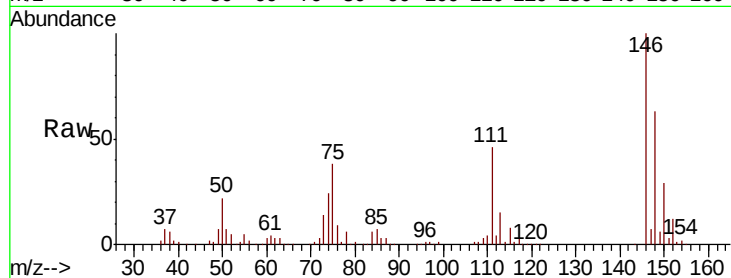
Tot Ion:146 Resp: 151263

Ion Ratio Lower Upper

146 100

111 45.9 35.4 53.0

148 63.3 50.5 75.7



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

