

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
 Data File : VU039436.D
 Acq On : 10 Jul 2020 17:38
 Operator : SY/MD
 Sample : L3244-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 11 02:53:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 11 02:49:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	95056	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	87971	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42156	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	22306	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.92	69	30272	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	2.58	63	35806	3.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.00%
20) 2-Butanone-d5	4.65	46	147282	58.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.86%
24) Chloroform-d	5.08	84	58314	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.72	65	39693	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.75	84	111692	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.71	67	39663	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.91	98	93971	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
43) trans-1,3-Dichloropropene-	8.19	79	15370	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.64	63	104199	53.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.92%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	38236	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	38731	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

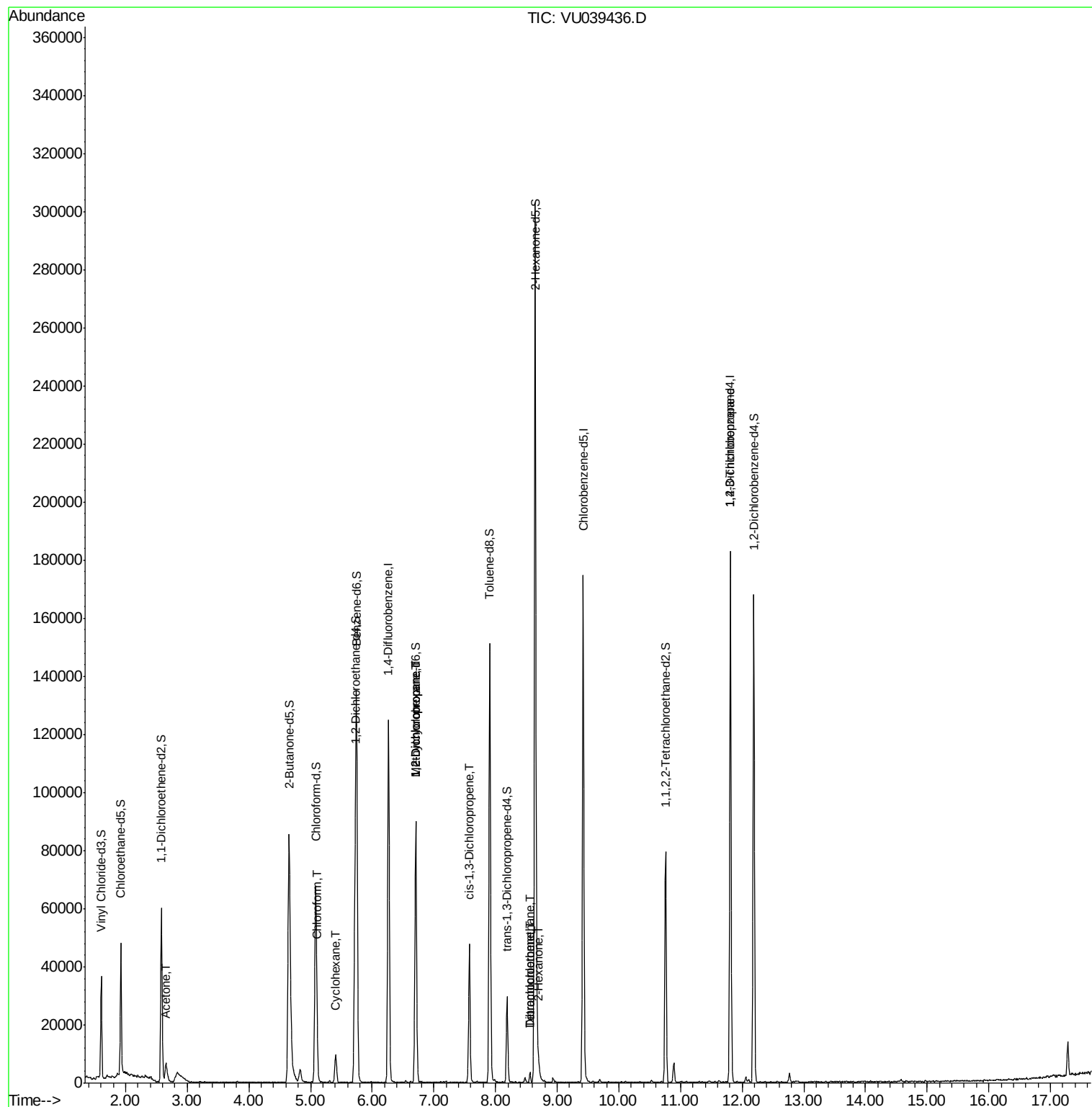
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.65	43	10648	7.826	ug/L	95
25) Chloroform	5.11	83	2931	0.237	ug/L	94
30) Cyclohexane	5.41	56	4863	0.446	ug/L	98
35) Methylcyclohexane	6.71	83	8973	0.824	ug/L #	18
37) 1,2-Dichloropropane	6.71	63	4361	0.608	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1403	0.129	ug/L #	58
47) Tetrachloroethene	8.56	164	570	0.121	ug/L	87
48) 2-Hexanone	8.70	43	4472	1.014	ug/L #	84
49) Dibromochloromethane	8.56	129	592	0.095	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7029	1.330	ug/L	98

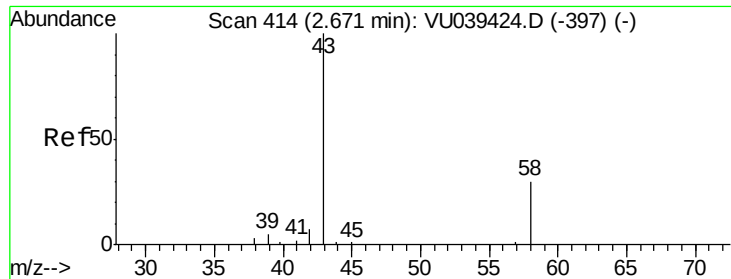
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 11 02:49:36 2020
Response via : Initial Calibration





#13

Acetone

Concen: 7.826 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.02 min

Lab File: VU039436.D

Acq: 10 Jul 2020 17:38

Instrument :

MSVOA_U

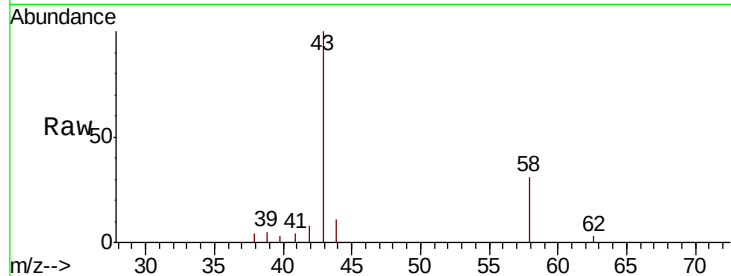
ClientSampleId :

Tot Ion: 43 Resp: 10648

Ion Ratio Lower Upper

43 100

58 28.4 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039424.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU039424.D (-397) (-)

2.65

4000

3000

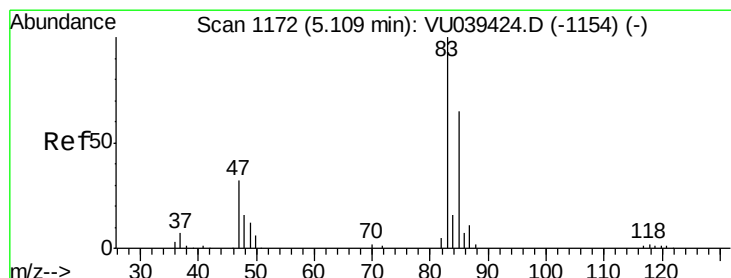
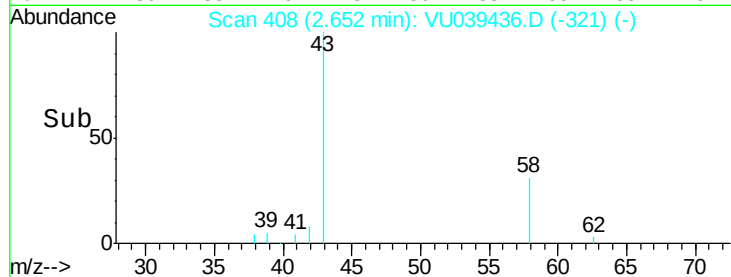
2000

1000

0

Time-->

2.60 2.65 2.70 2.75



#25

Chloroform

Concen: 0.237 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU039436.D

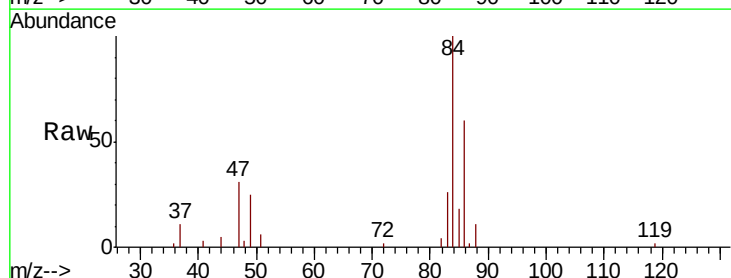
Acq: 10 Jul 2020 17:38

Tgt Ion: 83 Resp: 2931

Ion Ratio Lower Upper

83 100

85 69.3 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039424.D (-1154) (-)

Ion 85.00 (84.70 to 85.70): VU039424.D (-1154) (-)

1500

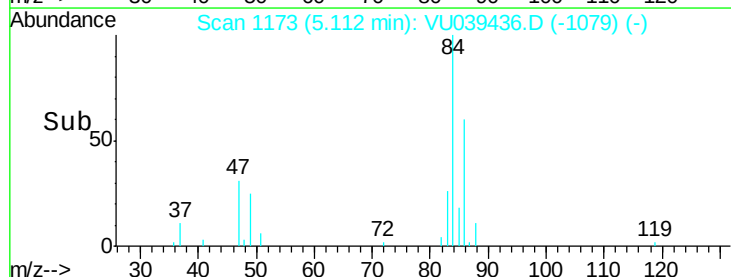
1000

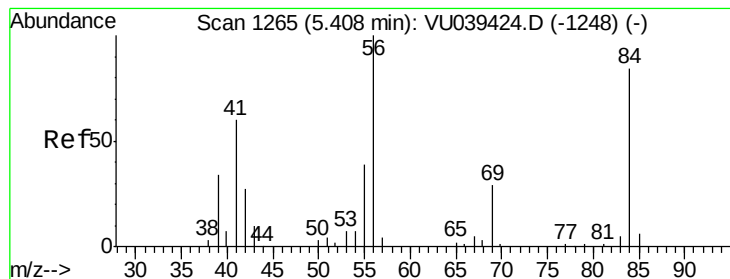
500

0

Time-->

5.05 5.10 5.15





#30

Cyclohexane

Concen: 0.446 ug/L

RT: 5.41 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VU039436.D

Acq: 10 Jul 2020 17:38

Instrument :

MSVOA_U

ClientSampled :

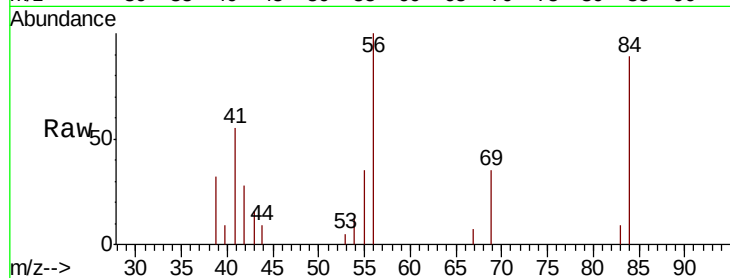
Tot Ion: 56 Resp: 4863

Ion Ratio Lower Upper

56 100

69 29.1 24.1 36.1

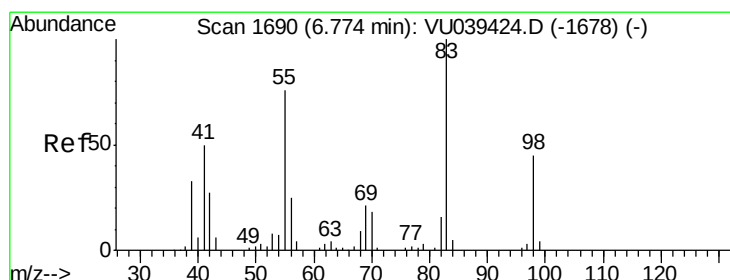
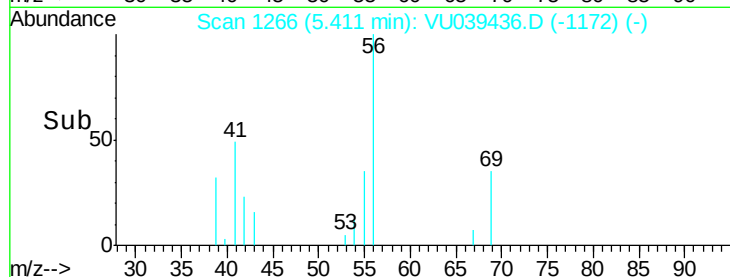
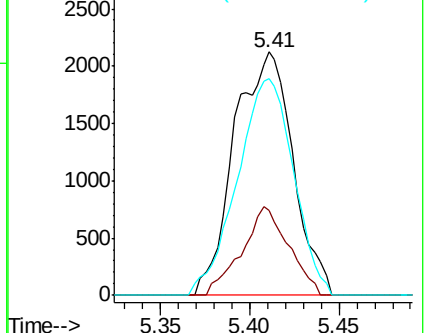
84 85.5 67.0 100.6



Abundance Ion 56.10 (55.80 to 56.80): VU039436.D (-1172) (-)

Ion 69.15 (68.85 to 69.85): VU039436.D (-1172) (-)

Ion 84.15 (83.85 to 84.85): VU039436.D (-1172) (-)



#35

Methylcyclohexane

Concen: 0.824 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU039436.D

Acq: 10 Jul 2020 17:38

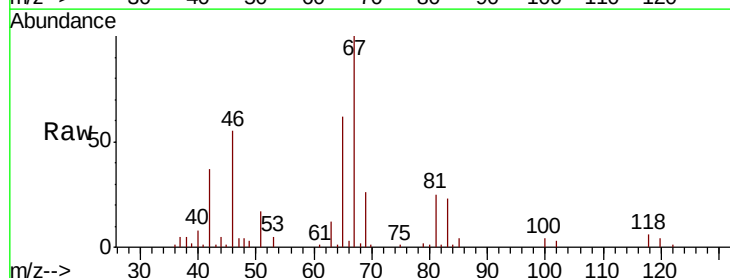
Tgt Ion: 83 Resp: 8973

Ion Ratio Lower Upper

83 100

55 0.2 62.1 93.1#

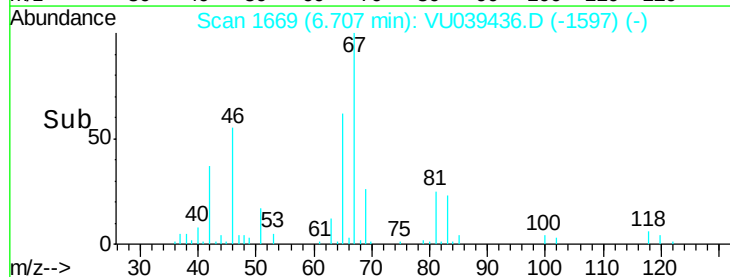
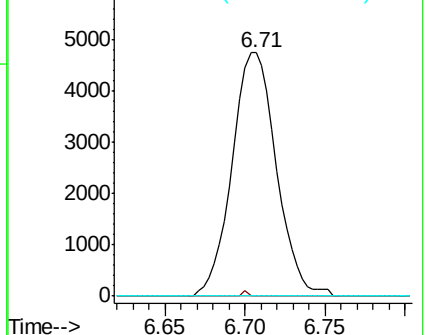
98 0.2 35.9 53.9#

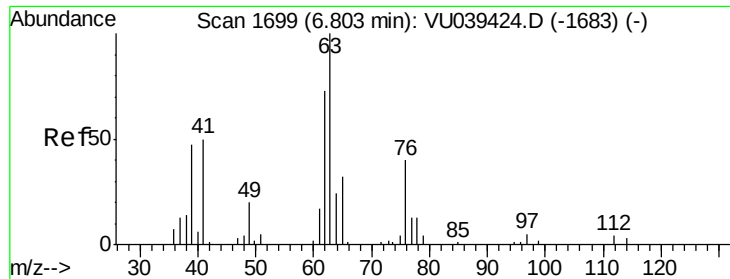


Abundance Ion 83.15 (82.85 to 83.85): VU039436.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU039436.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU039436.D (-1597) (-)

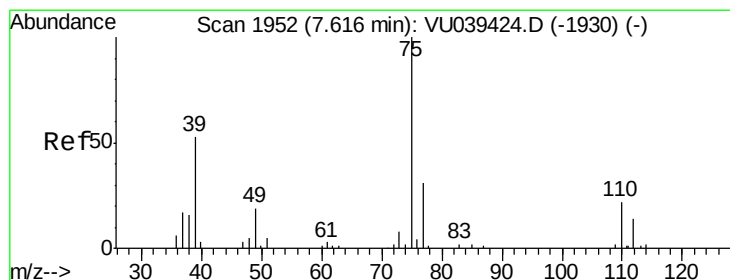
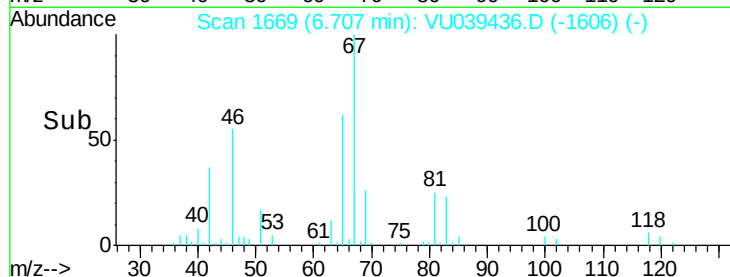
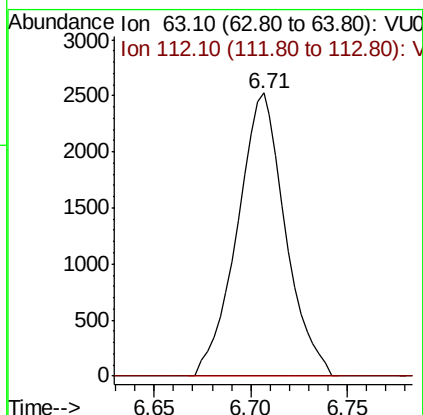
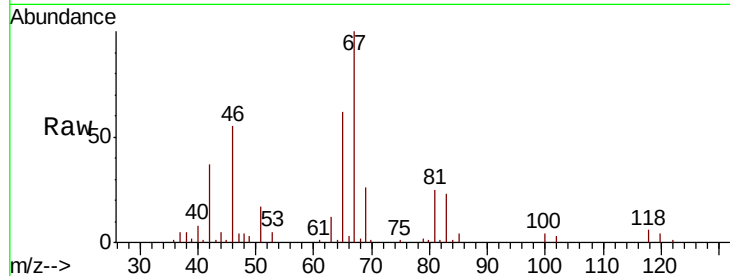




#37
 1,2-Dichloropropane
 Concen: 0.608 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039436.D
 Acq: 10 Jul 2020 17:38

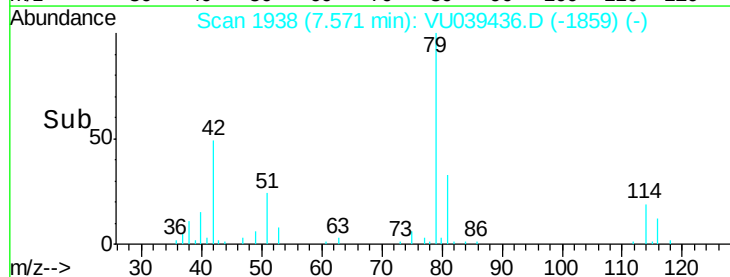
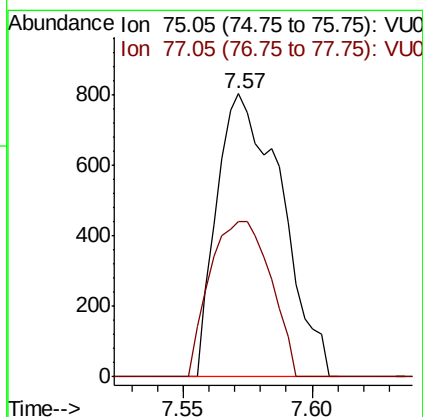
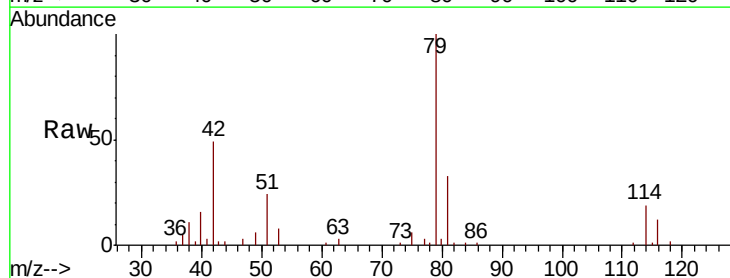
Instrument :
 MSVOA_U
 ClientSampleId :

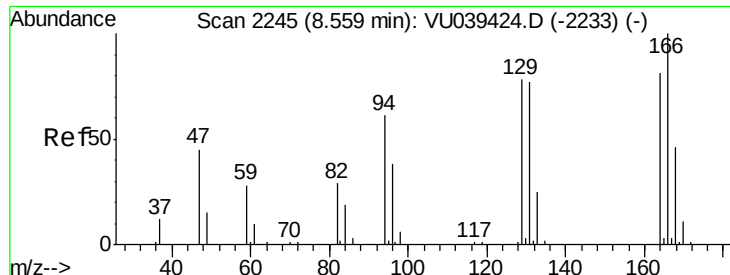
Tot Ion: 63 Resp: 4361
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.129 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.05 min
 Lab File: VU039436.D
 Acq: 10 Jul 2020 17:38

Tgt Ion: 75 Resp: 1403
 Ion Ratio Lower Upper
 75 100
 77 55.1 22.3 41.3#





#47

Tetrachloroethene

Concen: 0.121 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039436.D

Acq: 10 Jul 2020 17:38

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 570

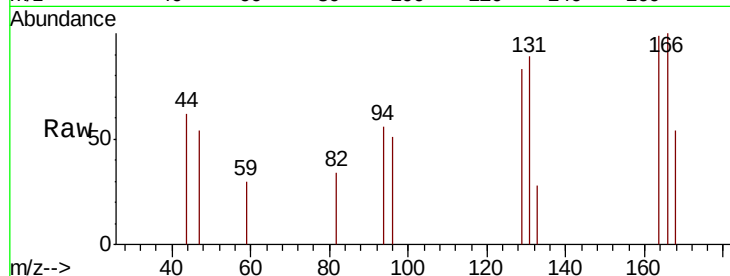
Ion Ratio Lower Upper

164 100

129 84.2 68.6 127.4

131 90.0 66.4 123.4

166 101.5 85.9 159.5

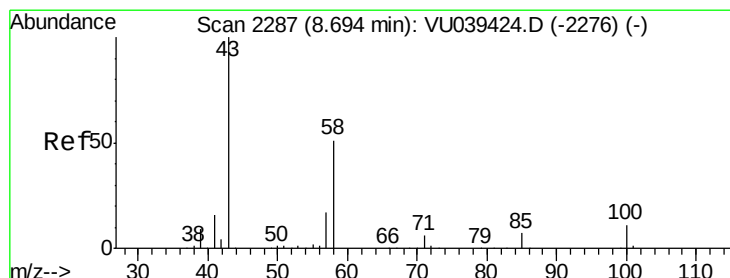
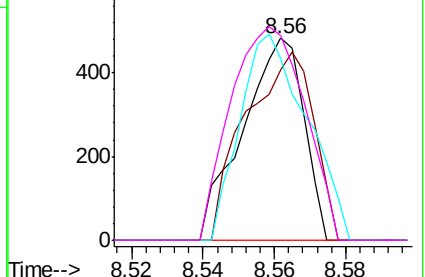
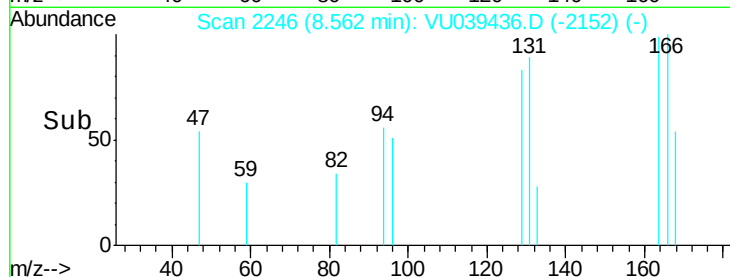


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.014 ug/L

RT: 8.70 min Scan# 2288

Delta R.T. 0.00 min

Lab File: VU039436.D

Acq: 10 Jul 2020 17:38

Tgt Ion: 43 Resp: 4472

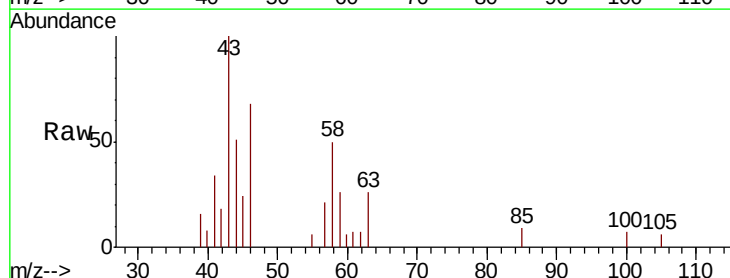
Ion Ratio Lower Upper

43 100

58 45.0 42.0 63.0

57 2.8 14.0 21.0#

100 5.2 8.2 12.2#

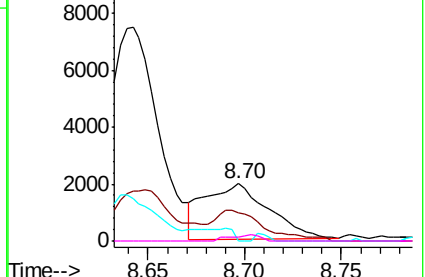
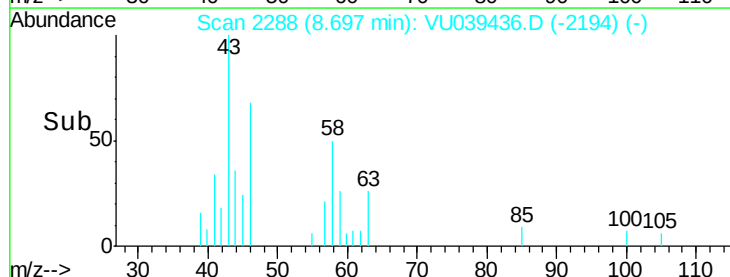


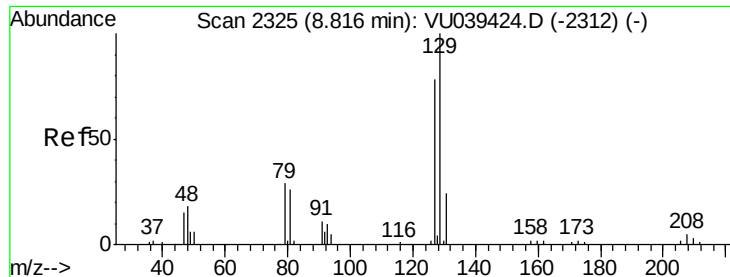
Abundance Ion 43.05 (42.75 to 43.75): VU0

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





#49

Dibromochloromethane

Concen: 0.095 ug/L

RT: 8.56 min Scan# 2247

Delta R.T. -0.25 min

Lab File: VU039436.D

Acq: 10 Jul 2020 17:38

Instrument :

MSVOA_U

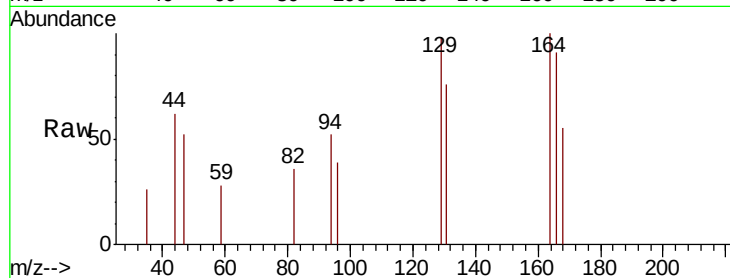
ClientSampleId :

Tot Ion:129 Resp: 592

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

400

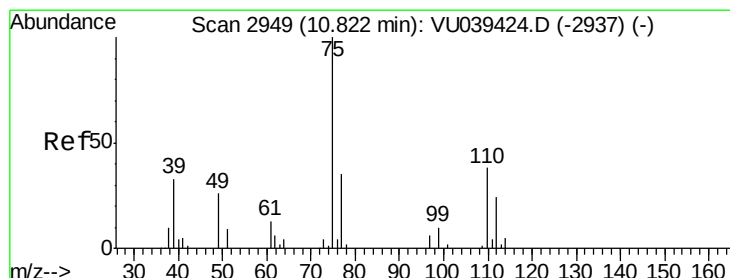
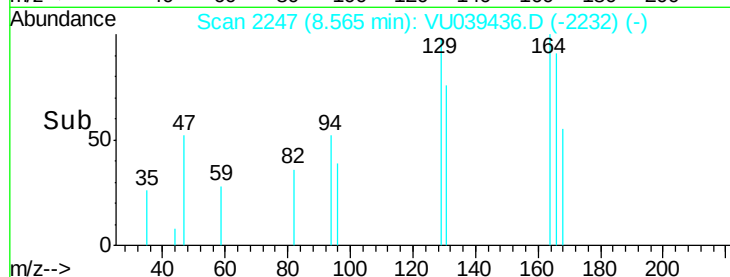
300

200

100

0

Time--> 8.52 8.54 8.56 8.58



#59

1,2,3-Trichloropropane

Concen: 1.330 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039436.D

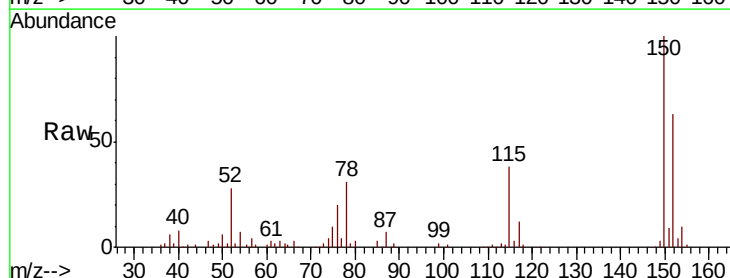
Acq: 10 Jul 2020 17:38

Tgt Ion: 75 Resp: 7029

Ion Ratio Lower Upper

75 100

77 34.8 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

5000

4000

3000

2000

1000

0

Time--> 11.75 11.80 11.85

