

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102020\
 Data File : VU040858.D
 Acq On : 20 Oct 2020 19:29
 Operator : SY/MD
 Sample : L4428-17MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ50MS

Quant Time: Oct 21 00:00:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 23:49:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	111060	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118596	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50433	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	41638	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.92	69	36640	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.58	63	86790	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.40%
20) 2-Butanone-d5	4.65	46	169976	57.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.44%
24) Chloroform-d	5.08	84	88224	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
26) 1,2-Dichloroethane-d4	5.72	65	54188	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
32) Benzene-d6	5.74	84	158931	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.70	67	55862	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.91	98	129292	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	8.19	79	22298	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.64	63	126246	54.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50247	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	53617	5.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.60%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	3272	0.348 ug/L #	78
5) Vinyl chloride	1.61	62	1329	0.134 ug/L #	1
8) Chloroethane	1.94	64	1064	0.169 ug/L #	49
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	445	0.048 ug/L #	20
12) 1,1-Dichloroethene	2.59	96	35658	4.500 ug/L #	82
13) Acetone	2.66	43	4307	1.887 ug/L	98
14) Carbon disulfide	2.81	76	1047	0.047 ug/L #	76
22) cis-1,2-Dichloroethene	4.69	96	4619	0.516 ug/L	87
27) 1,2-Dichloroethane	5.79	62	2358	0.190 ug/L #	77
33) Benzene	5.79	78	172331	4.523 ug/L	100
34) Trichloroethene	6.56	95	43709	4.426 ug/L	95
35) Methylcyclohexane	6.70	83	13111	0.936 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6313	0.595 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1624	0.112 ug/L #	57
42) Toluene	7.98	91	165990	4.275 ug/L	98
44) trans-1,3-Dichloropropene	8.19	75	994	0.074 ug/L #	71
47) Tetrachloroethene	8.56	164	1998	0.284 ug/L	93

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 20 23:49:45 2020
Response via : Initial Calibration

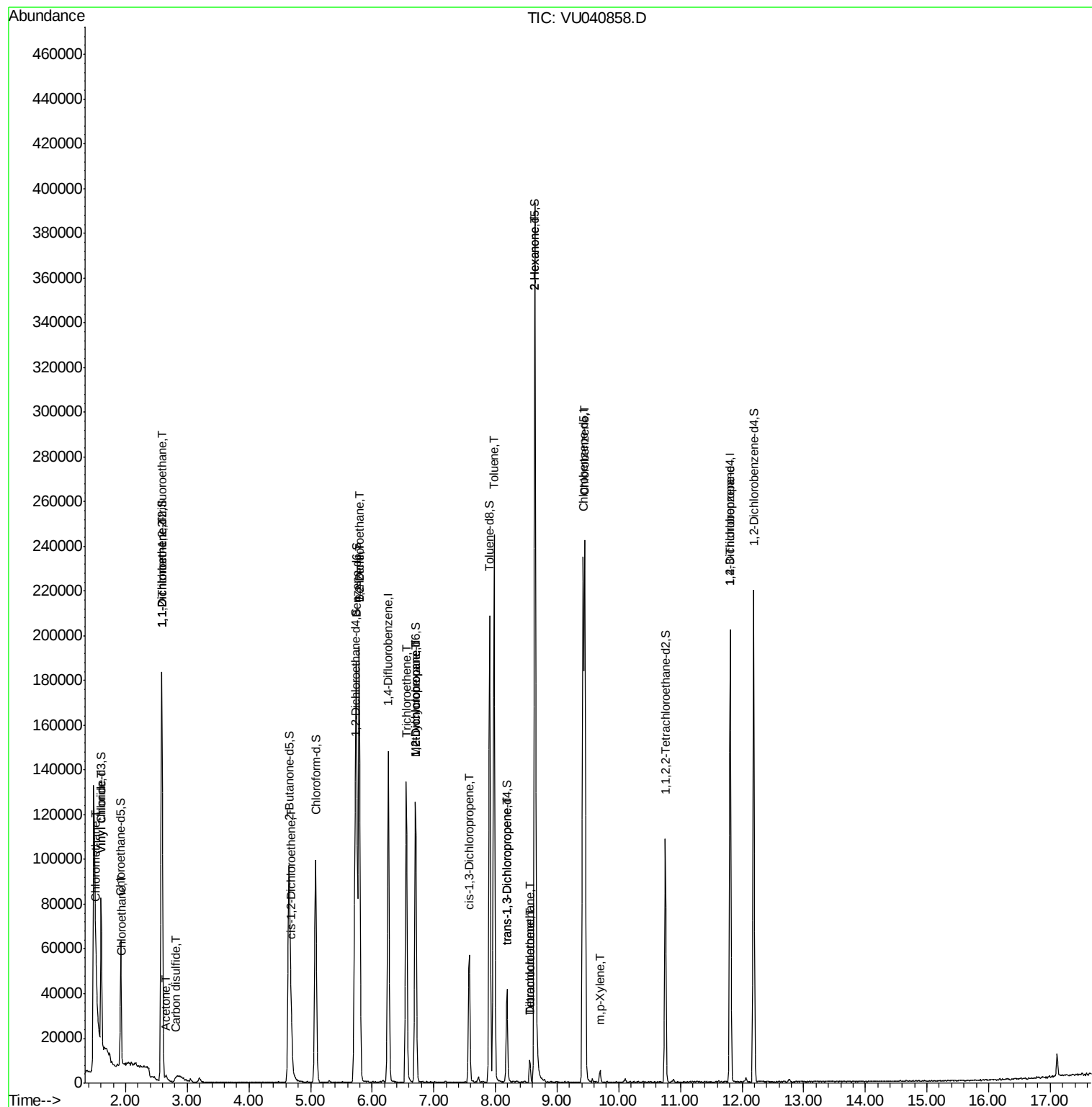
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.64	43	17586	2.791	ug/L #	70
49) Dibromochloromethane	8.56	129	2049	0.224	ug/L #	9
51) Chlorobenzene	9.45	112	117139	4.580	ug/L	99
53) m,p-Xylene	9.69	106	1625	0.106	ug/L	97
59) 1,2,3-Trichloropropane	11.81	75	6688	0.858	ug/L	91

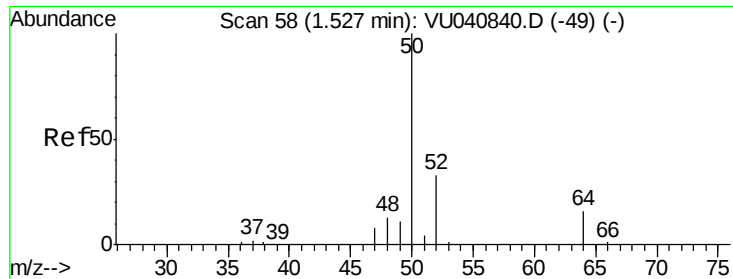
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.348 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040858.D

Acq: 20 Oct 2020 19:29

Instrument :

MSVOA_U

ClientSampleId :

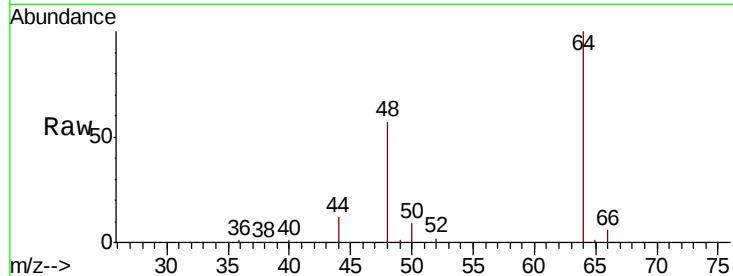
ETZ50MS

Tot Ion: 50 Resp: 3272

Ion Ratio Lower Upper

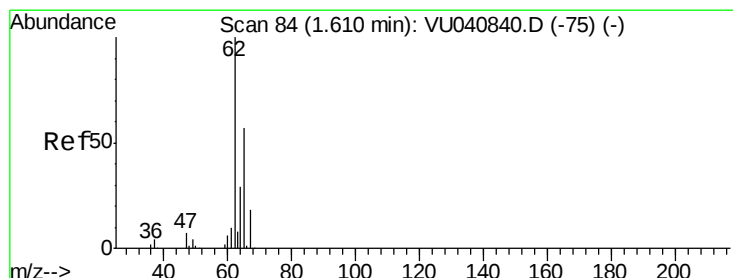
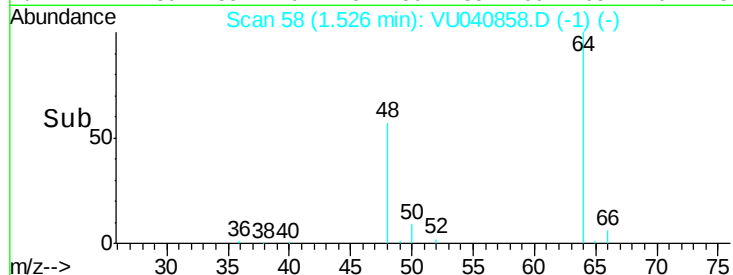
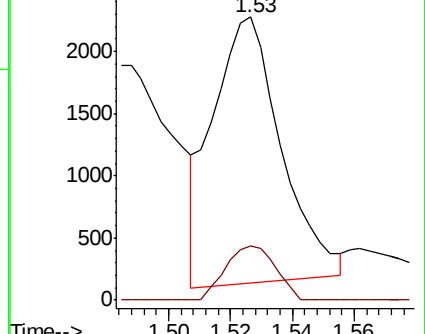
50 100

52 19.1 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 0.134 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040858.D

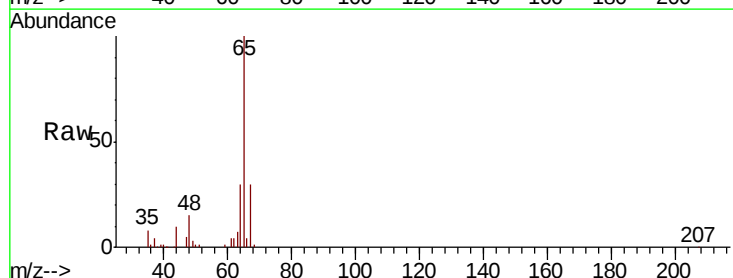
Acq: 20 Oct 2020 19:29

Tgt Ion: 62 Resp: 1329

Ion Ratio Lower Upper

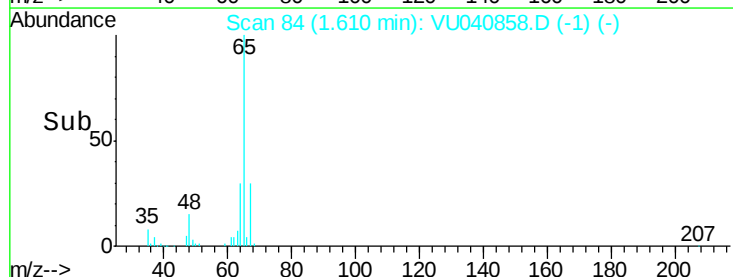
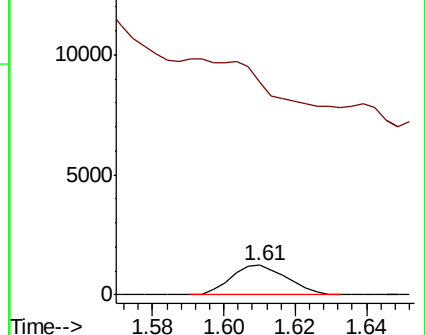
62 100

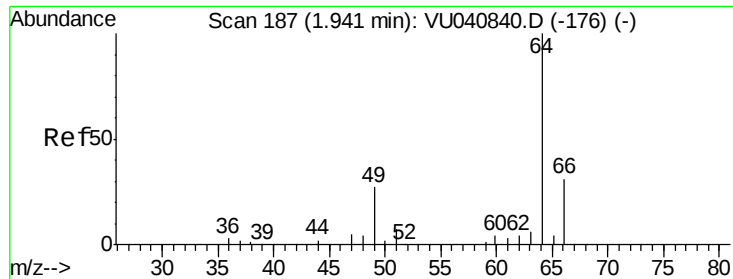
64 725.2 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

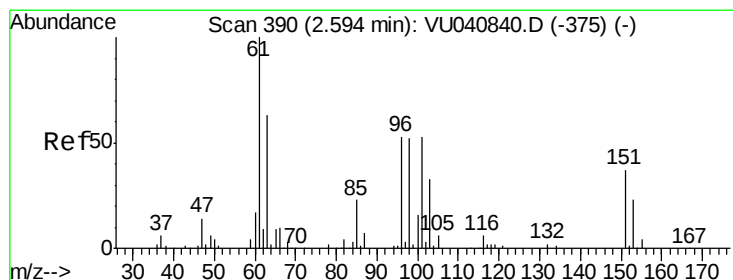
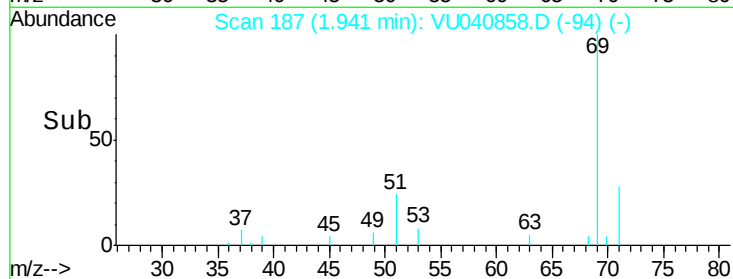
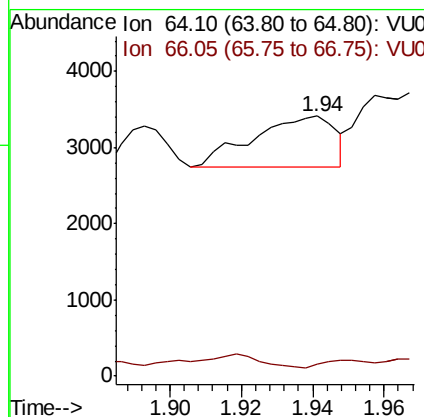
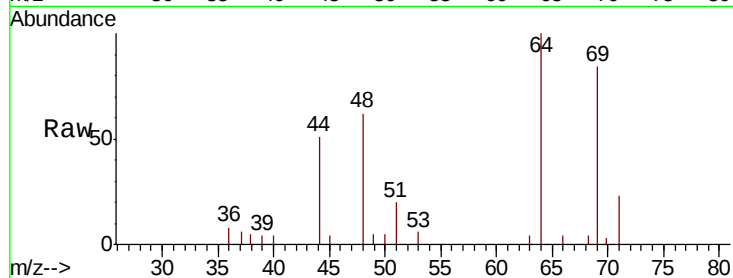




#8
 Chloroethane
 Concen: 0.169 ug/L
 RT: 1.94 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VU040858.D
 Acq: 20 Oct 2020 19:29

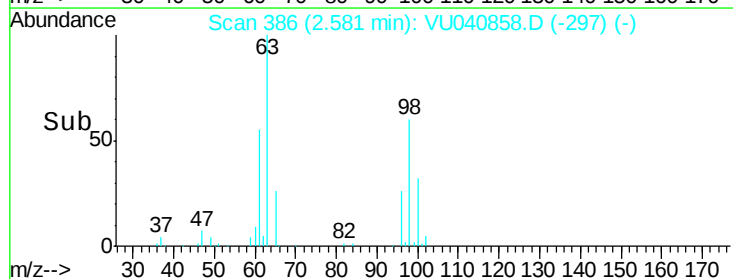
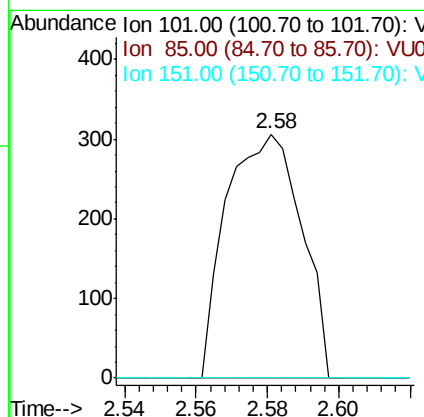
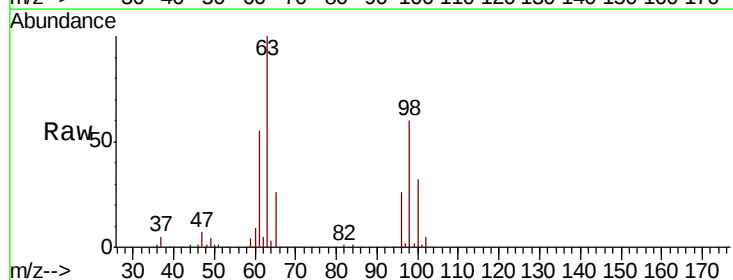
Instrument :
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 ETZ50MS

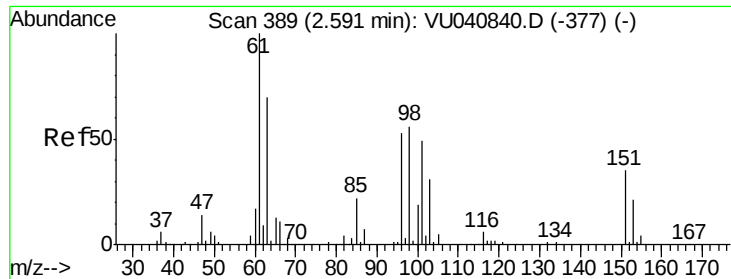
Tot Ion: 64 Resp: 1064
 Ion Ratio Lower Upper
 64 100
 66 4.4 23.3 43.3#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.048 ug/L
 RT: 2.58 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VU040858.D
 Acq: 20 Oct 2020 19:29

Tgt Ion: 101 Resp: 445
 Ion Ratio Lower Upper
 101 100
 85 0.0 36.7 55.1#
 151 0.0 58.0 87.0#





#12

1,1-Dichloroethene

Concen: 4.500 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040858.D

Acq: 20 Oct 2020 19:29

Instrument :

MSVOA_U

ClientSampleId :

ETZ50MS

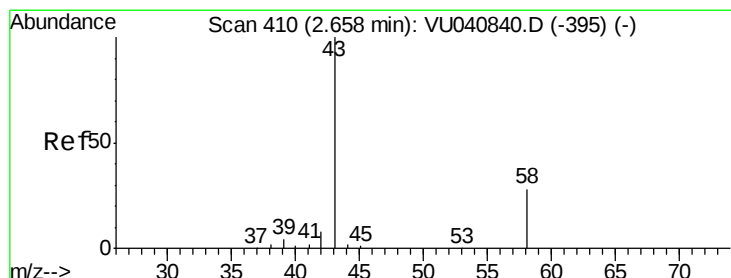
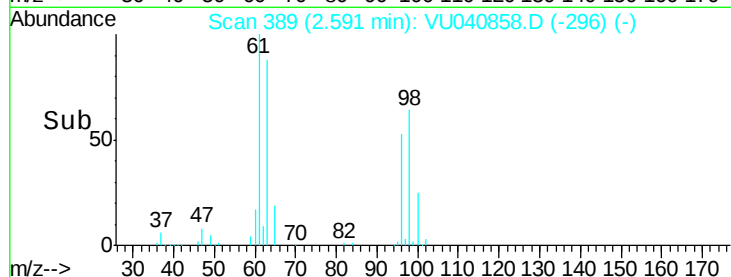
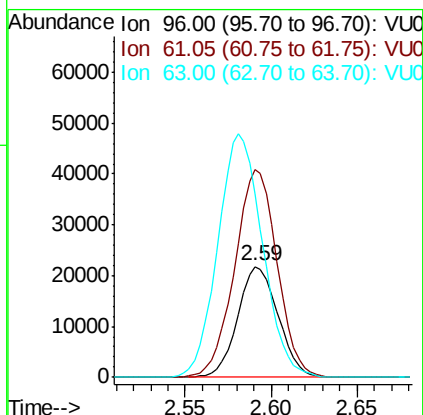
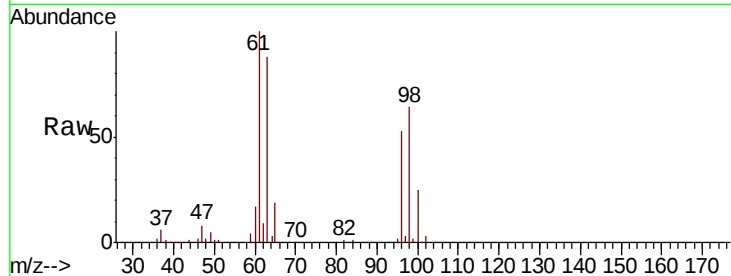
Tot Ion: 96 Resp: 35658

Ion Ratio Lower Upper

96 100

61 187.9 128.8 239.2

63 166.0 84.6 157.2#



#13

Acetone

Concen: 1.887 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU040858.D

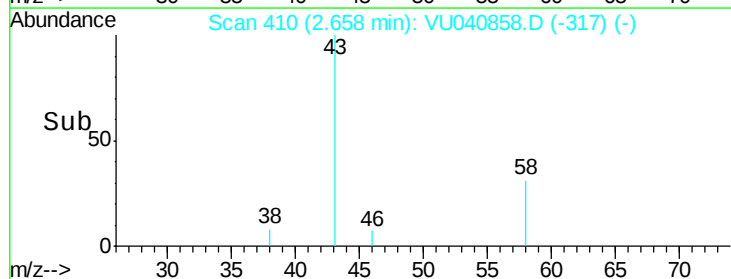
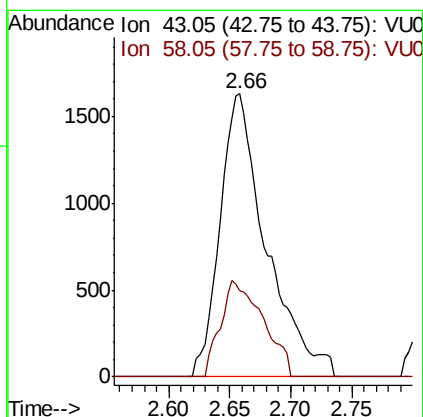
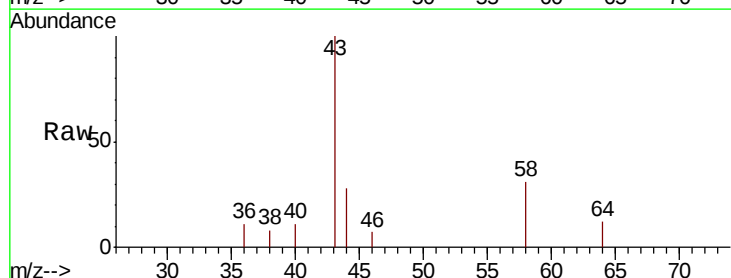
Acq: 20 Oct 2020 19:29

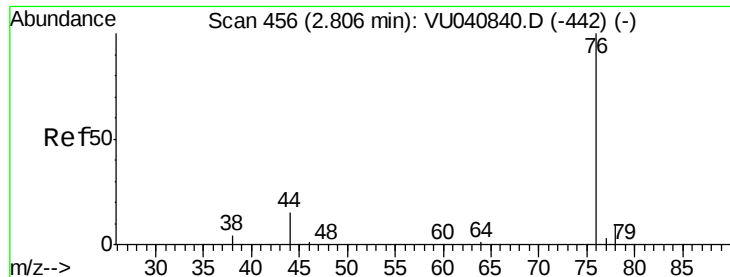
Tgt Ion: 43 Resp: 4307

Ion Ratio Lower Upper

43 100

58 31.4 0.0 60.6





#14

Carbon disulfide

Concen: 0.047 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040858.D

Acq: 20 Oct 2020 19:29

Instrument :

MSVOA_U

ClientSampleId :

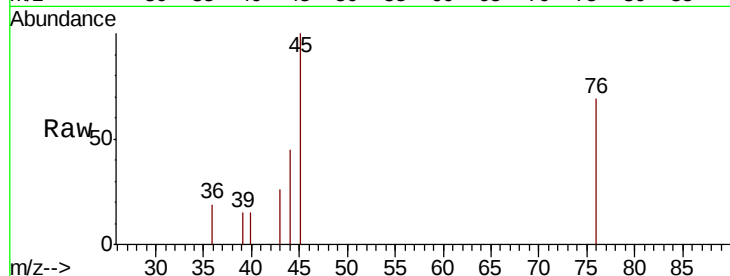
ETZ50MS

Tot Ion: 76 Resp: 1047

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

600

500

400

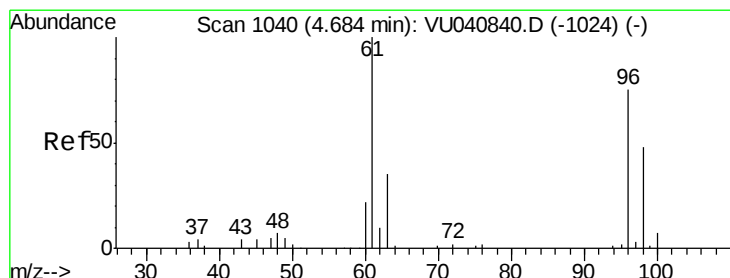
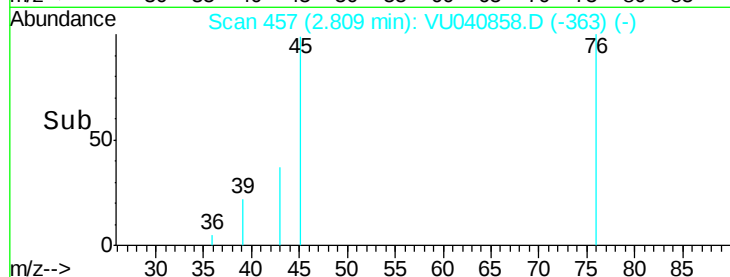
300

200

100

0

Time--> 2.75 2.80 2.85



#22

cis-1,2-Dichloroethene

Concen: 0.516 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU040858.D

Acq: 20 Oct 2020 19:29

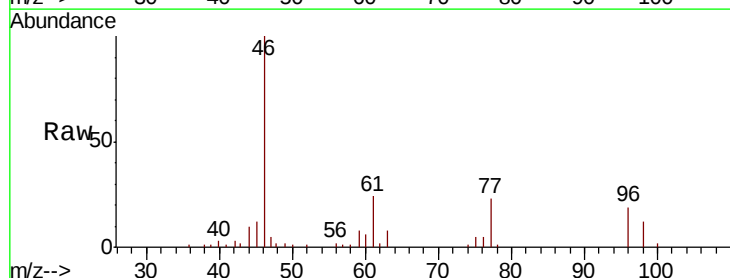
Tgt Ion: 96 Resp: 4619

Ion Ratio Lower Upper

96 100

61 127.0 99.8 185.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

4000

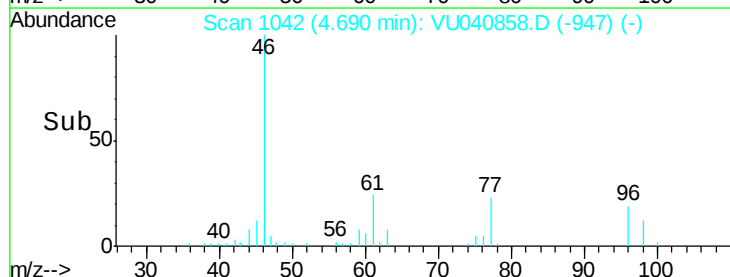
3000

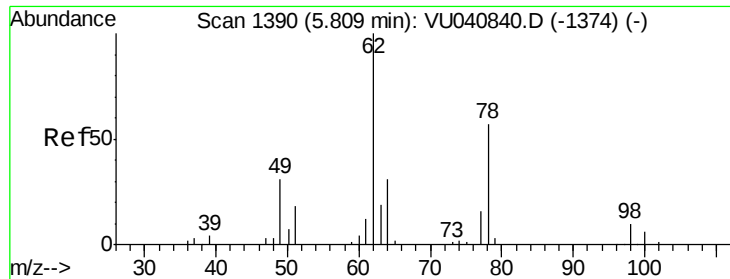
2000

1000

0

Time--> 4.65 4.70 4.75

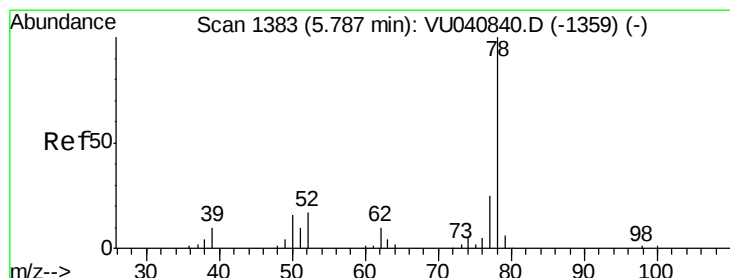
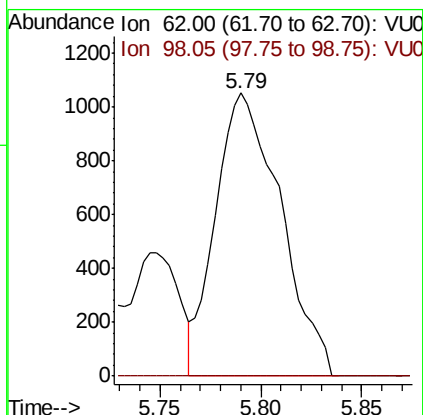
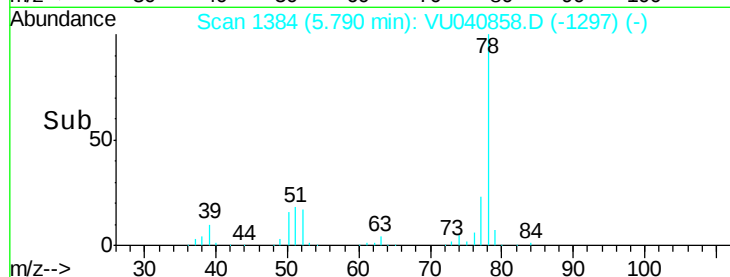
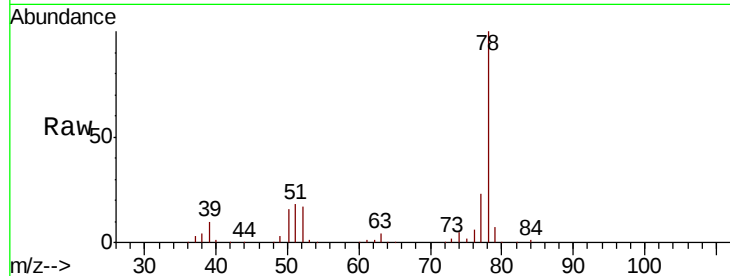




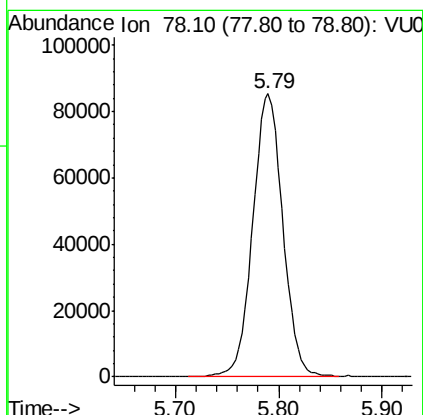
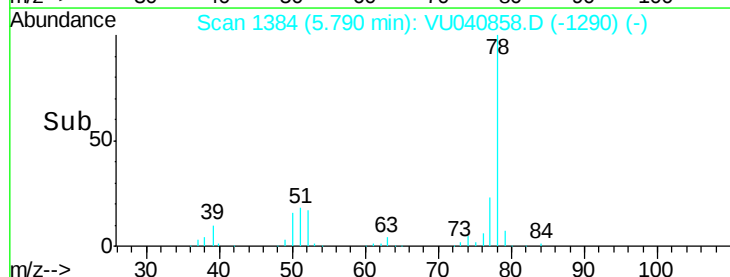
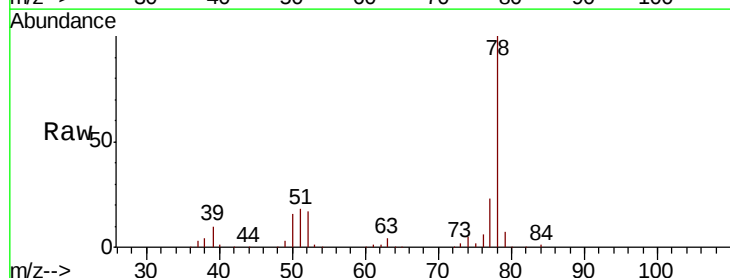
#27
1,2-Dichloroethane
 Concen: 0.190 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. -0.02 min
 Lab File: VU040858.D
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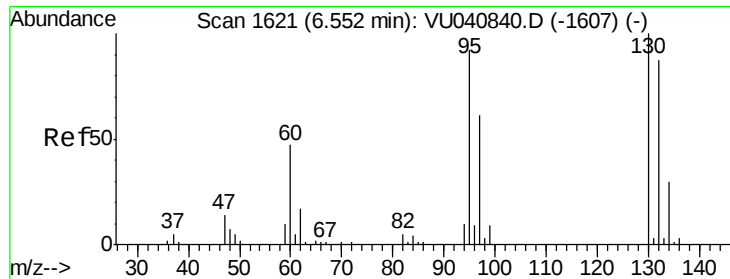
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 ETZ50MS

Tot Ion: 62 Resp: 2358
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#33
Benzene
 Concen: 4.523 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: VU040858.D
 Acq: 20 Oct 2020 19:29
 Tgt Ion: 78 Resp: 172331





#34

Trichloroethene

Concen: 4.426 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040858.D

Acq: 20 Oct 2020 19:29

Instrument :

MSVOA_U

ClientSampleId :

ETZ50MS

Tot Ion: 95 Resp: 43709

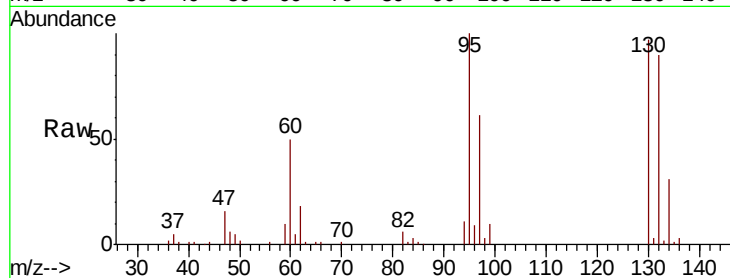
Ion Ratio Lower Upper

95 100

97 61.2 45.5 84.5

132 90.1 67.5 125.4

130 97.2 69.9 129.9

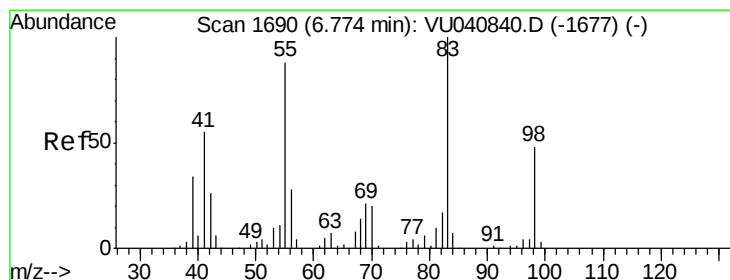
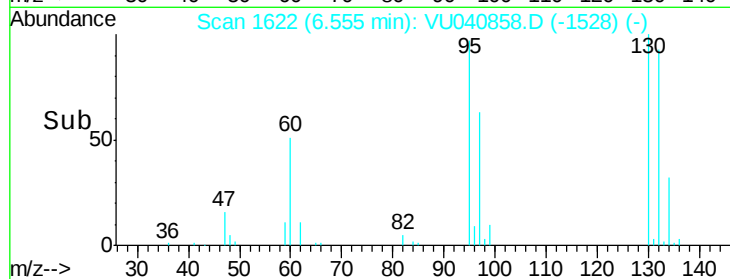
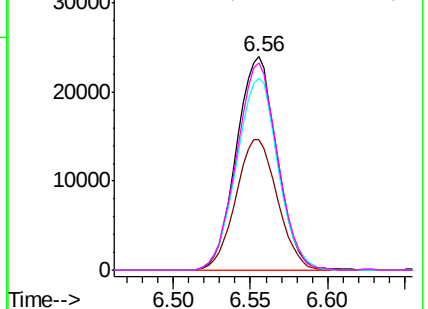


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.936 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040858.D

Acq: 20 Oct 2020 19:29

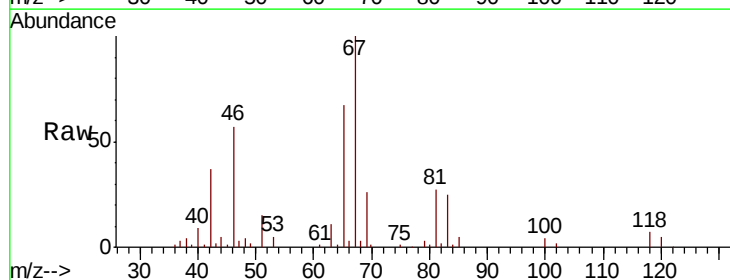
Tgt Ion: 83 Resp: 13111

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

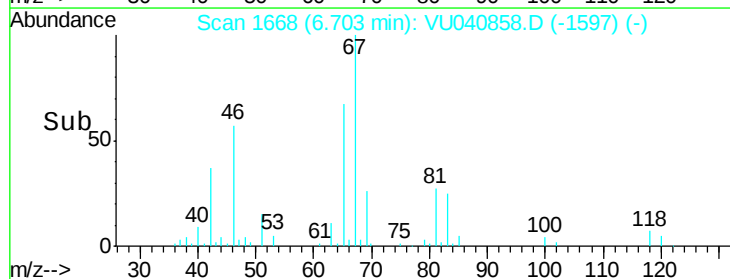
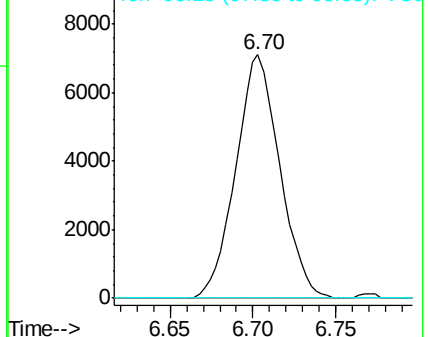
98 0.0 38.4 57.6#

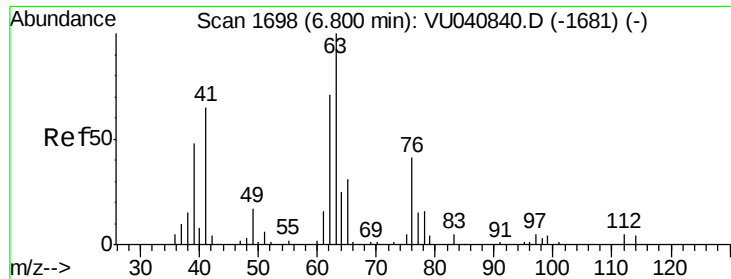


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

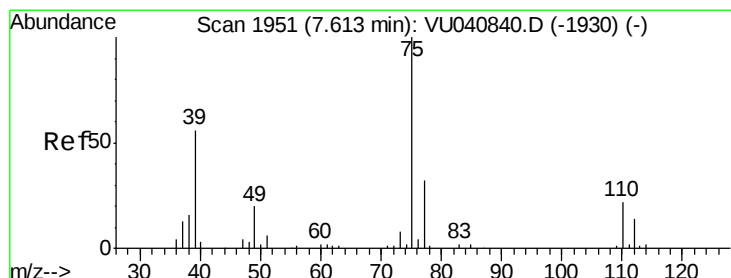
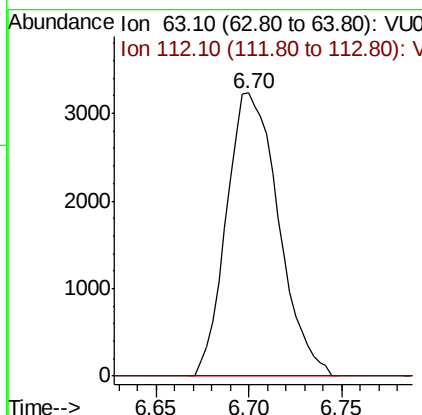
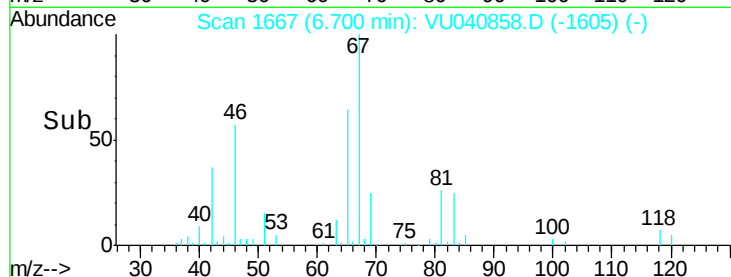
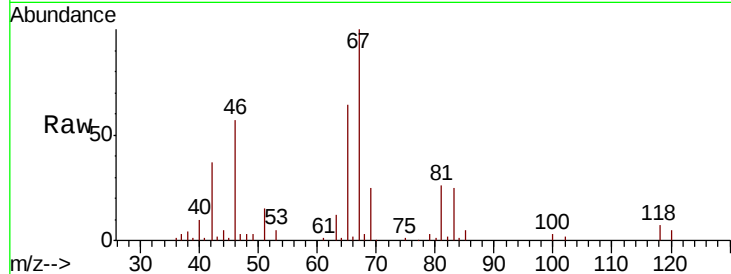




#37
 1,2-Dichloropropane
 Concen: 0.595 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040858.D
 Acq: 20 Oct 2020 19:29

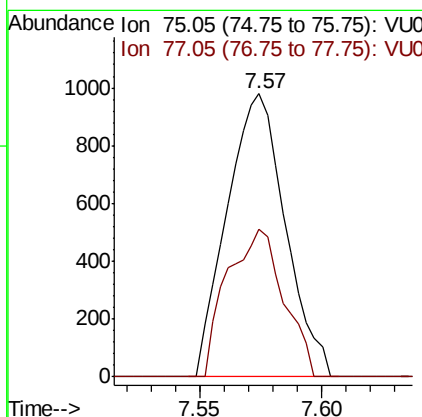
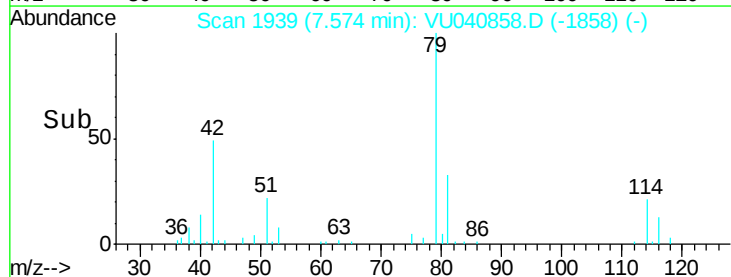
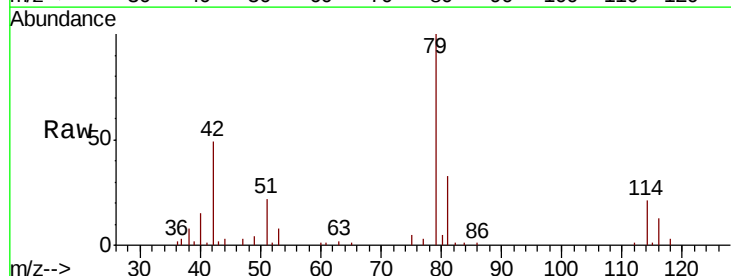
Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ50MS

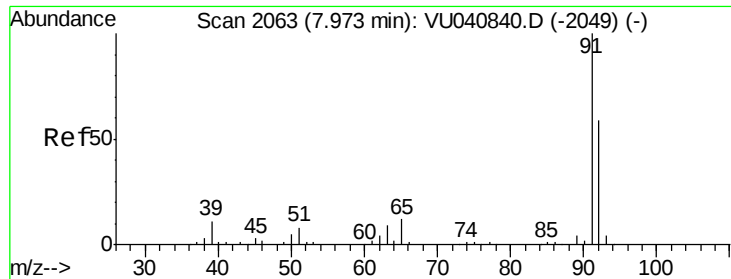
Tot Ion: 63 Resp: 6313
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040858.D
 Acq: 20 Oct 2020 19:29

Tgt Ion: 75 Resp: 1624
 Ion Ratio Lower Upper
 75 100
 77 52.2 20.5 38.1#





#42

Toluene

Concen: 4.275 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040858.D

Acq: 20 Oct 2020 19:29

Instrument :

MSVOA_U

ClientSampleId :

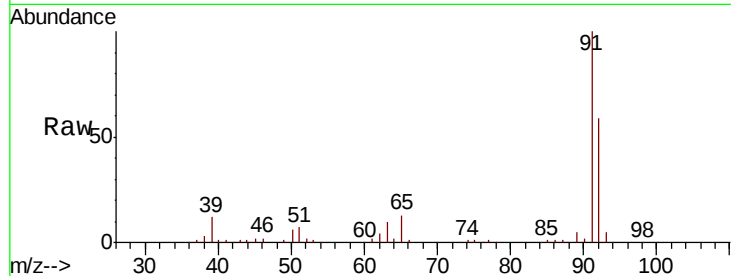
ETZ50MS

Tot Ion: 91 Resp: 165990

Ion Ratio Lower Upper

91 100

92 58.6 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040840.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040840.D (-2049) (-)

7.98

100000

80000

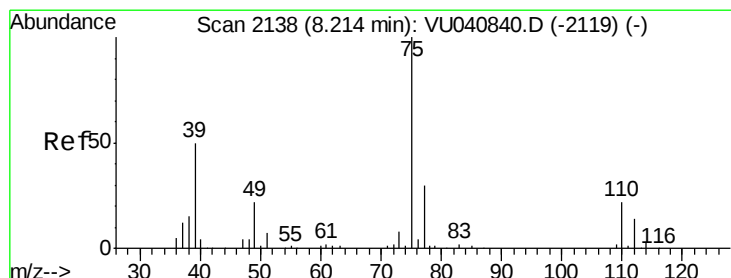
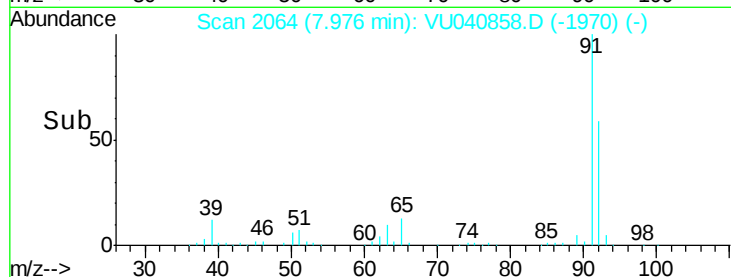
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040858.D

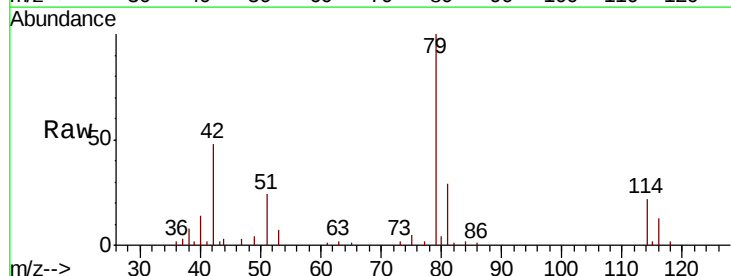
Acq: 20 Oct 2020 19:29

Tgt Ion: 75 Resp: 994

Ion Ratio Lower Upper

75 100

77 44.5 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU040840.D (-2119) (-)

Ion 77.05 (76.75 to 77.75): VU040840.D (-2119) (-)

8.19

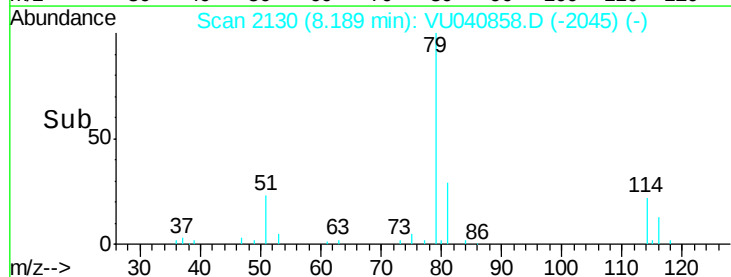
600

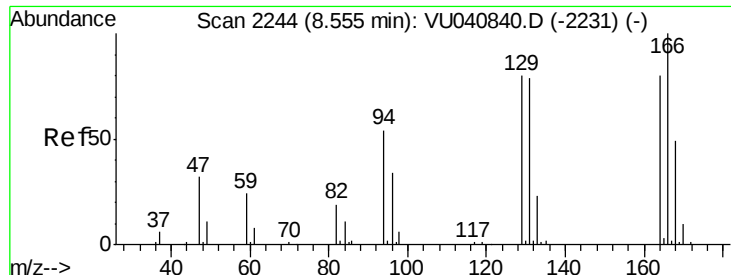
400

200

0

Time-->





#47

Tetrachloroethene

Concen: 0.284 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040858.D

Acq: 20 Oct 2020 19:29

Instrument :

MSVOA_U

ClientSampleId :

ETZ50MS

Tot Ion:164 Resp: 1998

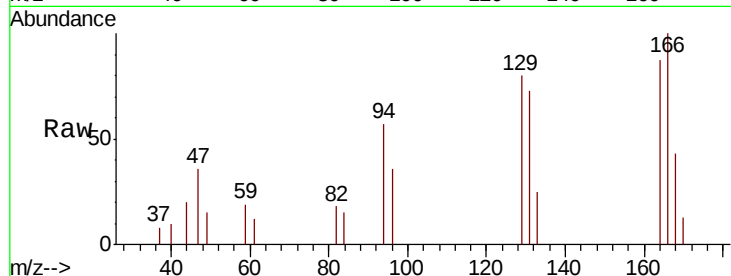
Ion Ratio Lower Upper

164 100

129 92.9 68.8 127.8

131 84.0 66.7 123.9

166 115.6 83.9 155.7

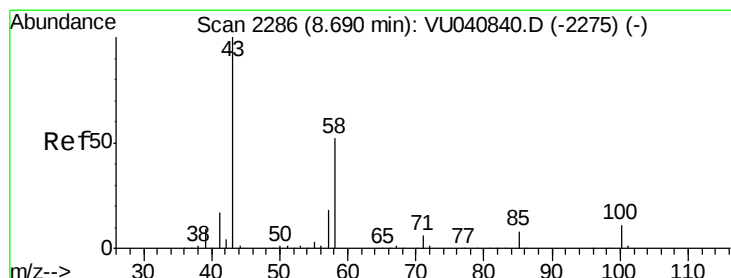
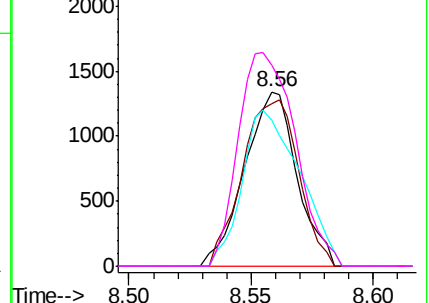
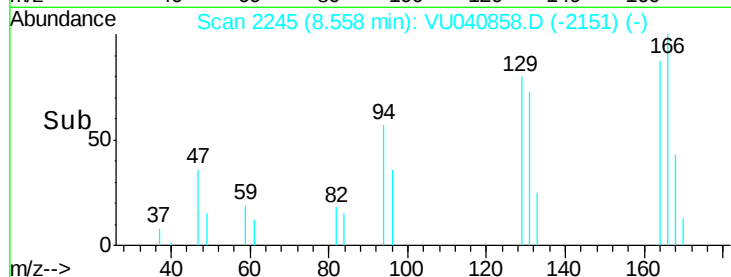


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.791 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU040858.D

Acq: 20 Oct 2020 19:29

Tgt Ion: 43 Resp: 17586

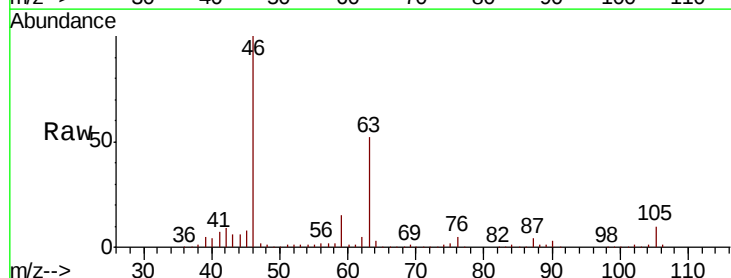
Ion Ratio Lower Upper

43 100

58 30.3 41.0 61.6#

57 33.3 14.4 21.6#

100 2.4 8.6 13.0#

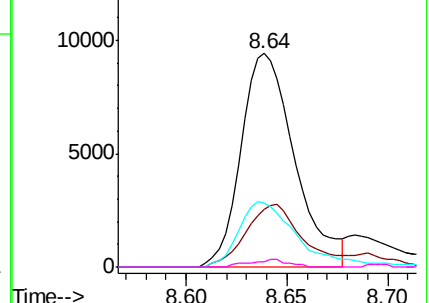
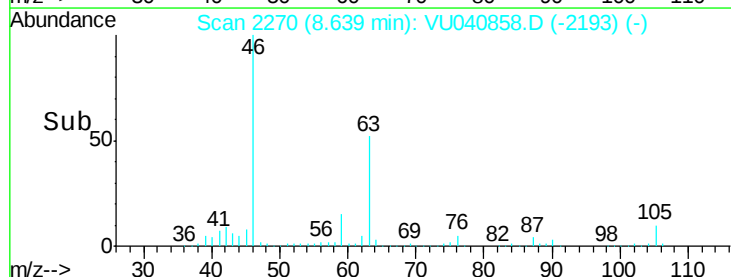


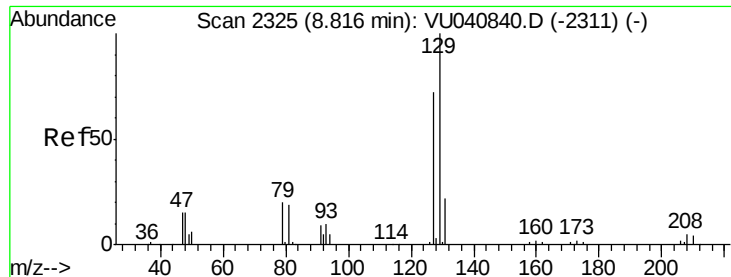
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

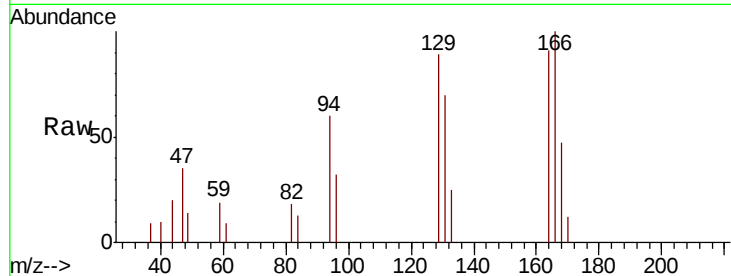




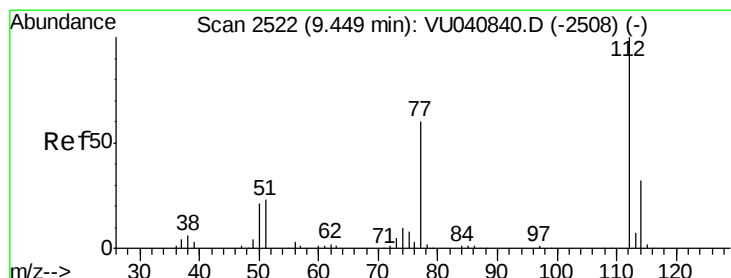
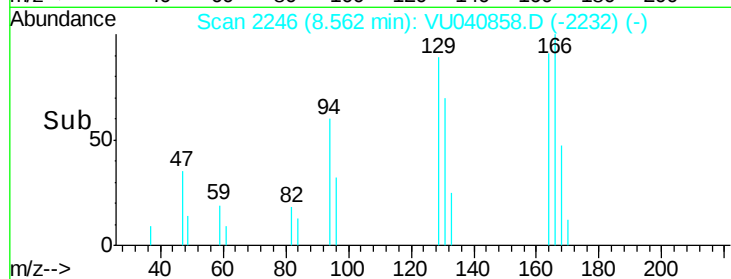
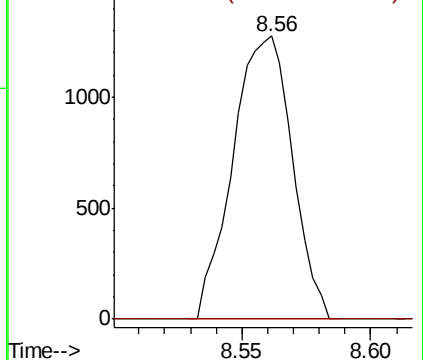
#49
Dibromochloromethane
Concen: 0.224 ug/L
RT: 8.56 min Scan# 2246
Delta R.T. -0.25 min
Lab File: VU040858.D
Acq: 20 Oct 2020 19:29

Instrument :
MSVOA_U
ClientSampleId :
ETZ50MS

Tot Ion:129 Resp: 2049
Ion Ratio Lower Upper
129 100
127 0.0 55.8 103.6#

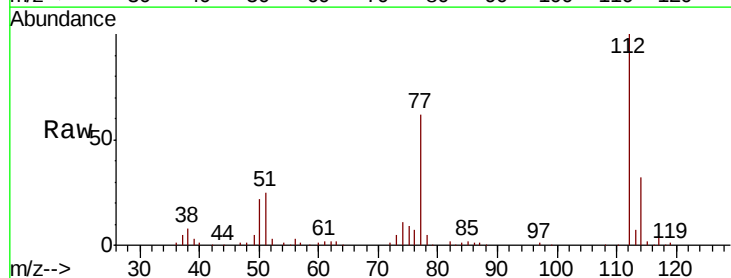


Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

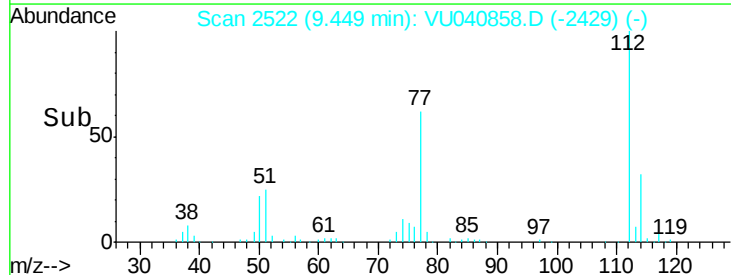
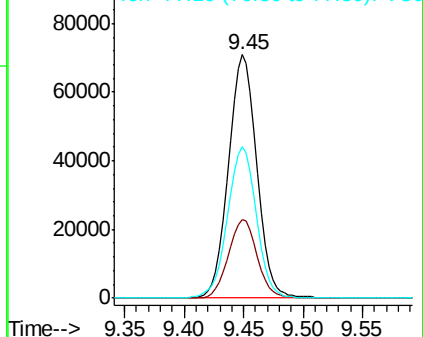


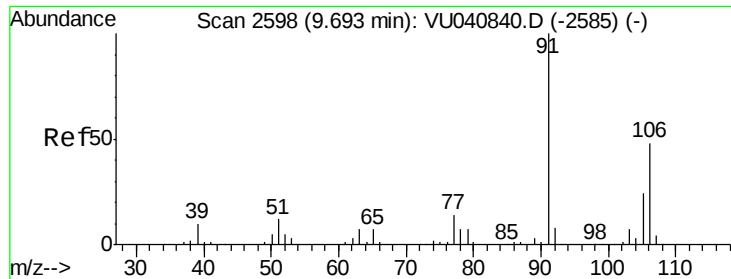
#51
Chlorobenzene
Concen: 4.580 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040858.D
Acq: 20 Oct 2020 19:29

Tgt Ion:112 Resp: 117139
Ion Ratio Lower Upper
112 100
114 32.4 23.1 42.9
77 62.0 50.3 75.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#53

m,p-Xylene

Concen: 0.106 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VU040858.D

Acq: 20 Oct 2020 19:29

Instrument :

MSVOA_U

ClientSampleId :

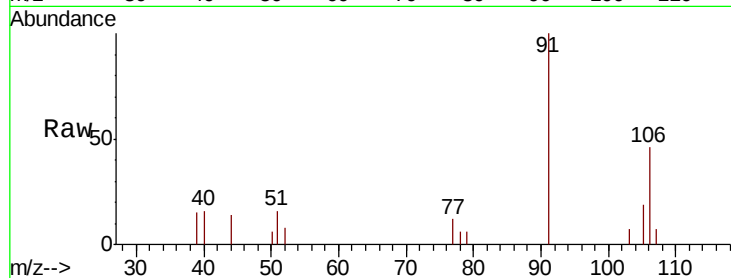
ETZ50MS

Tot Ion:106 Resp: 1625

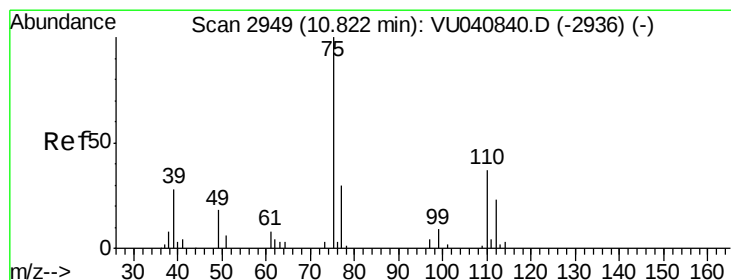
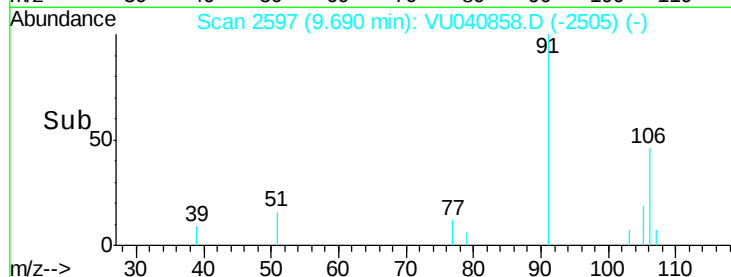
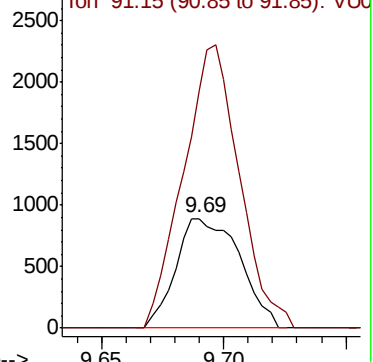
Ion Ratio Lower Upper

106 100

91 217.1 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040840.D (-2585) (-)



#59

1,2,3-Trichloropropane

Concen: 0.858 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040858.D

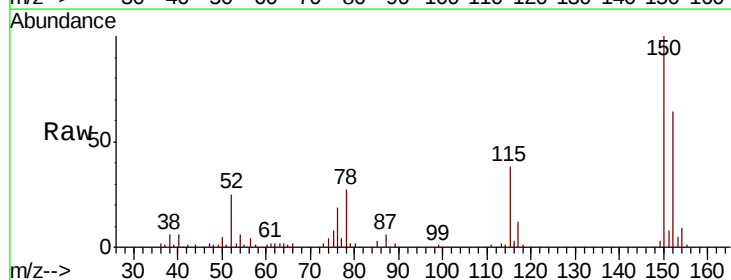
Acq: 20 Oct 2020 19:29

Tgt Ion: 75 Resp: 6688

Ion Ratio Lower Upper

75 100

77 38.0 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040840.D (-2936) (-)

