

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101220\
 Data File : VU040657.D
 Acq On : 12 Oct 2020 14:14
 Operator : SY/MD
 Sample : L4345-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQX9

Quant Time: Oct 13 04:41:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 13 04:32:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	121662	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124598	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54068	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45034	4.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.40%
7) Chloroethane-d5	1.93	69	39612	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.58	63	70961	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	4.66	46	176508	54.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.42%
24) Chloroform-d	5.08	84	91959	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.72	65	56593	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.74	84	170269	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.70	67	57257	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.91	98	134881	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	8.19	79	22948	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.64	63	128939	52.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.88%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50848	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	55087	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	861	0.084	ug/L	88
8) Chloroethane	1.95	64	669	0.097	ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	493	0.049	ug/L #	20
12) 1,1-Dichloroethene	2.58	96	520	0.060	ug/L #	1
13) Acetone	2.68	43	42780	17.108	ug/L	95
15) Methyl Acetate	2.99	43	911	0.160	ug/L #	56
25) Chloroform	5.10	83	2081	0.108	ug/L	82
27) 1,2-Dichloroethane	5.74	62	1222	0.090	ug/L #	77
33) Benzene	5.75	78	1178	0.029	ug/L	100
35) Methylcyclohexane	6.70	83	13840	0.941	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6876	0.616	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1712	0.112	ug/L #	72
44) trans-1,3-Dichloropropene	8.19	75	1044	0.074	ug/L	88
48) 2-Hexanone	8.64	43	18741	2.831	ug/L #	79
59) 1,2,3-Trichloropropane	11.81	75	7548	0.921	ug/L	94

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Response via : Initial Calibration

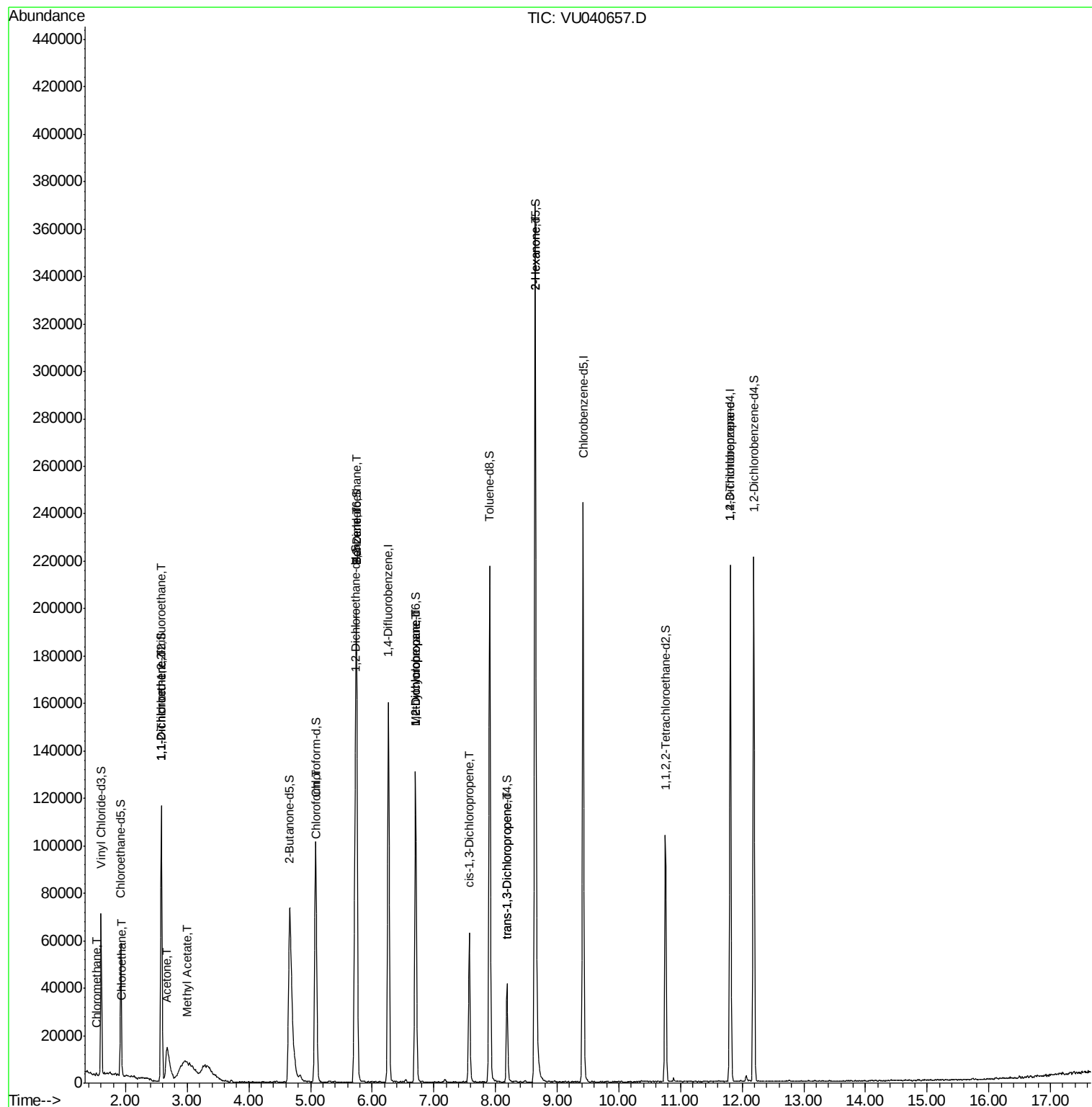
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

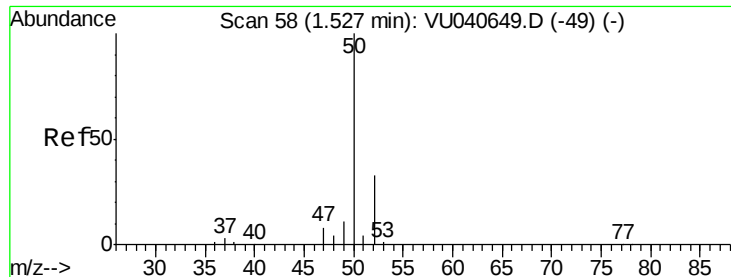
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.084 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040657.D

Acq: 12 Oct 2020 14:14

Instrument :

MSVOA_U

ClientSampleId :

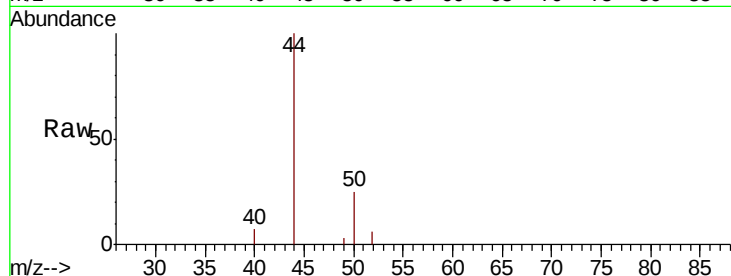
YAQX9

Tot Ion: 50 Resp: 861

Ion Ratio Lower Upper

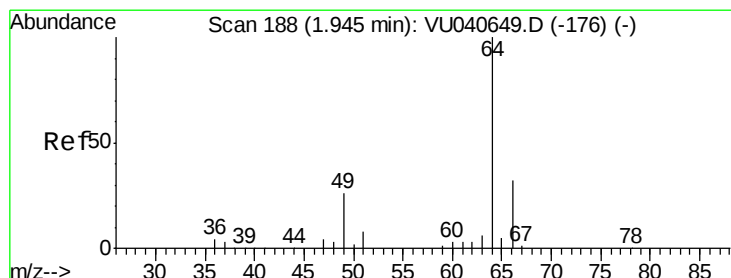
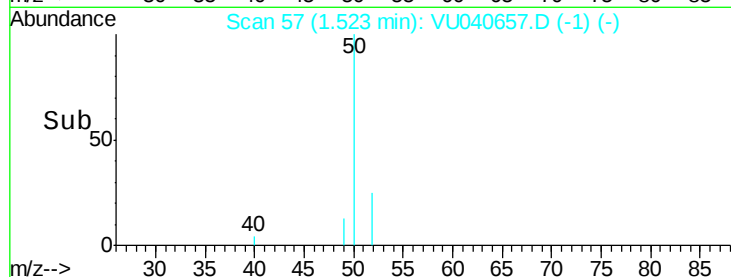
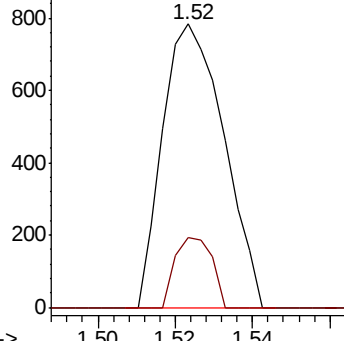
50 100

52 24.8 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.097 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU040657.D

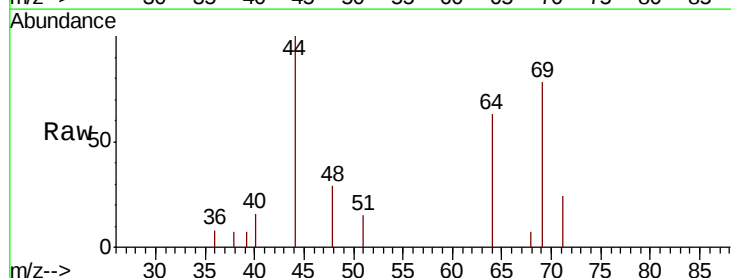
Acq: 12 Oct 2020 14:14

Tgt Ion: 64 Resp: 669

Ion Ratio Lower Upper

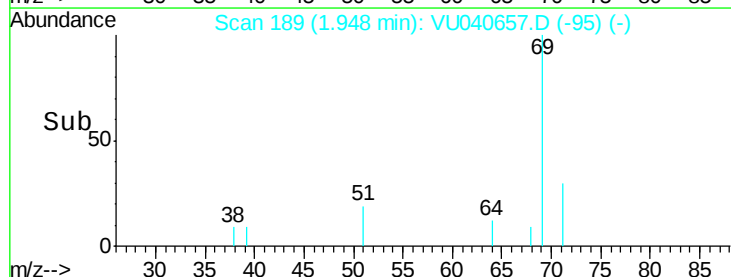
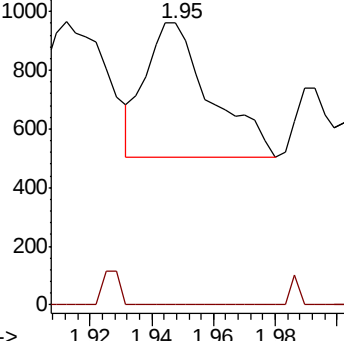
64 100

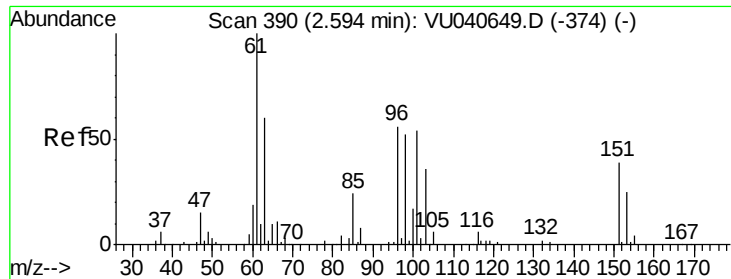
66 0.0 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.049 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040657.D

Acq: 12 Oct 2020 14:14

Instrument :

MSVOA_U

ClientSampleId :

YAQX9

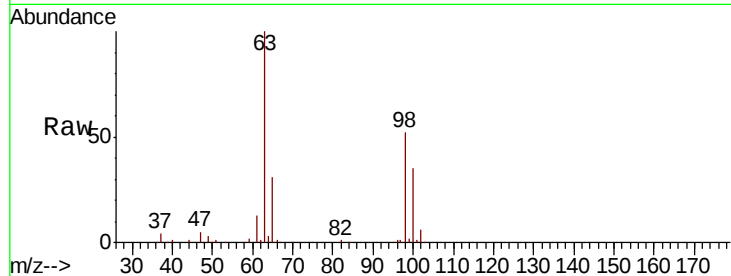
Tot Ion:101 Resp: 493

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#



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

500

400

300

200

100

0

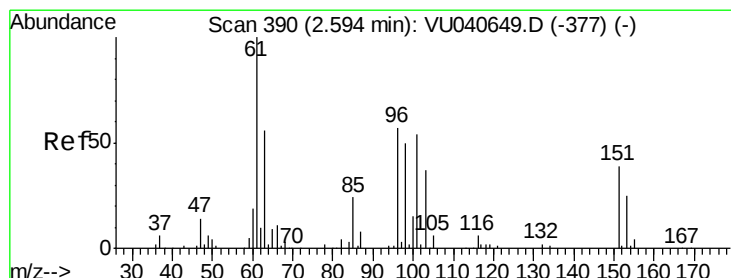
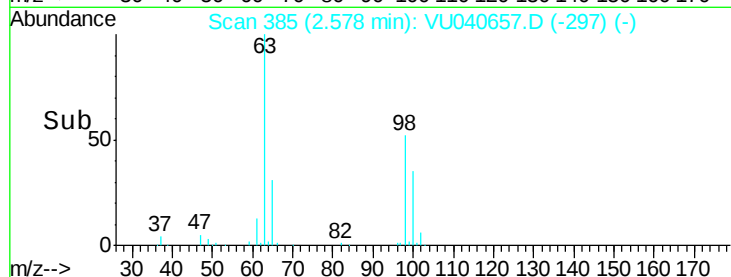
2.54

2.56

2.58

2.60

Time-->



#12

1,1-Dichloroethene

Concen: 0.060 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040657.D

Acq: 12 Oct 2020 14:14

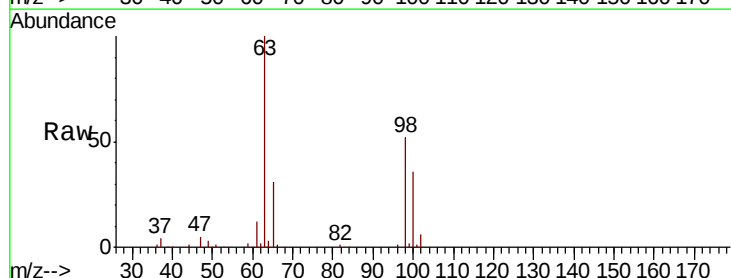
Tgt Ion: 96 Resp: 520

Ion Ratio Lower Upper

96 100

61 1299.7 128.8 239.2#

63 10430.6 84.6 157.2#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

60000

50000

40000

30000

20000

10000

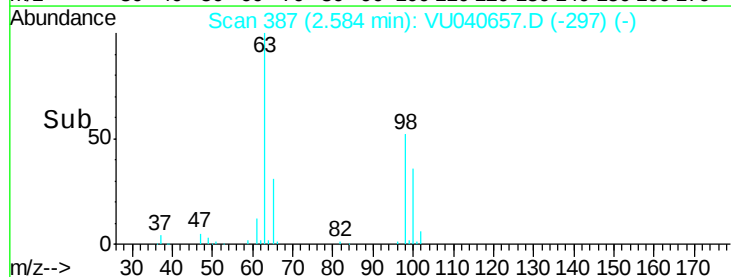
0

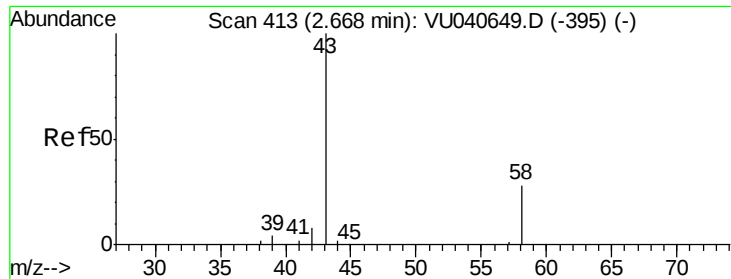
2.56

2.58

2.60

Time-->





#13

Acetone

Concen: 17.108 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.01 min

Lab File: VU040657.D

Acq: 12 Oct 2020 14:14

Instrument :

MSVOA_U

ClientSampleId :

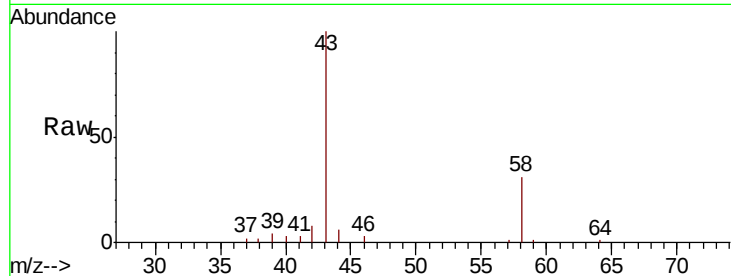
YQX9

Tot Ion: 43 Resp: 42780

Ion Ratio Lower Upper

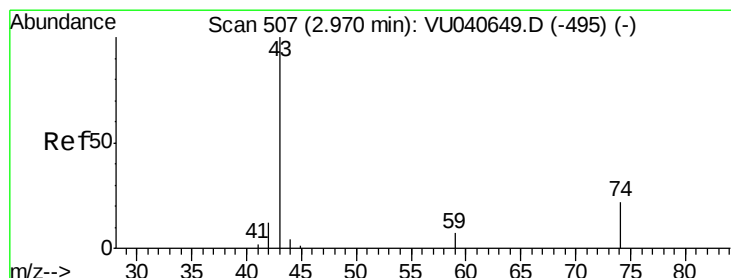
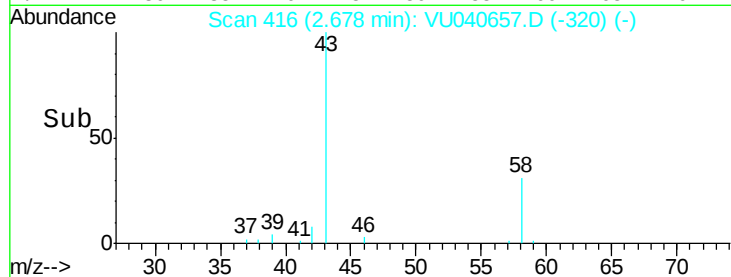
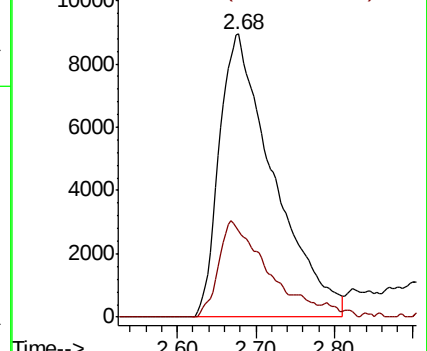
43 100

58 27.4 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#15

Methyl Acetate

Concen: 0.160 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.02 min

Lab File: VU040657.D

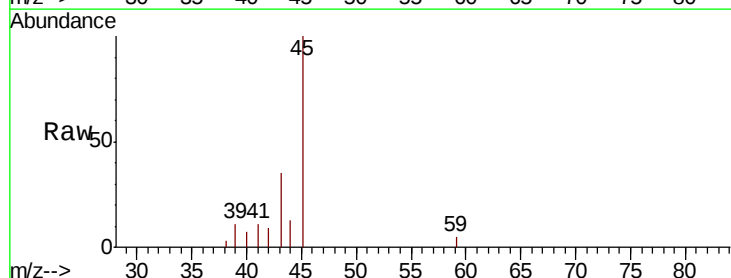
Acq: 12 Oct 2020 14:14

Tgt Ion: 43 Resp: 911

Ion Ratio Lower Upper

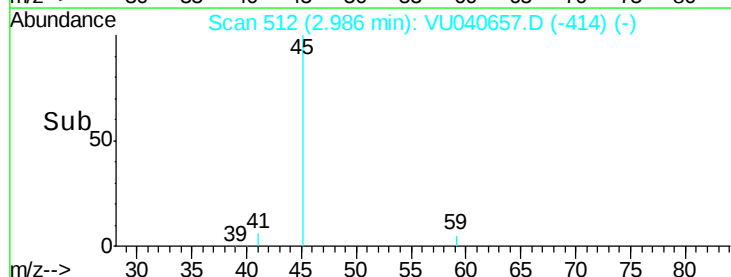
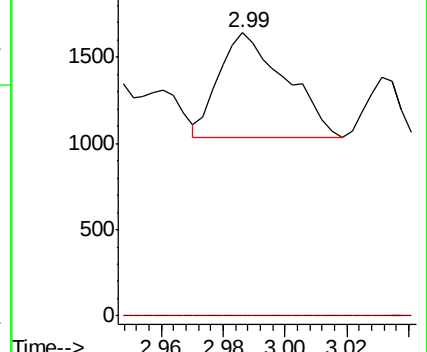
43 100

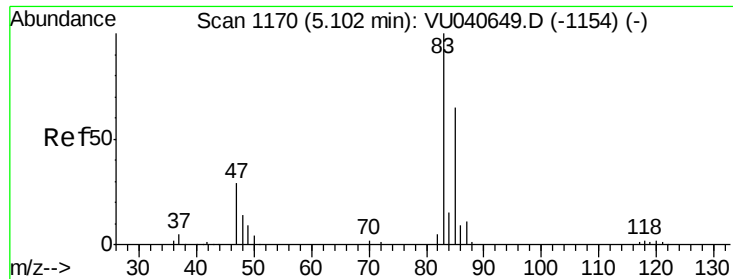
74 0.0 16.5 24.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

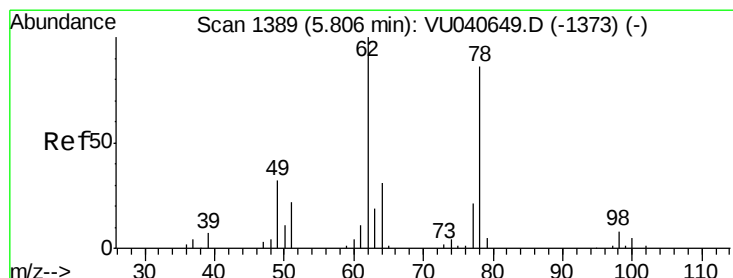
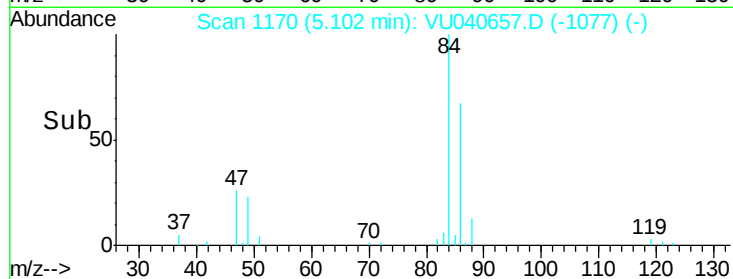
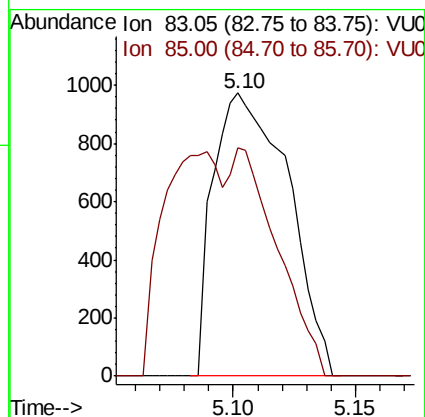
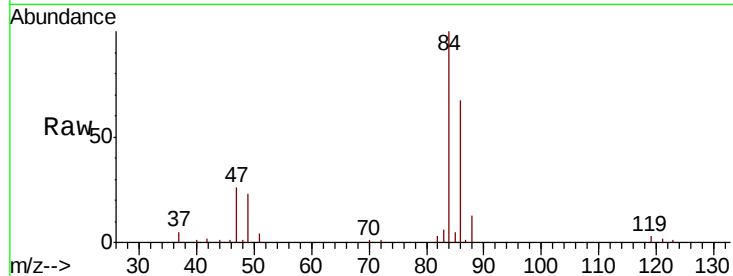




#25
Chloroform
Concen: 0.108 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040657.D
Acq: 12 Oct 2020 14:14

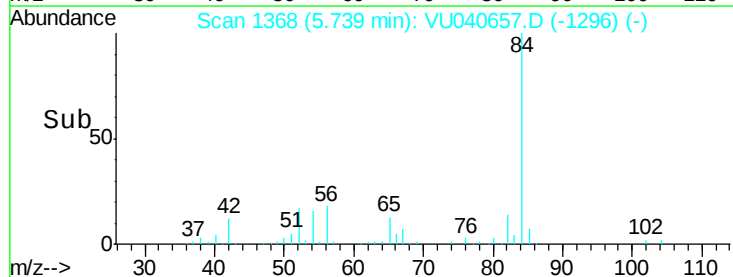
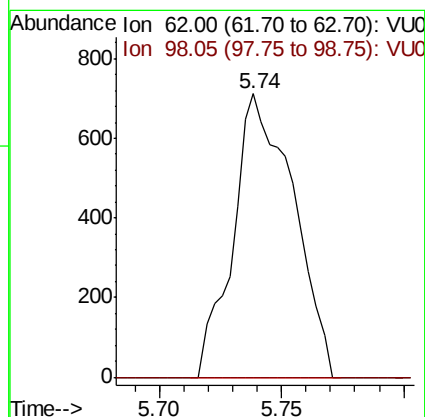
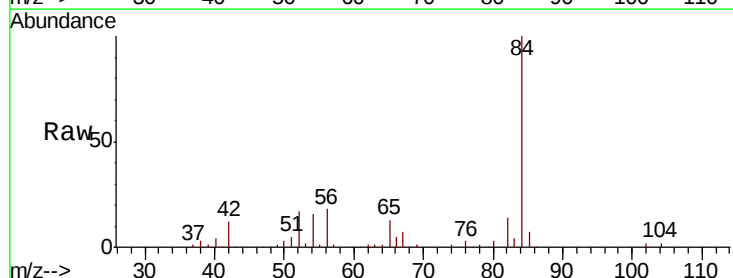
Instrument :
MSVOA_U
ClientSampled :
YAQX9

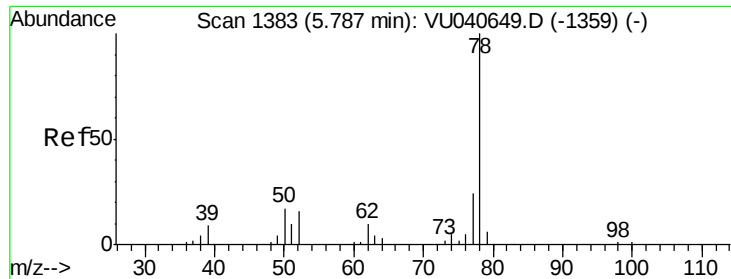
Tot Ion: 83 Resp: 2081
Ion Ratio Lower Upper
83 100
85 80.8 46.5 86.5



#27
1,2-Dichloroethane
Concen: 0.090 ug/L
RT: 5.74 min Scan# 1368
Delta R.T. -0.07 min
Lab File: VU040657.D
Acq: 12 Oct 2020 14:14

Tgt Ion: 62 Resp: 1222
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#33

Benzene

Concen: 0.029 ug/L

RT: 5.75 min Scan# 1372

Delta R.T. -0.04 min

Lab File: VU040657.D

Acq: 12 Oct 2020 14:14

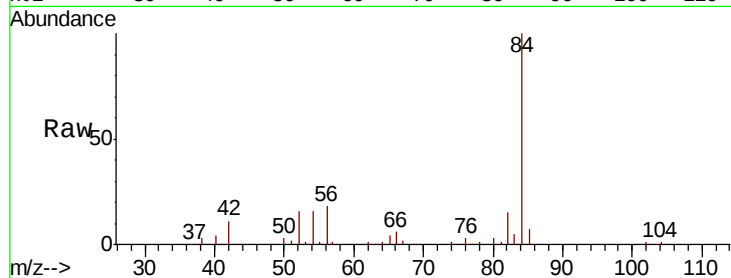
Instrument :

MSVOA_U

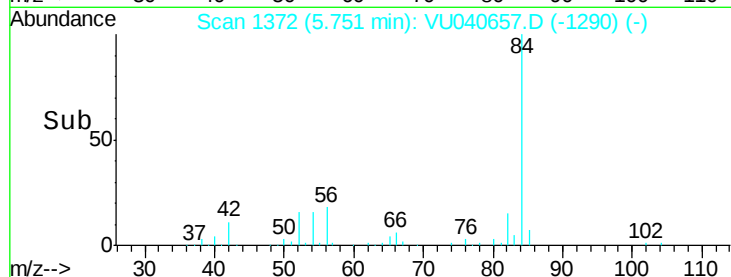
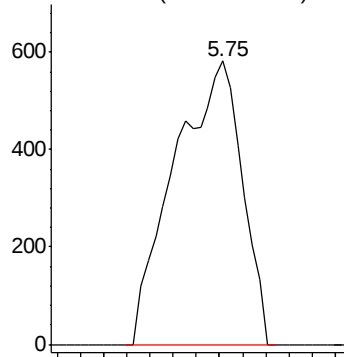
ClientSampled :

YQX9

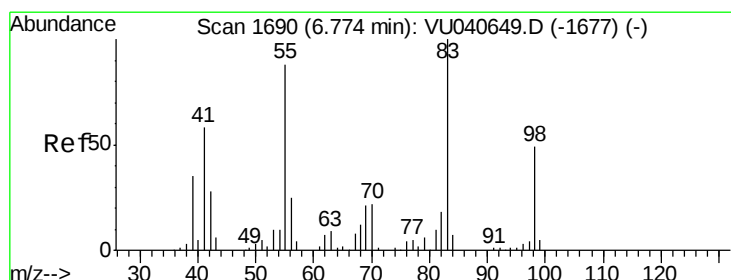
Tgt Ion: 78 Resp: 1178



Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#35

Methylcyclohexane

Concen: 0.941 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040657.D

Acq: 12 Oct 2020 14:14

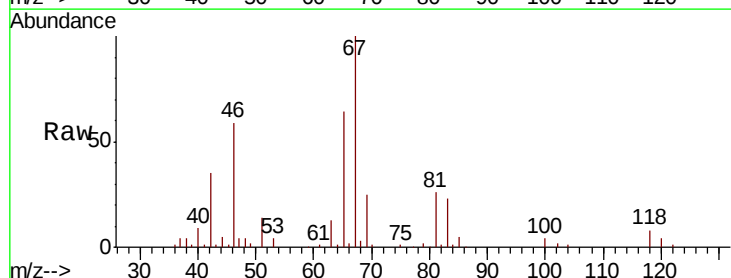
Tgt Ion: 83 Resp: 13840

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

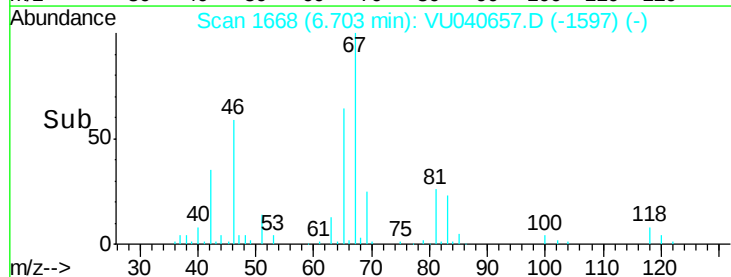
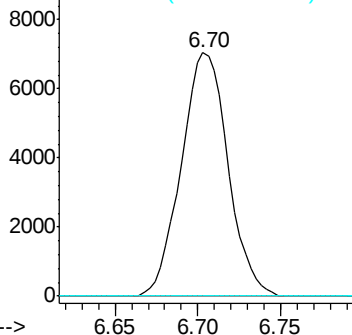
98 1.1 38.4 57.6#

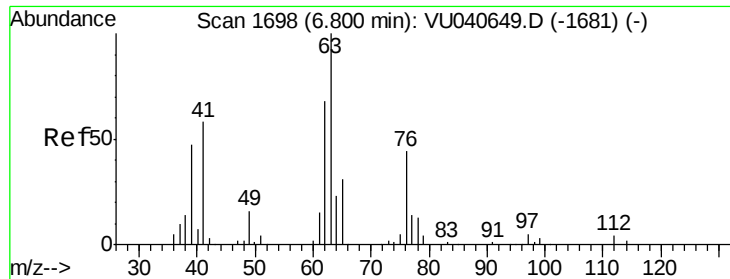


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

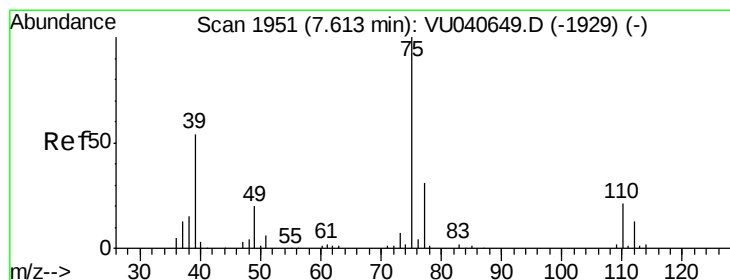
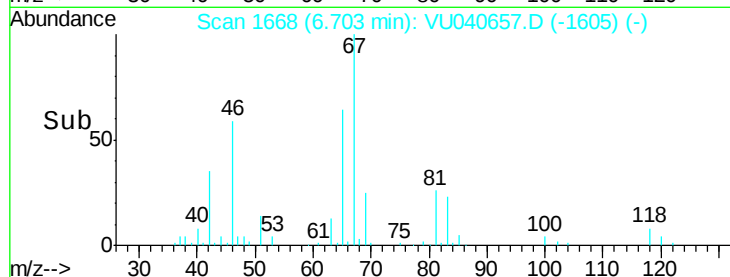
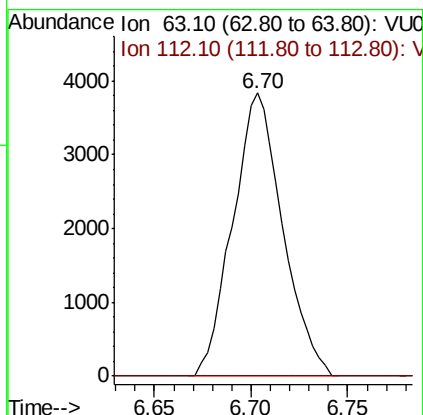
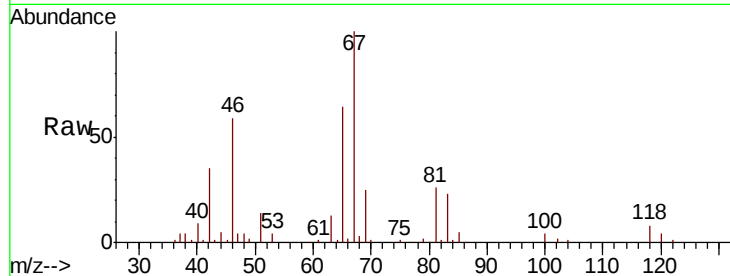




#37
 1,2-Dichloropropane
 Concen: 0.616 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040657.D
 Acq: 12 Oct 2020 14:14

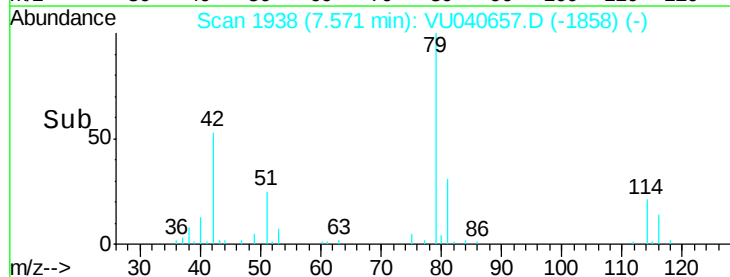
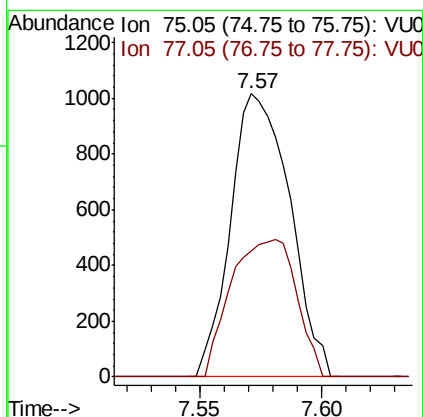
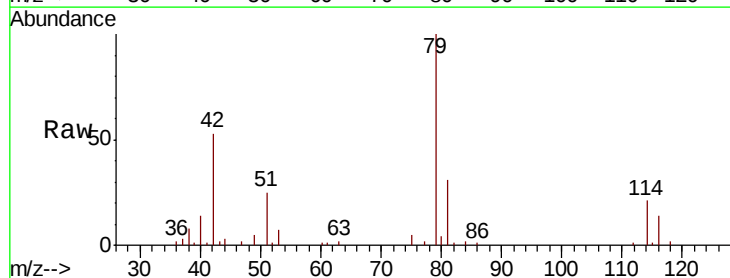
Instrument :
 MSVOA_U
 ClientSampleId :
 YAQX9

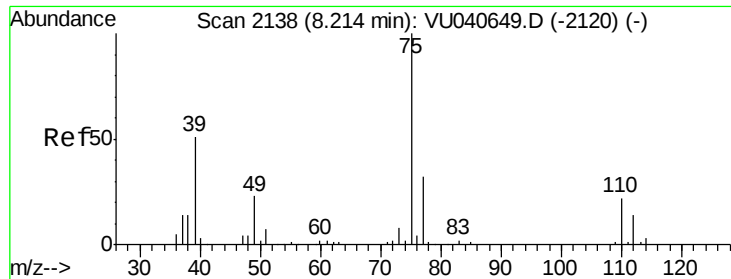
Tot Ion: 63 Resp: 6876
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040657.D
 Acq: 12 Oct 2020 14:14

Tgt Ion: 75 Resp: 1712
 Ion Ratio Lower Upper
 75 100
 77 44.4 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040657.D

Acq: 12 Oct 2020 14:14

Instrument :

MSVOA_U

ClientSampleId :

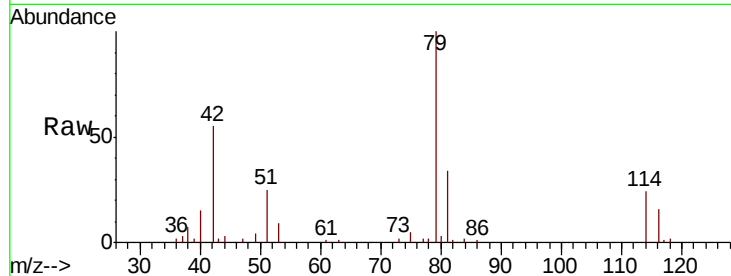
YQX9

Tot Ion: 75 Resp: 1044

Ion Ratio Lower Upper

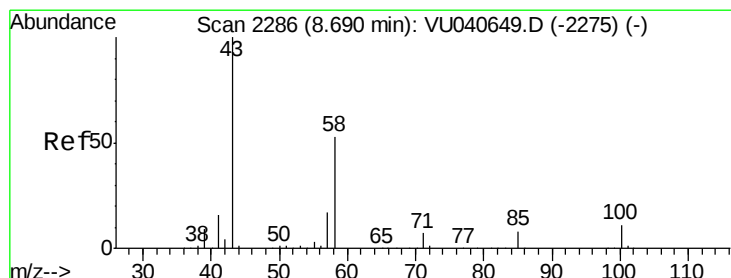
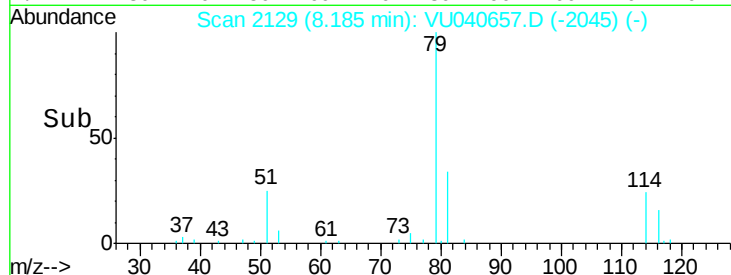
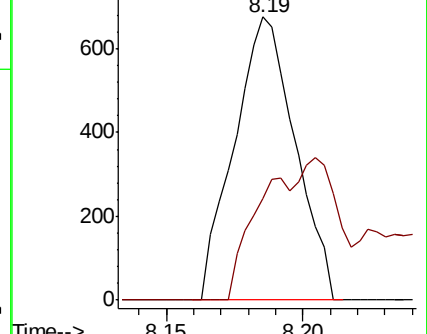
75 100

77 35.7 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 2.831 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040657.D

Acq: 12 Oct 2020 14:14

Tgt Ion: 43 Resp: 18741

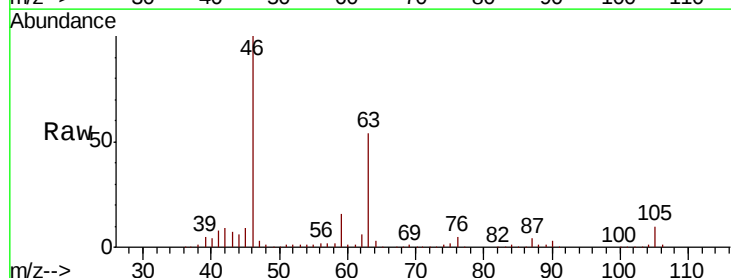
Ion Ratio Lower Upper

43 100

58 37.0 41.0 61.6#

57 27.6 14.4 21.6#

100 1.2 8.6 13.0#

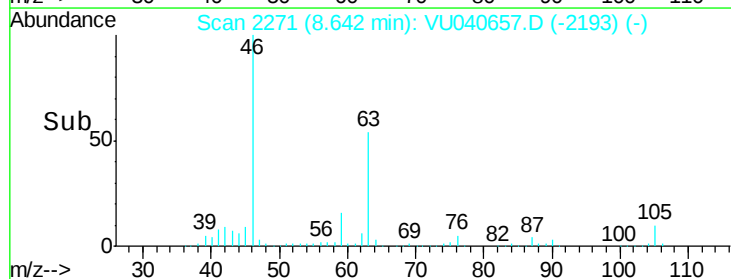
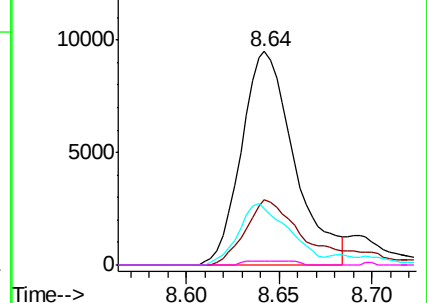


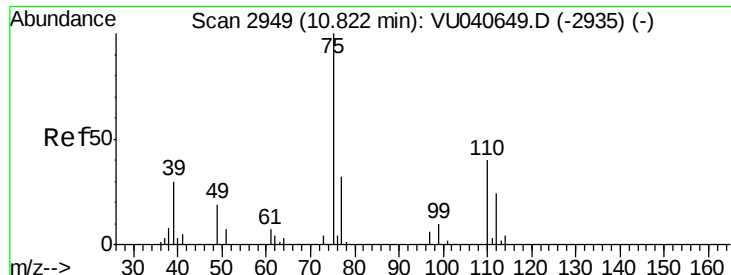
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 0.921 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040657.D

Acq: 12 Oct 2020 14:14

Instrument :

MSVOA_U

ClientSampleId :

YQX9

Tot Ion: 75 Resp: 7548

Ion Ratio Lower Upper

75 100

77 36.3 26.4 39.6

