

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030320\
 Data File : VU037028.D
 Acq On : 03 Mar 2020 16:55
 Operator : JC/MD
 Sample : L1746-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 04 06:56:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 04 06:53:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	258673	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	249020	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	89120	50.00	ug/L	0.00

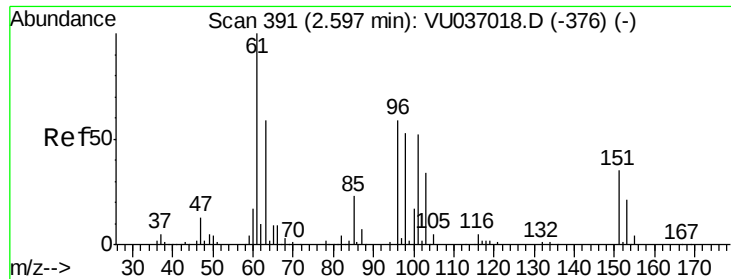
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	96984	44.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.30%
7) Chloroethane-d5	1.93	69	92070	51.22	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.44%
11) 1,1-Dichloroethene-d2	2.59	63	126760	34.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.70%
21) 2-Butanone-d5	4.67	46	148574	101.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.96%
24) Chloroform-d	5.11	84	163739	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.72%
26) 1,2-Dichloroethane-d4	5.74	65	112263	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.02%
32) Benzene-d6	5.76	84	353986	49.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.32%
36) 1,2-Dichloropropane-d6	6.72	67	117359	50.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.60%
41) Toluene-d8	7.93	98	314944	47.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.28%
43) trans-1,3-Dichloropropene-	8.20	79	47341	43.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.32%
47) 2-Hexanone-d5	8.66	63	98316	86.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.19%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	160618	48.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.66%
64) 1,2-Dichlorobenzene-d4	12.21	152	93249	53.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.06%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	5071	3.070	ug/L	89
12) 1,1-Dichloroethene	2.60	96	4358	2.608	ug/L #	1
13) Acetone	2.66	43	3605	2.405	ug/L	94
20) cis-1,2-Dichloroethene	4.71	96	10910	5.436	ug/L	87
30) 1,1,1-Trichloroethane	5.36	97	204153	76.465	ug/L	99
31) Carbon tetrachloride	5.36	117	26808	12.810	ug/L	98
34) Trichloroethene	6.57	95	256786	132.805	ug/L	99
35) Methylcyclohexane	6.73	83	25423	7.583	ug/L #	19
37) 1,2-Dichloropropane	6.72	63	13037	6.155	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3322	1.018	ug/L #	70
59) 1,2,3-Trichloropropane	11.83	75	13383	4.911	ug/L	94

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



#10

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

Concen: 3.070 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.01 min

Lab File: VU037028.D

Acq: 03 Mar 2020 16:55

Instrument :

MSVOA_U

ClientSampled :

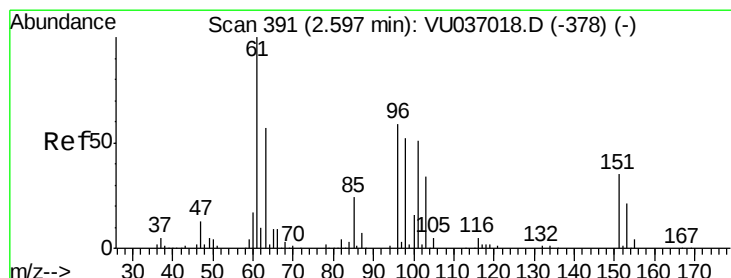
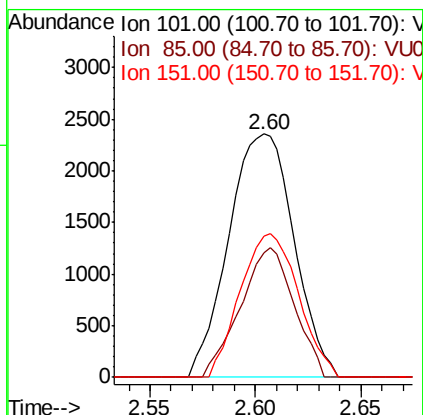
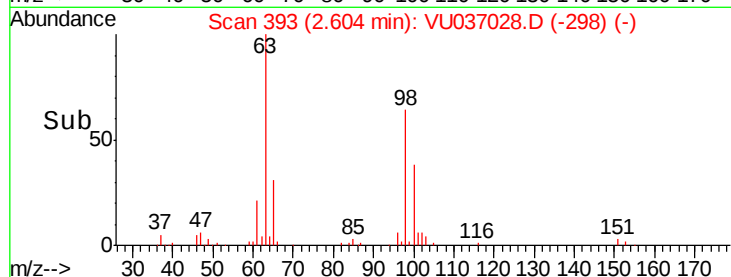
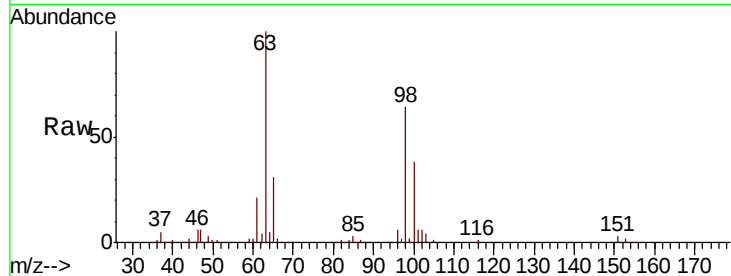
Tot Ion:101 Resp: 5071

Ion Ratio Lower Upper

101 100

85 43.8 36.4 54.6

151 52.6 52.4 78.6



#12

1,1-Dichloroethene

Concen: 2.608 ug/L

RT: 2.60 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU037028.D

Acq: 03 Mar 2020 16:55

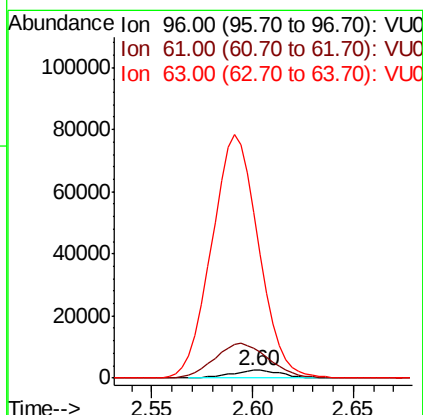
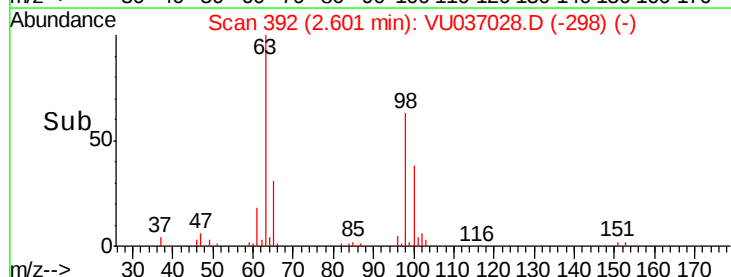
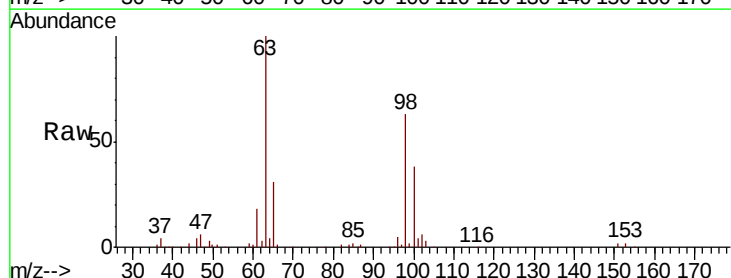
Tgt Ion: 96 Resp: 4358

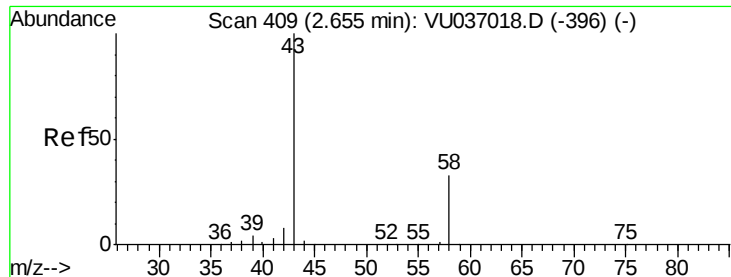
Ion Ratio Lower Upper

96 100

61 394.2 127.5 236.7#

63 2187.7 101.4 188.2#





#13

Acetone

Concen: 2.405 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU037028.D

Acq: 03 Mar 2020 16:55

Instrument :

MSVOA_U

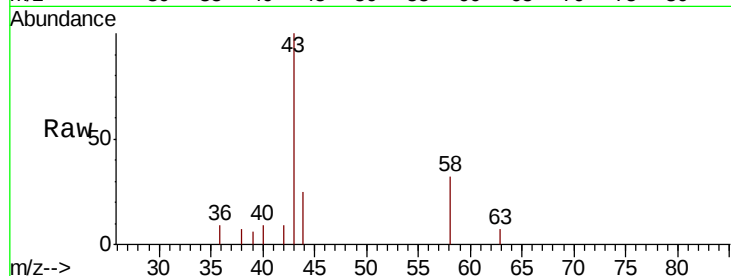
ClientSampleId :

Tot Ion: 43 Resp: 3605

Ion Ratio Lower Upper

43 100

58 29.2 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU037018.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VU037018.D (-396) (-)

2.66

2000

1500

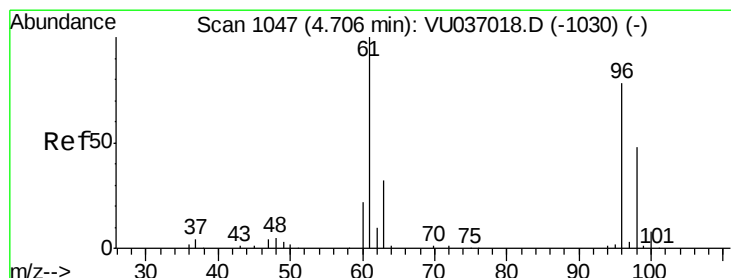
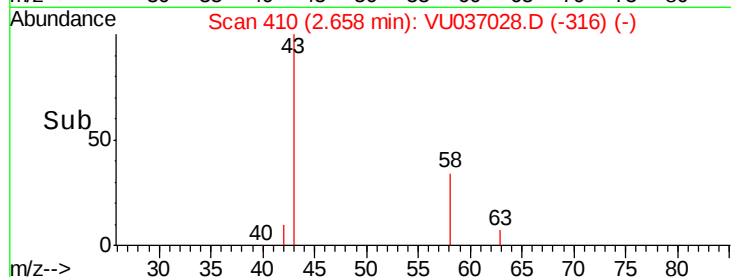
1000

500

0

Time-->

2.60 2.65 2.70



#20

cis-1,2-Dichloroethene

Concen: 5.436 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037028.D

Acq: 03 Mar 2020 16:55

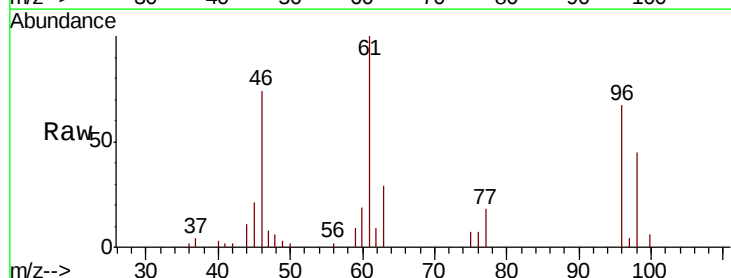
Tgt Ion: 96 Resp: 10910

Ion Ratio Lower Upper

96 100

61 148.5 93.1 172.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037018.D (-1030) (-)

Ion 61.00 (60.70 to 61.70): VU037018.D (-1030) (-)

Ion 68.00 (67.70 to 68.70): VU037018.D (-1030) (-)

8000

6000

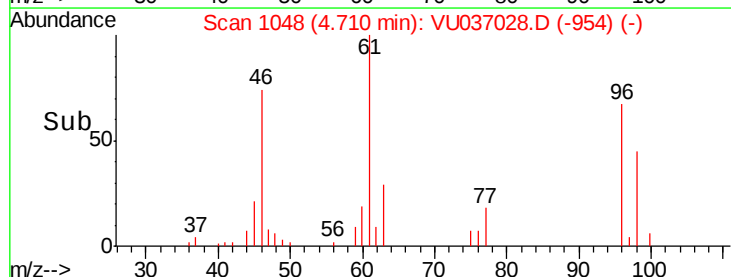
4000

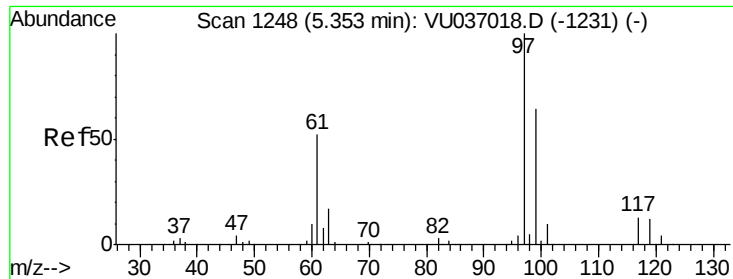
2000

0

Time-->

4.65 4.70 4.75

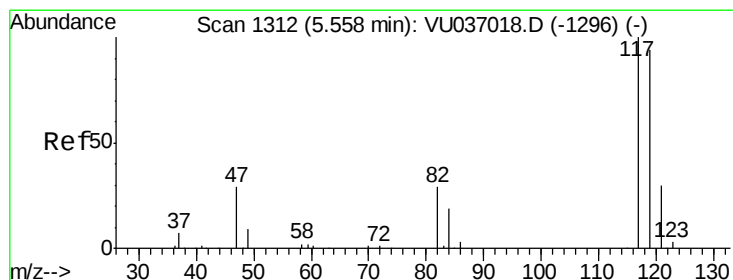
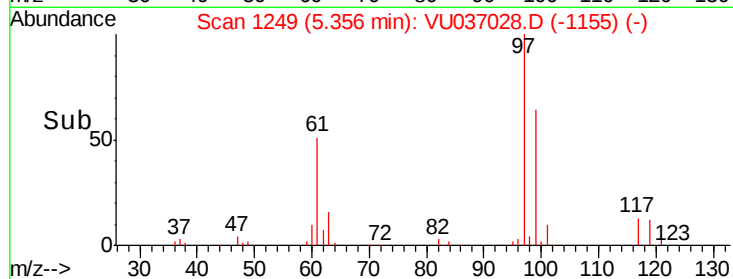
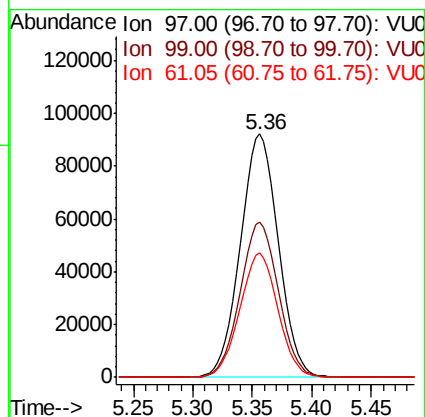
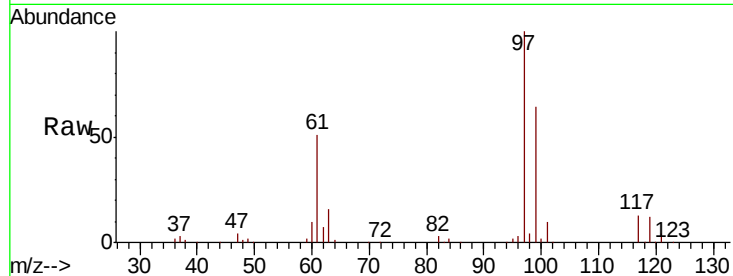




#30
 1,1,1-Trichloroethane
 Concen: 76.465 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037028.D
 Acq: 03 Mar 2020 16:55

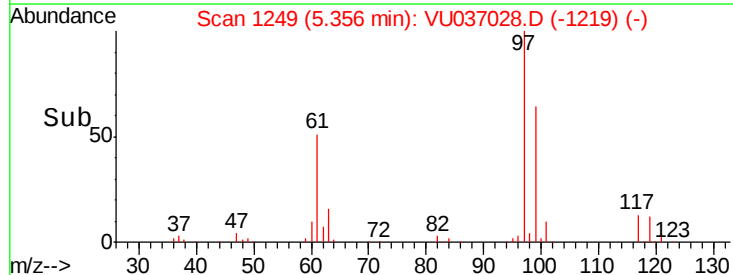
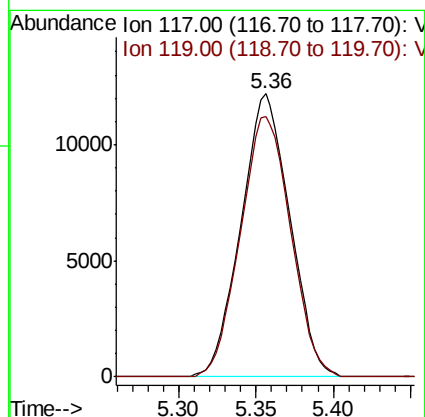
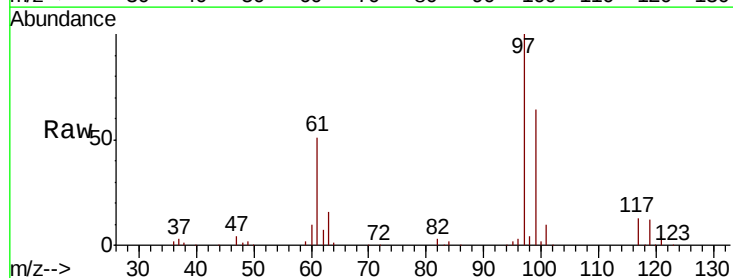
Instrument :
 MSVOA_U
 ClientSampleId :

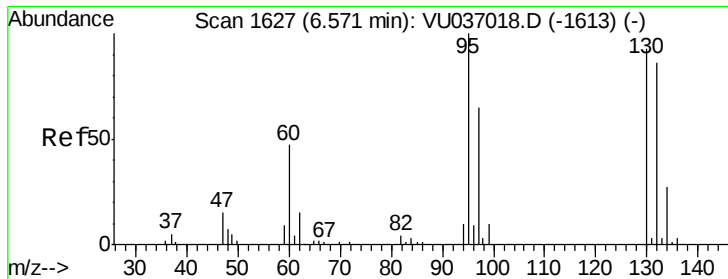
Tot Ion: 97 Resp: 204153
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.4 75.6
 61 51.1 40.3 60.5



#31
 Carbon tetrachloride
 Concen: 12.810 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. -0.20 min
 Lab File: VU037028.D
 Acq: 03 Mar 2020 16:55

Tgt Ion: 117 Resp: 26808
 Ion Ratio Lower Upper
 117 100
 119 94.5 77.2 115.8





#34

Trichloroethene

Concen: 132.805 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037028.D

Acq: 03 Mar 2020 16:55

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 256786

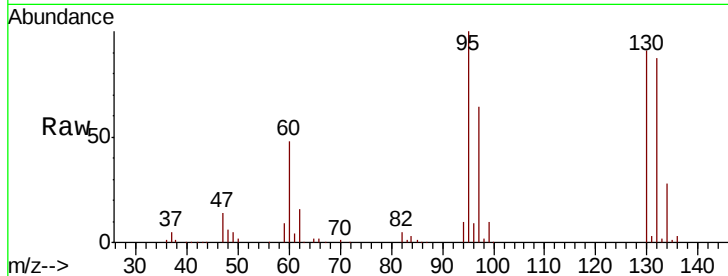
Ion Ratio Lower Upper

95 100

97 64.1 44.1 81.9

132 87.2 60.6 112.6

130 90.8 64.9 120.5

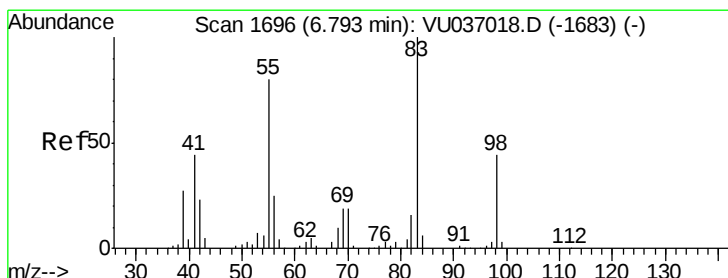
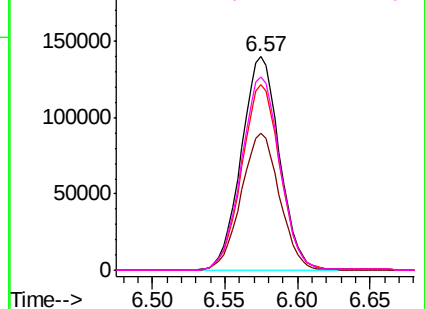
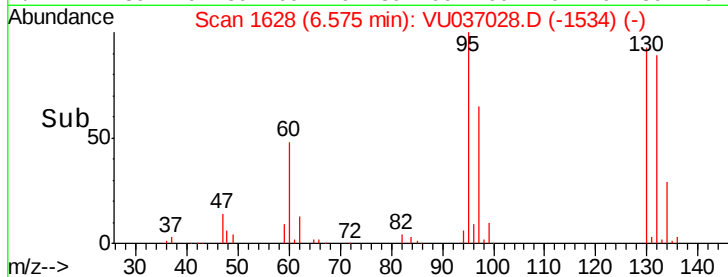


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 7.583 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.07 min

Lab File: VU037028.D

Acq: 03 Mar 2020 16:55

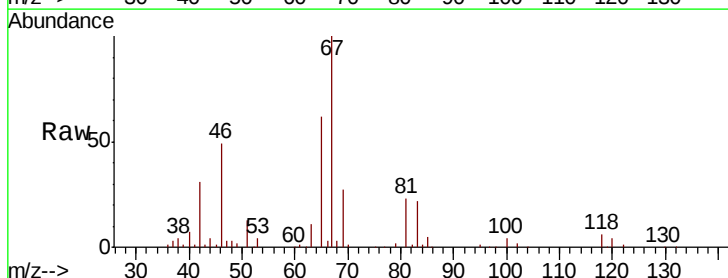
Tgt Ion: 83 Resp: 25423

Ion Ratio Lower Upper

83 100

55 0.0 62.6 93.8#

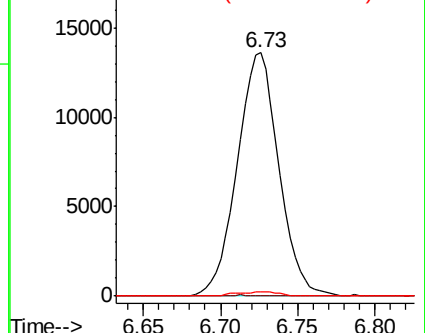
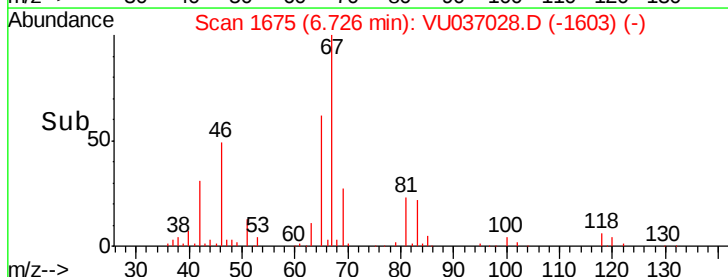
98 1.7 35.1 52.7#

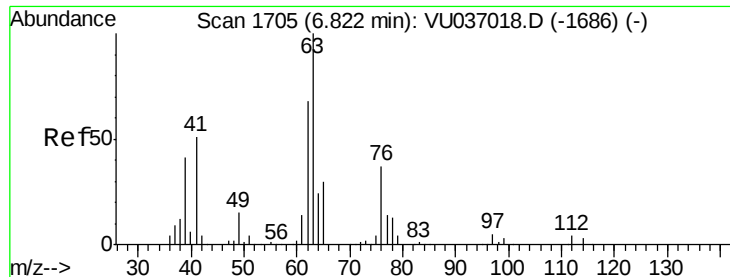


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

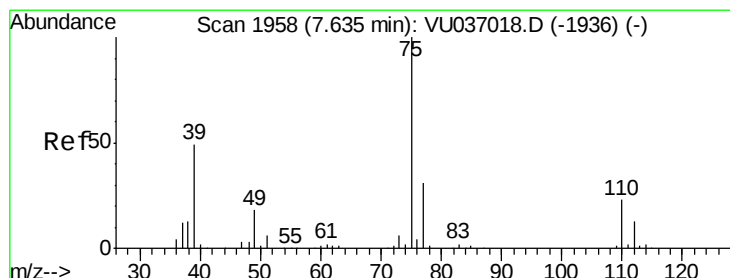
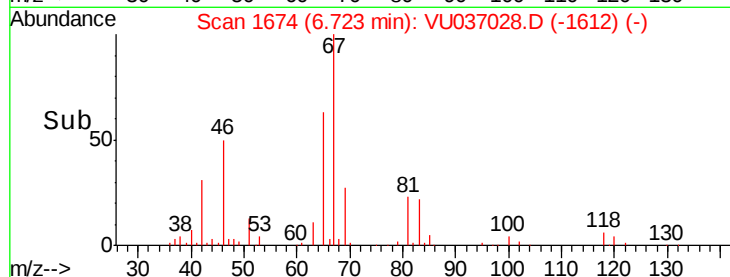
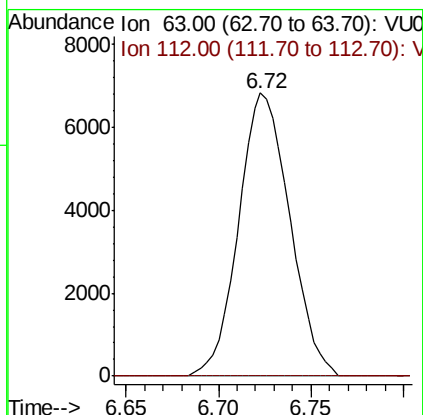
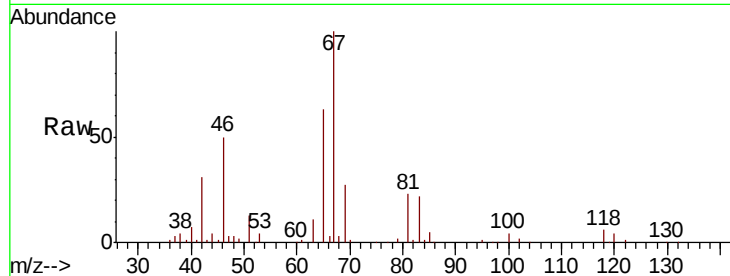




#37
 1,2-Dichloropropane
 Concen: 6.155 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037028.D
 Acq: 03 Mar 2020 16:55

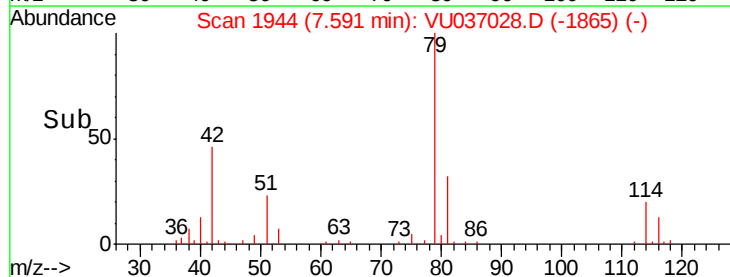
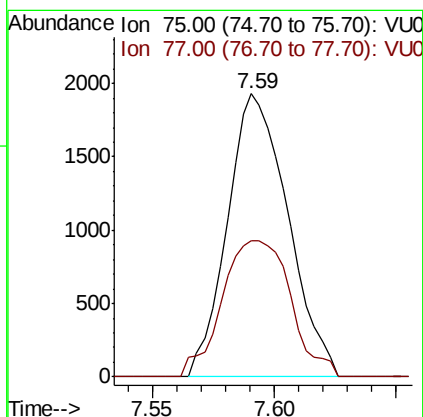
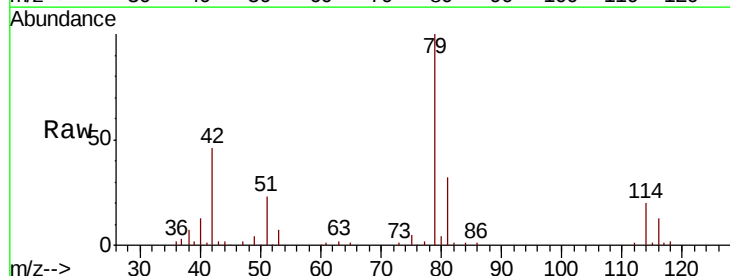
Instrument :
 MSVOA_U
 ClientSampleId :

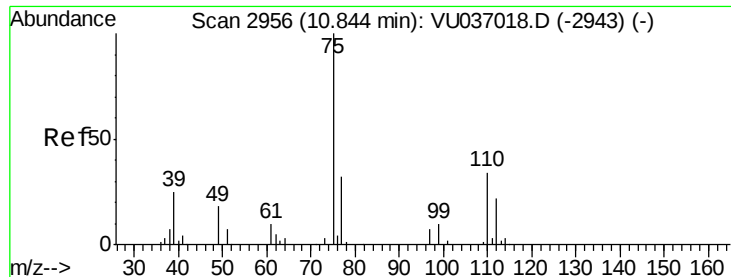
Tot Ion: 63 Resp: 13037
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.018 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037028.D
 Acq: 03 Mar 2020 16:55

Tgt Ion: 75 Resp: 3322
 Ion Ratio Lower Upper
 75 100
 77 48.0 22.0 41.0#





#59

1,2,3-Trichloropropane

Concen: 4.911 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.98 min

Lab File: VU037028.D

Acq: 03 Mar 2020 16:55

Instrument :

MSVOA_U

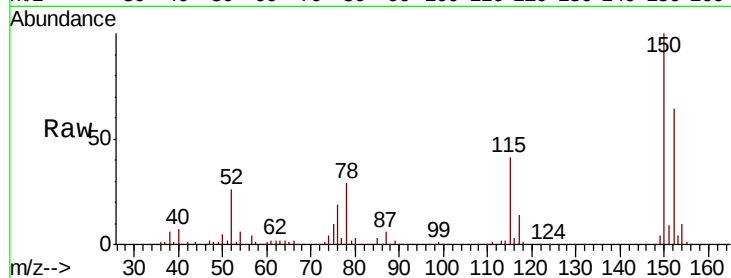
ClientSampleId :

Tot Ion: 75 Resp: 13383

Ion Ratio Lower Upper

75 100

77 36.3 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

