

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111418\
 Data File : VU028140.D
 Acq On : 14 Nov 2018 23:44
 Operator : MD/SY
 Sample : J5943-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FG5

Quant Time: Nov 15 06:17:44 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	130302	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	124692	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	55574	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47295	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.68	69	40029	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.28	63	70629	3.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.00%
20) 2-Butanone-d5	4.19	46	175794	56.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.12%
24) Chloroform-d	4.65	84	85271	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.31	65	49345	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	5.34	84	175826	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.33	67	64337	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.57	98	155798	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	7.85	79	20428	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.31	63	137702	52.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	46438	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	52574	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Ovalue
5) Vinyl chloride	1.40	62	56212	4.028	ug/L 100
8) Chloroethane	1.76	64	792	0.094	ug/L # 42
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	511	0.060	ug/L # 28
12) 1,1-Dichloroethene	2.29	96	2063	0.238	ug/L # 1
13) Acetone	2.33	43	3435	1.626	ug/L 93
15) Methyl Acetate	2.62	43	787	0.139	ug/L # 58
18) trans-1,2-Dichloroethene	2.98	96	129209	14.027	ug/L 99
19) 1,1-Dichloroethane	3.44	63	1146	0.059	ug/L 94
22) cis-1,2-Dichloroethene	4.23	96	331150	32.607	ug/L 94
33) Benzene	5.40	78	3708	0.088	ug/L 100
34) Trichloroethene	6.19	95	217155	20.916	ug/L 98
35) Methylcyclohexane	6.33	83	13140	0.736	ug/L # 15
37) 1,2-Dichloropropane	6.33	63	6837	0.589	ug/L # 92
39) cis-1,3-Dichloropropene	7.23	75	1473	0.094	ug/L # 51
42) Toluene	7.64	91	2263	0.052	ug/L # 72
47) Tetrachloroethene	8.23	164	4203	0.498	ug/L 95
48) 2-Hexanone	8.31	43	16296	2.863	ug/L # 69

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
Data File : VU028140.D
Acq On : 14 Nov 2018 23:44
Operator : MD/SY
Sample : J5943-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FG5

Quant Time: Nov 15 06:17:44 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

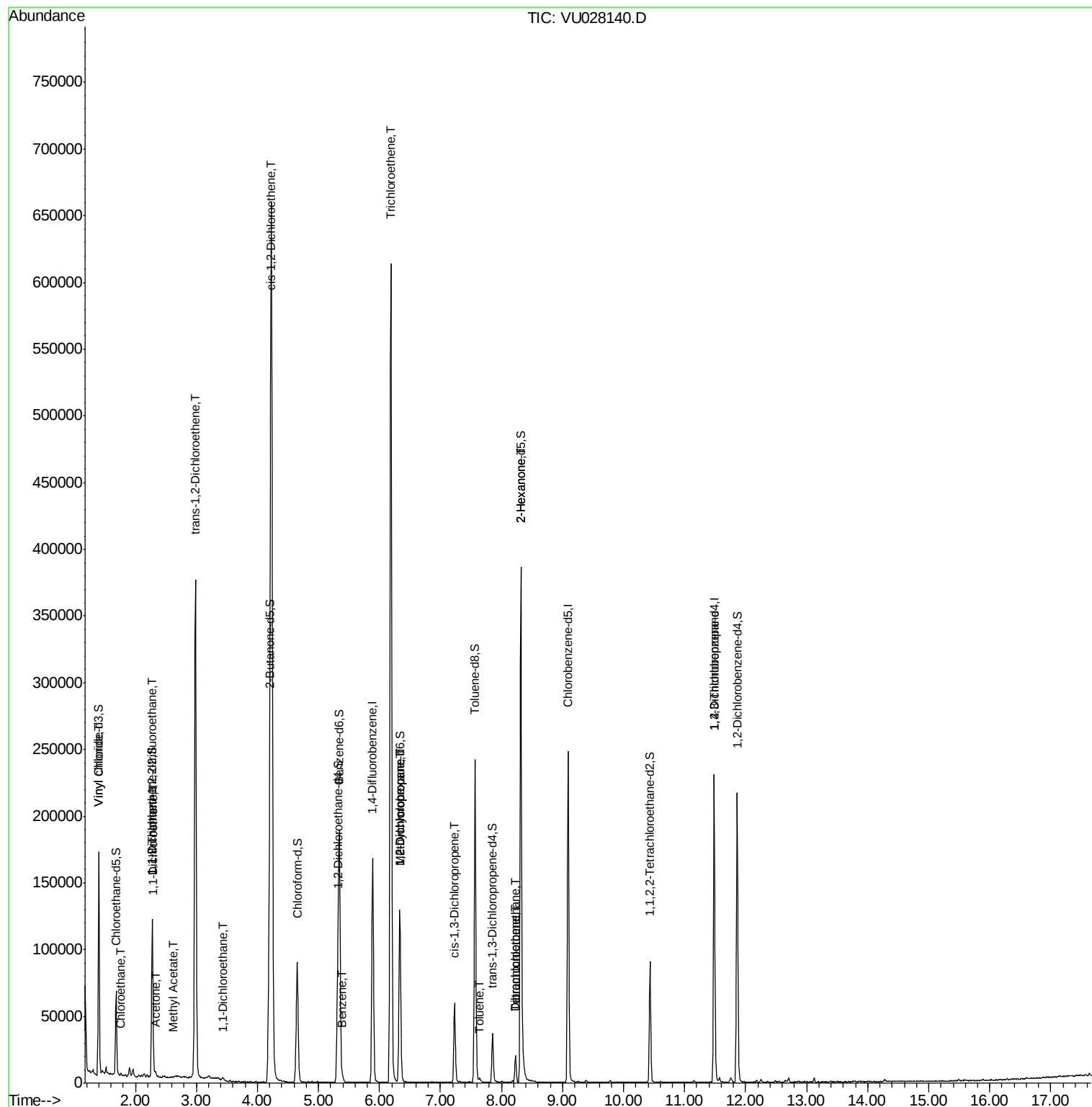
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.23	129	4110	0.550	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	8440	1.294	ug/L	93

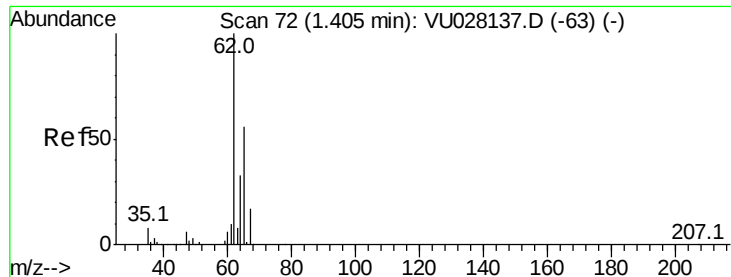
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
Data File : VU028140.D
Acq On : 14 Nov 2018 23:44
Operator : MD/SY
Sample : J5943-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FG5

Quant Time: Nov 15 06:17:44 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





#5

Vinyl chloride

Concen: 4.028 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028140.D

Acq: 14 Nov 2018 23:44

Instrument :

MSVOA_U

ClientSampleId :

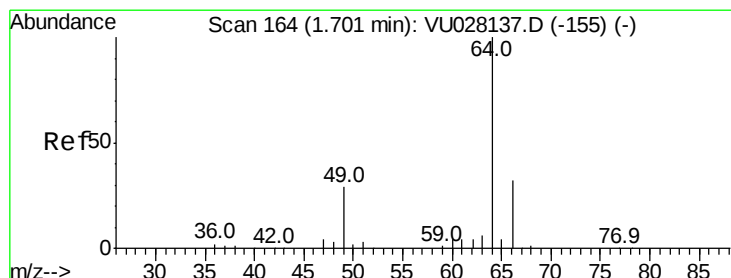
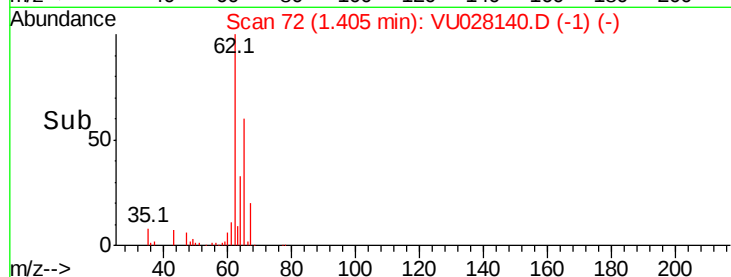
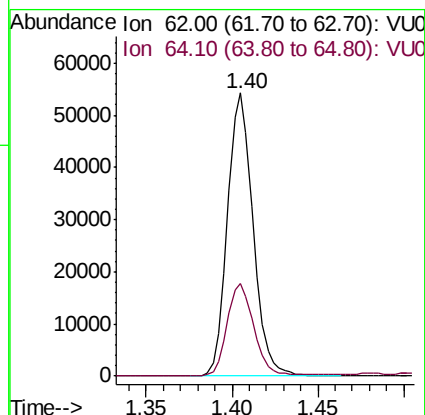
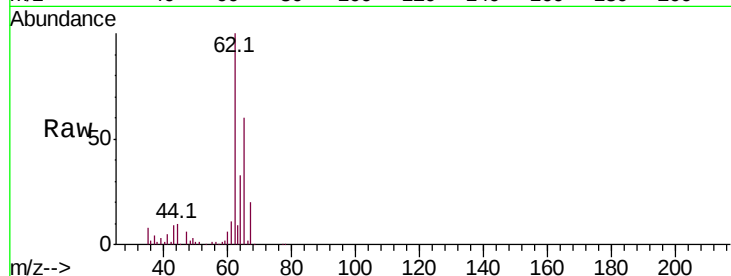
H0FG5

Tot Ion: 62 Resp: 56212

Ion Ratio Lower Upper

62 100

64 32.7 22.7 42.3



#8

Chloroethane

Concen: 0.094 ug/L

RT: 1.76 min Scan# 182

Delta R.T. 0.06 min

Lab File: VU028140.D

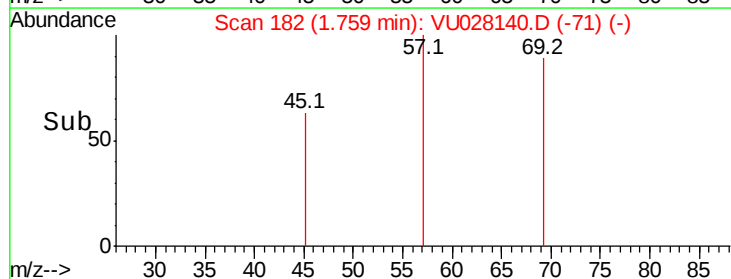
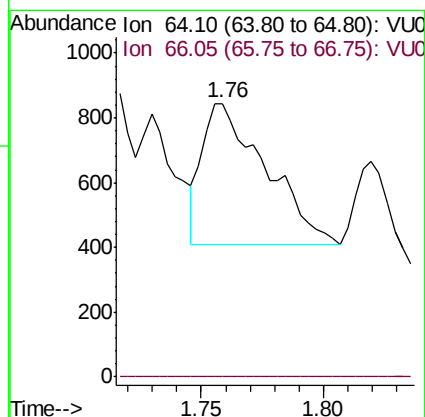
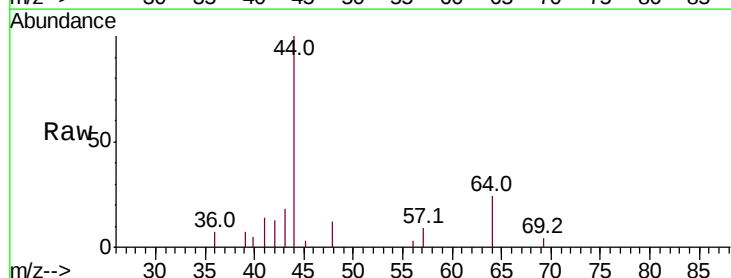
Acq: 14 Nov 2018 23:44

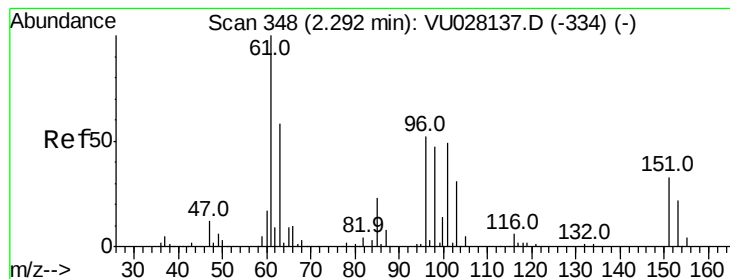
Tgt Ion: 64 Resp: 792

Ion Ratio Lower Upper

64 100

66 0.0 23.1 42.9#





#10

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

Concen: 0.060 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028140.D

Acq: 14 Nov 2018 23:44

Instrument :

MSVOA_U

ClientSampleId :

H0FG5

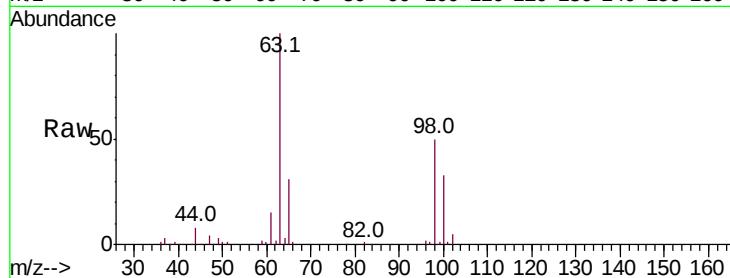
Tot Ion:101 Resp: 511

Ion Ratio Lower Upper

101 100

85 13.5 37.6 56.4#

151 0.0 58.2 87.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.28

400

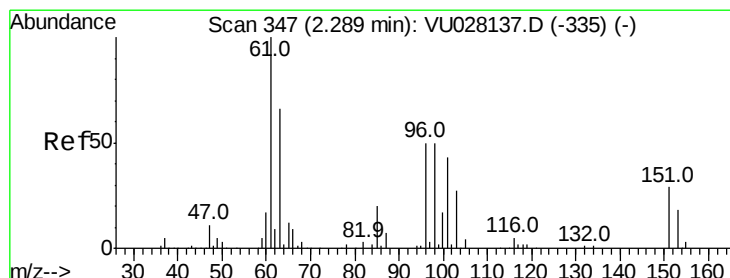
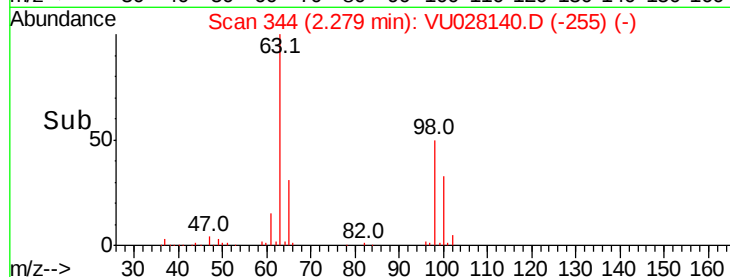
300

200

100

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.238 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU028140.D

Acq: 14 Nov 2018 23:44

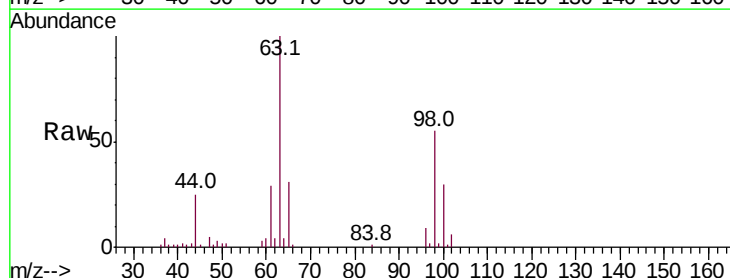
Tgt Ion: 96 Resp: 2063

Ion Ratio Lower Upper

96 100

61 323.2 134.8 250.3#

63 1110.9 100.1 185.9#



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

60000

50000

40000

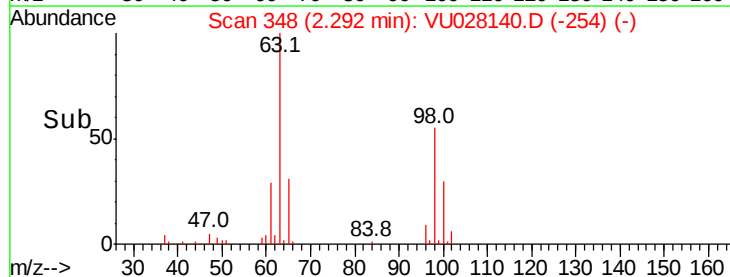
30000

20000

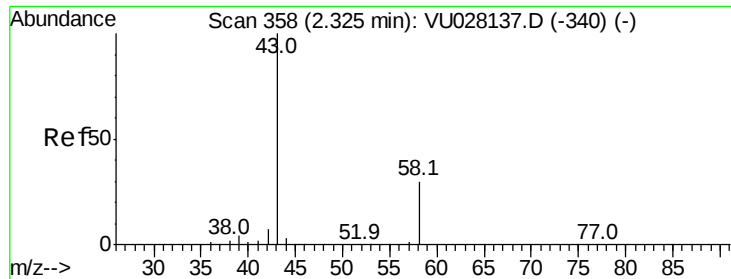
10000

0

Time-->



2.29



#13

Acetone

Concen: 1.626 ug/L

RT: 2.33 min Scan# 359

Delta R.T. 0.00 min

Lab File: VU028140.D

Acq: 14 Nov 2018 23:44

Instrument :

MSVOA_U

ClientSampleId :

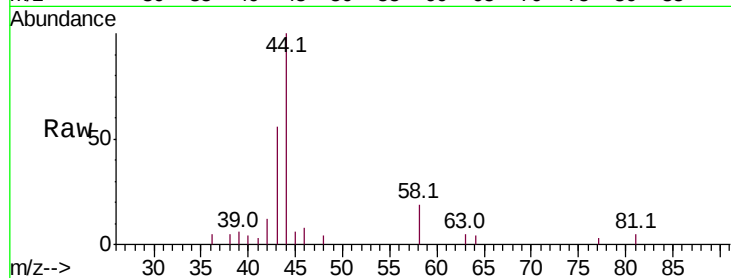
H0FG5

Tot Ion: 43 Resp: 3435

Ion Ratio Lower Upper

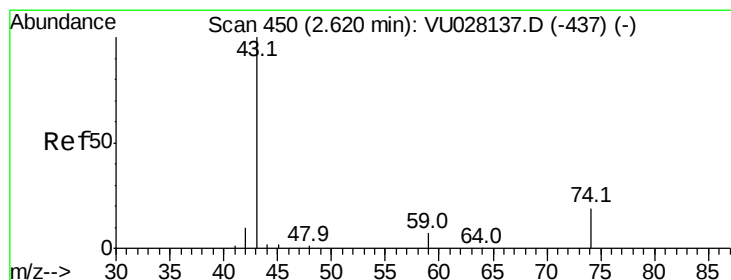
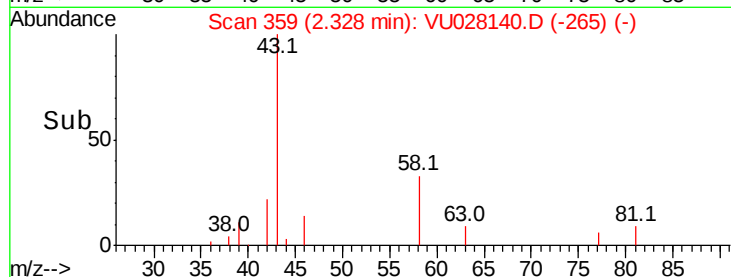
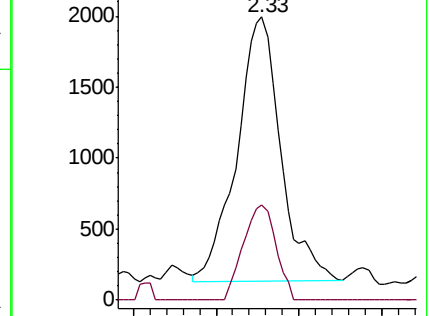
43 100

58 26.7 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#15

Methyl Acetate

Concen: 0.139 ug/L

RT: 2.62 min Scan# 451

Delta R.T. 0.00 min

Lab File: VU028140.D

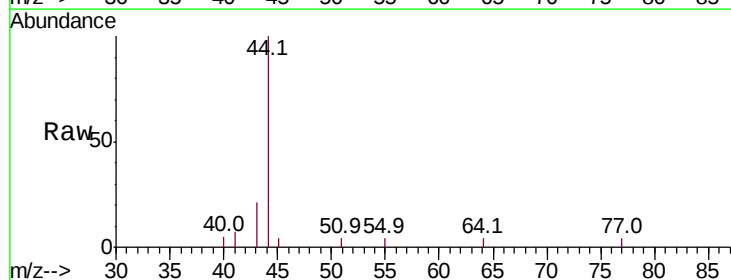
Acq: 14 Nov 2018 23:44

Tgt Ion: 43 Resp: 787

Ion Ratio Lower Upper

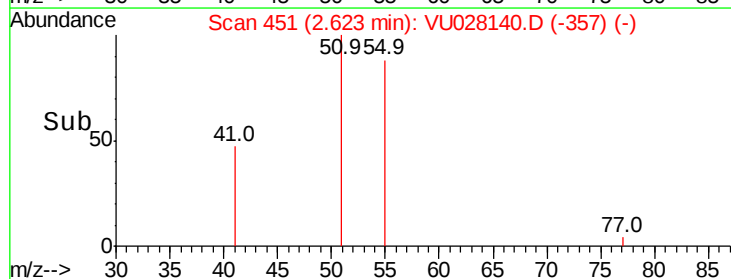
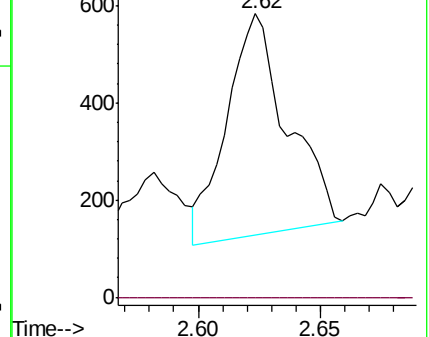
43 100

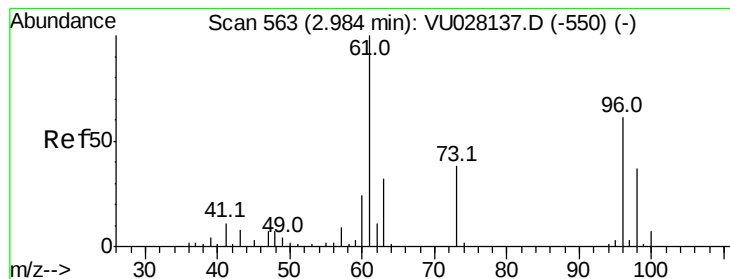
74 0.0 14.9 22.3#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0





#18

trans-1,2-Dichloroethene

Concen: 14.027 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028140.D

Acq: 14 Nov 2018 23:44

Instrument :

MSVOA_U

ClientSampleId :

H0FG5

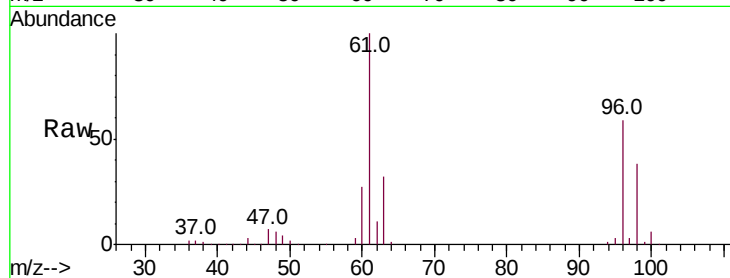
Tot Ion: 96 Resp: 129209

Ion Ratio Lower Upper

96 100

61 168.6 118.5 220.1

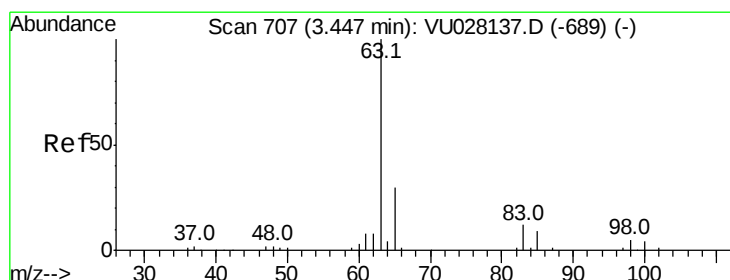
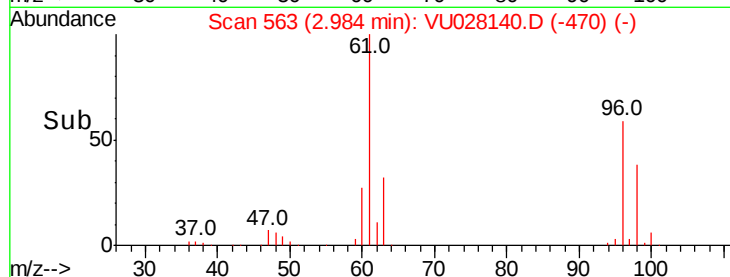
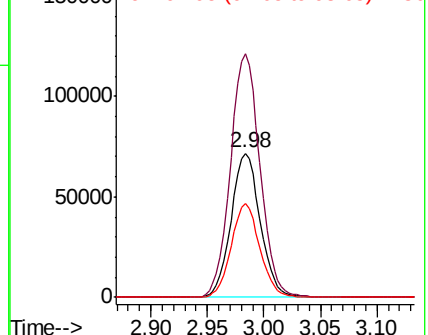
98 64.7 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU028137.D (-550) (-)

Ion 61.05 (60.75 to 61.75): VU028137.D (-550) (-)

Ion 97.95 (97.65 to 98.65): VU028137.D (-550) (-)



#19

1,1-Dichloroethane

Concen: 0.059 ug/L

RT: 3.44 min Scan# 705

Delta R.T. -0.01 min

Lab File: VU028140.D

Acq: 14 Nov 2018 23:44

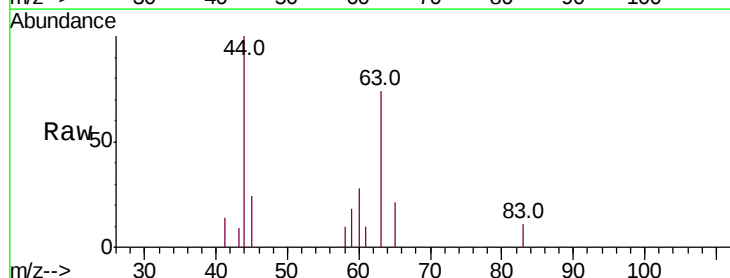
Tgt Ion: 63 Resp: 1146

Ion Ratio Lower Upper

63 100

65 28.0 22.2 41.2

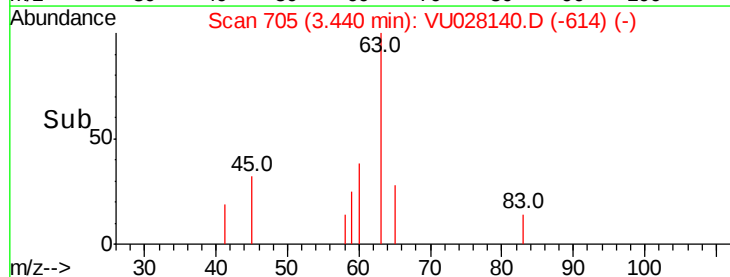
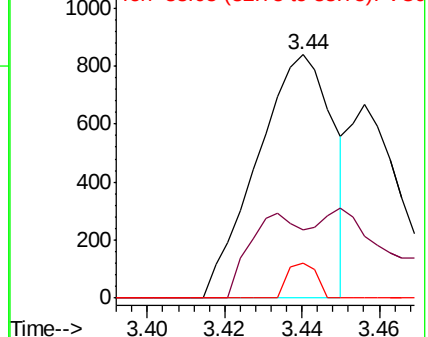
83 14.4 8.9 16.5

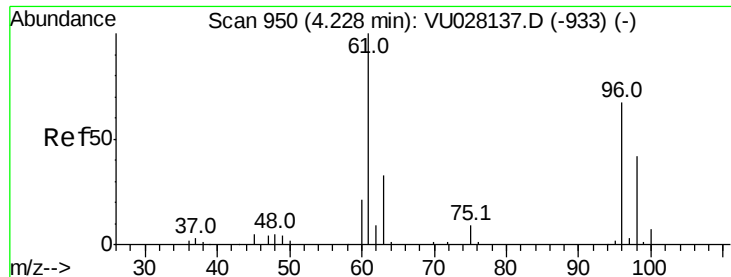


Abundance Ion 63.10 (62.80 to 63.80): VU028137.D (-689) (-)

Ion 65.10 (64.80 to 65.80): VU028137.D (-689) (-)

Ion 83.05 (82.75 to 83.75): VU028137.D (-689) (-)





#22

cis-1,2-Dichloroethene

Concen: 32.607 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028140.D

Acq: 14 Nov 2018 23:44

Instrument :

MSVOA_U

ClientSampleId :

H0FG5

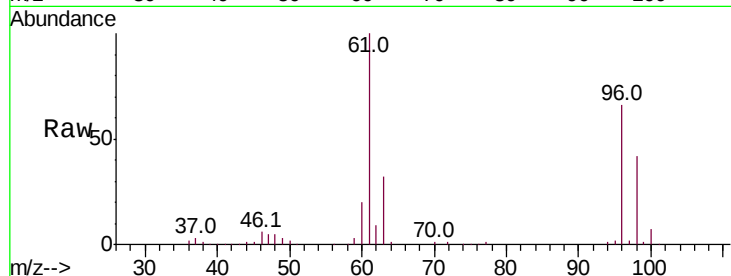
Tot Ion: 96 Resp: 331150

Ion Ratio Lower Upper

96 100

61 152.6 101.8 189.0

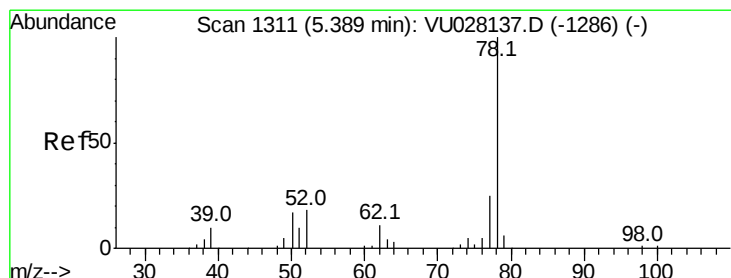
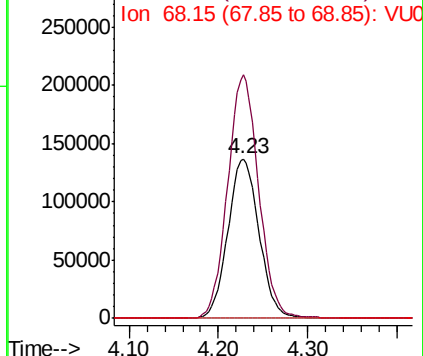
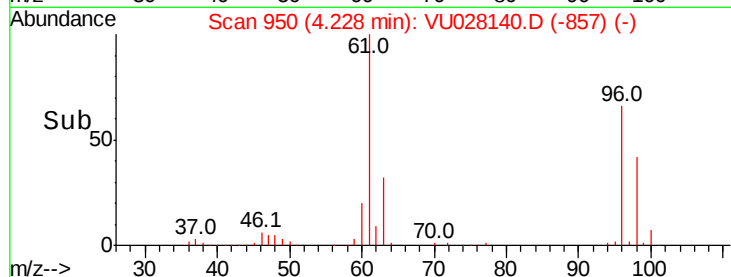
68 0.0 0.0 0.0



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



#33

Benzene

Concen: 0.088 ug/L

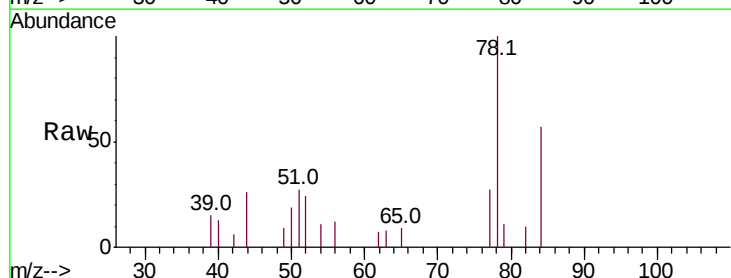
RT: 5.40 min Scan# 1313

Delta R.T. 0.01 min

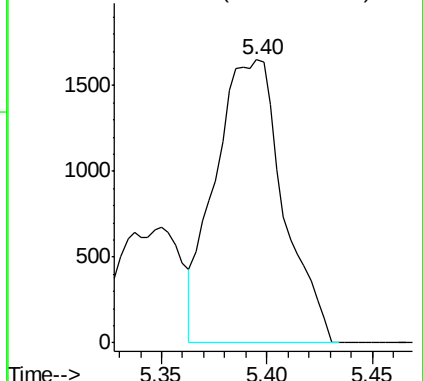
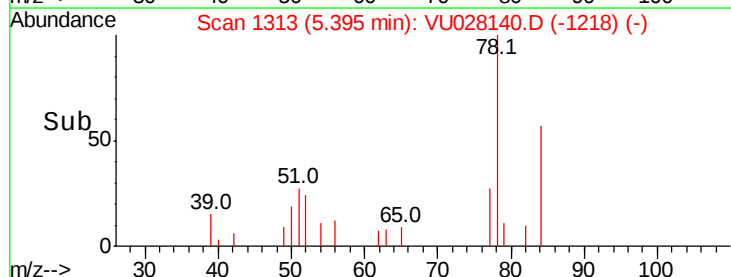
Lab File: VU028140.D

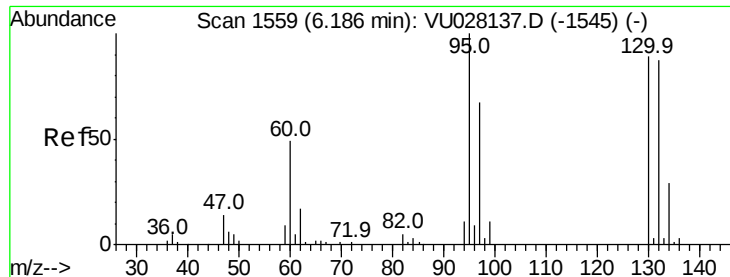
Acq: 14 Nov 2018 23:44

Tgt Ion: 78 Resp: 3708



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 20.916 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028140.D

Acq: 14 Nov 2018 23:44

Instrument :

MSVOA_U

ClientSampleId :

H0FG5

Tot Ion: 95 Resp: 217155

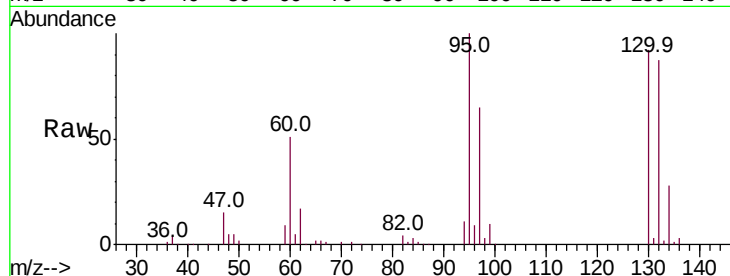
Ion Ratio Lower Upper

95 100

97 64.5 45.3 84.1

132 87.5 63.0 117.0

130 92.3 63.6 118.2

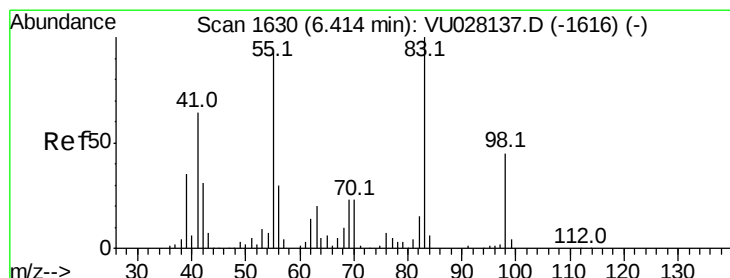
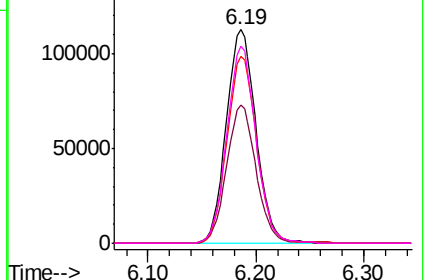
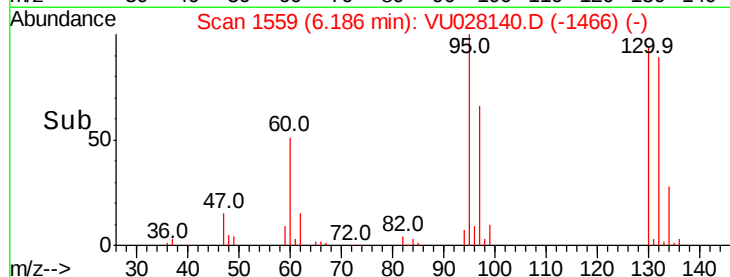


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.736 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028140.D

Acq: 14 Nov 2018 23:44

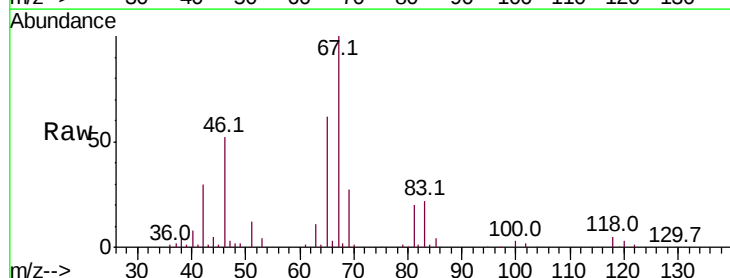
Tgt Ion: 83 Resp: 13140

Ion Ratio Lower Upper

83 100

55 0.0 69.0 103.4#

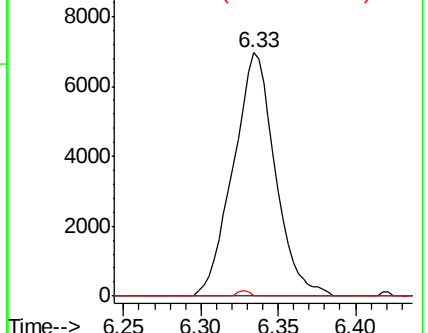
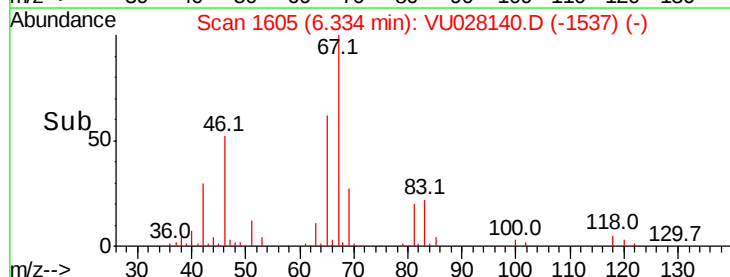
98 0.0 33.3 49.9#

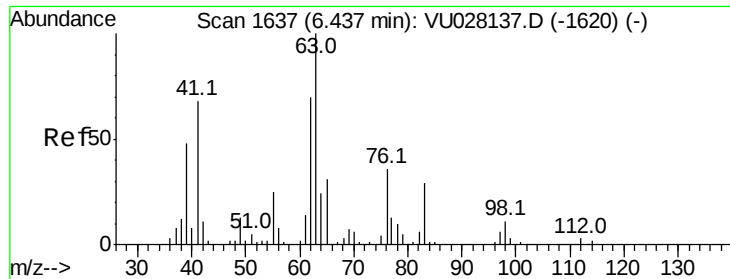


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.589 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU028140.D

Acq: 14 Nov 2018 23:44

Instrument :

MSVOA_U

ClientSampled :

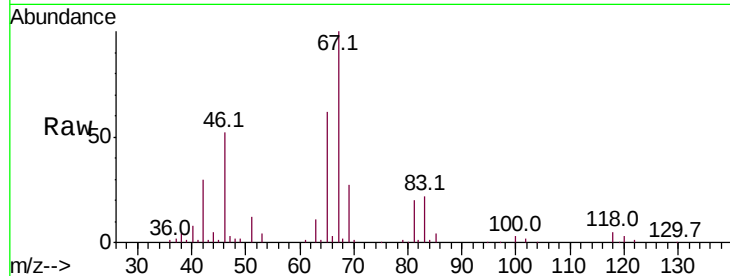
H0FG5

Tot Ion: 63 Resp: 6837

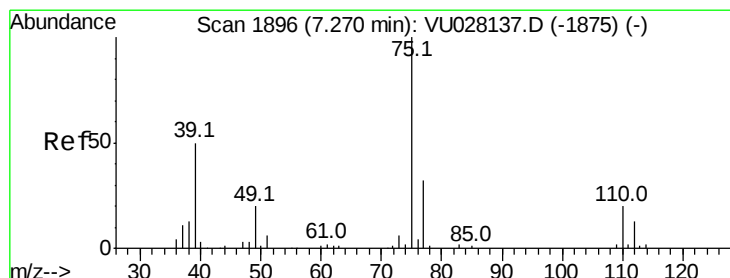
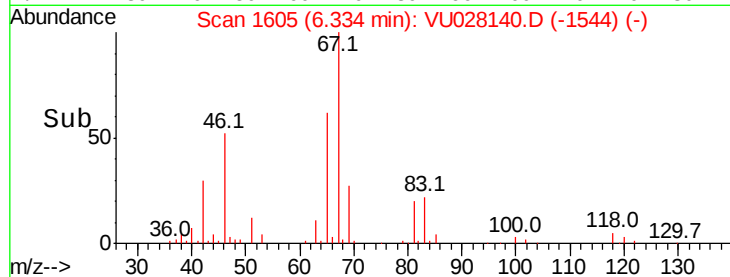
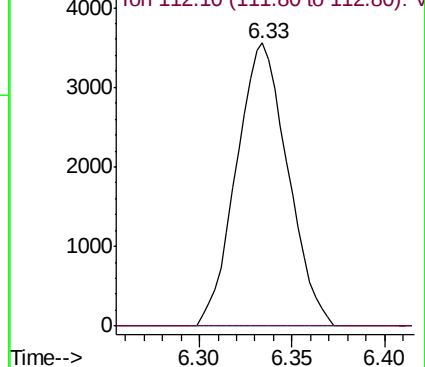
Ion Ratio Lower Upper

63 100

112 0.0 2.2 3.4#



Abundance Ion 63.10 (62.80 to 63.80): VU028137.D (-1620) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU028140.D

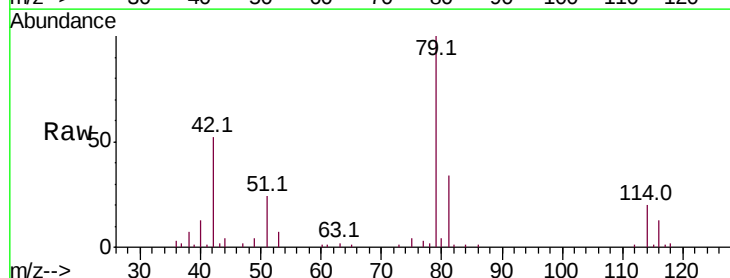
Acq: 14 Nov 2018 23:44

Tgt Ion: 75 Resp: 1473

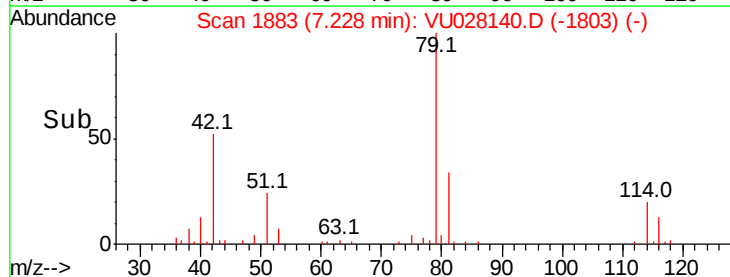
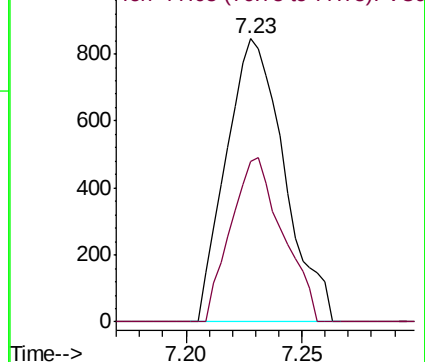
Ion Ratio Lower Upper

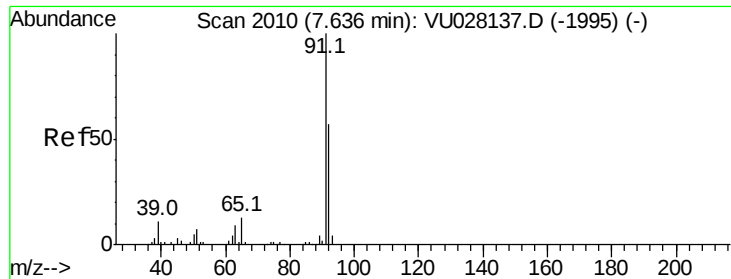
75 100

77 56.6 20.9 38.9#



Abundance Ion 75.05 (74.75 to 75.75): VU028137.D (-1875) (-)





#42

Toluene

Concen: 0.052 ug/L

RT: 7.64 min Scan# 2012

Delta R.T. 0.01 min

Lab File: VU028140.D

Acq: 14 Nov 2018 23:44

Instrument :

MSVOA_U

ClientSampled :

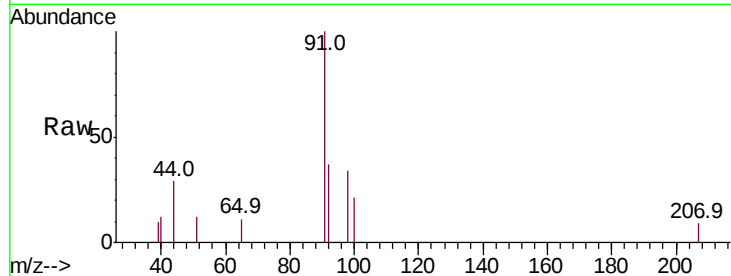
H0FG5

Tot Ion: 91 Resp: 2263

Ion Ratio Lower Upper

91 100

92 37.4 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

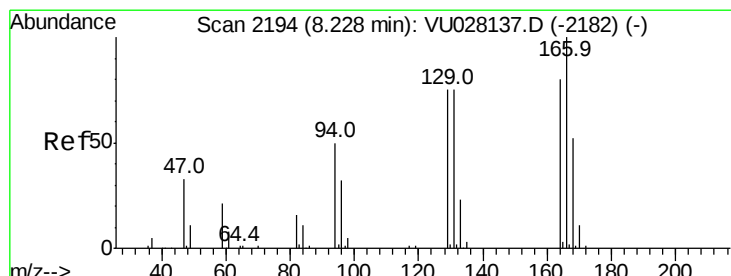
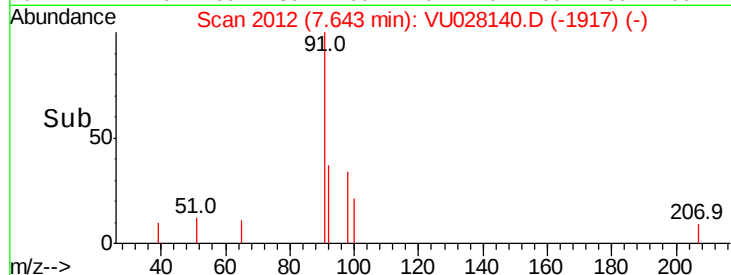
1500

1000

500

0

Time-->



#47

Tetrachloroethene

Concen: 0.498 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028140.D

Acq: 14 Nov 2018 23:44

Tgt Ion:164 Resp: 4203

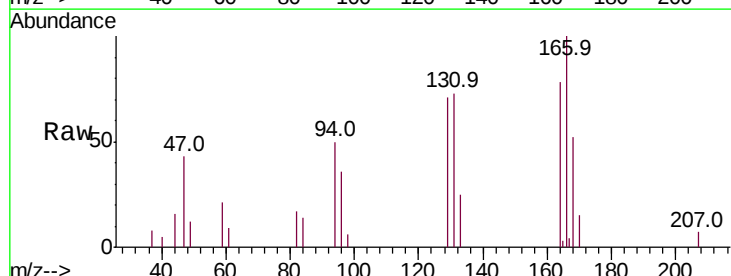
Ion Ratio Lower Upper

164 100

129 91.5 69.7 129.4

131 94.3 64.0 118.8

166 128.5 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) (-)

5000

4000

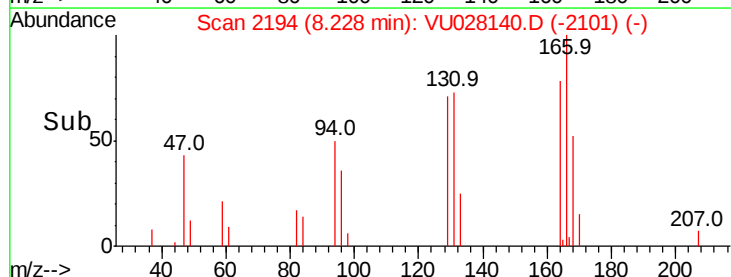
3000

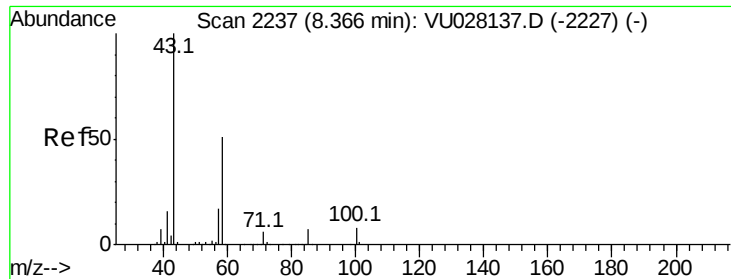
2000

1000

0

Time-->

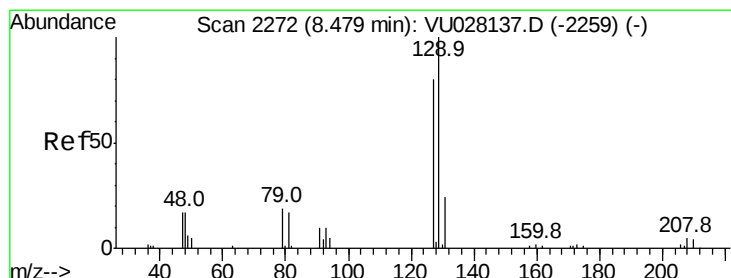
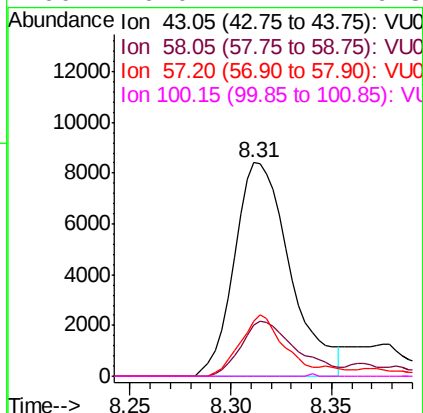
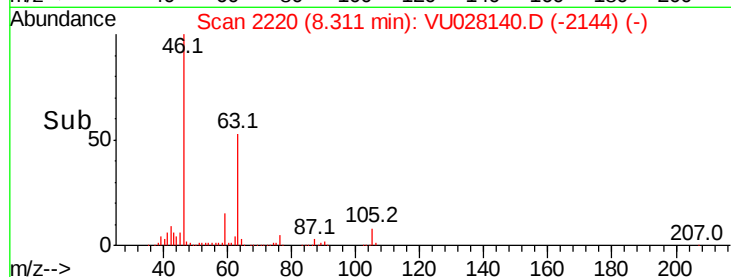
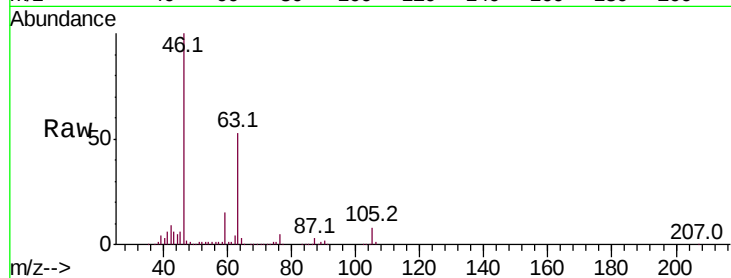




#48
2-Hexanone
Concen: 2.863 ug/L
RT: 8.31 min Scan# 2220
Delta R.T. -0.05 min
Lab File: VU028140.D
Acq: 14 Nov 2018 23:44

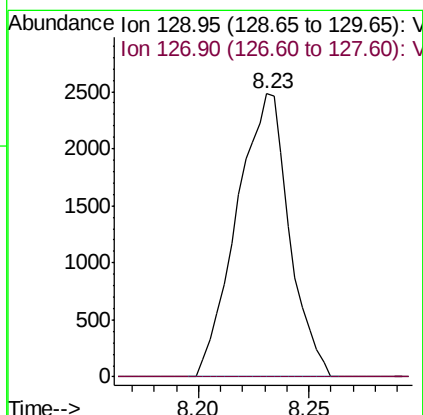
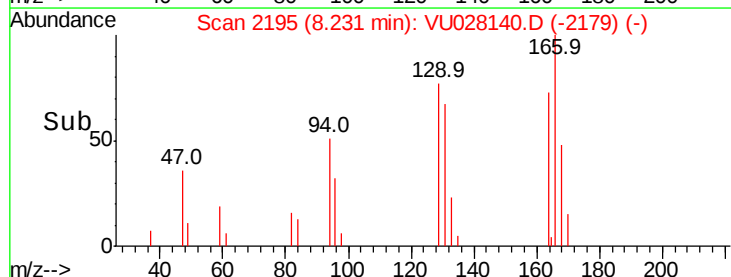
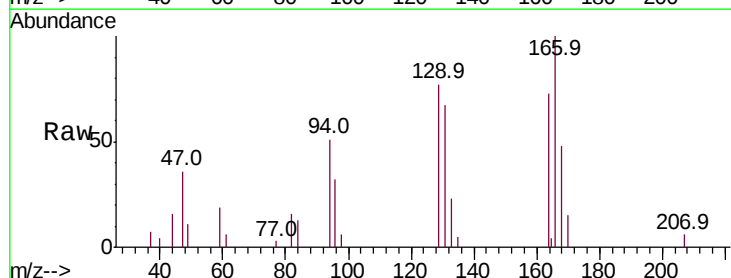
Instrument :
MSVOA_U
ClientSampled :
H0FG5

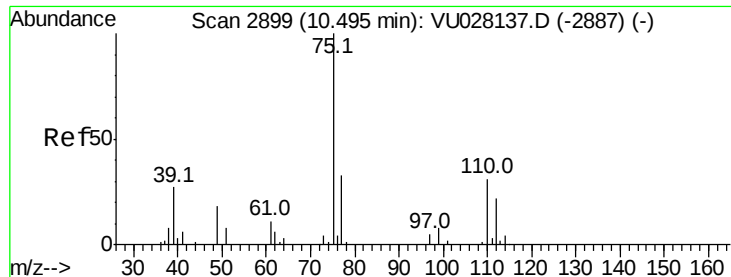
Tot Ion: 43 Resp: 16296
Ion Ratio Lower Upper
43 100
58 25.7 41.7 62.5#
57 24.7 14.0 21.0#
100 0.0 7.2 10.8#



#49
Dibromochloromethane
Concen: 0.550 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. -0.25 min
Lab File: VU028140.D
Acq: 14 Nov 2018 23:44

Tgt Ion: 129 Resp: 4110
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#





#59

1,2,3-Trichloropropane

Concen: 1.294 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028140.D

Acq: 14 Nov 2018 23:44

Instrument :

MSVOA_U

ClientSampleId :

H0FG5

Tot Ion: 75 Resp: 8440

Ion Ratio Lower Upper

75 100

77 35.6 25.4 38.0

