

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
 Data File : VU039444.D
 Acq On : 10 Jul 2020 20:43
 Operator : SY/MD
 Sample : L3268-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 11 02:55:03 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	93562	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	85910	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	40530	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	19641	3.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.40%
7) Chloroethane-d5	1.93	69	25880	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.58	63	31706	2.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.40%#
20) 2-Butanone-d5	4.65	46	144352	58.18	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.36%
24) Chloroform-d	5.09	84	56267	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.72	65	37620	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.74	84	105533	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.71	67	37862	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.91	98	89218	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	8.19	79	14712	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.64	63	104032	54.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.32%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	36885	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	38011	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

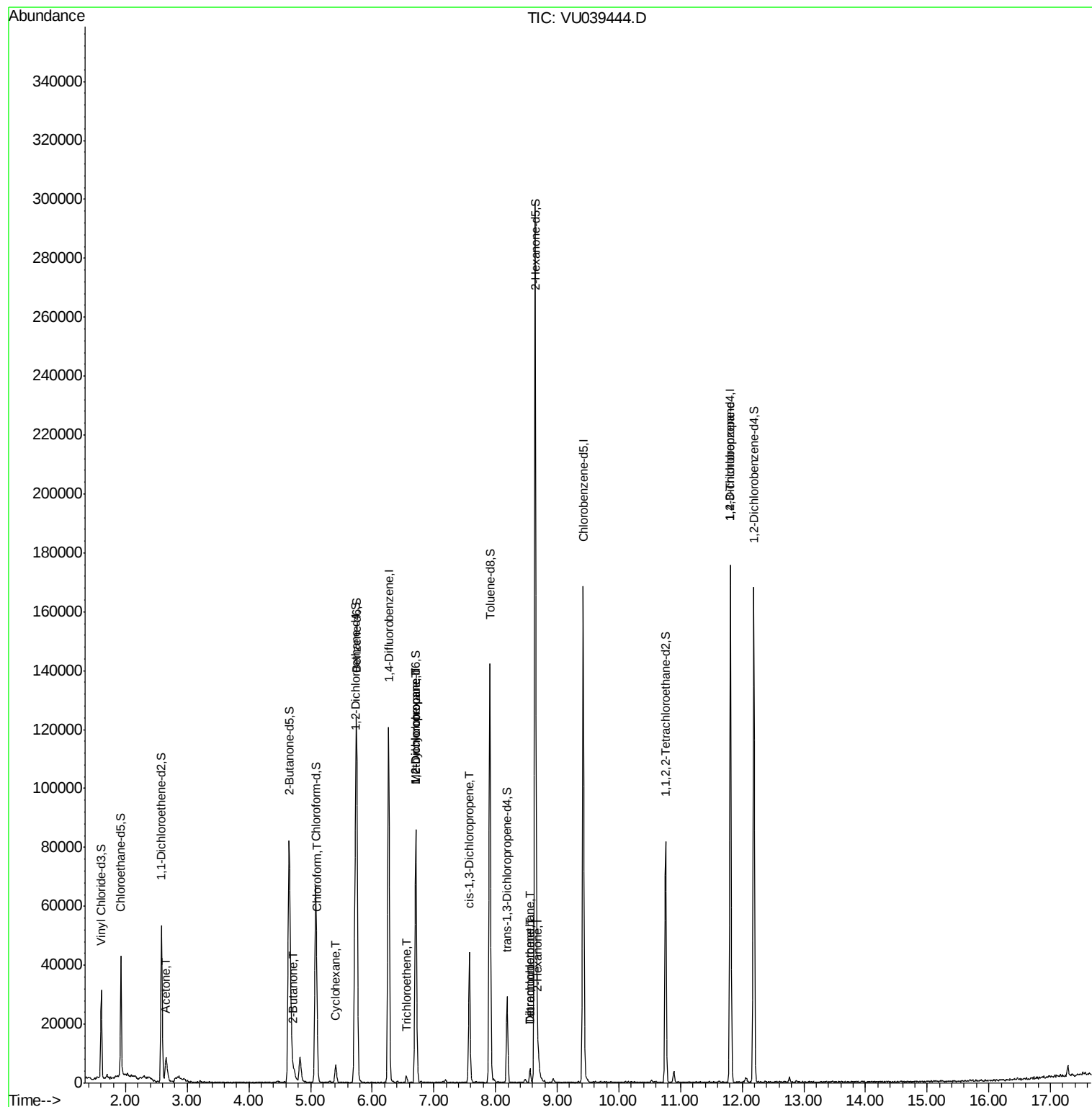
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.66	43	13883	10.366	ug/L	95
21) 2-Butanone	4.73	43	4358	1.823	ug/L	79
25) Chloroform	5.11	83	2490	0.205	ug/L	87
30) Cyclohexane	5.40	56	2941	0.276	ug/L	97
34) Trichloroethene	6.55	95	817	0.123	ug/L #	75
35) Methylcyclohexane	6.71	83	8260	0.776	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	4593	0.656	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1175	0.111	ug/L #	52
47) Tetrachloroethene	8.56	164	894	0.194	ug/L	88
48) 2-Hexanone	8.69	43	4589	1.066	ug/L #	93
49) Dibromochloromethane	8.56	129	889	0.146	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6750	1.308	ug/L	96

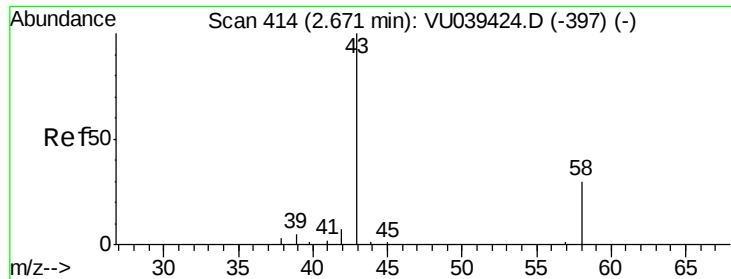
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 10.366 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.02 min

Lab File: VU039444.D

Acq: 10 Jul 2020 20:43

Instrument :

MSVOA_U

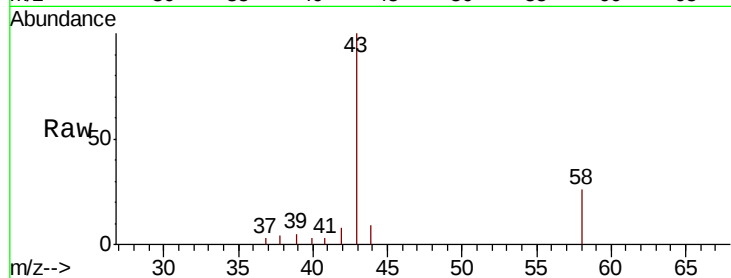
ClientSampleId :

Tot Ion: 43 Resp: 13883

Ion Ratio Lower Upper

43 100

58 28.4 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039444.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU039444.D (-321) (-)

2.66

6000

5000

4000

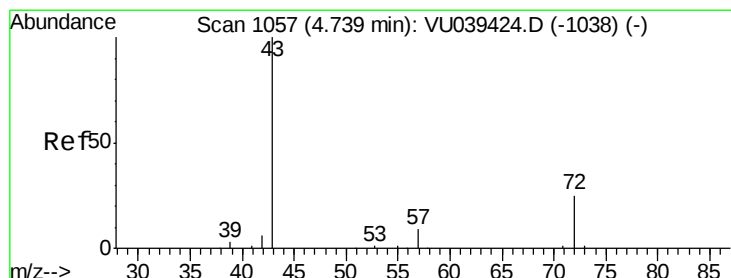
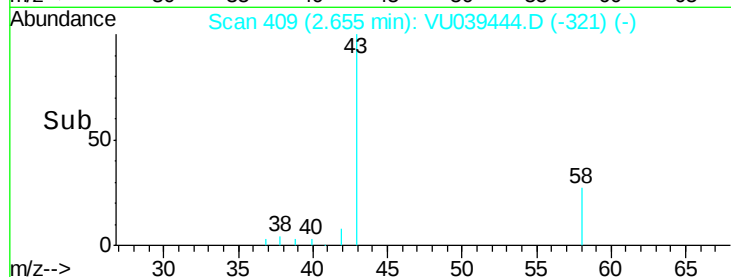
3000

2000

1000

0

Time-->



#21

2-Butanone

Concen: 1.823 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VU039444.D

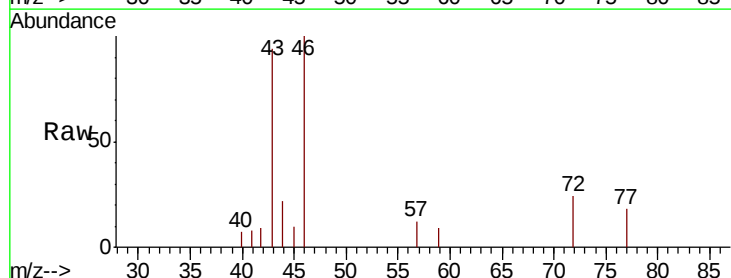
Acq: 10 Jul 2020 20:43

Tgt Ion: 43 Resp: 4358

Ion Ratio Lower Upper

43 100

72 15.7 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU039444.D (-964) (-)

Ion 72.10 (71.80 to 72.80): VU039444.D (-964) (-)

4.73

6000

5000

4000

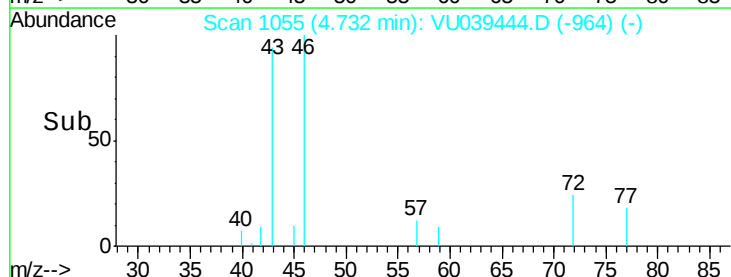
3000

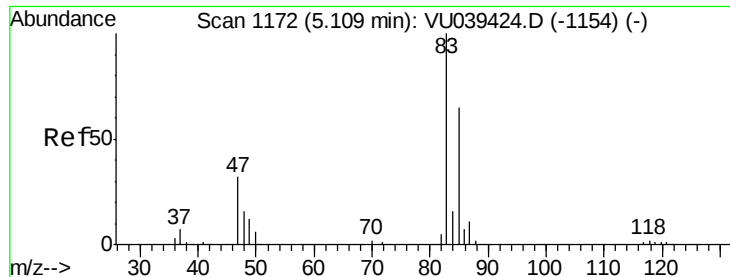
2000

1000

0

Time-->





#25

Chloroform

Concen: 0.205 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VU039444.D

Acq: 10 Jul 2020 20:43

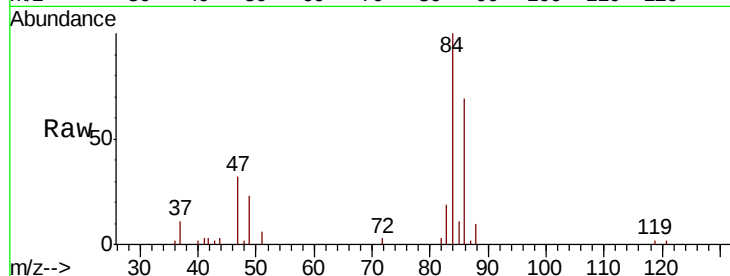
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 2490

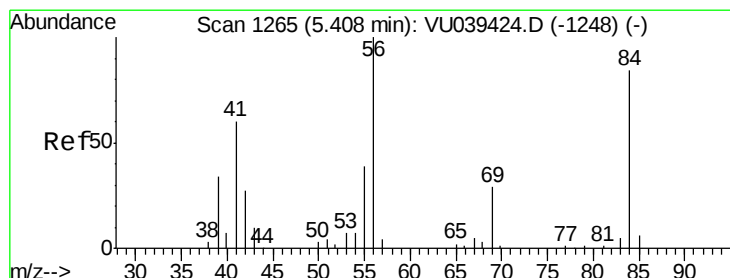
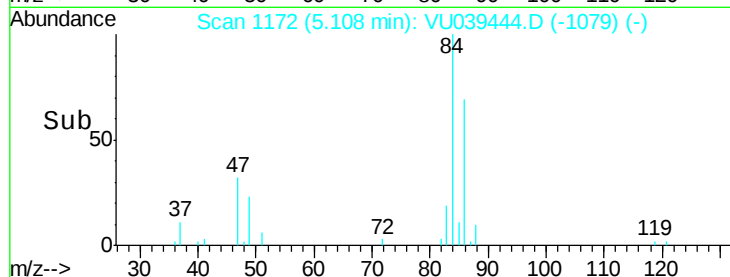
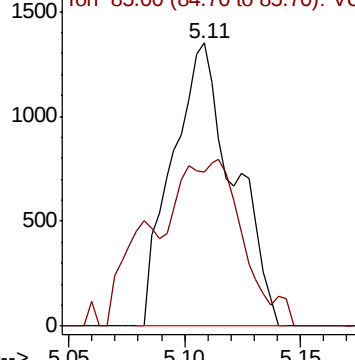
Ion Ratio Lower Upper

83 100

85 54.3 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0



#30

Cyclohexane

Concen: 0.276 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU039444.D

Acq: 10 Jul 2020 20:43

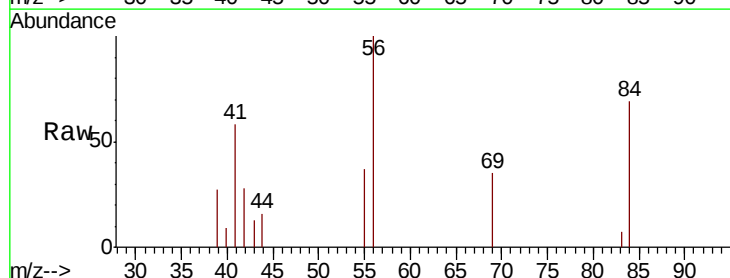
Tgt Ion: 56 Resp: 2941

Ion Ratio Lower Upper

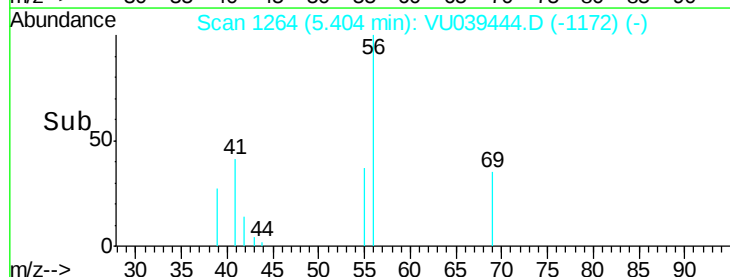
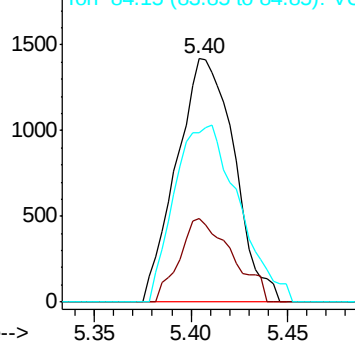
56 100

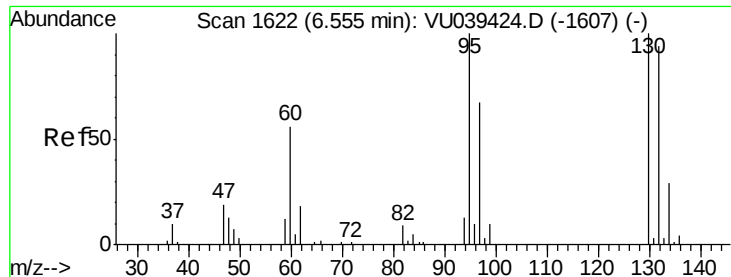
69 31.3 24.1 36.1

84 81.1 67.0 100.6



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

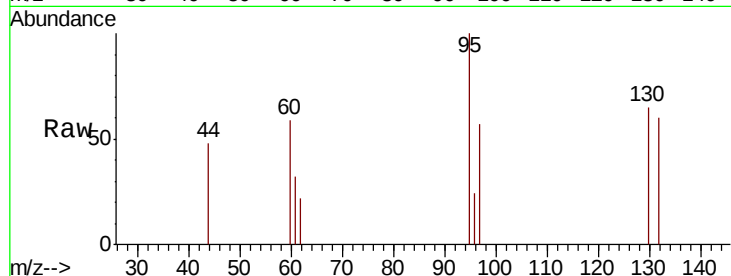




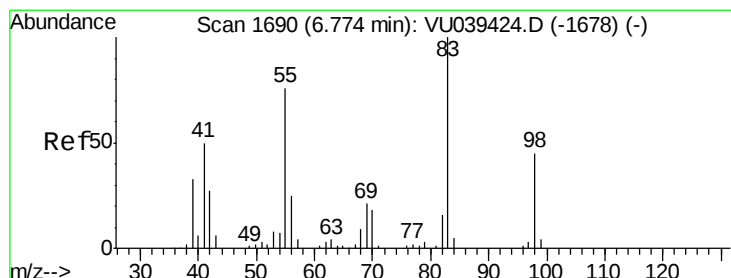
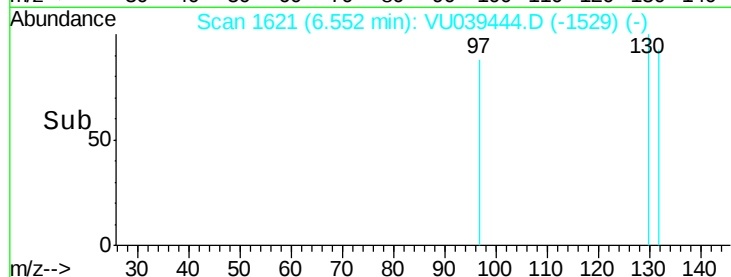
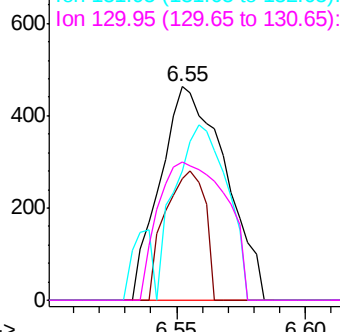
#34
 Trichloroethene
 Concen: 0.123 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU039444.D
 Acq: 10 Jul 2020 20:43

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 817
 Ion Ratio Lower Upper
 95 100
 97 56.8 46.3 85.9
 132 60.5 64.0 118.8#
 130 64.8 64.3 119.5

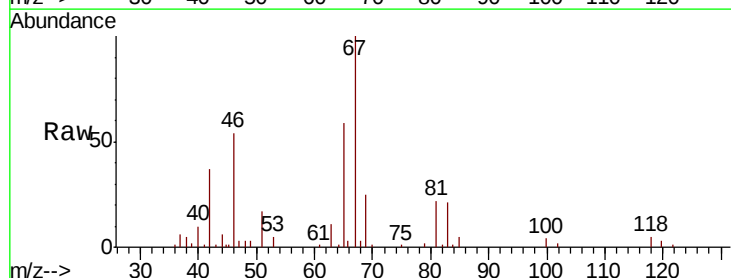


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

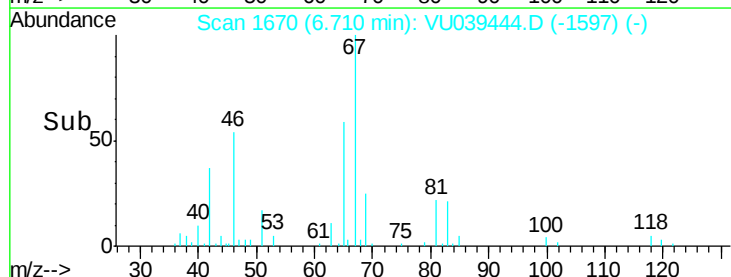
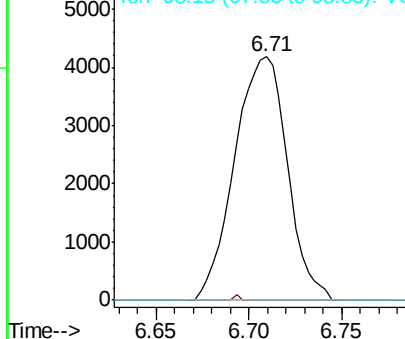


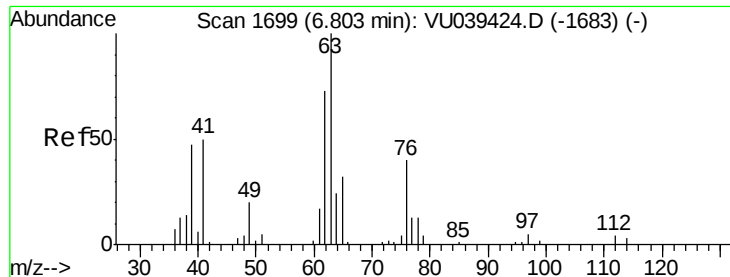
#35
 Methylcyclohexane
 Concen: 0.776 ug/L
 RT: 6.71 min Scan# 1670
 Delta R.T. -0.06 min
 Lab File: VU039444.D
 Acq: 10 Jul 2020 20:43

Tgt Ion: 83 Resp: 8260
 Ion Ratio Lower Upper
 83 100
 55 0.2 62.1 93.1#
 98 0.0 35.9 53.9#



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

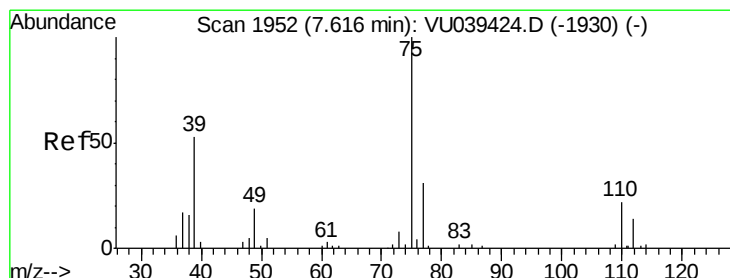
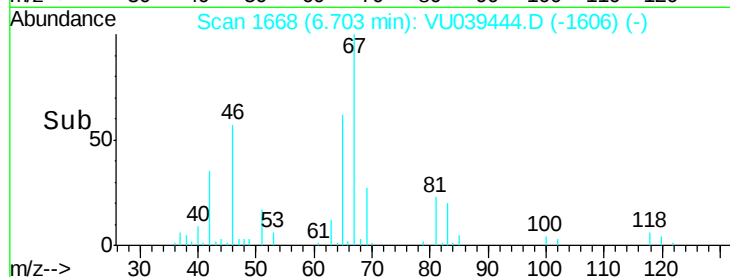
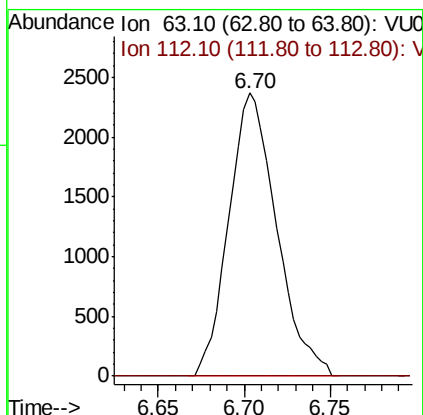
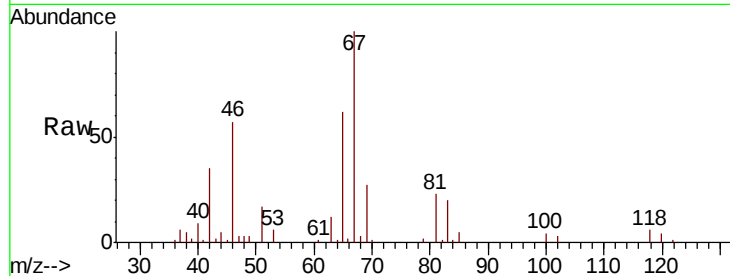




#37
 1,2-Dichloropropane
 Concen: 0.656 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU039444.D
 Acq: 10 Jul 2020 20:43

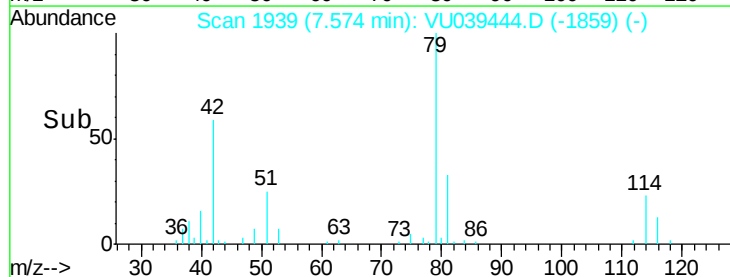
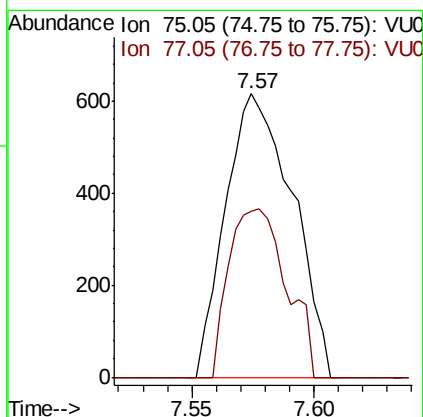
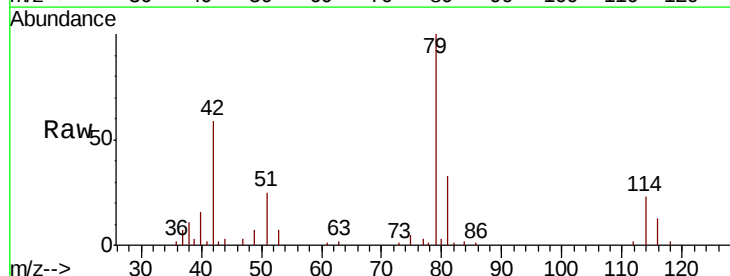
Instrument :
 MSVOA_U
 ClientSampleId :

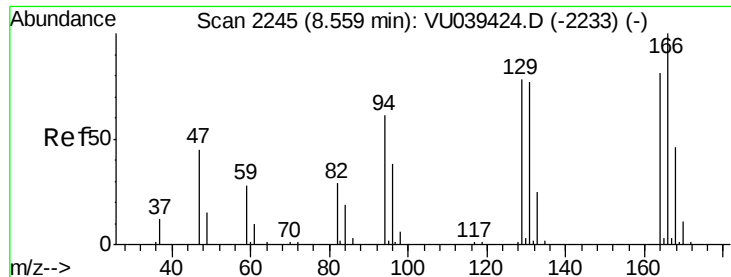
Tot Ion: 63 Resp: 4593
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.111 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039444.D
 Acq: 10 Jul 2020 20:43

Tgt Ion: 75 Resp: 1175
 Ion Ratio Lower Upper
 75 100
 77 58.6 22.3 41.3#

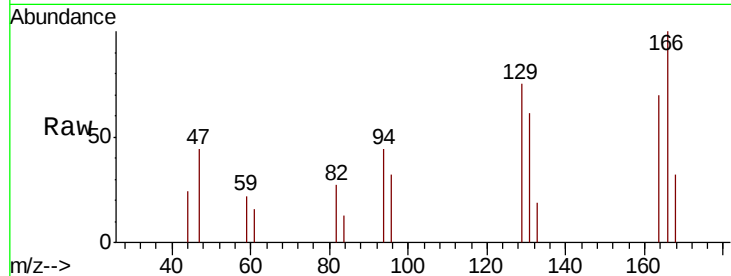




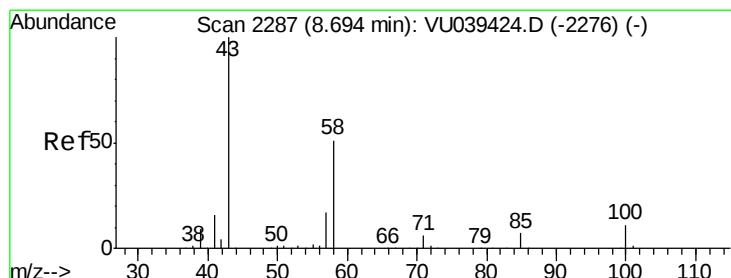
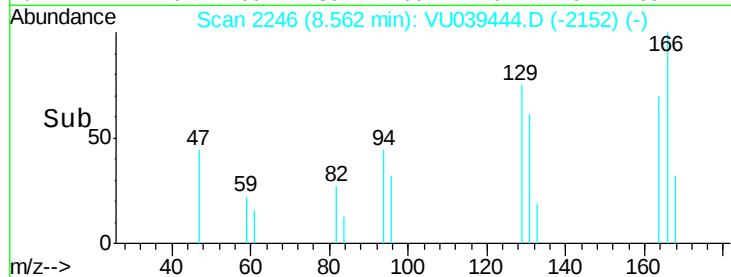
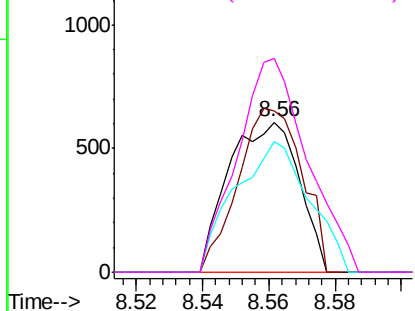
#47
Tetrachloroethene
Concen: 0.194 ug/L
RT: 8.56 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VU039444.D
Acq: 10 Jul 2020 20:43

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 894
Ion Ratio Lower Upper
164 100
129 107.2 68.6 127.4
131 86.8 66.4 123.4
166 142.3 85.9 159.5

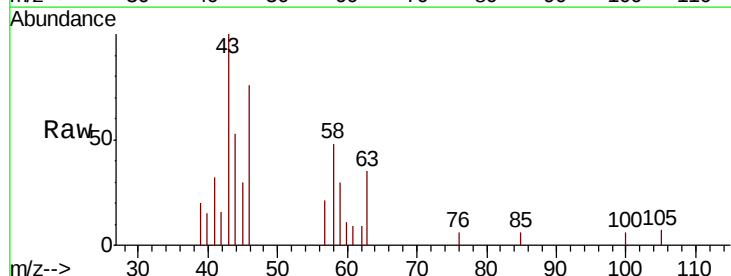


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

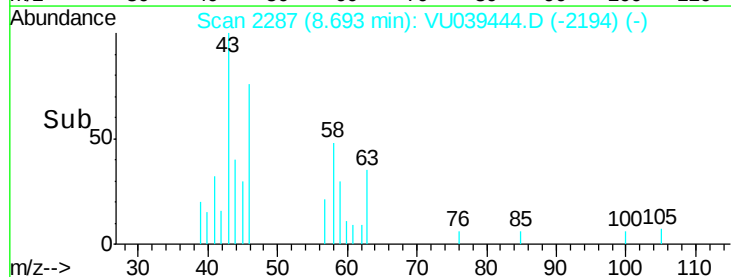
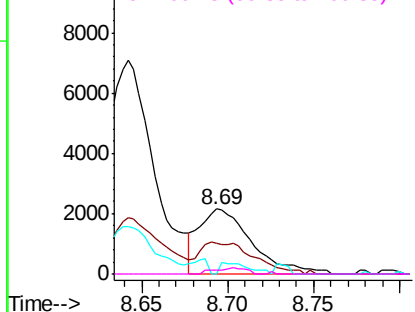


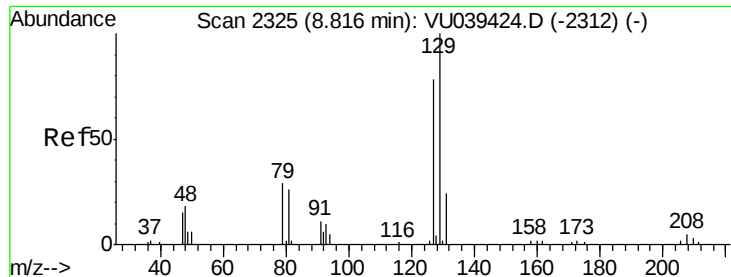
#48
2-Hexanone
Concen: 1.066 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VU039444.D
Acq: 10 Jul 2020 20:43

Tgt Ion: 43 Resp: 4589
Ion Ratio Lower Upper
43 100
58 51.1 42.0 63.0
57 9.0 14.0 21.0#
100 5.7 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: 0.146 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU039444.D

Acq: 10 Jul 2020 20:43

Instrument :

MSVOA_U

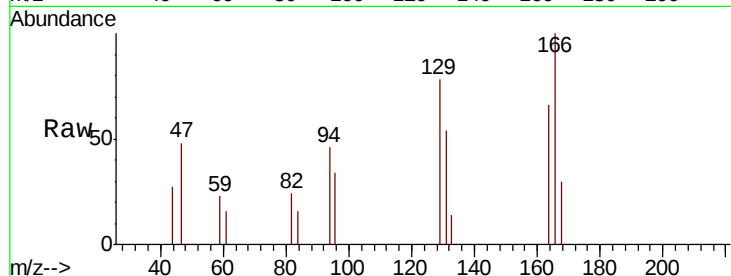
ClientSampleId :

Tot Ion:129 Resp: 889

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

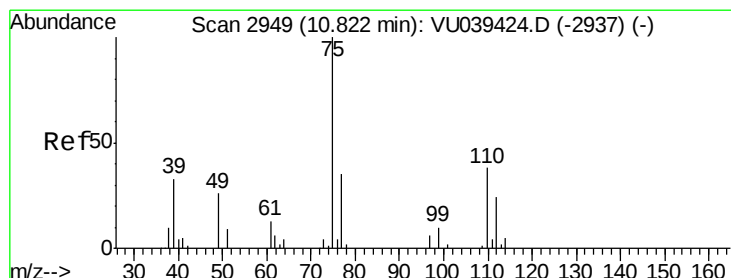
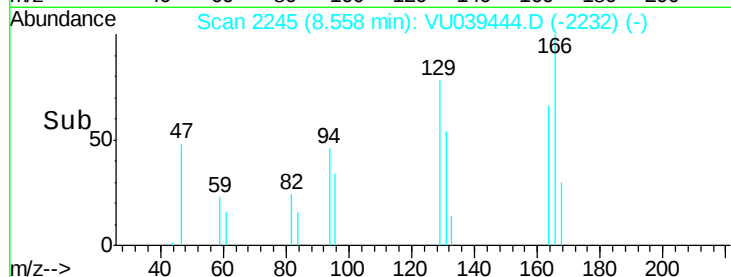
600

400

200

0

Time--> 8.52 8.54 8.56 8.58



#59

1,2,3-Trichloropropane

Concen: 1.308 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039444.D

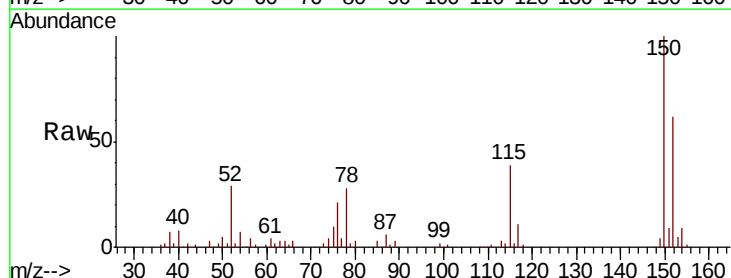
Acq: 10 Jul 2020 20:43

Tgt Ion: 75 Resp: 6750

Ion Ratio Lower Upper

75 100

77 35.6 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

4000

3000

2000

1000

0

Time--> 11.75 11.80 11.85

