

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028148.D
 Acq On : 15 Nov 2018 02:54
 Operator : MD/SY
 Sample : J5943-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FH9

Quant Time: Nov 15 06:19:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 15 06:14:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	133521	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	127697	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	59049	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	48389	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.68	69	40388	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.27	63	71508	3.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	4.22	46	167387	52.09	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.18%
24) Chloroform-d	4.65	84	85086	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.31	65	49063	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.34	84	175967	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.33	67	63872	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.57	98	154773	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	7.85	79	19013	4.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.40%
46) 2-Hexanone-d5	8.32	63	133063	49.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.60%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	45091	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	54442	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	18981	1.327	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	479	0.055	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	771	0.087	ug/L #	1
18) trans-1,2-Dichloroethene	2.98	96	3546	0.376	ug/L	94
19) 1,1-Dichloroethane	3.44	63	890	0.045	ug/L #	69
22) cis-1,2-Dichloroethene	4.23	96	26347	2.532	ug/L	98
34) Trichloroethene	6.19	95	2639	0.248	ug/L	85
35) Methylcyclohexane	6.33	83	13216	0.723	ug/L #	16
37) 1,2-Dichloropropane	6.33	63	6369	0.535	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1363	0.085	ug/L #	75
42) Toluene	7.64	91	4432	0.100	ug/L	97
47) Tetrachloroethene	8.22	164	752	0.087	ug/L	86
49) Dibromochloromethane	8.22	129	648	0.085	ug/L #	11
53) m,p-xylene	9.38	106	1032	0.059	ug/L	81
59) 1,2,3-Trichloropropane	11.48	75	7961	1.191	ug/L #	85

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QLast Update : Thu Nov 15 06:14:20 2018
Response via : Initial Calibration

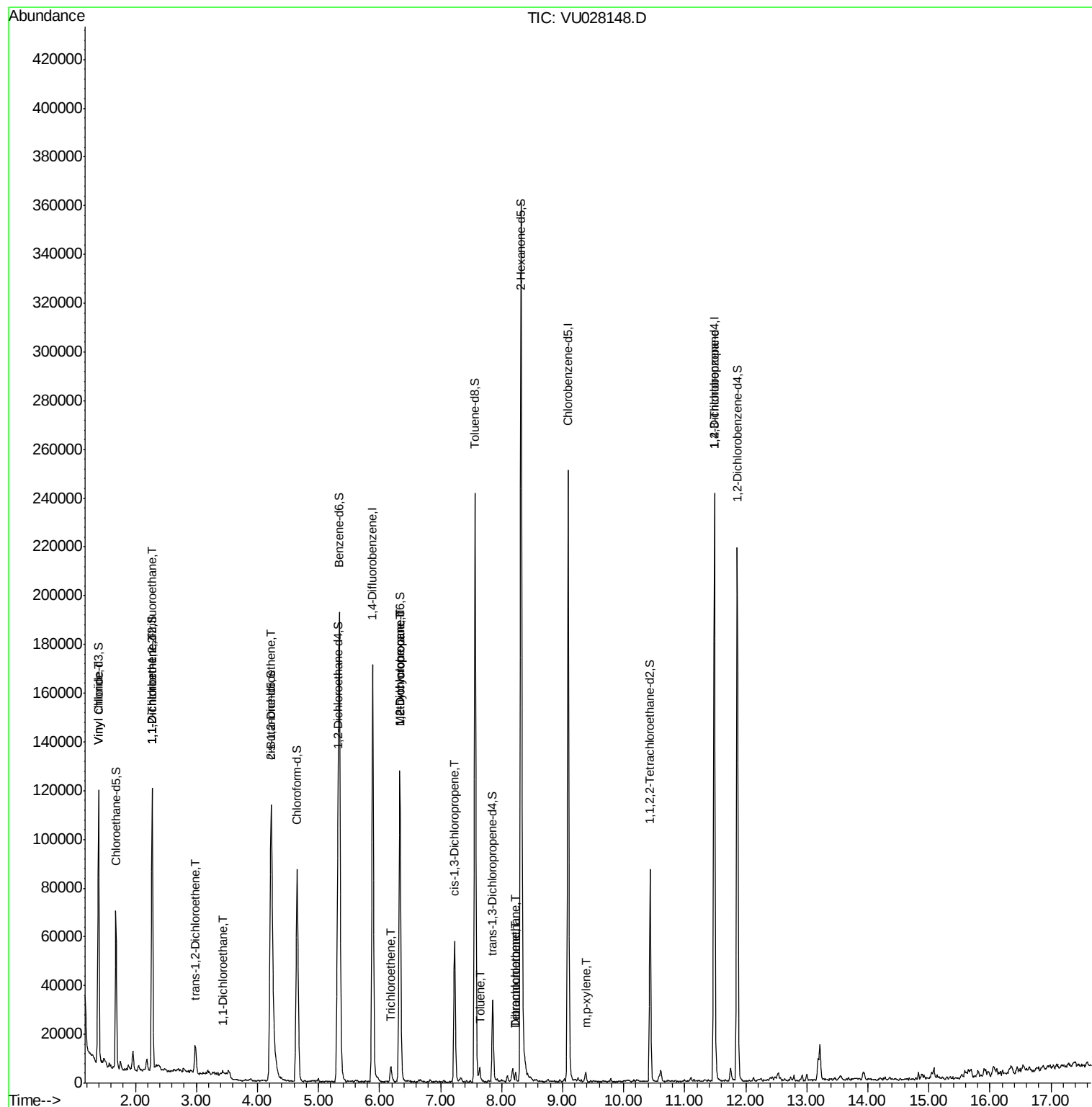
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

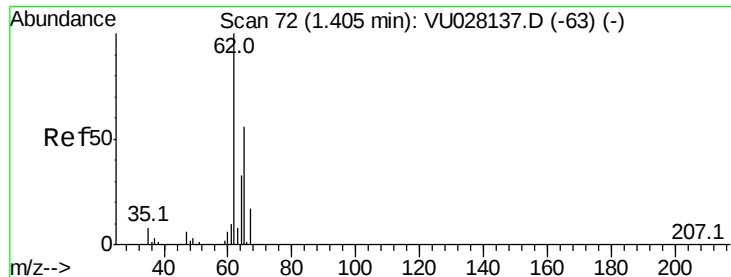
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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QLast Update : Thu Nov 15 06:14:20 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.327 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028148.D

Acq: 15 Nov 2018 02:54

Instrument :

MSVOA_U

ClientSampleId :

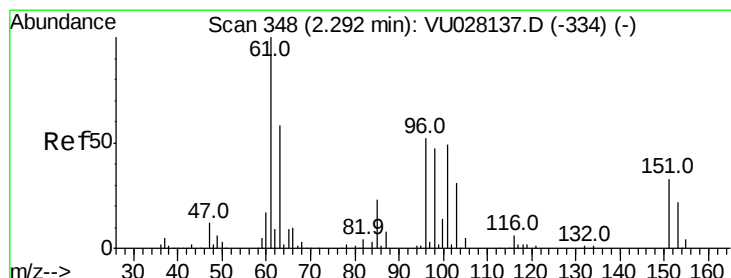
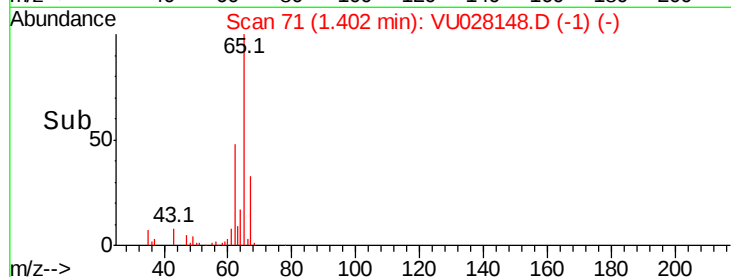
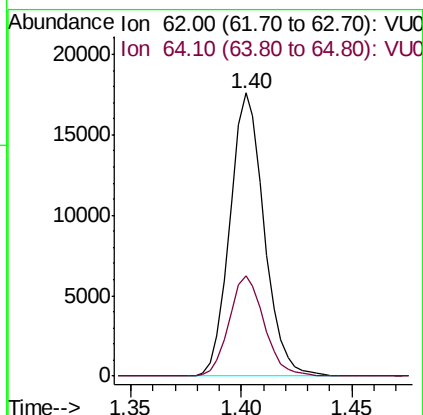
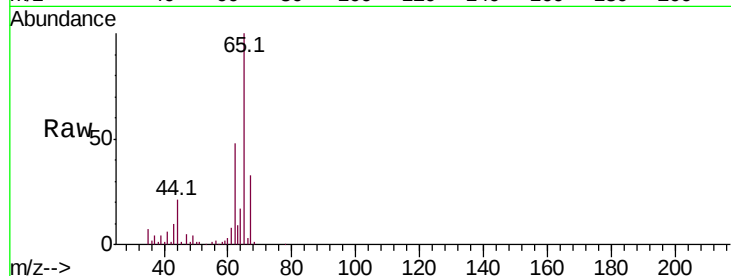
H0FH9

Tot Ion: 62 Resp: 18981

Ion Ratio Lower Upper

62 100

64 35.3 22.7 42.3



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.055 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028148.D

Acq: 15 Nov 2018 02:54

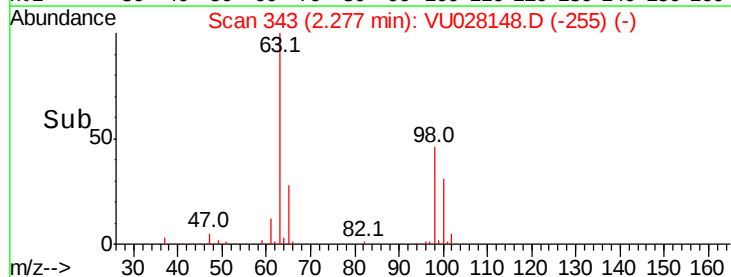
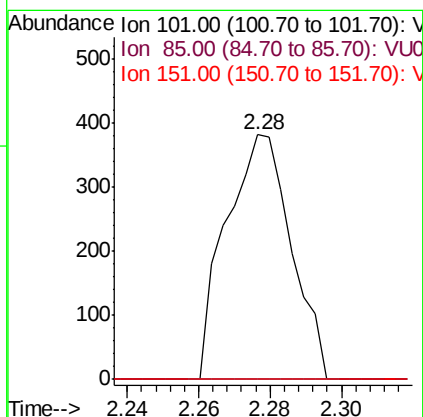
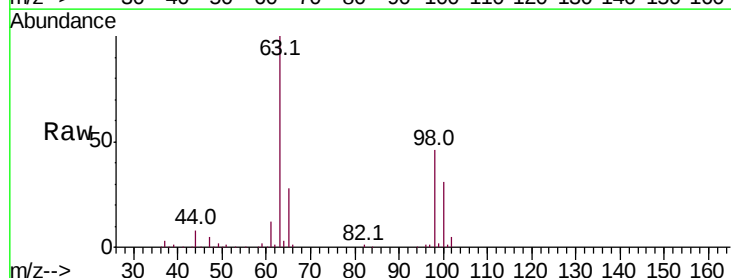
Tgt Ion: 101 Resp: 479

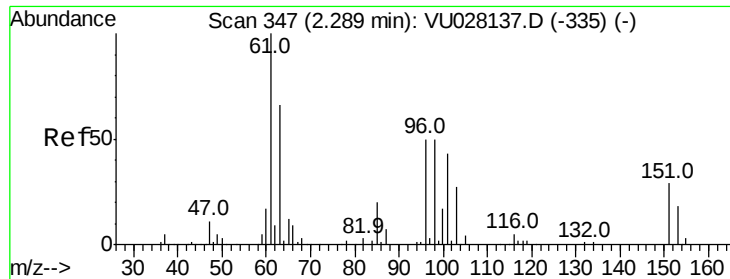
Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

151 0.0 58.2 87.2#





#12

1,1-Dichloroethene

Concen: 0.087 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU028148.D

Acq: 15 Nov 2018 02:54

Instrument :

MSVOA_U

ClientSampleId :

H0FH9

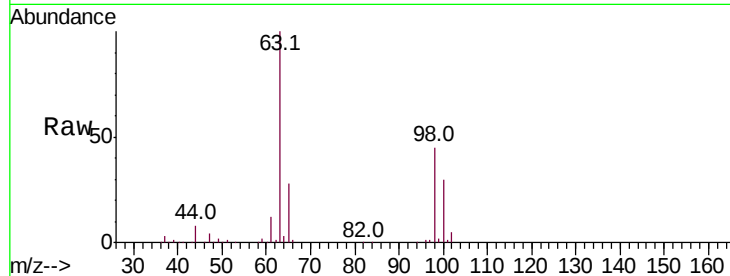
Tot Ion: 96 Resp: 771

Ion Ratio Lower Upper

96 100

61 1135.5 134.8 250.3#

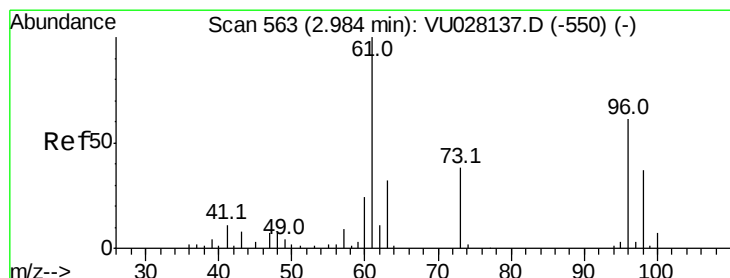
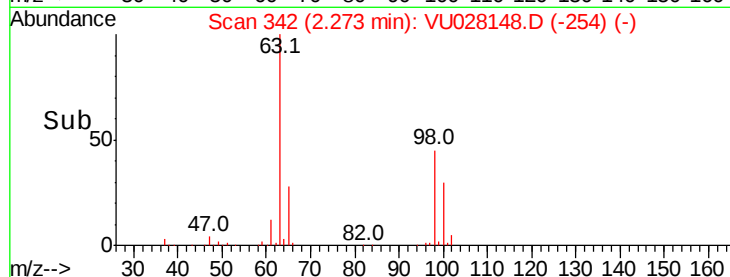
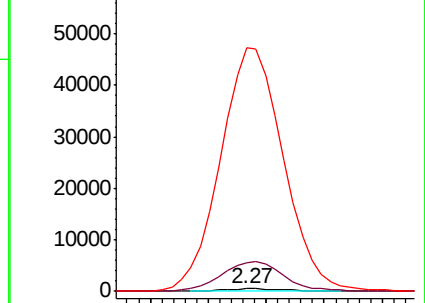
63 9525.8 100.1 185.9#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#18

trans-1,2-Dichloroethene

Concen: 0.376 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028148.D

Acq: 15 Nov 2018 02:54

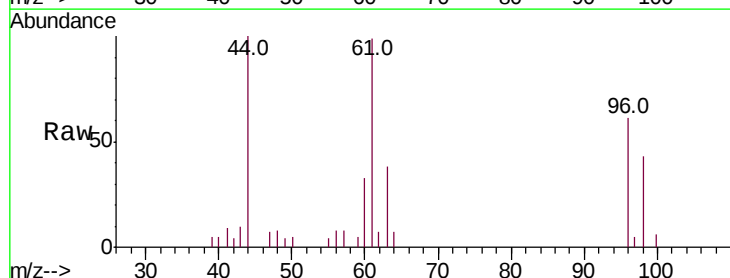
Tgt Ion: 96 Resp: 3546

Ion Ratio Lower Upper

96 100

61 162.4 118.5 220.1

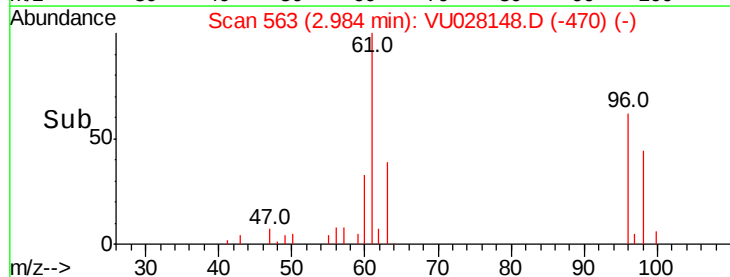
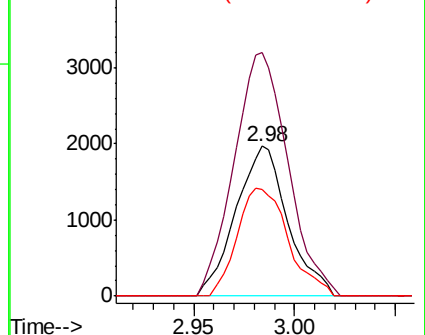
98 71.1 44.9 83.5

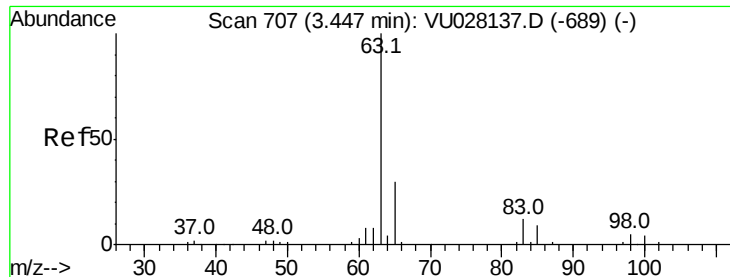


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.045 ug/L

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028148.D

Acq: 15 Nov 2018 02:54

Instrument :

MSVOA_U

ClientSampleId :

H0FH9

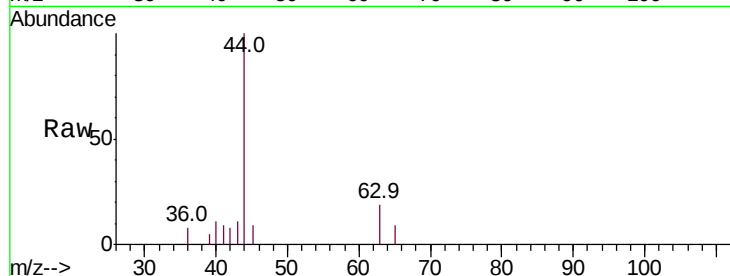
Tot Ion: 63 Resp: 890

Ion Ratio Lower Upper

63 100

65 48.3 22.2 41.2#

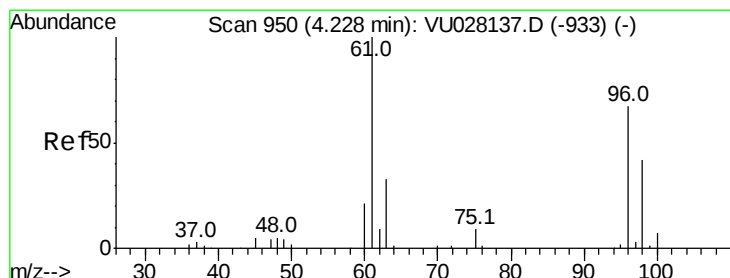
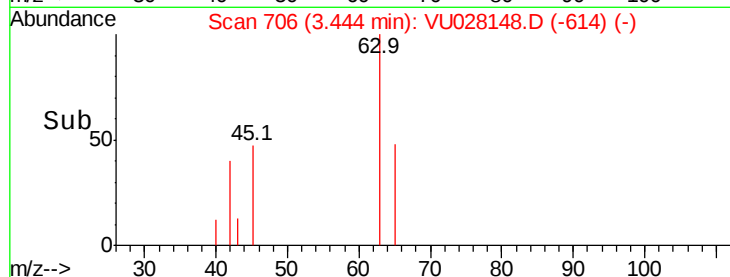
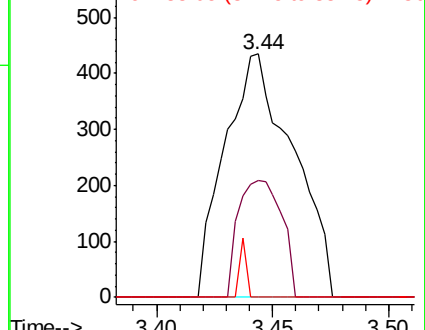
83 0.0 8.9 16.5#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 2.532 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028148.D

Acq: 15 Nov 2018 02:54

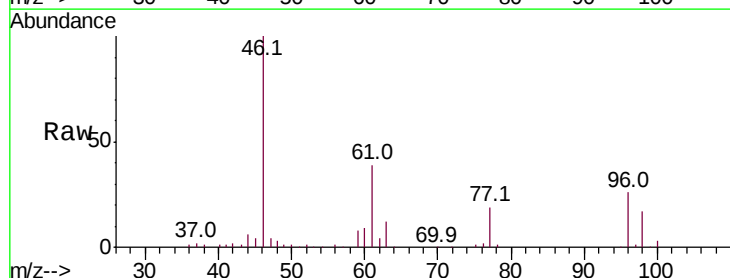
Tgt Ion: 96 Resp: 26347

Ion Ratio Lower Upper

96 100

61 148.2 101.8 189.0

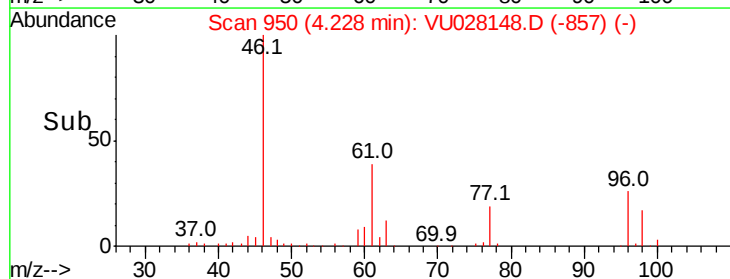
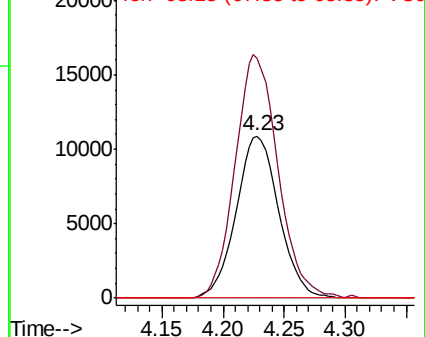
68 0.0 0.0 0.0

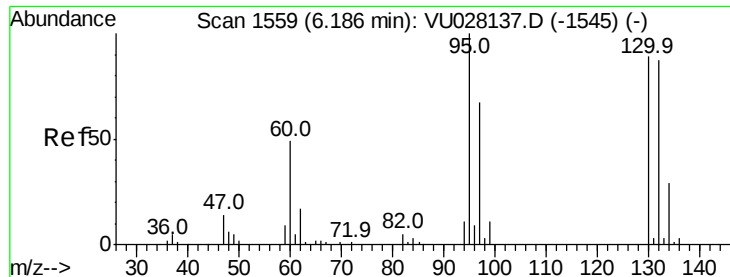


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#34

Trichloroethene

Concen: 0.248 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028148.D

Acq: 15 Nov 2018 02:54

Instrument :

MSVOA_U

ClientSampleId :

H0FH9

Tot Ion: 95 Resp: 2639

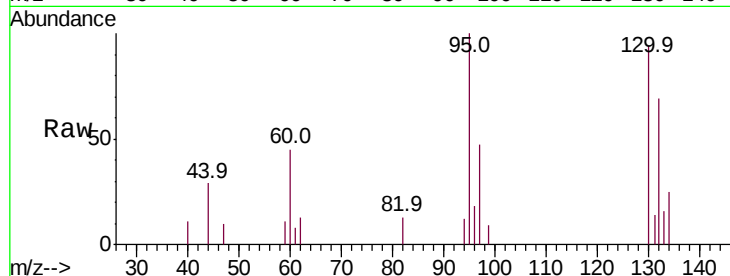
Ion Ratio Lower Upper

95 100

97 47.4 45.3 84.1

132 69.2 63.0 117.0

130 94.3 63.6 118.2

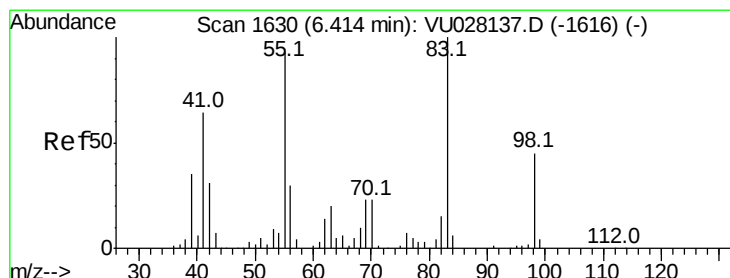
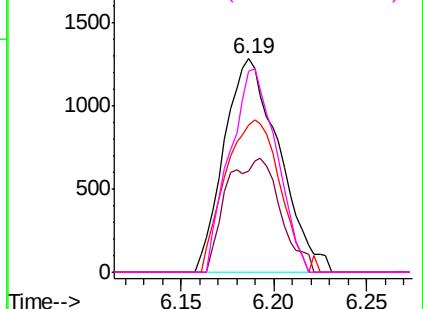
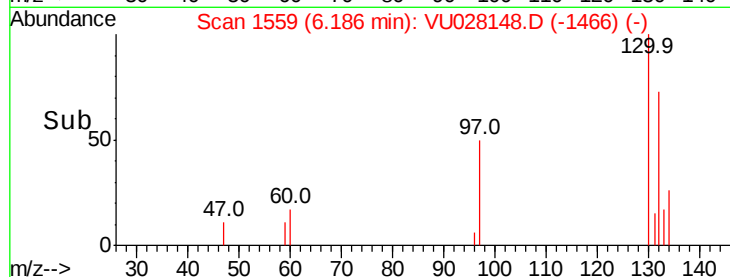


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.723 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028148.D

Acq: 15 Nov 2018 02:54

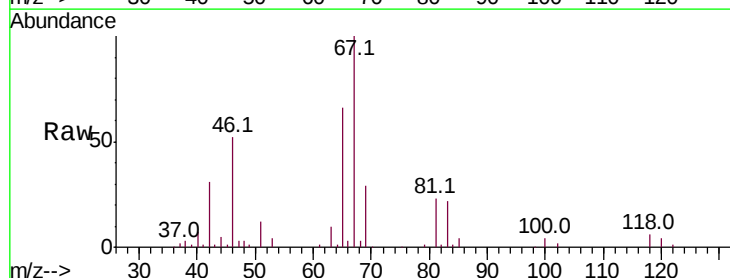
Tgt Ion: 83 Resp: 13216

Ion Ratio Lower Upper

83 100

55 0.5 69.0 103.4#

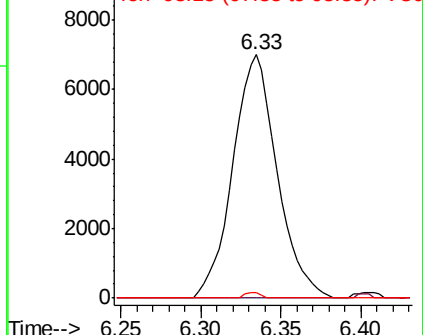
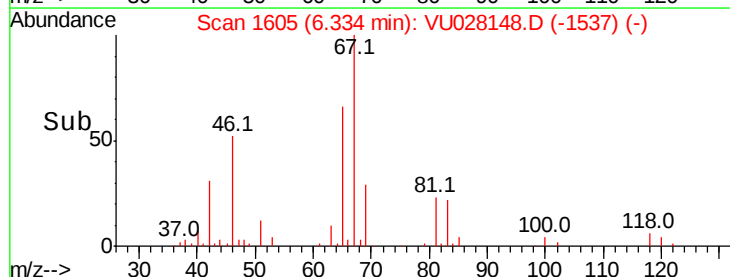
98 0.7 33.3 49.9#

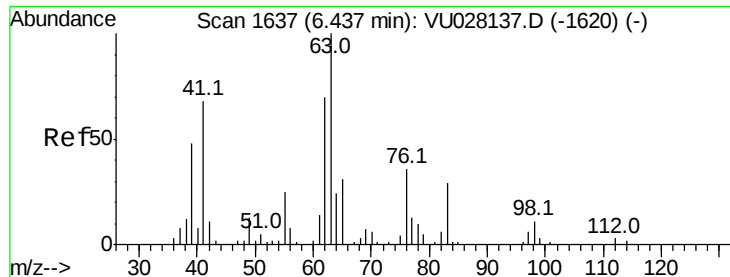


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.535 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.11 min

Lab File: VU028148.D

Acq: 15 Nov 2018 02:54

Instrument :

MSVOA_U

ClientSampleId :

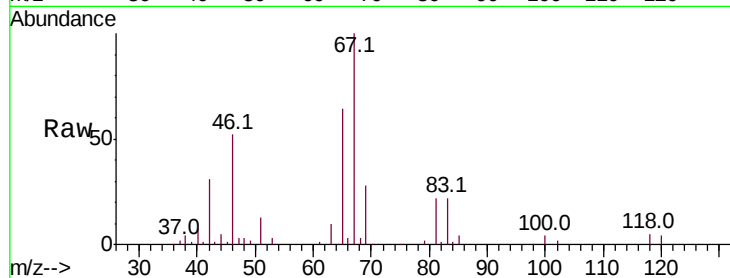
H0FH9

Tot Ion: 63 Resp: 6369

Ion Ratio Lower Upper

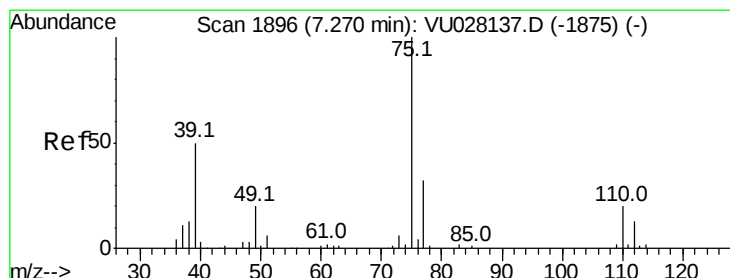
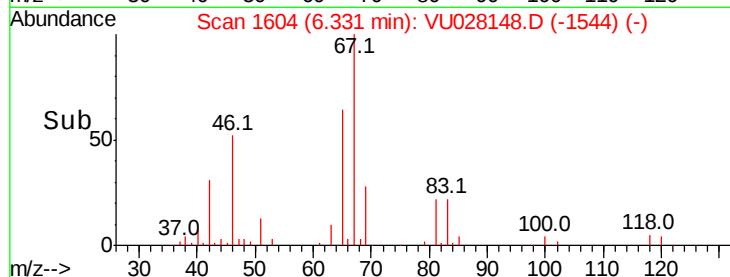
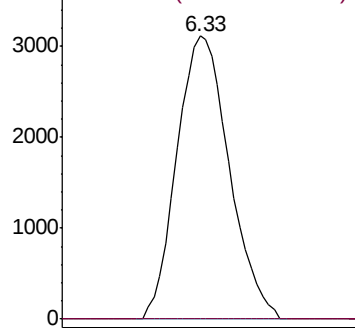
63 100

112 0.0 2.2 3.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU028148.D

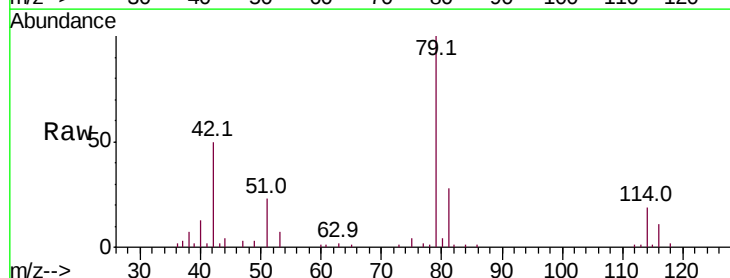
Acq: 15 Nov 2018 02:54

Tgt Ion: 75 Resp: 1363

Ion Ratio Lower Upper

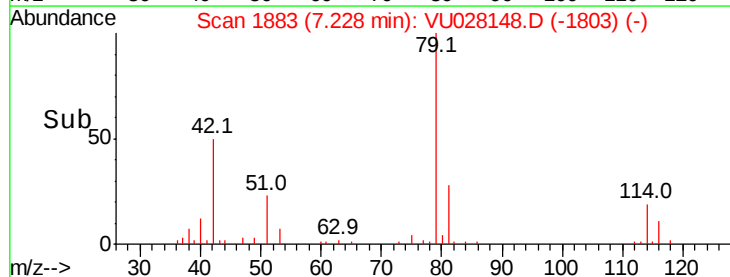
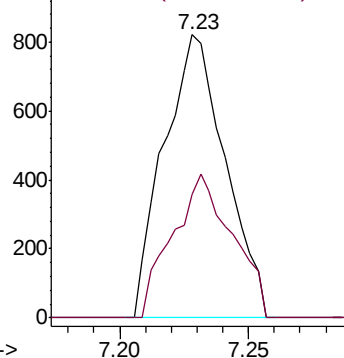
75 100

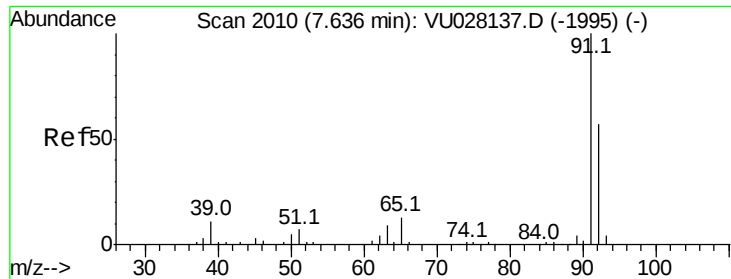
77 43.6 20.9 38.9#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#42

Toluene

Concen: 0.100 ug/L

RT: 7.64 min Scan# 2012

Delta R.T. 0.01 min

Lab File: VU028148.D

Acq: 15 Nov 2018 02:54

Instrument :

MSVOA_U

ClientSampled :

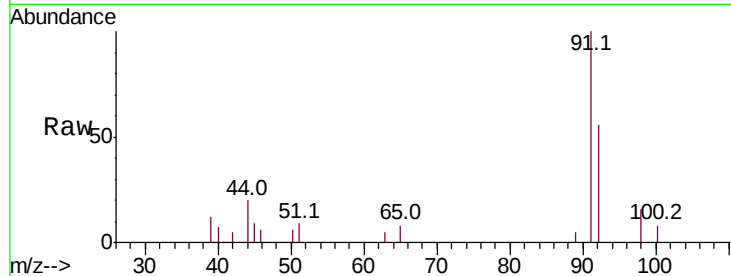
H0FH9

Tot Ion: 91 Resp: 4432

Ion Ratio Lower Upper

91 100

92 55.8 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU028137.D (-1995) (-)

Ion 92.15 (91.85 to 92.85): VU028137.D (-1995) (-)

7.64

2500

2000

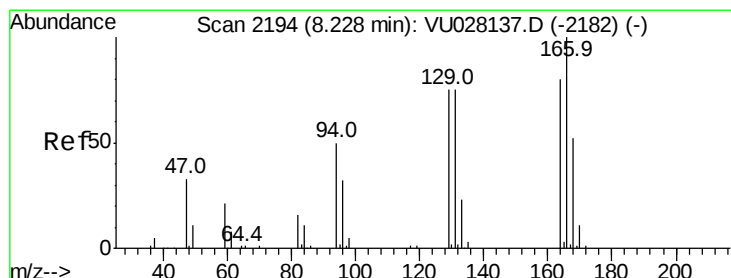
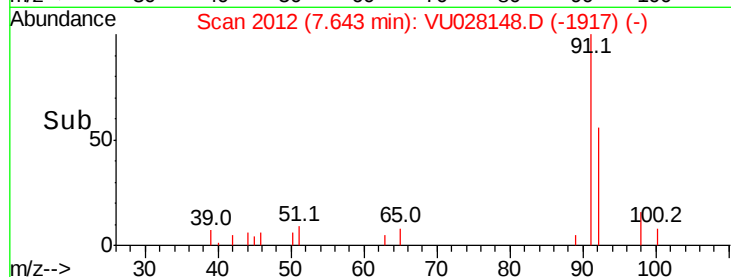
1500

1000

500

0

Time-->



#47

Tetrachloroethene

Concen: 0.087 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028148.D

Acq: 15 Nov 2018 02:54

Tgt Ion:164 Resp: 752

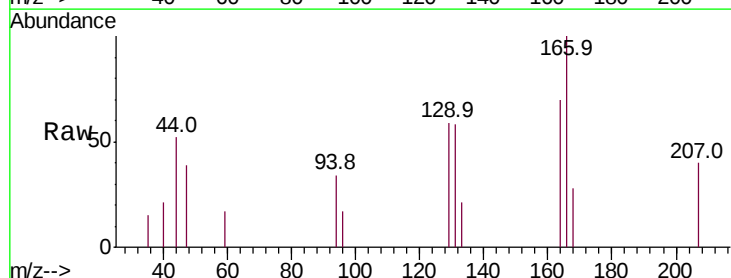
Ion Ratio Lower Upper

164 100

129 83.9 69.7 129.4

131 83.1 64.0 118.8

166 142.1 86.4 160.4



Abundance Ion 163.90 (163.60 to 164.60): VU028137.D (-2182) (-)

Ion 128.95 (128.65 to 129.65): VU028137.D (-2182) (-)

Ion 130.95 (130.65 to 131.65): VU028137.D (-2182) (-)

Ion 165.90 (165.60 to 166.60): VU028137.D (-2182) (-)

1200

1000

800

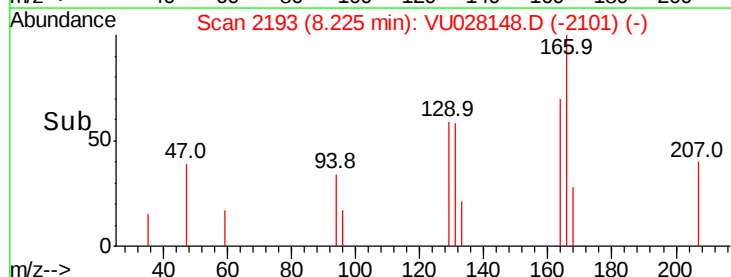
600

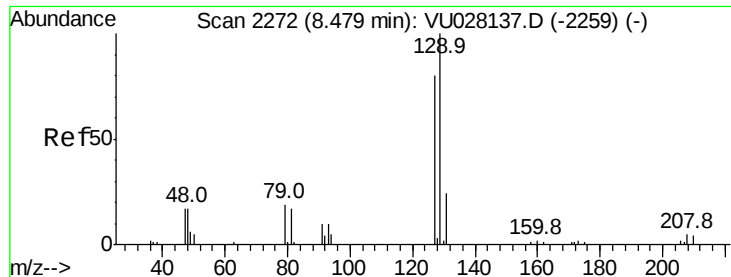
400

200

0

Time-->





#49

Dibromochloromethane

Concen: 0.085 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028148.D

Acq: 15 Nov 2018 02:54

Instrument :

MSVOA_U

ClientSampleId :

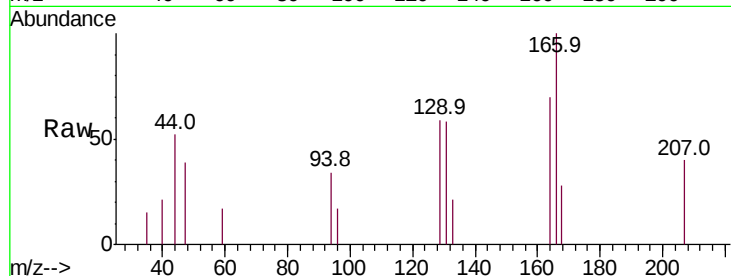
H0FH9

Tot Ion:129 Resp: 648

Ion Ratio Lower Upper

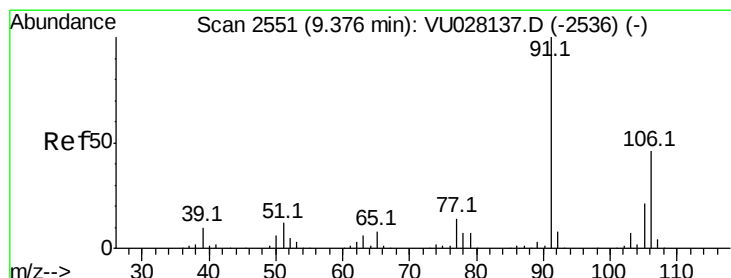
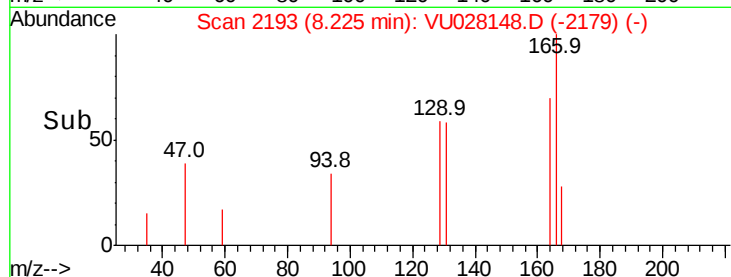
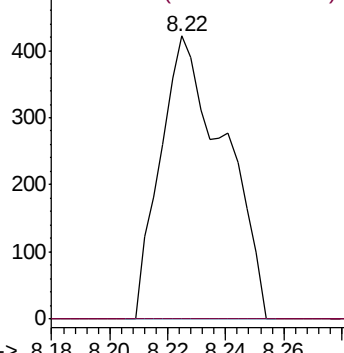
129 100

127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#53

m,p-xylene

Concen: 0.059 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU028148.D

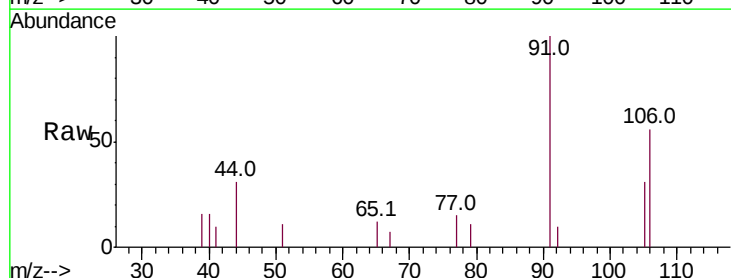
Acq: 15 Nov 2018 02:54

Tgt Ion:106 Resp: 1032

Ion Ratio Lower Upper

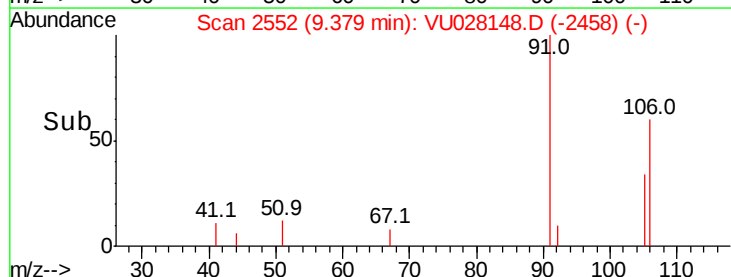
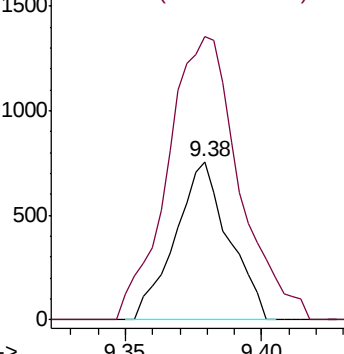
106 100

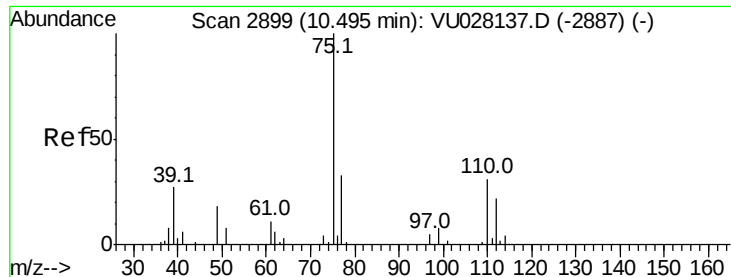
91 178.5 145.7 270.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.191 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028148.D

Acq: 15 Nov 2018 02:54

Instrument :

MSVOA_U

ClientSampleId :

H0FH9

Tot Ion: 75 Resp: 7961

Ion Ratio Lower Upper

75 100

77 40.1 25.4 38.0#

