

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070820\
 Data File : VU039381.D
 Acq On : 09 Jul 2020 05:25
 Operator : SY/MD
 Sample : L3244-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4B10

Quant Time: Jul 09 05:55:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 09 05:48:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	100657	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	93541	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44490	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	28865	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.92	69	31682	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.58	63	44942	3.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.40%
20) 2-Butanone-d5	4.65	46	146899	55.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.06%
24) Chloroform-d	5.09	84	64646	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.72	65	42551	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.75	84	130014	5.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.40%
36) 1,2-Dichloropropane-d6	6.71	67	43362	5.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.60%
41) Toluene-d8	7.91	98	112237	5.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.00%
43) trans-1,3-Dichloropropene-	8.19	79	17436	4.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.80%
46) 2-Hexanone-d5	8.64	63	107200	51.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.46%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	39838	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	44982	5.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.20%

Target Compounds

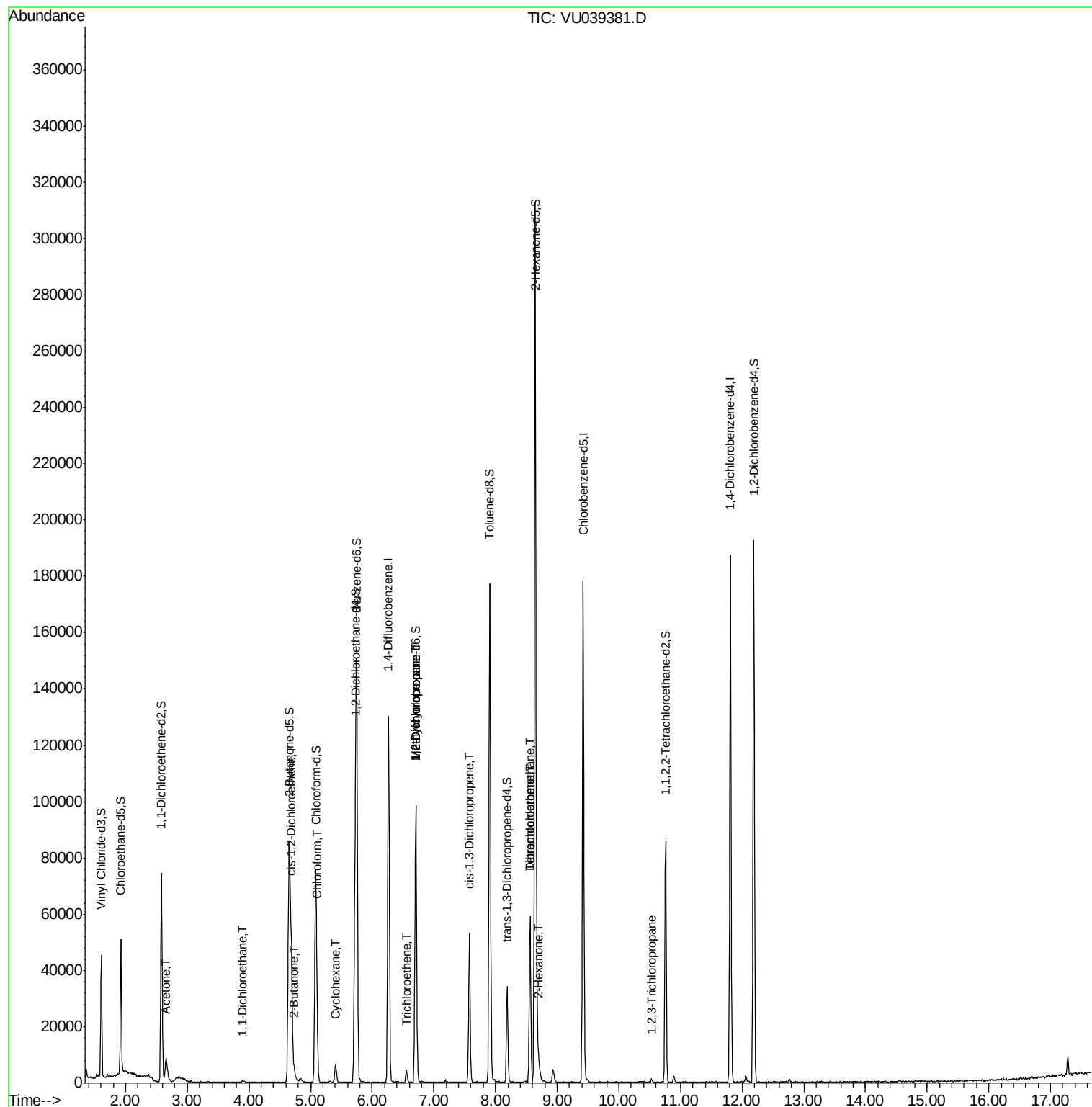
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.66	43	13748	9.542	ug/L	98
19) 1,1-Dichloroethane	3.89	63	1049	0.081	ug/L #	87
21) 2-Butanone	4.74	43	4191	1.630	ug/L	92
22) cis-1,2-Dichloroethene	4.69	96	13194	1.776	ug/L	89
25) Chloroform	5.11	83	4339	0.331	ug/L	90
30) Cyclohexane	5.41	56	3279	0.283	ug/L #	93
34) Trichloroethene	6.56	95	1035	0.143	ug/L	81
35) Methylcyclohexane	6.70	83	9693	0.837	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5127	0.672	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1445	0.125	ug/L	83
47) Tetrachloroethene	8.56	164	11479	2.282	ug/L	96
48) 2-Hexanone	8.70	43	5289	1.128	ug/L #	86
49) Dibromochloromethane	8.56	129	11368	1.714	ug/L #	10
59) 1,2,3-Trichloropropane	10.53	75	576	0.103	ug/L #	41

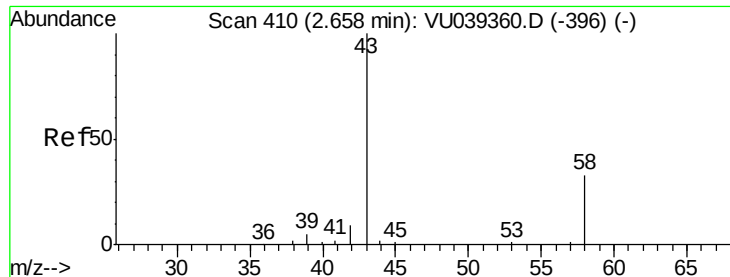
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 09 05:48:41 2020
Response via : Initial Calibration





#13

Acetone

Concen: 9.542 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU039381.D

Acq: 09 Jul 2020 05:25

Instrument :

MSVOA_U

ClientSampleId :

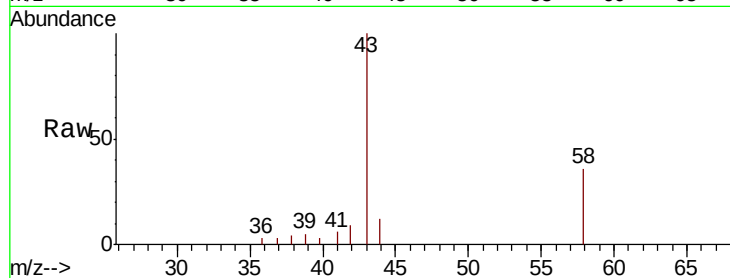
F4B10

Tot Ion: 43 Resp: 13748

Ion Ratio Lower Upper

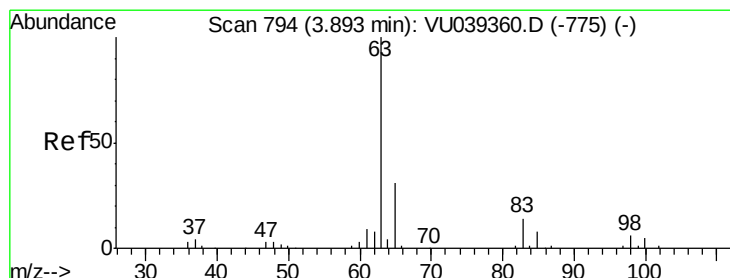
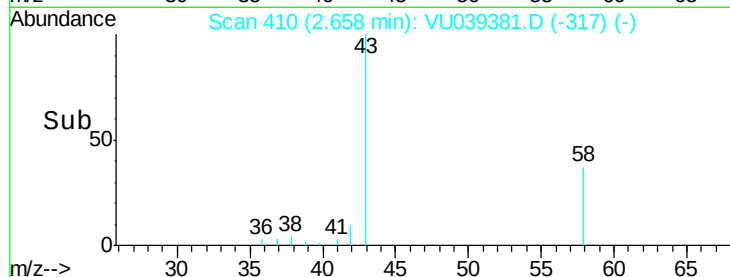
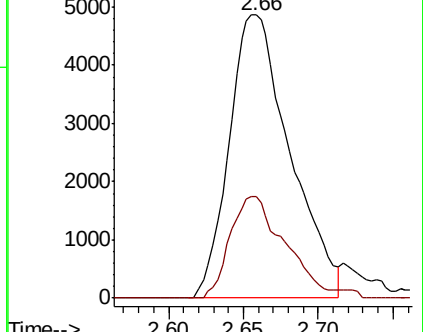
43 100

58 32.6 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039381.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU039381.D (-317) (-)



#19

1,1-Dichloroethane

Concen: 0.081 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039381.D

Acq: 09 Jul 2020 05:25

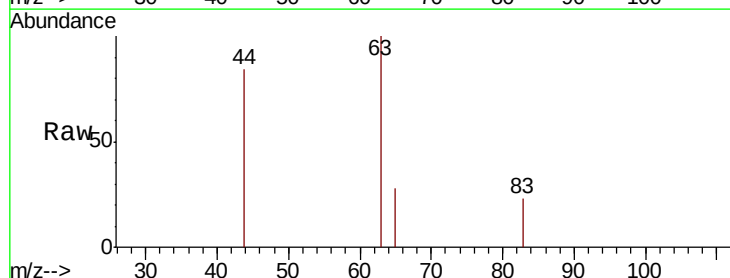
Tgt Ion: 63 Resp: 1049

Ion Ratio Lower Upper

63 100

65 27.9 23.0 42.6

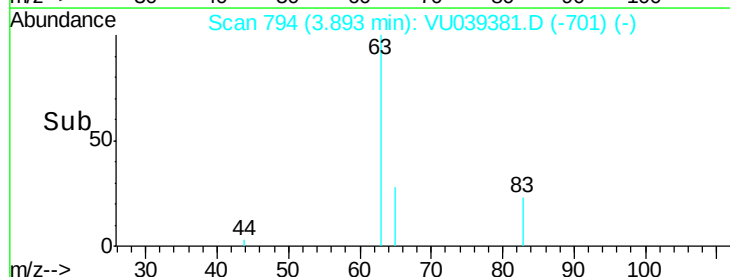
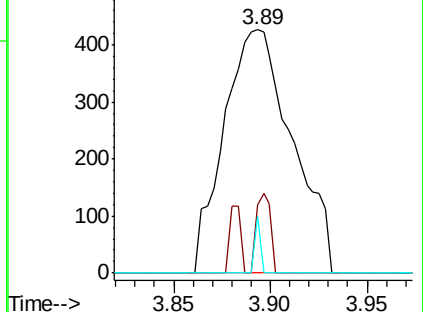
83 23.4 9.6 17.8#

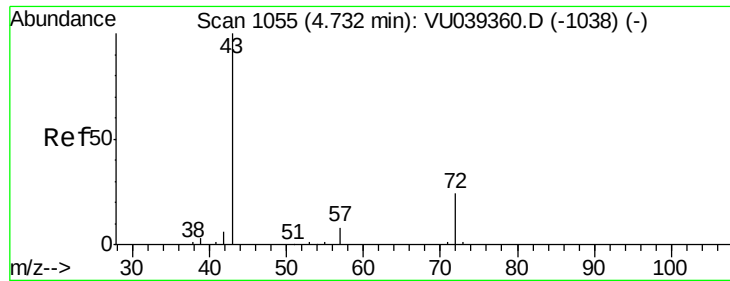


Abundance Ion 63.10 (62.80 to 63.80): VU039381.D (-701) (-)

Ion 65.10 (64.80 to 65.80): VU039381.D (-701) (-)

Ion 83.05 (82.75 to 83.75): VU039381.D (-701) (-)





#21

2-Butanone

Concen: 1.630 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VU039381.D

Acq: 09 Jul 2020 05:25

Instrument :

MSVOA_U

ClientSampled :

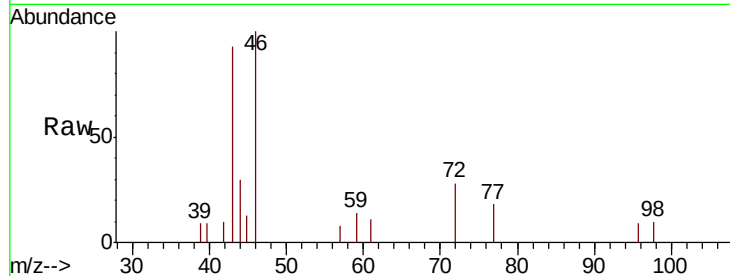
F4B10

Tot Ion: 43 Resp: 4191

Ion Ratio Lower Upper

43 100

72 22.1 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU039381.D (-962) (-)

Ion 72.10 (71.80 to 72.80): VU039381.D (-962) (-)

4.74

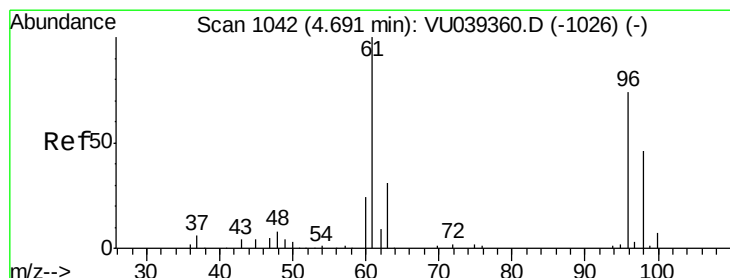
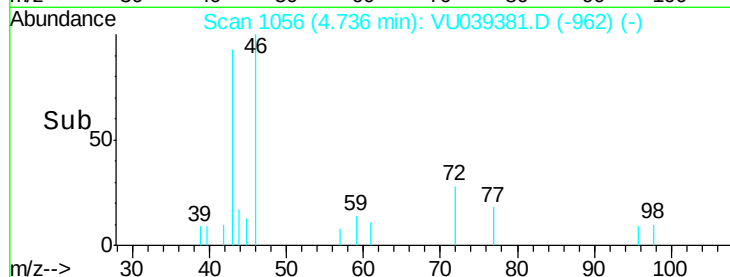
1500

1000

500

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 1.776 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039381.D

Acq: 09 Jul 2020 05:25

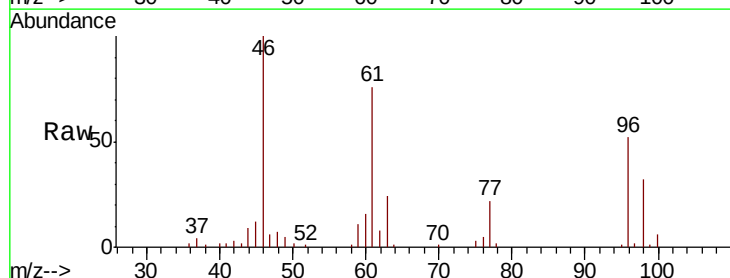
Tgt Ion: 96 Resp: 13194

Ion Ratio Lower Upper

96 100

61 145.3 92.8 172.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039381.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU039381.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU039381.D (-949) (-)

12000

10000

8000

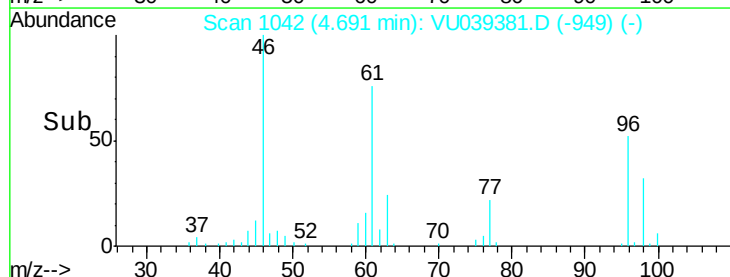
6000

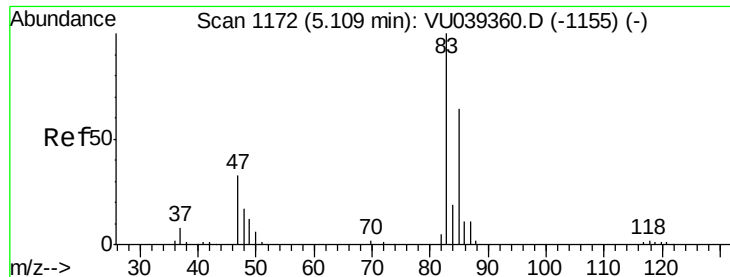
4000

2000

0

Time-->

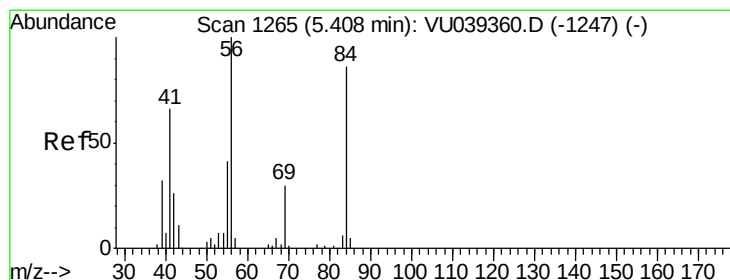
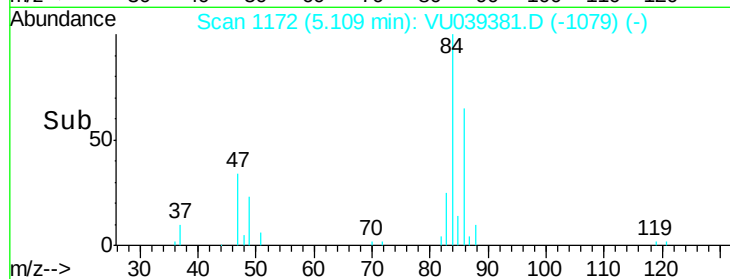
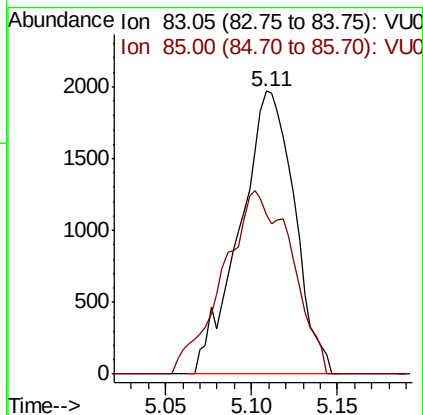
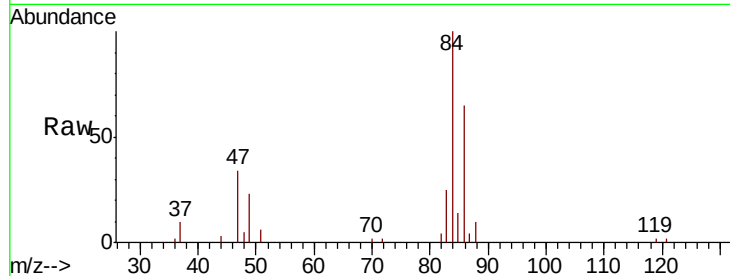




#25
Chloroform
Concen: 0.331 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039381.D
Acq: 09 Jul 2020 05:25

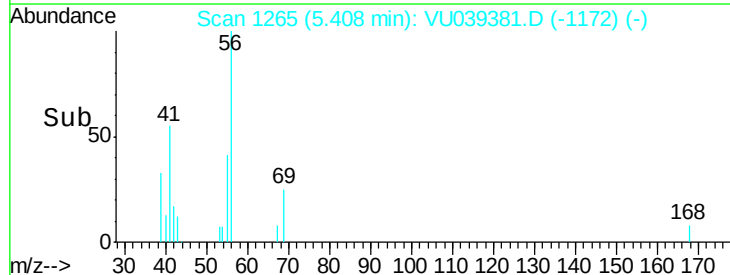
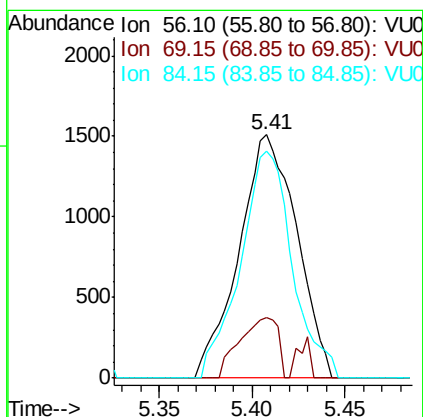
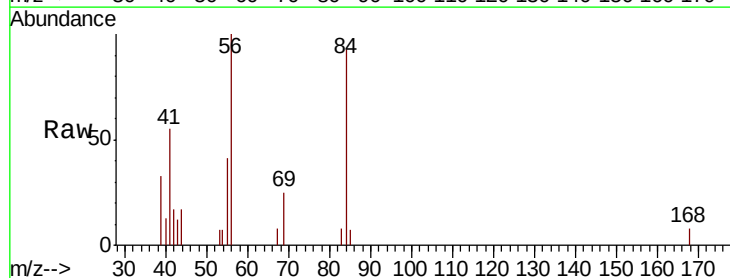
Instrument :
MSVOA_U
ClientSampleId :
F4B10

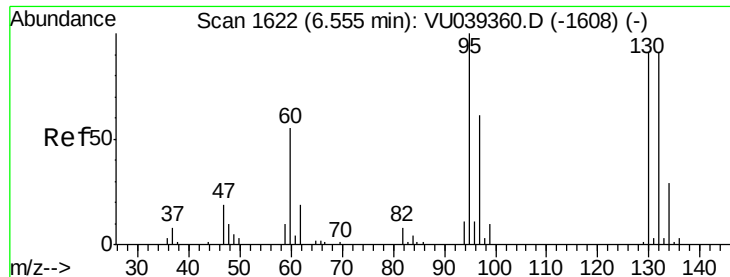
Tot Ion: 83 Resp: 4339
Ion Ratio Lower Upper
83 100
85 56.4 44.9 83.5



#30
Cyclohexane
Concen: 0.283 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU039381.D
Acq: 09 Jul 2020 05:25

Tgt Ion: 56 Resp: 3279
Ion Ratio Lower Upper
56 100
69 16.5 24.1 36.1#
84 83.9 67.0 100.6





#34

Trichloroethene

Concen: 0.143 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039381.D

Acq: 09 Jul 2020 05:25

Instrument :

MSVOA_U

ClientSampleId :

F4B10

Tot Ion: 95 Resp: 1035

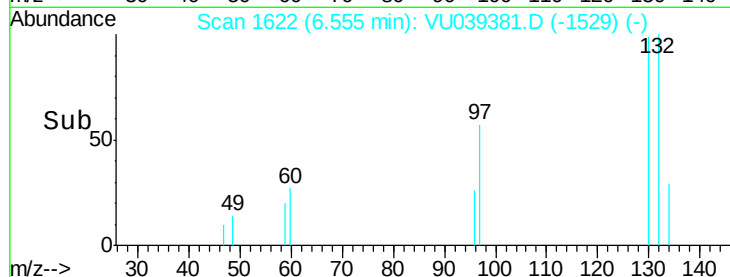
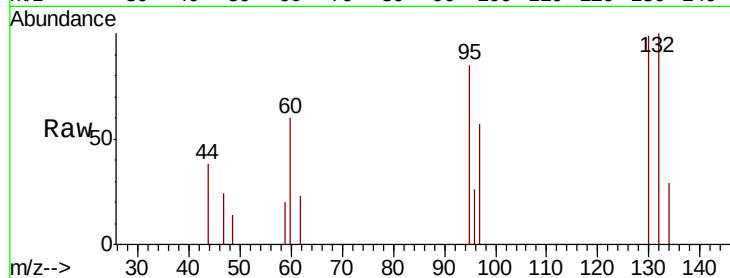
Ion Ratio Lower Upper

95 100

97 66.6 46.3 85.9

132 117.2 64.0 118.8

130 115.9 64.3 119.5

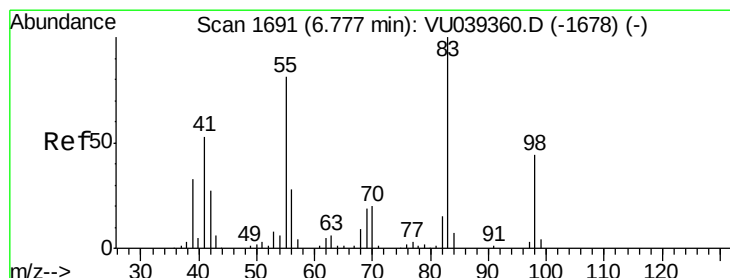
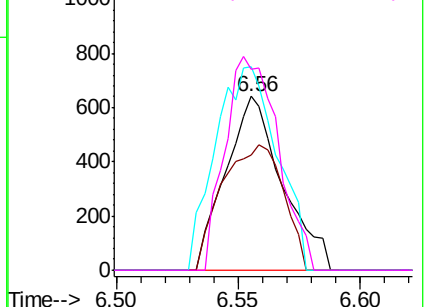


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.837 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU039381.D

Acq: 09 Jul 2020 05:25

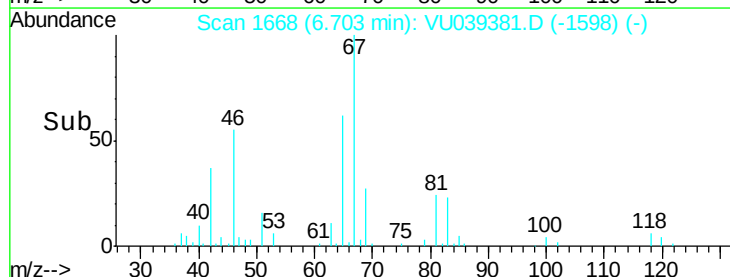
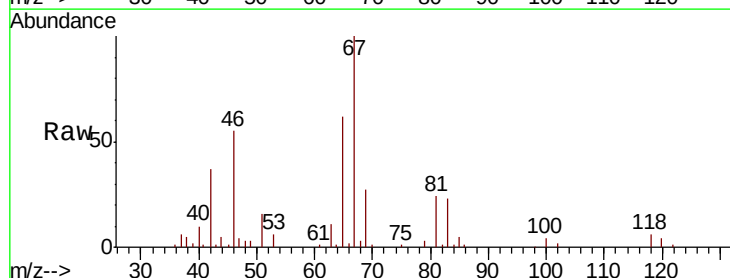
Tgt Ion: 83 Resp: 9693

Ion Ratio Lower Upper

83 100

55 0.0 62.1 93.1#

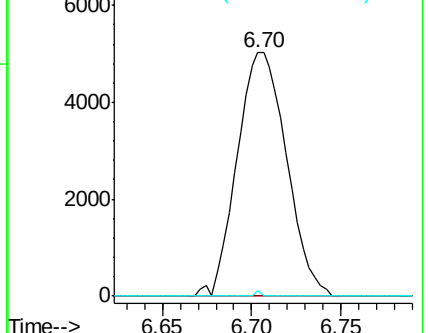
98 0.2 35.9 53.9#

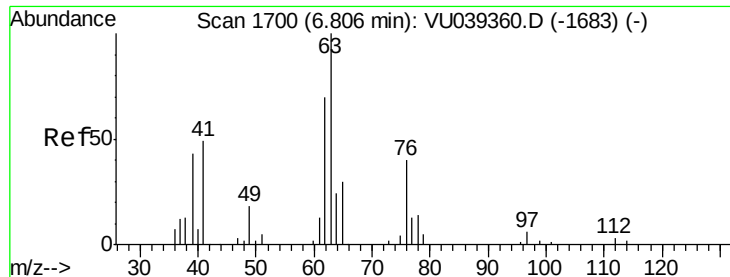


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

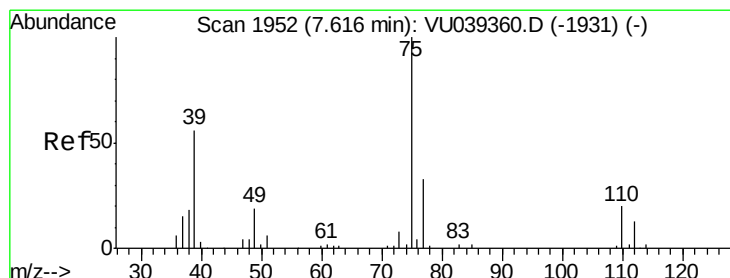
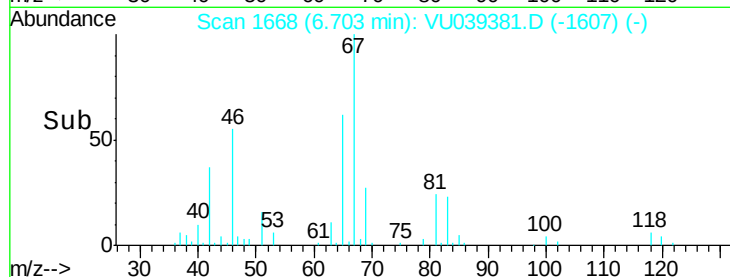
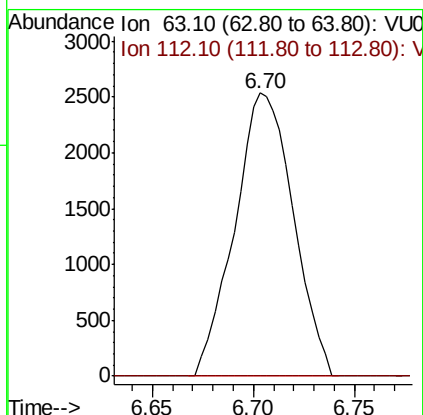
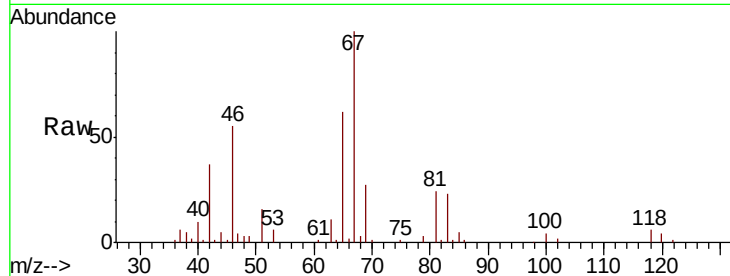




#37
 1,2-Dichloropropane
 Concen: 0.672 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU039381.D
 Acq: 09 Jul 2020 05:25

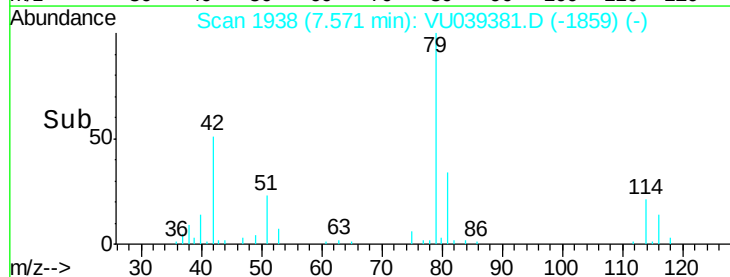
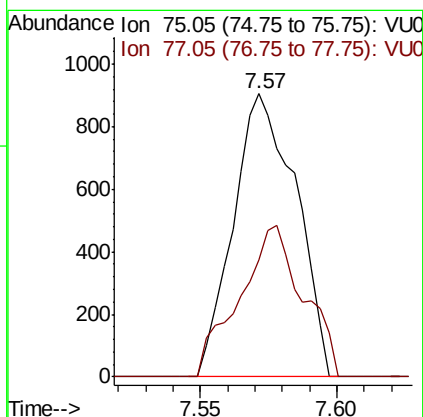
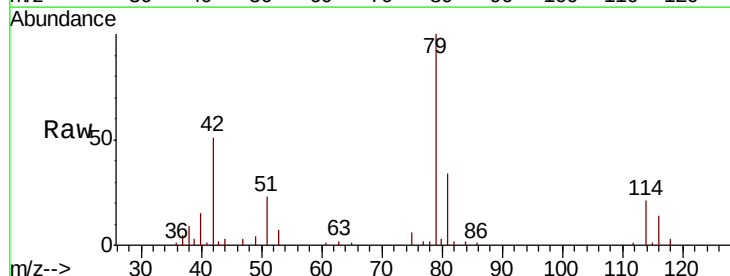
Instrument :
 MSVOA_U
 ClientSampleId :
 F4B10

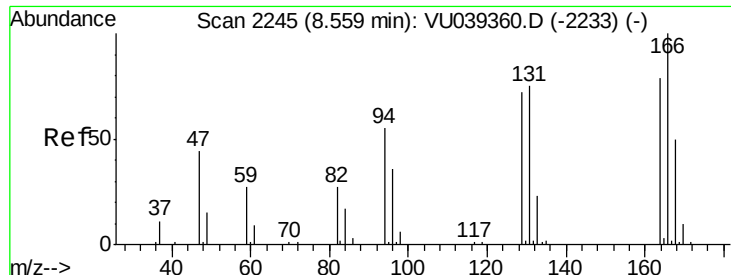
Tot Ion: 63 Resp: 5127
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.125 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU039381.D
 Acq: 09 Jul 2020 05:25

Tgt Ion: 75 Resp: 1445
 Ion Ratio Lower Upper
 75 100
 77 41.3 22.3 41.3





#47

Tetrachloroethene

Concen: 2.282 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039381.D

Acq: 09 Jul 2020 05:25

Instrument :

MSVOA_U

ClientSampled :

F4B10

Tot Ion:164 Resp: 11479

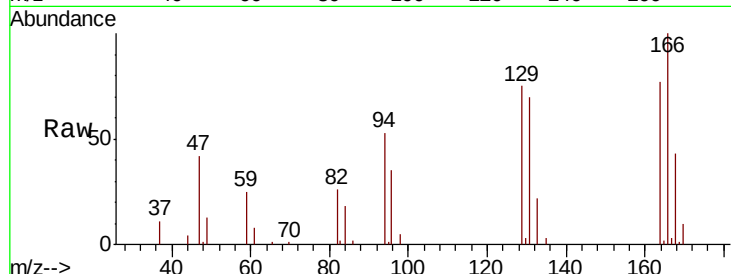
Ion Ratio Lower Upper

164 100

129 97.2 68.6 127.4

131 90.6 66.4 123.4

166 129.2 85.9 159.5

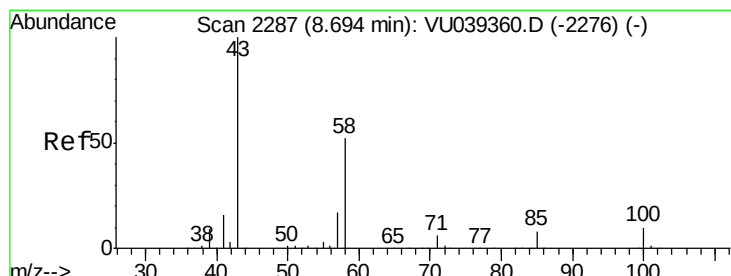
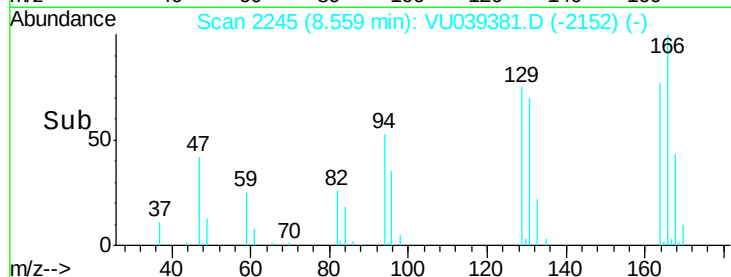
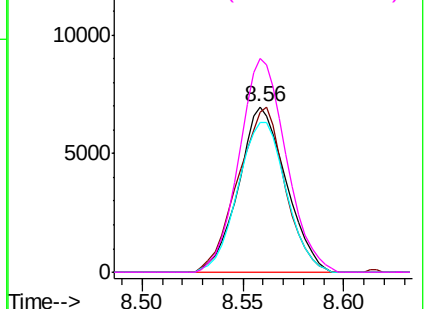


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.128 ug/L

RT: 8.70 min Scan# 2288

Delta R.T. 0.00 min

Lab File: VU039381.D

Acq: 09 Jul 2020 05:25

Tgt Ion: 43 Resp: 5289

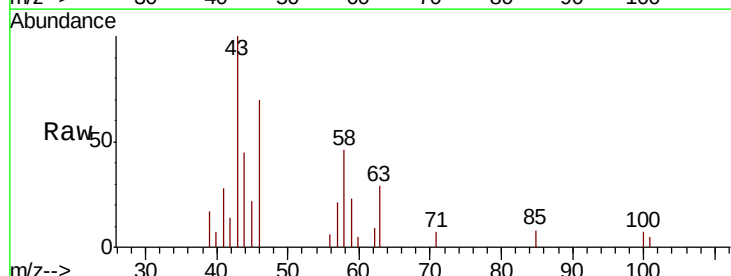
Ion Ratio Lower Upper

43 100

58 41.7 42.0 63.0#

57 13.6 14.0 21.0#

100 2.9 8.2 12.2#

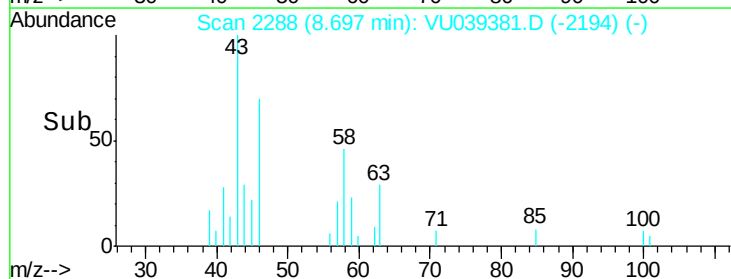
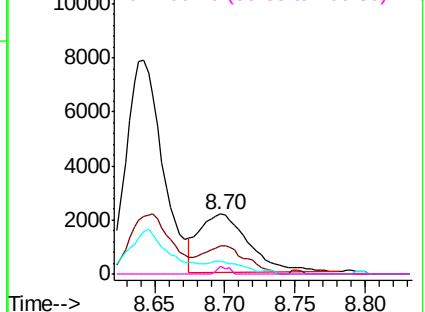


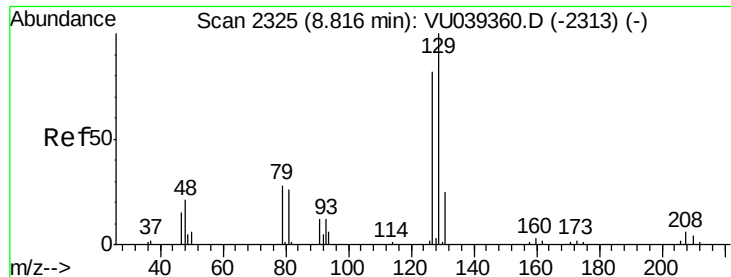
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 1.714 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU039381.D

Acq: 09 Jul 2020 05:25

Instrument :

MSVOA_U

ClientSampleId :

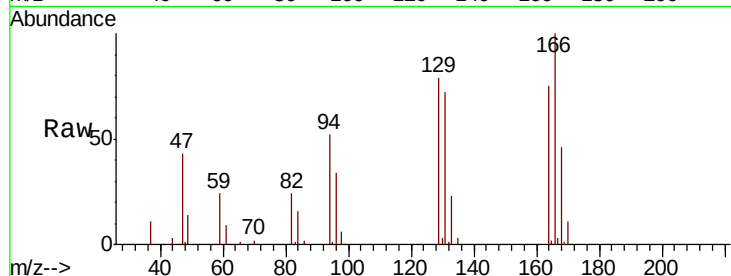
F4B10

Tot Ion:129 Resp: 11368

Ion Ratio Lower Upper

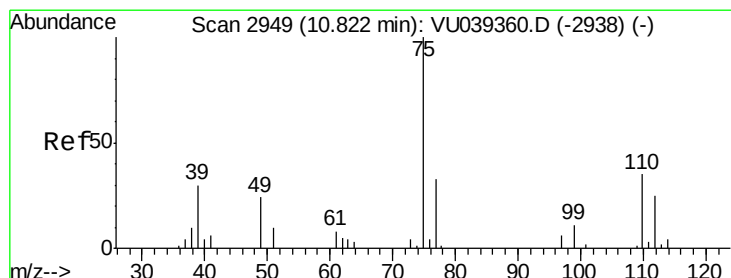
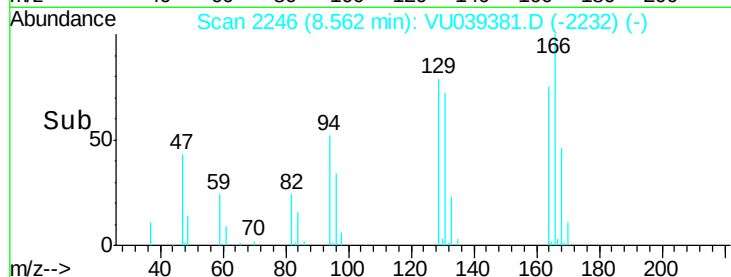
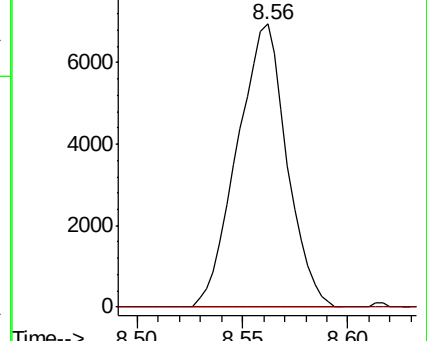
129 100

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



#59

1,2,3-Trichloropropane

Concen: 0.103 ug/L

RT: 10.53 min Scan# 2857

Delta R.T. -0.30 min

Lab File: VU039381.D

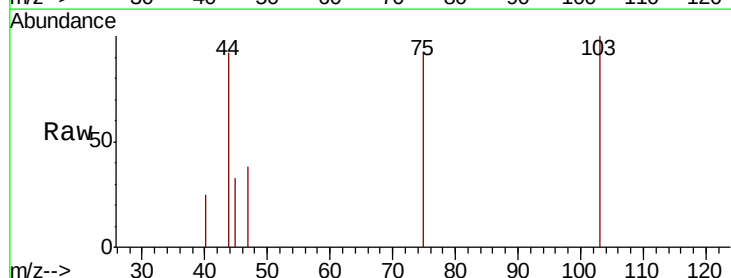
Acq: 09 Jul 2020 05:25

Tgt Ion: 75 Resp: 576

Ion Ratio Lower Upper

75 100

77 0.0 26.8 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

