

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061720\
 Data File : VU038958.D
 Acq On : 17 Jun 2020 20:44
 Operator : SY/MD
 Sample : L3040-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9L36

Quant Time: Jun 18 04:12:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 18 04:07:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	261236	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	271046	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	119491	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	86912	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.93	69	75555	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.59	63	149991	4.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.60%
20) 2-Butanone-d5	4.71	46	384713	66.29	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.58%#
24) Chloroform-d	5.10	84	188241	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.74	65	115638	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.20%
32) Benzene-d6	5.76	84	360748	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.72	67	116132	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.92	98	290779	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	8.20	79	48375	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.66	63	313407	59.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.54%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108114	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	122519	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
5) Vinyl chloride	1.62	62	9174	0.374	ug/L #	80
8) Chloroethane	1.96	64	16111	1.034	ug/L #	55
12) 1,1-Dichloroethene	2.60	96	1690	0.092	ug/L #	1
13) Acetone	2.70	43	6151	1.555	ug/L	86
16) Methylene chloride	3.08	84	2516	0.119	ug/L	92
17) Methyl tert-butyl Ether	3.40	73	10460	0.217	ug/L #	85
18) trans-1,2-Dichloroethene	3.39	96	11797	0.612	ug/L	86
22) cis-1,2-Dichloroethene	4.71	96	2405888	121.514	ug/L	99
34) Trichloroethene	6.57	95	164238	7.995	ug/L	96
35) Methylcyclohexane	6.72	83	28444	0.873	ug/L #	19
37) 1,2-Dichloropropane	6.72	63	13872	0.656	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	3598	0.116	ug/L #	72
47) Tetrachloroethene	8.57	164	39751	2.497	ug/L	96
48) 2-Hexanone	8.66	43	40288	3.650	ug/L #	67
49) Dibromochloromethane	8.57	129	38248	2.034	ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	15049	0.923	ug/L	89

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QLast Update : Thu Jun 18 04:07:55 2020
Response via : Initial Calibration

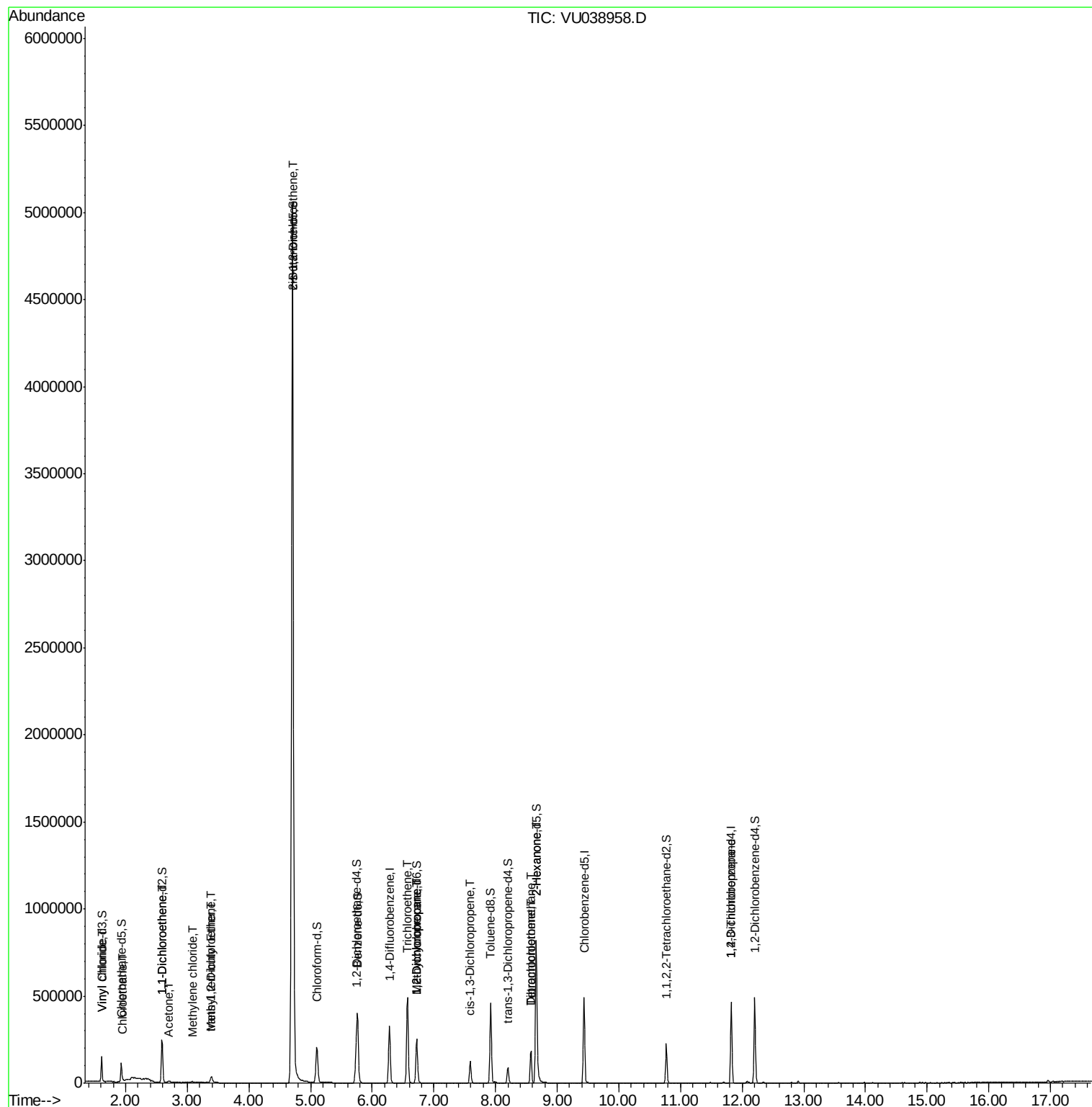
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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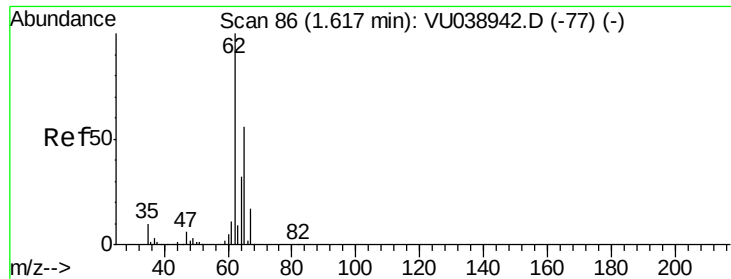
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.374 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038958.D

Acq: 17 Jun 2020 20:44

Instrument :

MSVOA_U

ClientSampleId :

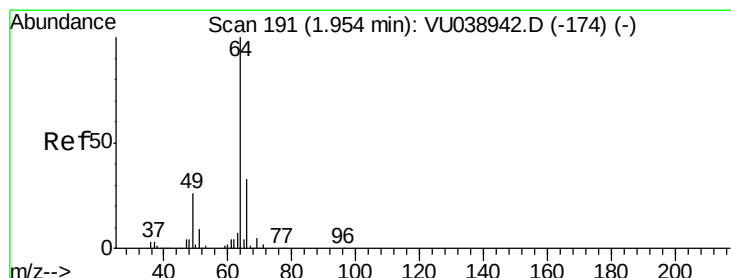
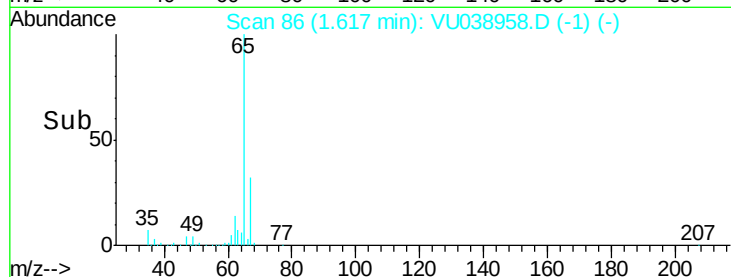
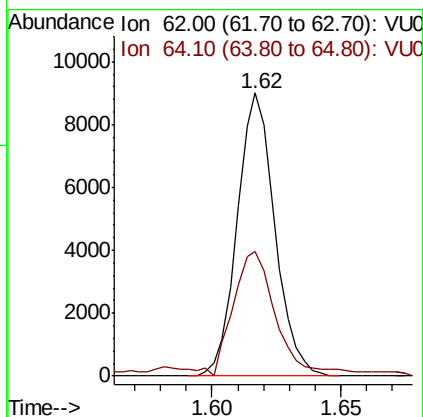
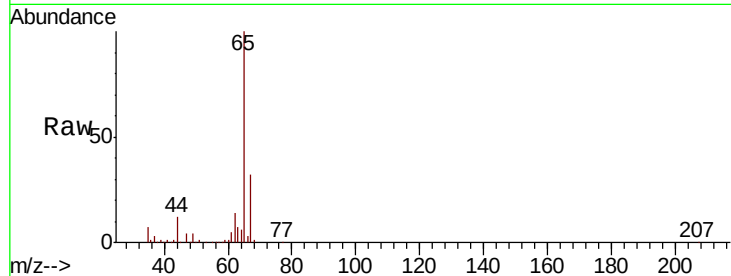
F9L36

Tot Ion: 62 Resp: 9174

Ion Ratio Lower Upper

62 100

64 44.2 23.1 42.9#



#8

Chloroethane

Concen: 1.034 ug/L

RT: 1.96 min Scan# 193

Delta R.T. 0.01 min

Lab File: VU038958.D

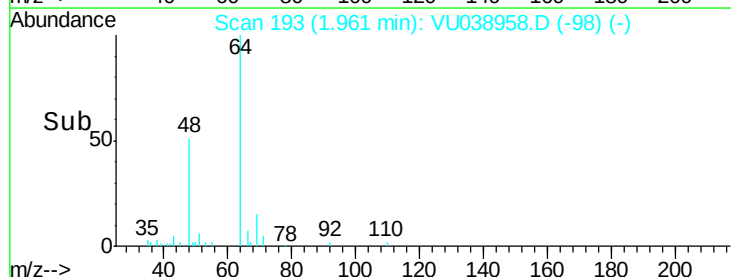
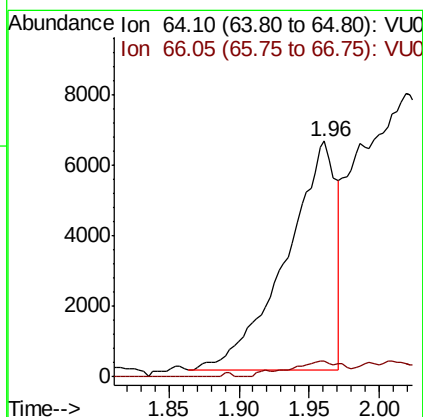
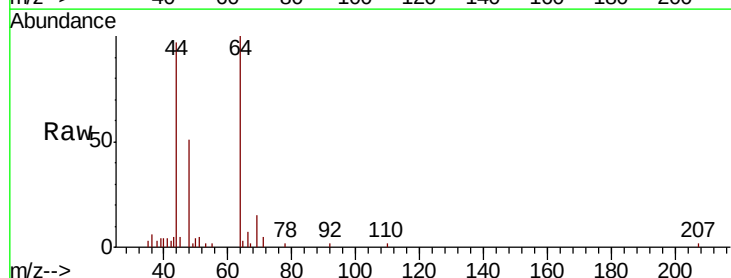
Acq: 17 Jun 2020 20:44

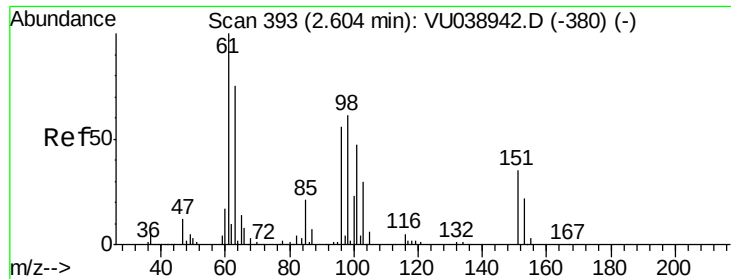
Tgt Ion: 64 Resp: 16111

Ion Ratio Lower Upper

64 100

66 6.5 22.1 41.1#

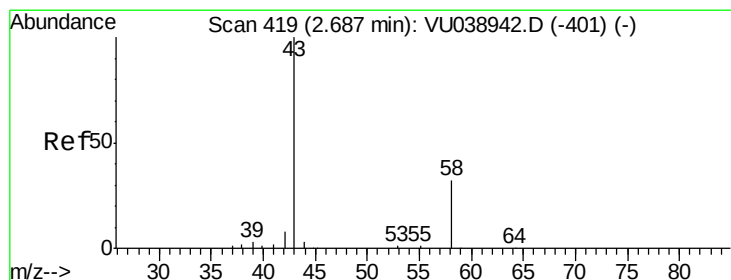
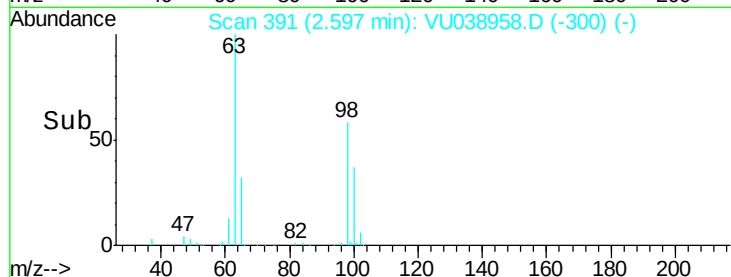
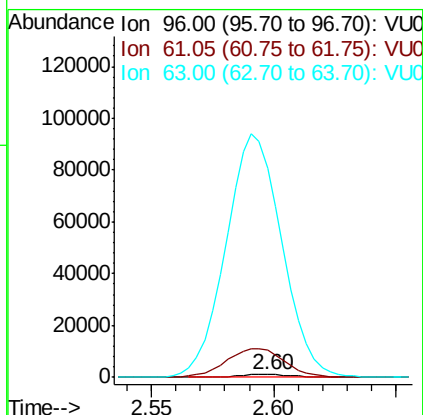
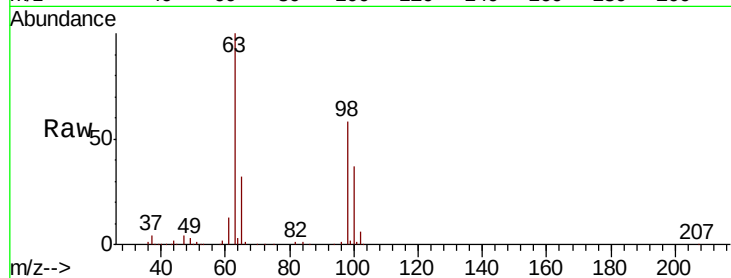




#12
 1,1-Dichloroethene
 Concen: 0.092 ug/L
 RT: 2.60 min Scan# 391
 Delta R.T. -0.01 min
 Lab File: VU038958.D
 Acq: 17 Jun 2020 20:44

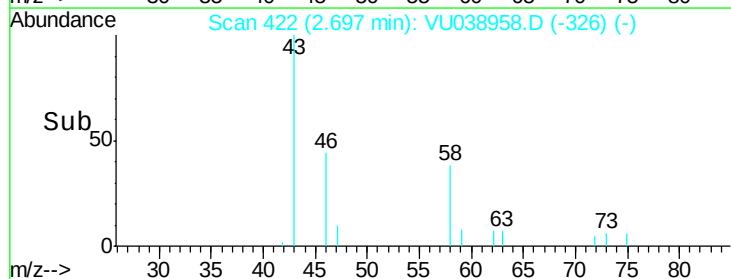
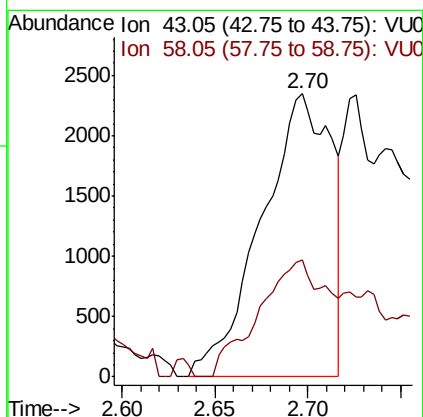
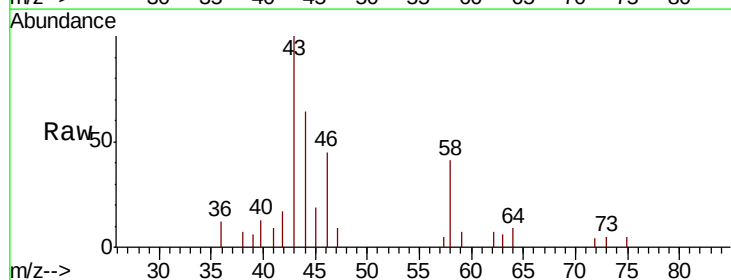
Instrument :
 MSVOA_U
 ClientSampleId :
 F9L36

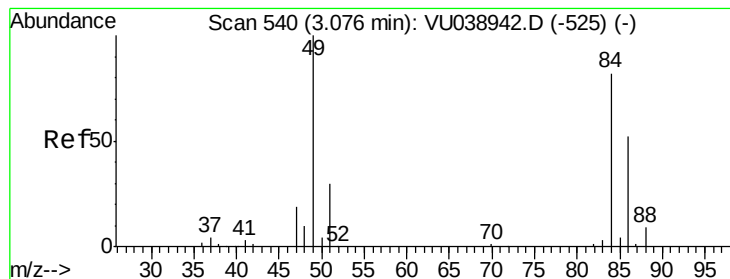
Tot Ion: 96 Resp: 1690
 Ion Ratio Lower Upper
 96 100
 61 987.5 120.3 223.5#
 63 7681.2 78.7 146.1#



#13
 Acetone
 Concen: 1.555 ug/L
 RT: 2.70 min Scan# 422
 Delta R.T. 0.01 min
 Lab File: VU038958.D
 Acq: 17 Jun 2020 20:44

Tgt Ion: 43 Resp: 6151
 Ion Ratio Lower Upper
 43 100
 58 40.6 0.0 65.0





#16

Methylene chloride

Concen: 0.119 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.01 min

Lab File: VU038958.D

Acq: 17 Jun 2020 20:44

Instrument :

MSVOA_U

ClientSampleId :

F9L36

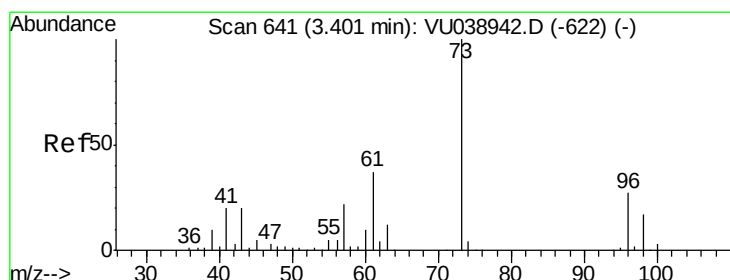
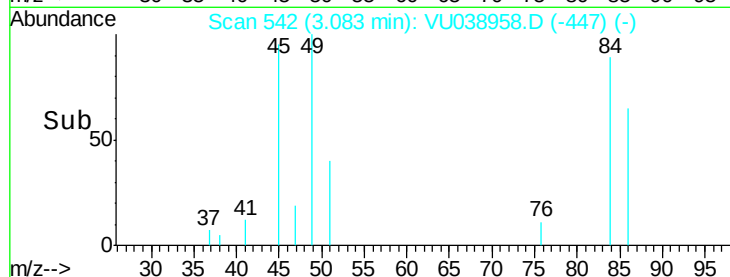
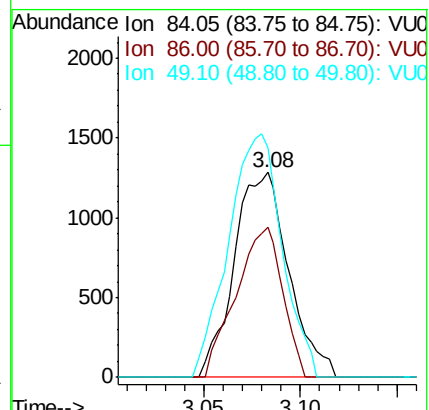
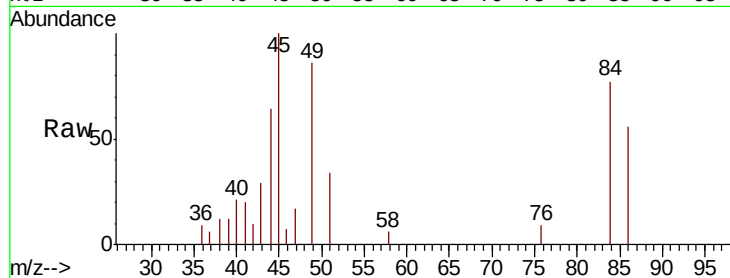
Tot Ion: 84 Resp: 2516

Ion Ratio Lower Upper

84 100

86 73.1 45.1 83.7

49 111.8 83.7 155.4



#17

Methyl tert-butyl Ether

Concen: 0.217 ug/L

RT: 3.40 min Scan# 641

Delta R.T. 0.00 min

Lab File: VU038958.D

Acq: 17 Jun 2020 20:44

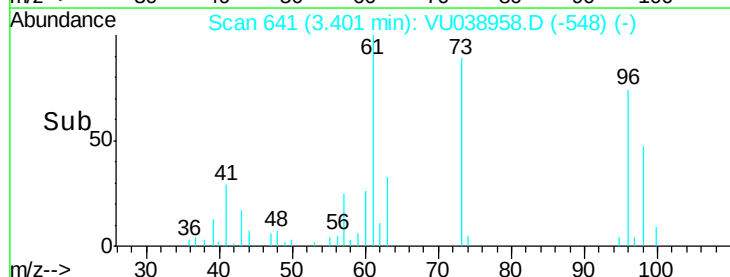
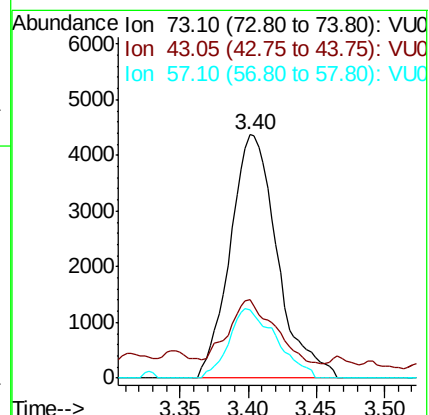
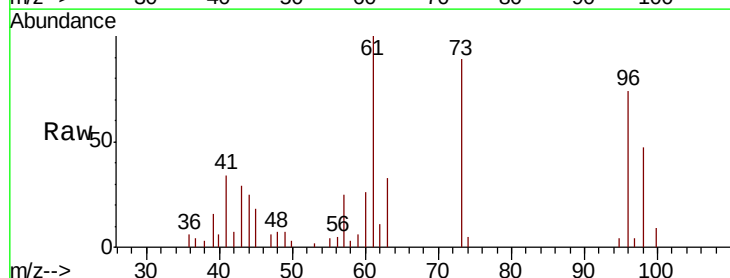
Tgt Ion: 73 Resp: 10460

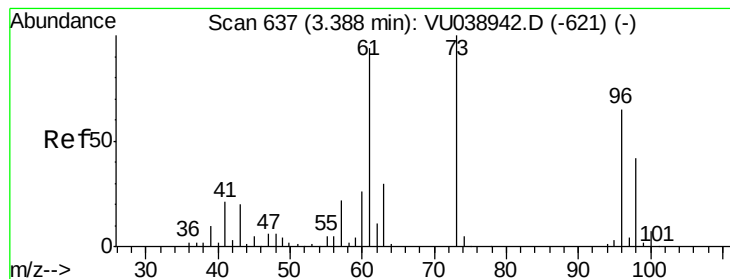
Ion Ratio Lower Upper

73 100

43 28.7 17.0 25.4#

57 28.8 17.7 26.5#





#18

trans-1,2-Dichloroethene

Concen: 0.612 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU038958.D

Acq: 17 Jun 2020 20:44

Instrument :

MSVOA_U

ClientSampleId :

F9L36

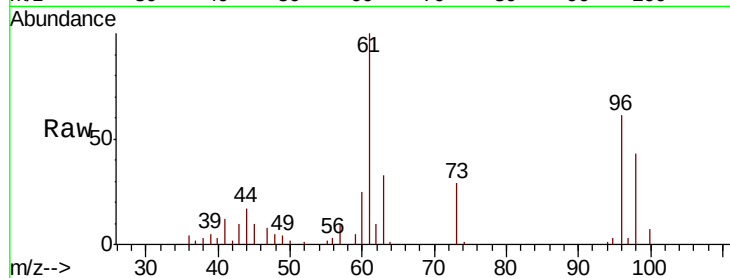
Tot Ion: 96 Resp: 11797

Ion Ratio Lower Upper

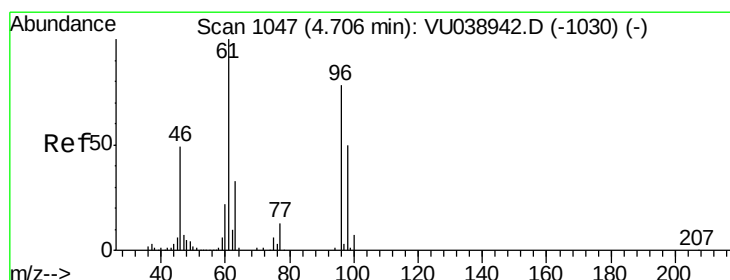
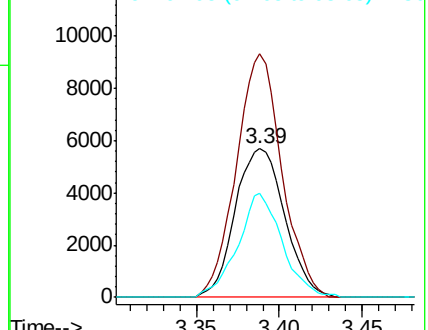
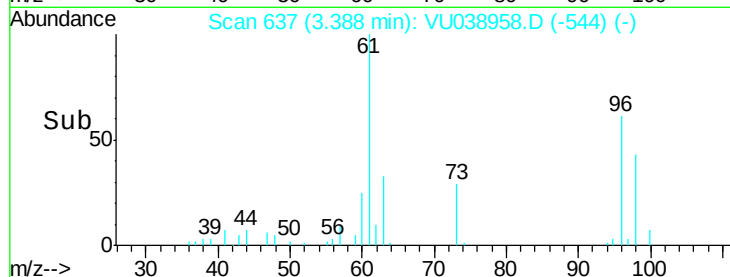
96 100

61 164.0 100.3 186.3

98 69.9 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU038958.D (-544) (-)



#22

cis-1,2-Dichloroethene

Concen: 121.514 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU038958.D

Acq: 17 Jun 2020 20:44

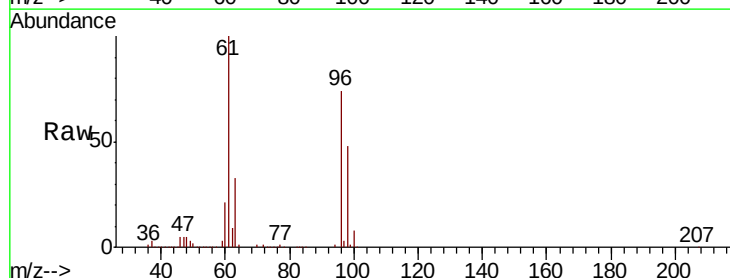
Tgt Ion: 96 Resp: 2405888

Ion Ratio Lower Upper

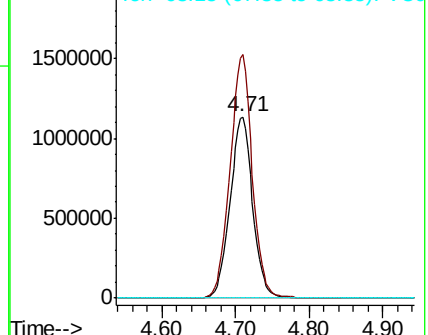
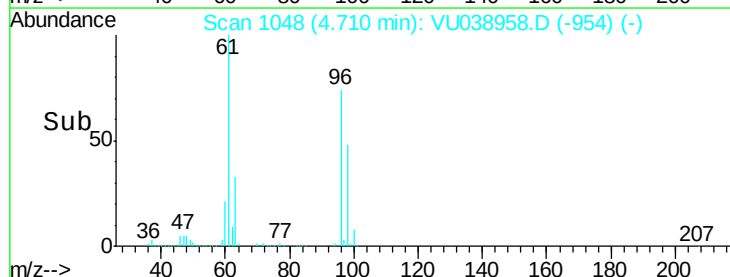
96 100

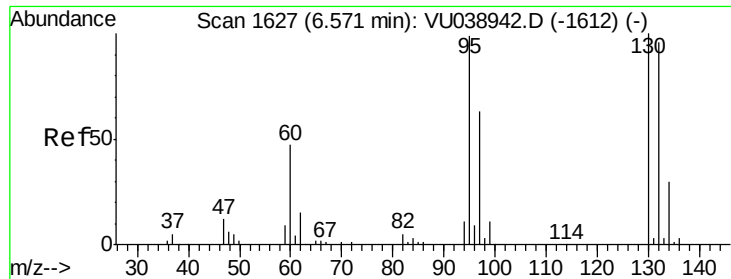
61 134.5 93.7 173.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038958.D (-954) (-)

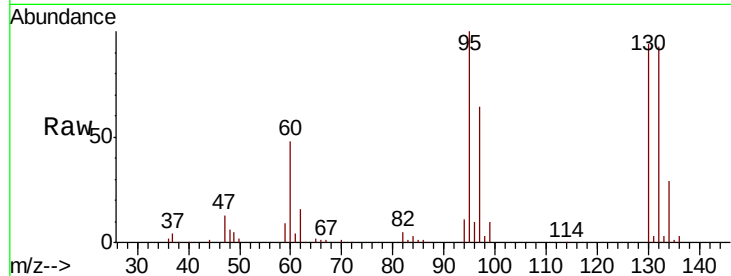




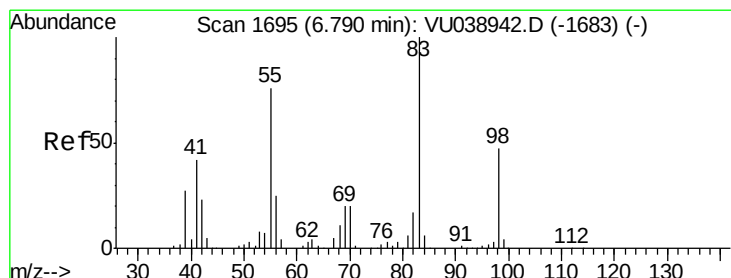
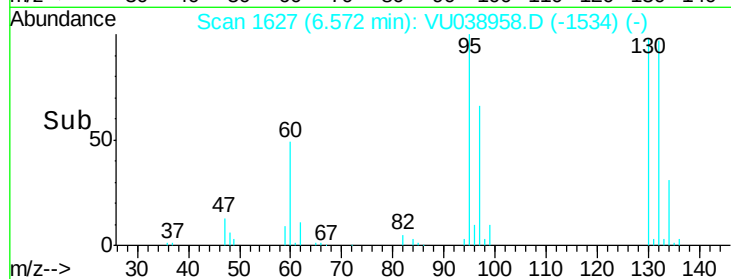
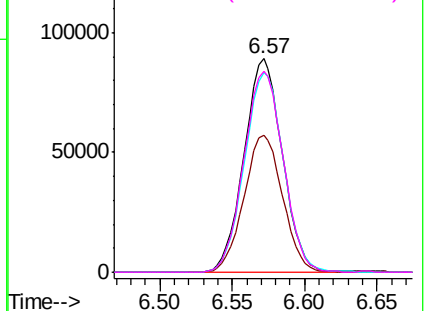
#34
 Trichloroethene
 Concen: 7.995 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038958.D
 Acq: 17 Jun 2020 20:44

Instrument :
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Tot Ion:	95	Resp:	164238
Ion	Ratio	Lower	Upper
95	100		
97	63.9	45.4	84.4
132	93.3	68.4	127.0
130	94.3	69.6	129.2

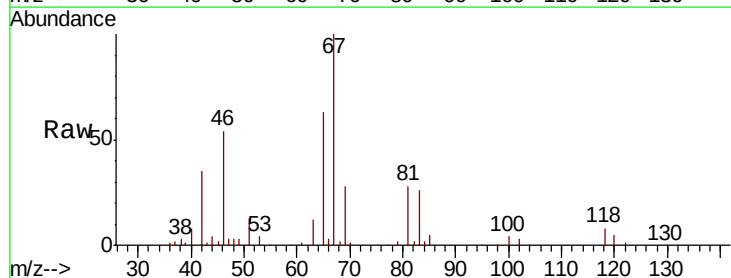


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

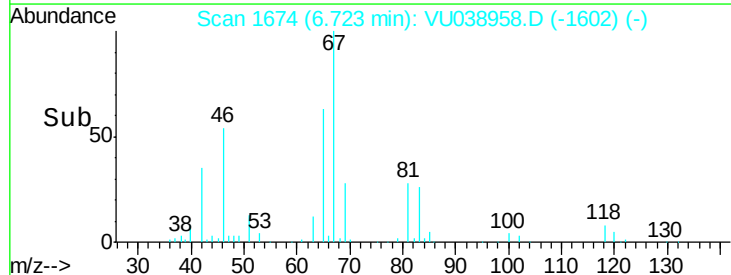
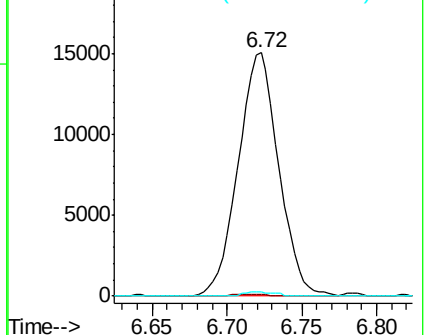


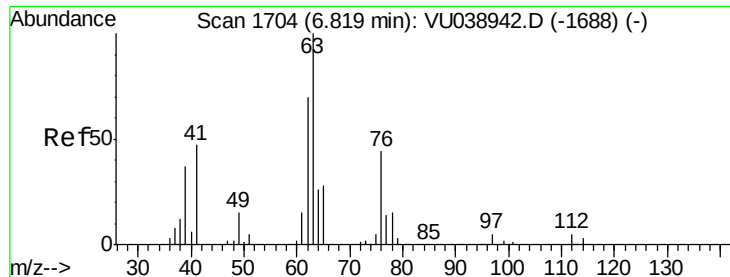
#35
 Methylcyclohexane
 Concen: 0.873 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU038958.D
 Acq: 17 Jun 2020 20:44

Tgt Ion:	83	Resp:	28444
Ion	Ratio	Lower	Upper
83	100		
55	0.7	61.8	92.8#
98	1.3	39.3	58.9#



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

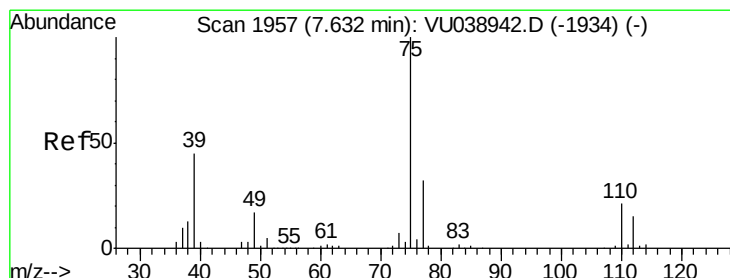
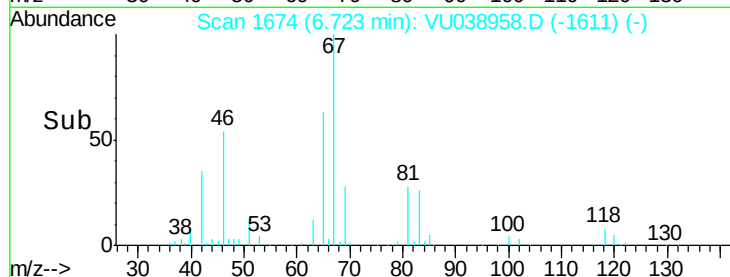
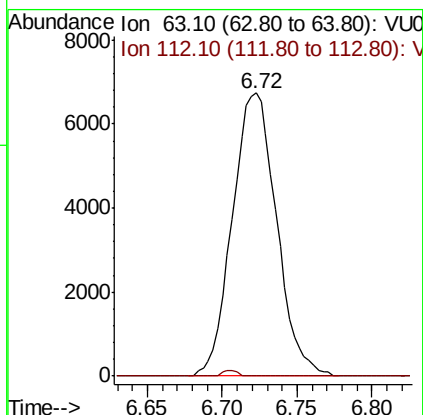
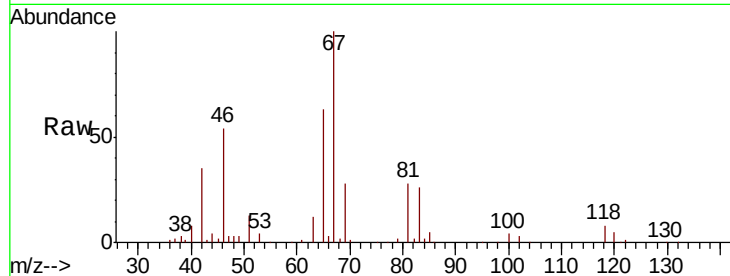




#37
 1,2-Dichloropropane
 Concen: 0.656 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU038958.D
 Acq: 17 Jun 2020 20:44

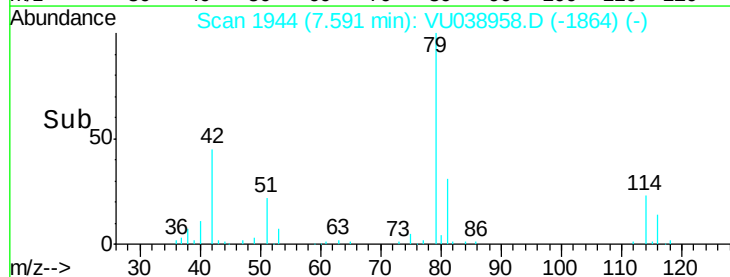
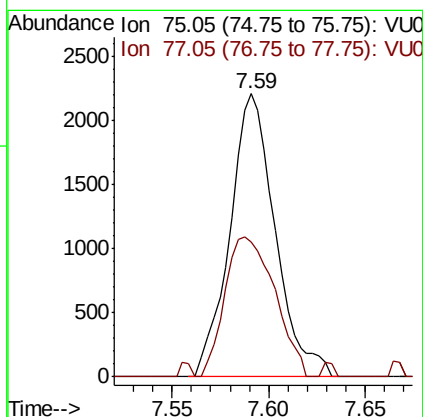
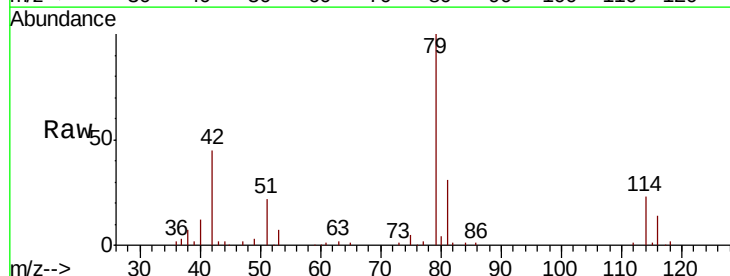
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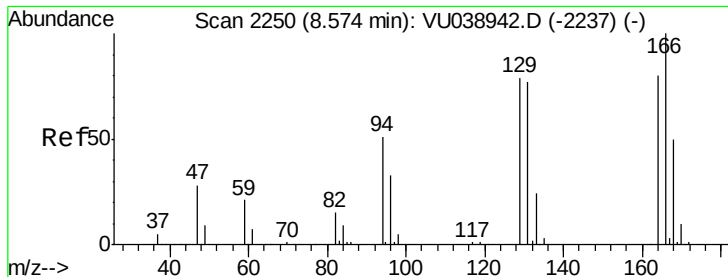
Tot Ion: 63 Resp: 13872
 Ion Ratio Lower Upper
 63 100
 112 0.7 3.9 5.9#



#39
 cis-1,3-Dichloropropene
 Concen: 0.116 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038958.D
 Acq: 17 Jun 2020 20:44

Tgt Ion: 75 Resp: 3598
 Ion Ratio Lower Upper
 75 100
 77 47.8 22.4 41.6#





#47

Tetrachloroethene

Concen: 2.497 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038958.D

Acq: 17 Jun 2020 20:44

Instrument :

MSVOA_U

ClientSampleId :

F9L36

Tot Ion:164 Resp: 39751

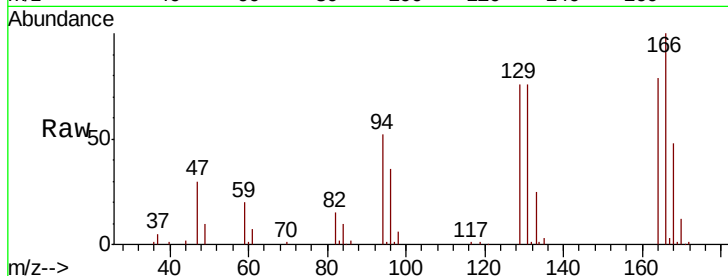
Ion Ratio Lower Upper

164 100

129 97.2 66.1 122.8

131 96.3 65.7 122.1

166 127.3 93.0 172.8

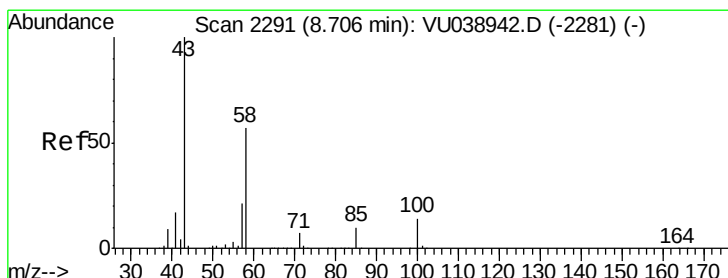
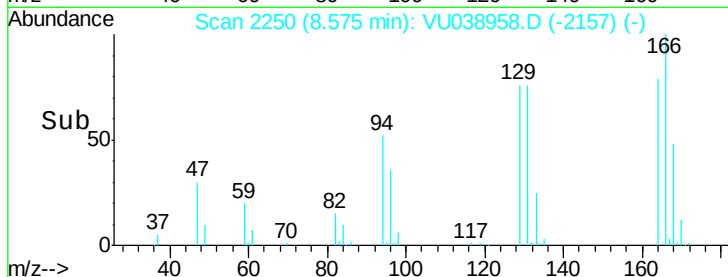
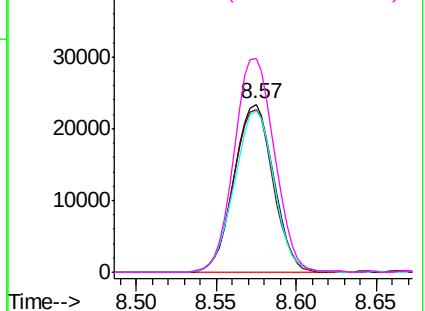


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.650 ug/L

RT: 8.66 min Scan# 2276

Delta R.T. -0.05 min

Lab File: VU038958.D

Acq: 17 Jun 2020 20:44

Tgt Ion: 43 Resp: 40288

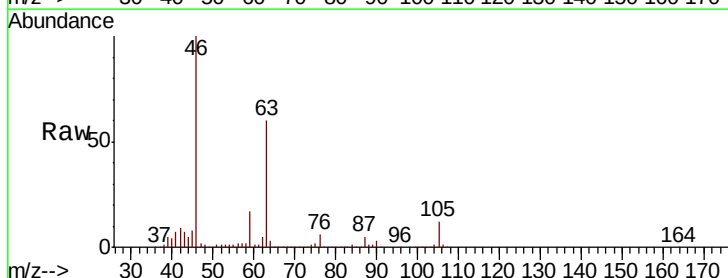
Ion Ratio Lower Upper

43 100

58 27.8 45.2 67.8#

57 27.2 16.1 24.1#

100 0.9 10.9 16.3#

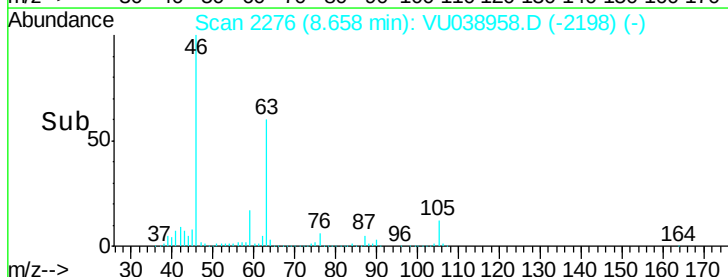
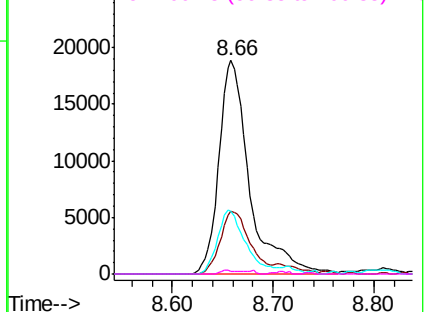


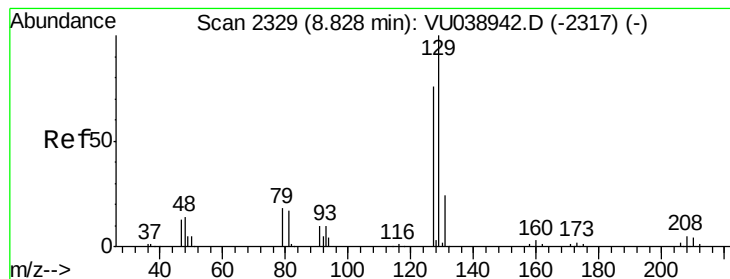
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 2.034 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.25 min

Lab File: VU038958.D

Acq: 17 Jun 2020 20:44

Instrument :

MSVOA_U

ClientSampleId :

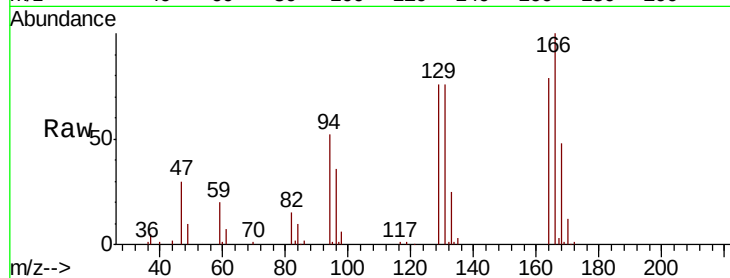
F9L36

Tot Ion:129 Resp: 38248

Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.57

25000

20000

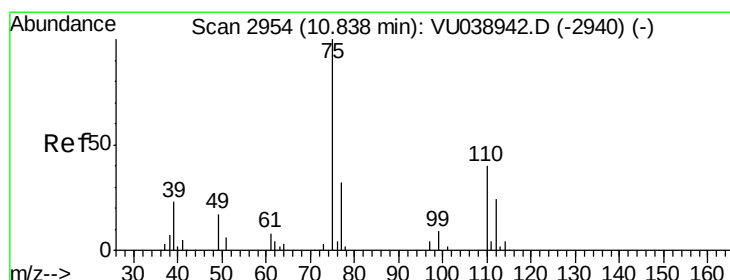
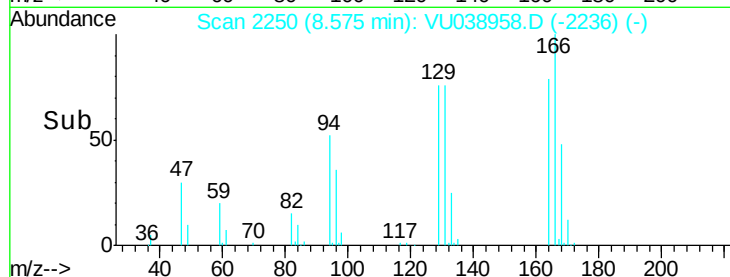
15000

10000

5000

0

Time--> 8.50 8.55 8.60



#59

1,2,3-Trichloropropane

Concen: 0.923 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038958.D

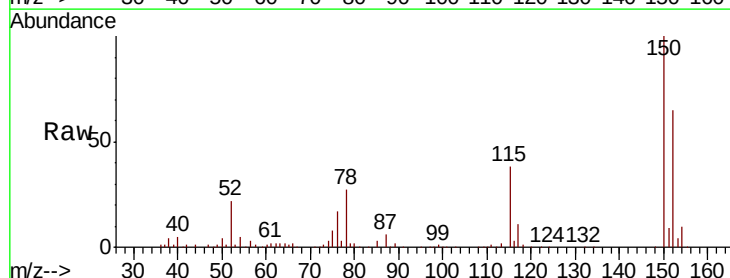
Acq: 17 Jun 2020 20:44

Tgt Ion: 75 Resp: 15049

Ion Ratio Lower Upper

75 100

77 37.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.82

10000

8000

6000

4000

2000

0

Time--> 11.75 11.80 11.85

