

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028142.D
 Acq On : 15 Nov 2018 00:31
 Operator : MD/SY
 Sample : J5943-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FH3

Quant Time: Nov 15 06:18:07 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	132346	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	123335	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	57816	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	60255	5.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.80%
7) Chloroethane-d5	1.68	69	42392	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.28	63	74095	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.20%
20) 2-Butanone-d5	4.20	46	179659	56.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.80%
24) Chloroform-d	4.65	84	87187	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.31	65	50844	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.34	84	178853	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.33	67	65947	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.57	98	155096	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.85	79	20146	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.31	63	138061	53.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.00%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	46648	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	55180	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Ovalue
3) Chloromethane	1.40	50	7154	0.479 ug/L #	42
5) Vinyl chloride	1.40	62	1239999	87.473 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	554	0.064 ug/L #	44
12) 1,1-Dichloroethene	2.29	96	3945	0.448 ug/L #	1
13) Acetone	2.32	43	3942	1.838 ug/L	78
18) trans-1,2-Dichloroethene	2.98	96	345338	36.912 ug/L	99
19) 1,1-Dichloroethane	3.45	63	4169	0.212 ug/L	96
22) cis-1,2-Dichloroethene	4.23	96	922137	89.396 ug/L	97
27) 1,2-Dichloroethane	5.42	62	772	0.067 ug/L #	76
33) Benzene	5.40	78	4395	0.106 ug/L	100
34) Trichloroethene	6.19	95	33072	3.221 ug/L	97
35) Methylcyclohexane	6.33	83	13042	0.739 ug/L #	16
37) 1,2-Dichloropropane	6.33	63	6504	0.566 ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1312	0.084 ug/L #	57
42) Toluene	7.64	91	2218	0.052 ug/L	85
47) Tetrachloroethene	8.22	164	760	0.091 ug/L #	77
48) 2-Hexanone	8.37	43	2573	0.457 ug/L #	77

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 15 06:14:20 2018
Response via : Initial Calibration

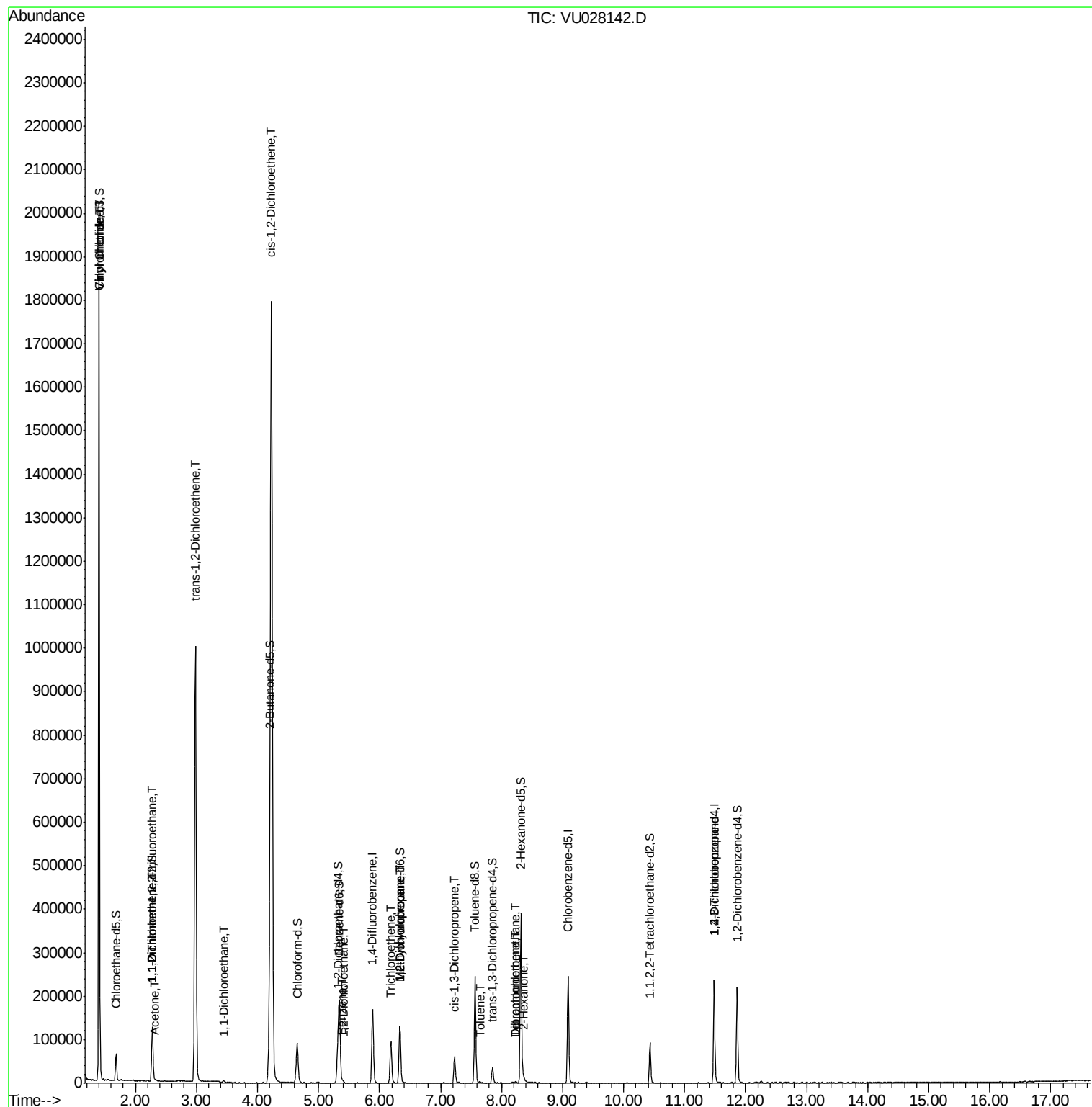
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.23	129	784	0.106	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	8343	1.293	ug/L	92

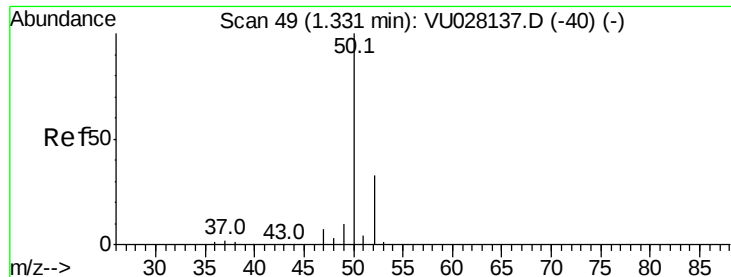
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.479 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.07 min

Lab File: VU028142.D

Acq: 15 Nov 2018 00:31

Instrument :

MSVOA_U

ClientSampleId :

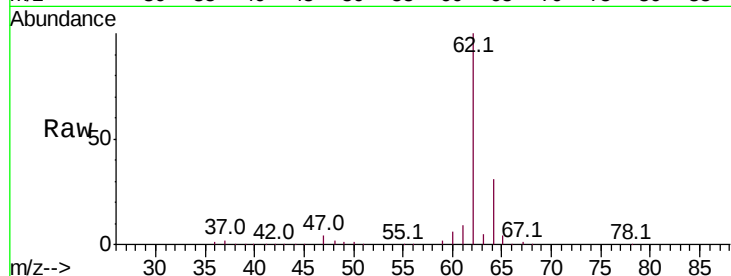
H0FH3

Tot Ion: 50 Resp: 7154

Ion Ratio Lower Upper

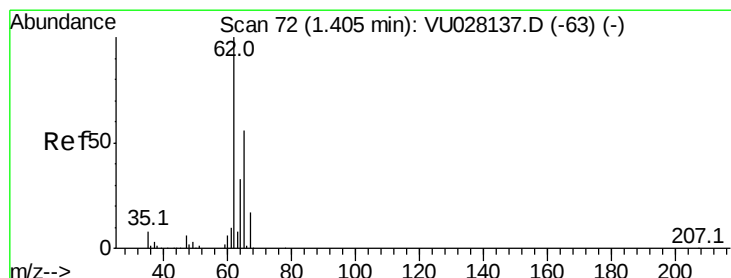
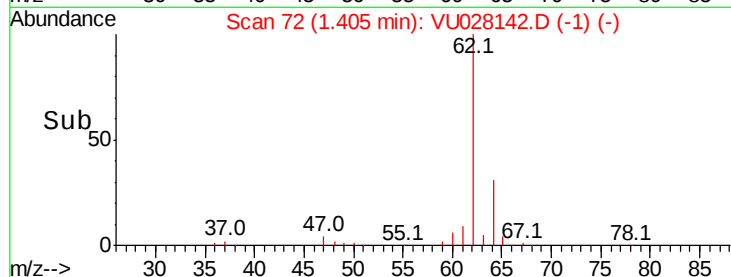
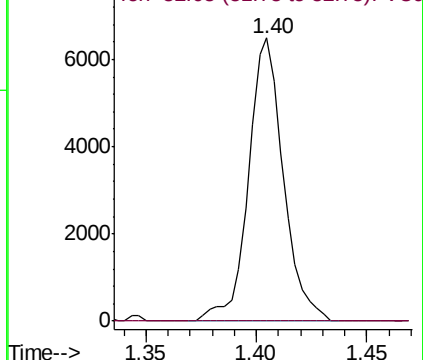
50 100

52 0.0 23.0 42.6#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 87.473 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028142.D

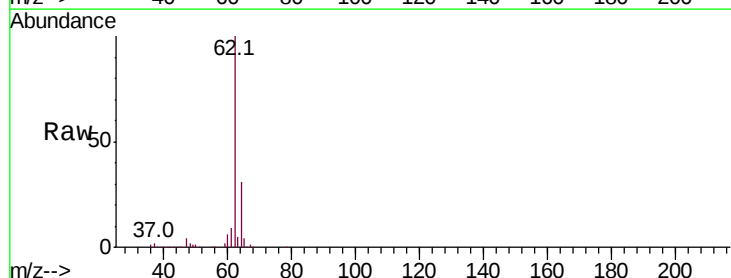
Acq: 15 Nov 2018 00:31

Tgt Ion: 62 Resp: 1239999

Ion Ratio Lower Upper

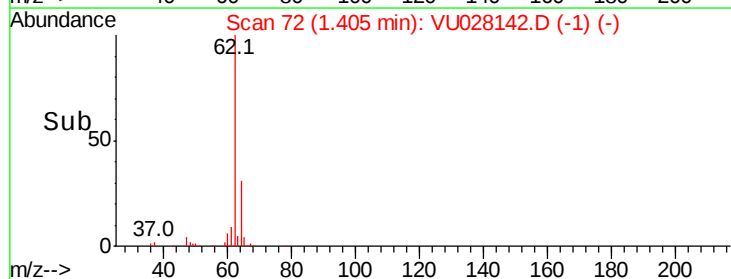
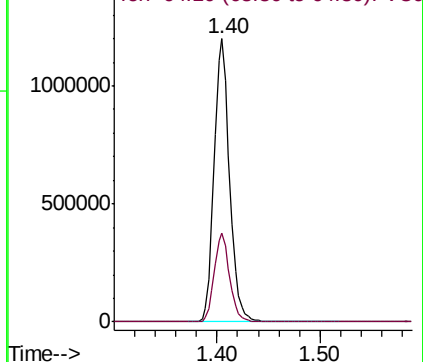
62 100

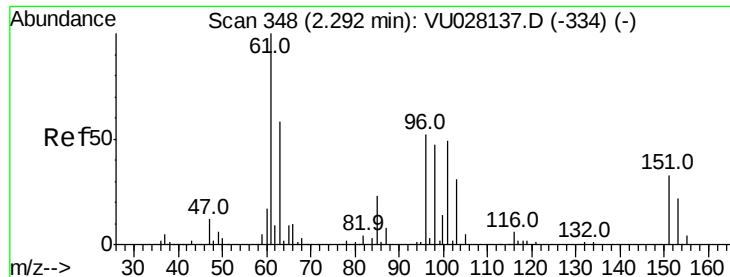
64 31.3 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#10

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

Concen: 0.064 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028142.D

Acq: 15 Nov 2018 00:31

Instrument :

MSVOA_U

ClientSampleId :

H0FH3

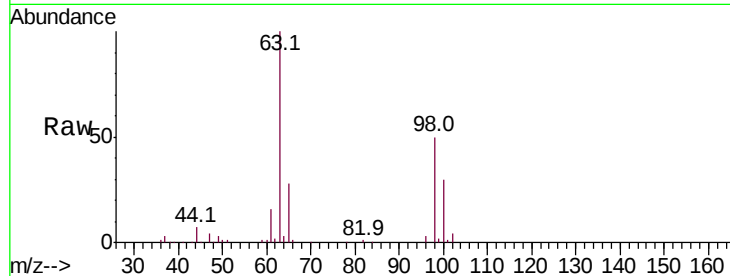
Tot Ion:101 Resp: 554

Ion Ratio Lower Upper

101 100

85 52.3 37.6 56.4

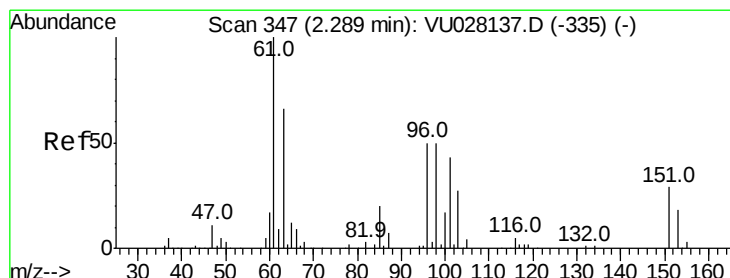
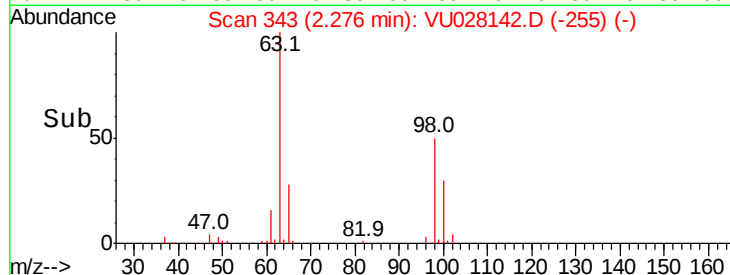
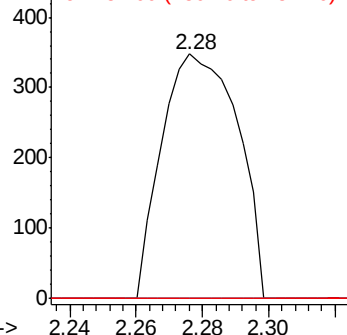
151 0.0 58.2 87.2#



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



#12

1,1-Dichloroethene

Concen: 0.448 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028142.D

Acq: 15 Nov 2018 00:31

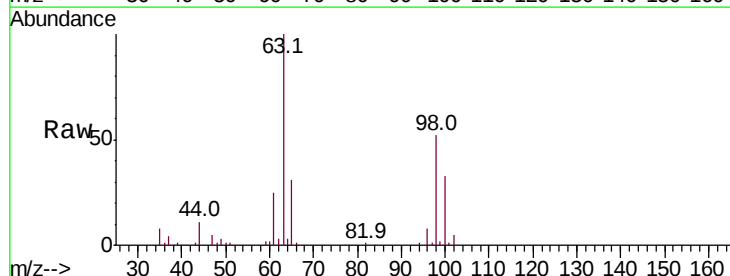
Tgt Ion: 96 Resp: 3945

Ion Ratio Lower Upper

96 100

61 324.8 134.8 250.3#

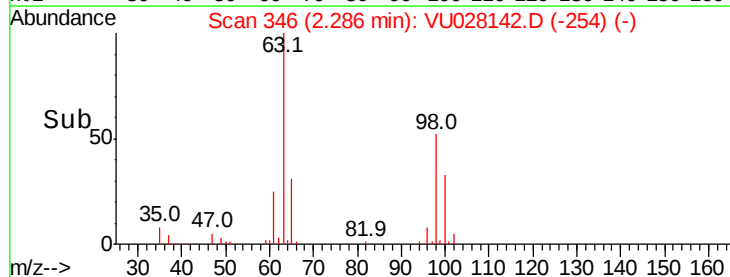
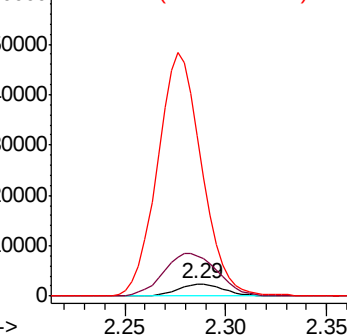
63 1286.1 100.1 185.9#

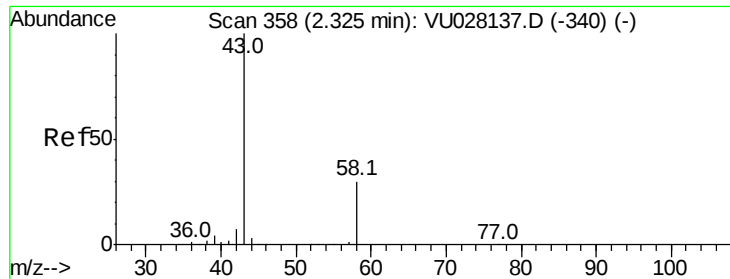


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.838 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028142.D

Acq: 15 Nov 2018 00:31

Instrument :

MSVOA_U

ClientSampleId :

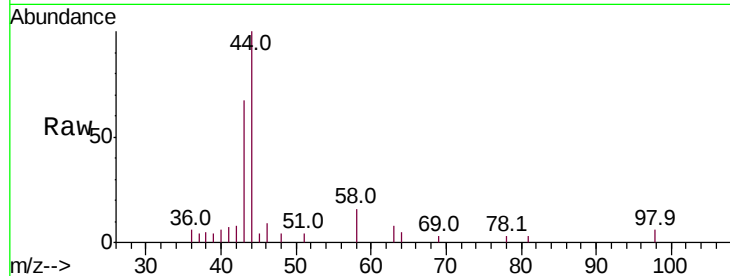
H0FH3

Tot Ion: 43 Resp: 3942

Ion Ratio Lower Upper

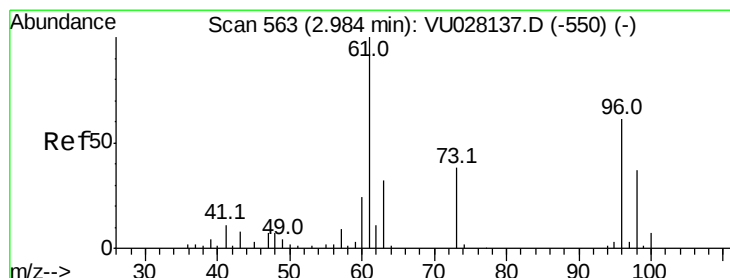
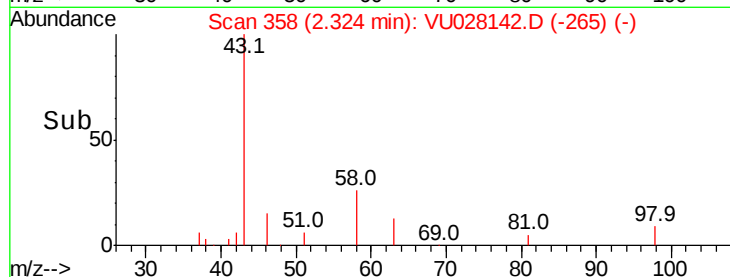
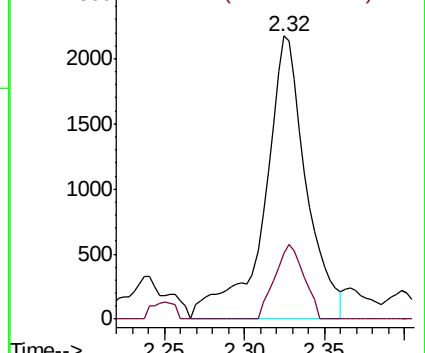
43 100

58 18.5 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#18

trans-1,2-Dichloroethene

Concen: 36.912 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028142.D

Acq: 15 Nov 2018 00:31

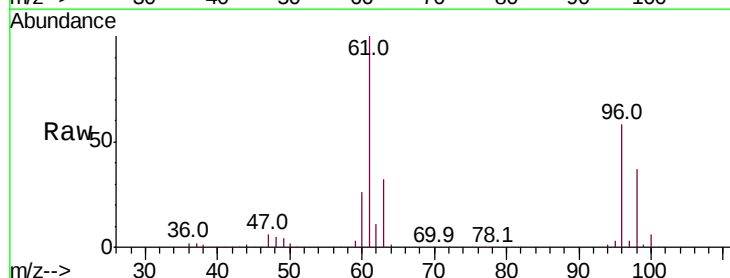
Tgt Ion: 96 Resp: 345338

Ion Ratio Lower Upper

96 100

61 171.6 118.5 220.1

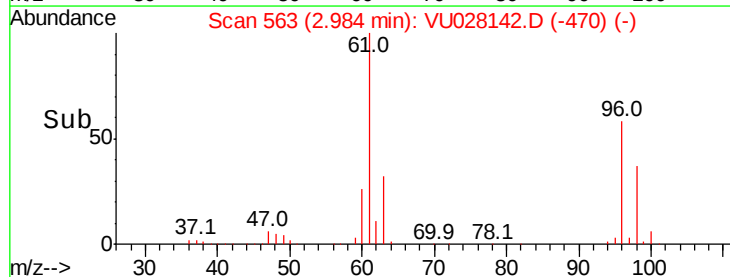
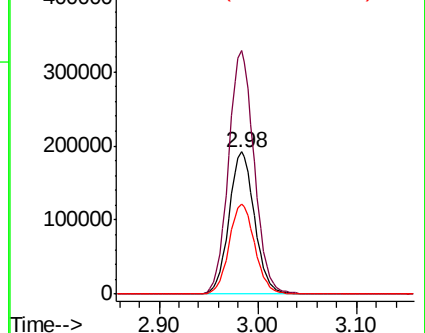
98 63.6 44.9 83.5

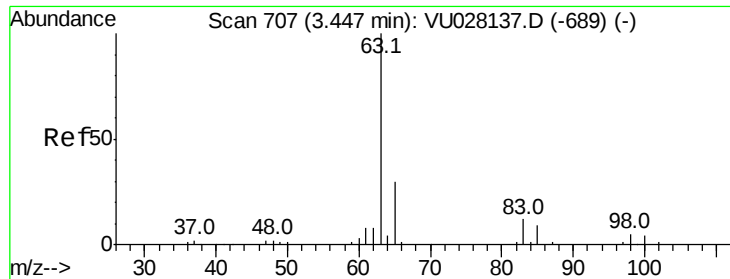


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



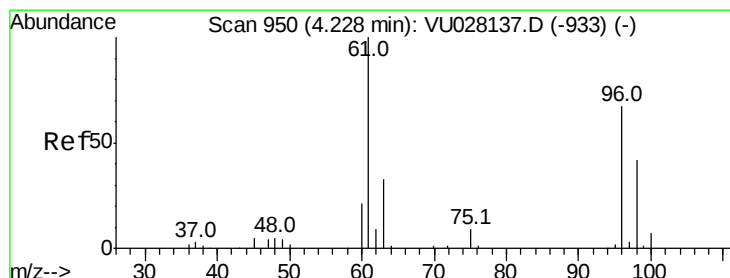
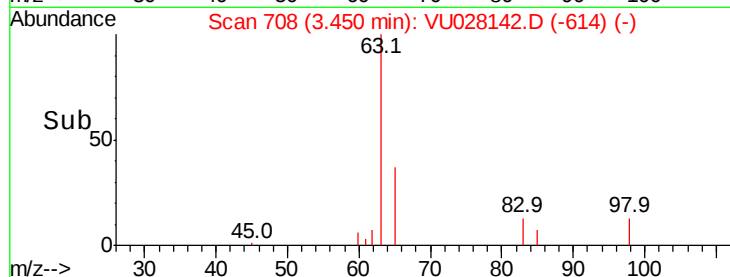
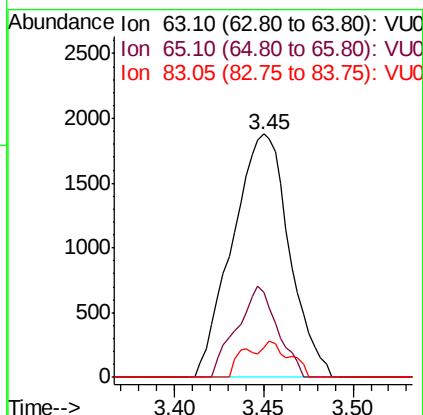
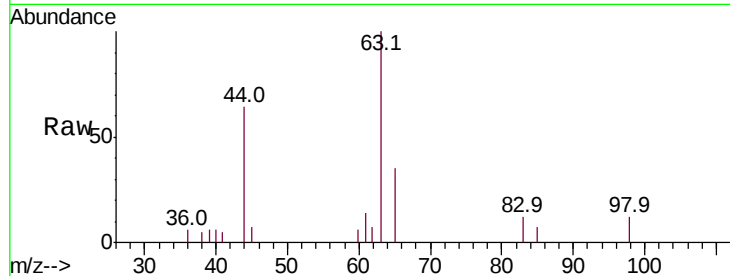


#19
 1,1-Dichloroethane
 Concen: 0.212 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU028142.D
 Acq: 15 Nov 2018 00:31

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FH3

Tot Ion: 63 Resp: 4169

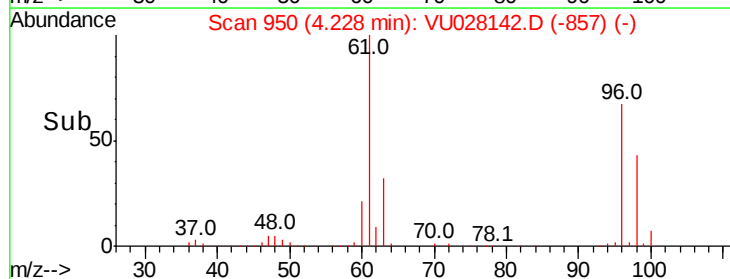
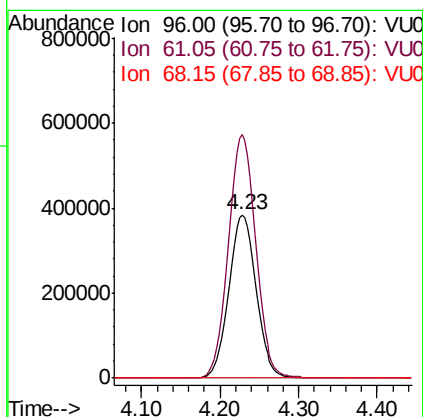
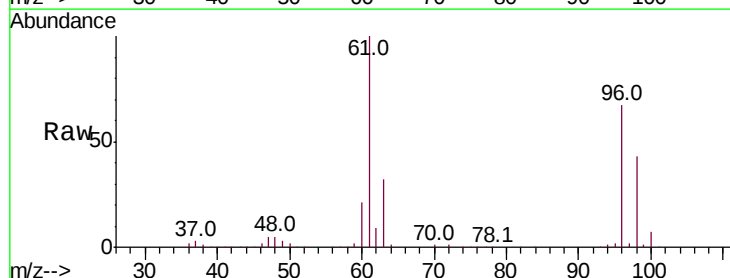
Ion	Ratio	Lower	Upper
63	100		
65	34.8	22.2	41.2
83	12.4	8.9	16.5

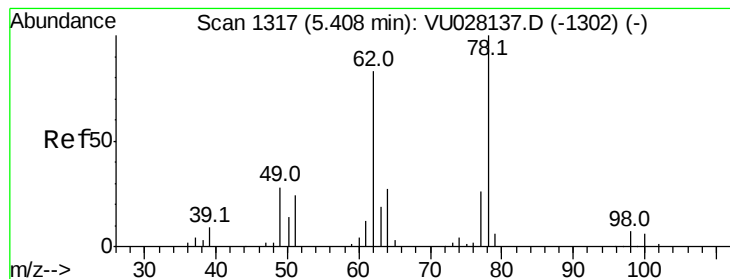


#22
 cis-1,2-Dichloroethene
 Concen: 89.396 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU028142.D
 Acq: 15 Nov 2018 00:31

Tgt Ion: 96 Resp: 922137

Ion	Ratio	Lower	Upper
96	100		
61	148.9	101.8	189.0
68	0.0	0.0	0.0





#27

1,2-Dichloroethane

Concen: 0.067 ug/L

RT: 5.42 min Scan# 1320

Delta R.T. 0.01 min

Lab File: VU028142.D

Acq: 15 Nov 2018 00:31

Instrument :

MSVOA_U

ClientSampled :

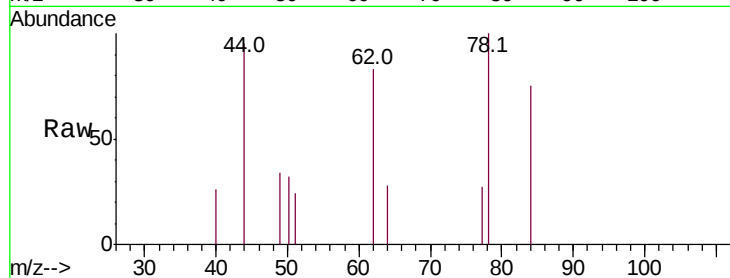
H0FH3

Tot Ion: 62 Resp: 772

Ion Ratio Lower Upper

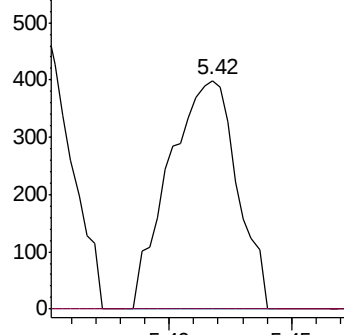
62 100

98 0.0 7.0 10.4#

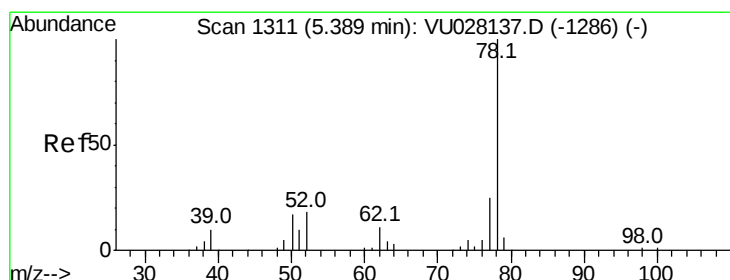
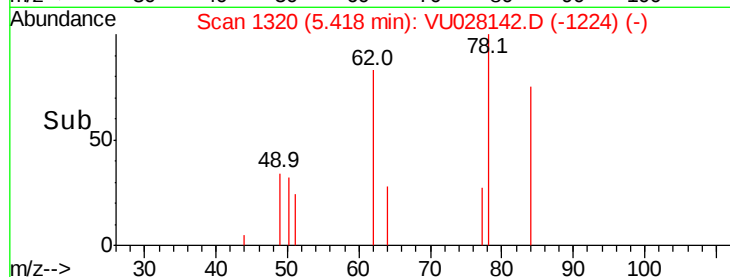


Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



Time-->



#33

Benzene

Concen: 0.106 ug/L

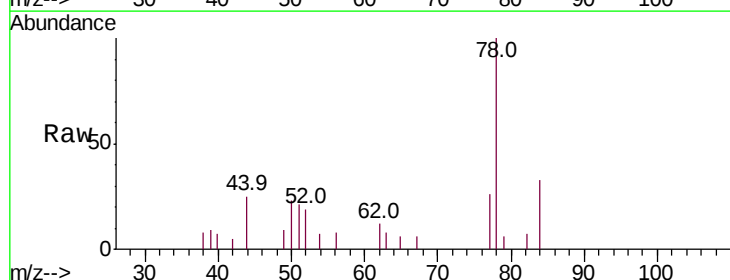
RT: 5.40 min Scan# 1314

Delta R.T. 0.01 min

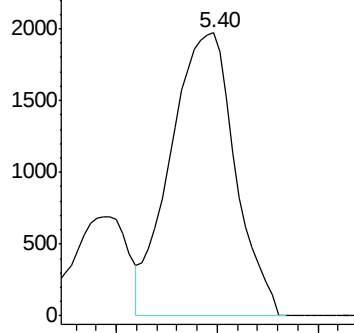
Lab File: VU028142.D

Acq: 15 Nov 2018 00:31

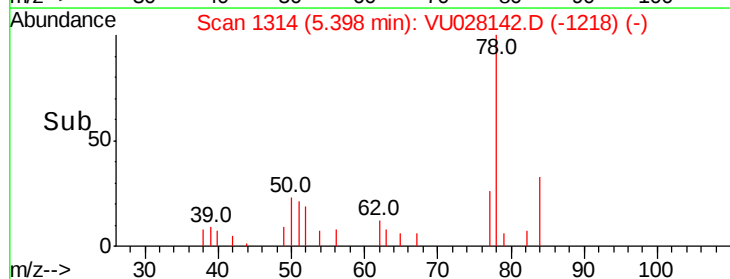
Tgt Ion: 78 Resp: 4395

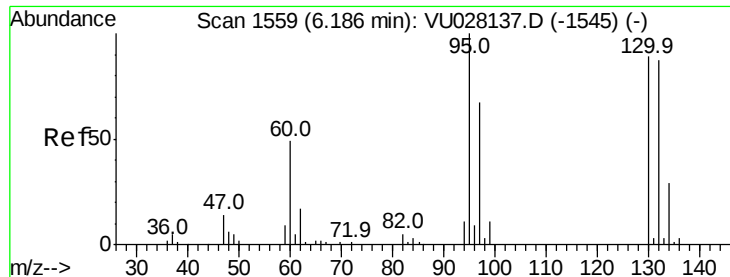


Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->





#34

Trichloroethene

Concen: 3.221 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028142.D

Acq: 15 Nov 2018 00:31

Instrument :

MSVOA_U

ClientSampleId :

H0FH3

Tot Ion: 95 Resp: 33072

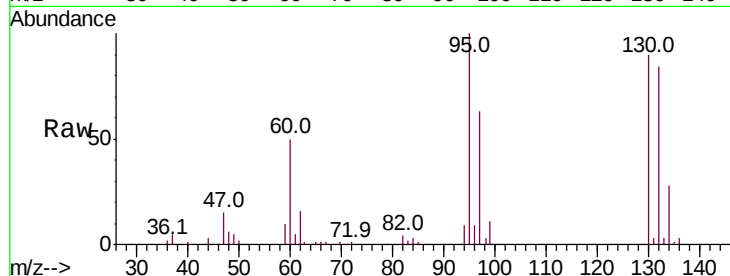
Ion Ratio Lower Upper

95 100

97 63.5 45.3 84.1

132 84.3 63.0 117.0

130 89.5 63.6 118.2

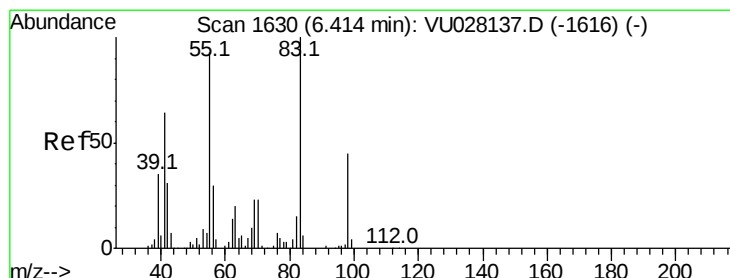
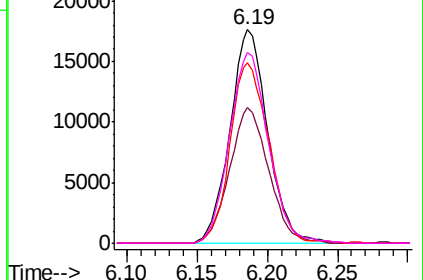
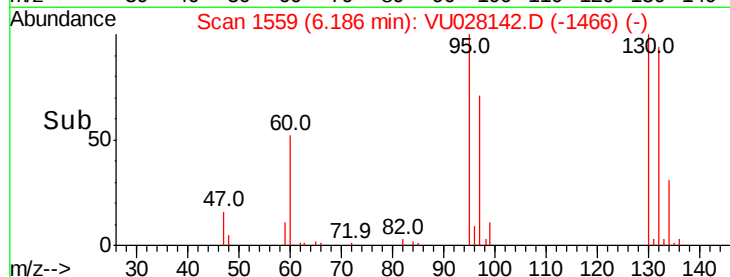


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.739 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028142.D

Acq: 15 Nov 2018 00:31

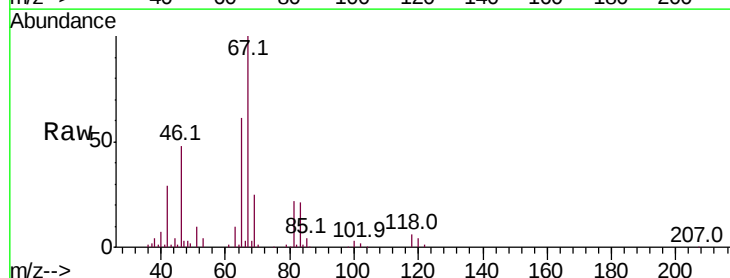
Tgt Ion: 83 Resp: 13042

Ion Ratio Lower Upper

83 100

55 0.0 69.0 103.4#

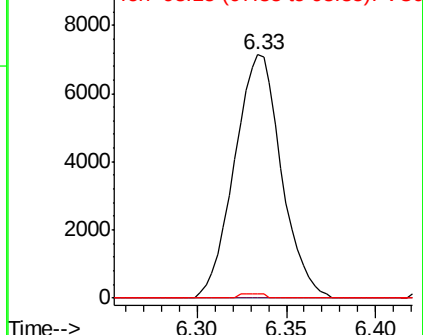
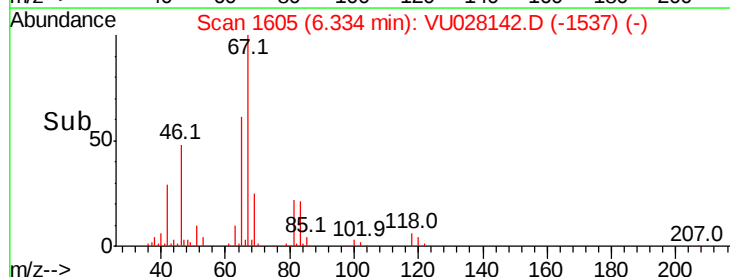
98 0.9 33.3 49.9#

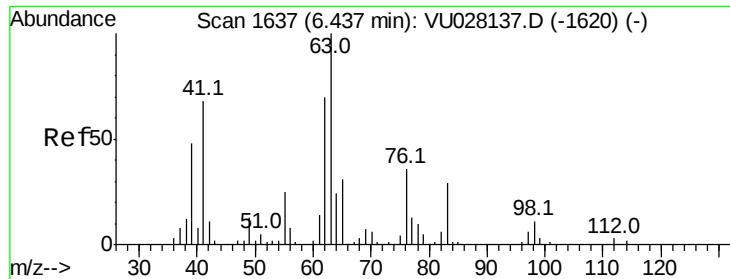


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.566 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.11 min

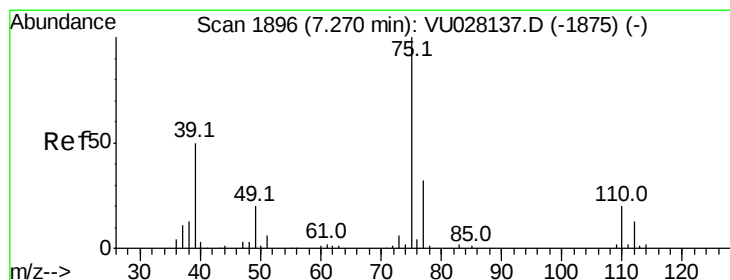
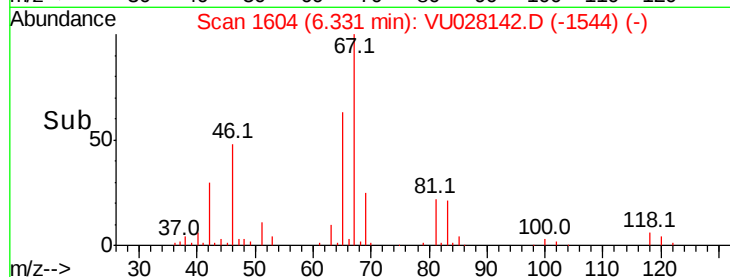
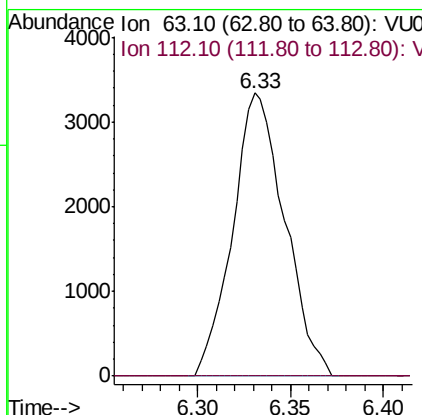
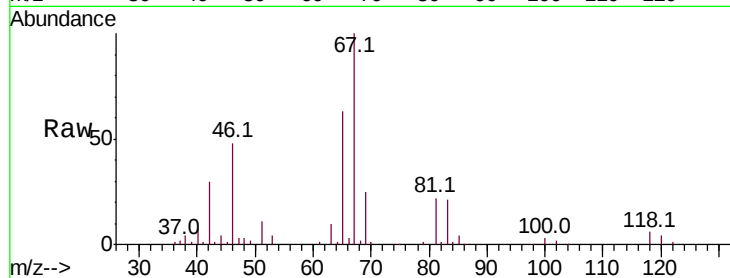
Lab File: VU028142.D

Acq: 15 Nov 2018 00:31

Instrument :
MSVOA_U
ClientSampleId :
H0FH3

Tot Ion: 63 Resp: 6504

Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.2	3.4#



#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 7.23 min Scan# 1884

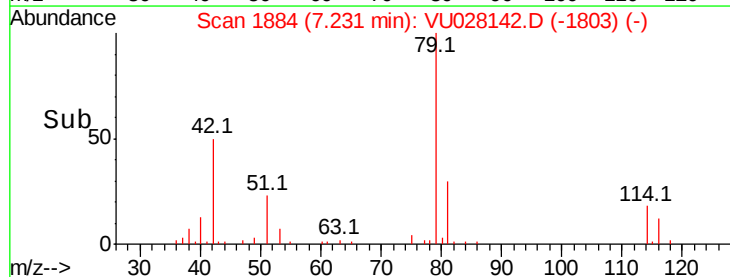
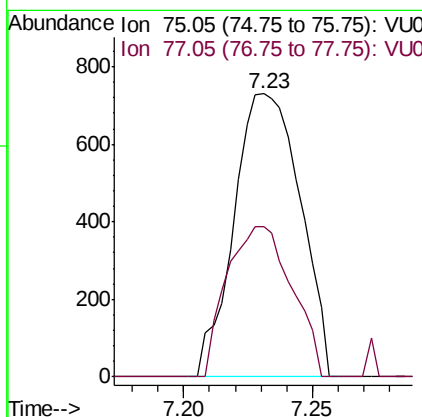
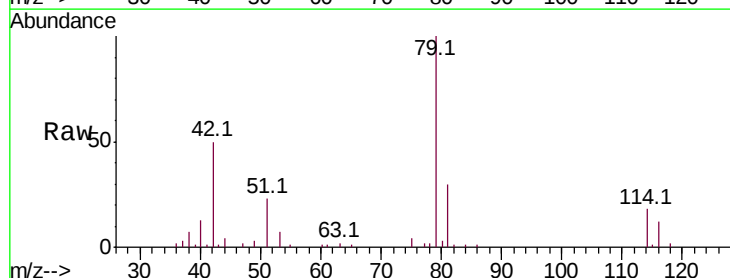
Delta R.T. -0.04 min

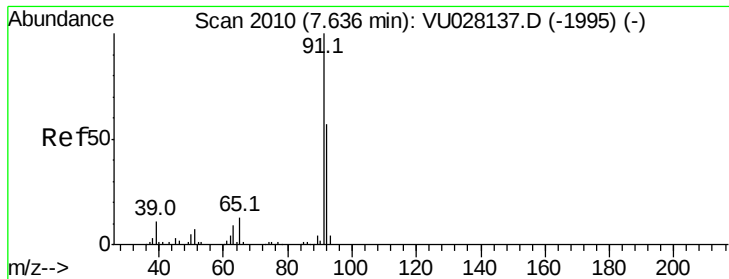
Lab File: VU028142.D

Acq: 15 Nov 2018 00:31

Tgt Ion: 75 Resp: 1312

Ion	Ratio	Lower	Upper
75	100		
77	53.0	20.9	38.9#





#42

Toluene

Concen: 0.052 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028142.D

Acq: 15 Nov 2018 00:31

Instrument :

MSVOA_U

ClientSampleId :

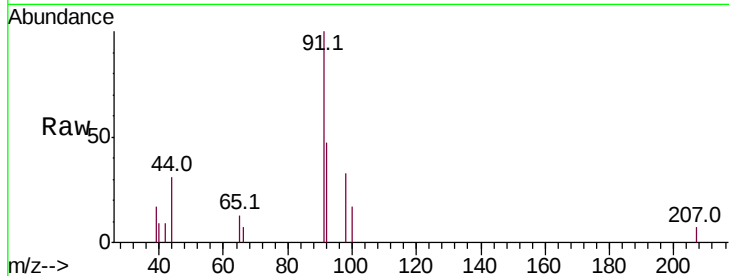
H0FH3

Tot Ion: 91 Resp: 2218

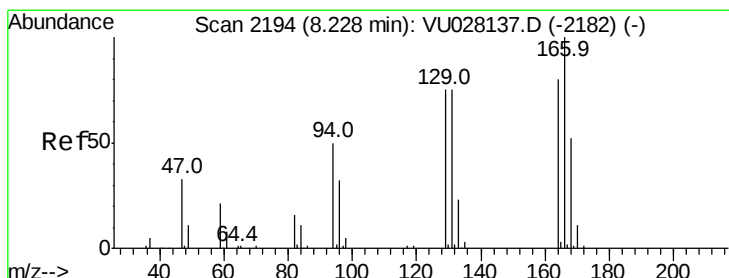
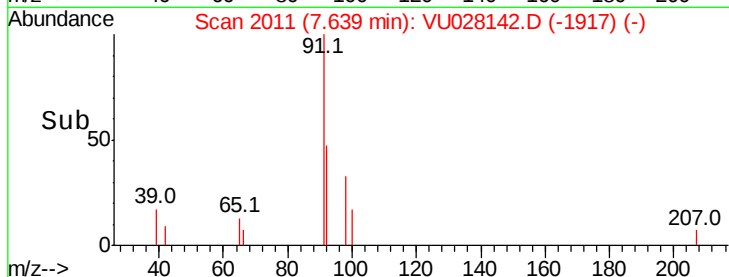
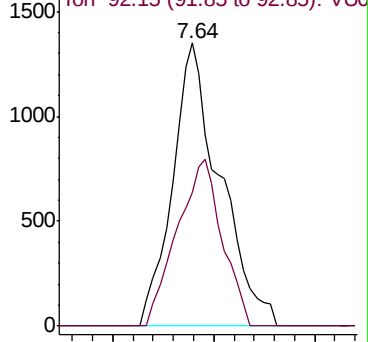
Ion Ratio Lower Upper

91 100

92 47.4 40.7 75.7



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



#47

Tetrachloroethene

Concen: 0.091 ug/L

RT: 8.22 min Scan# 2192

Delta R.T. -0.01 min

Lab File: VU028142.D

Acq: 15 Nov 2018 00:31

Tgt Ion:164 Resp: 760

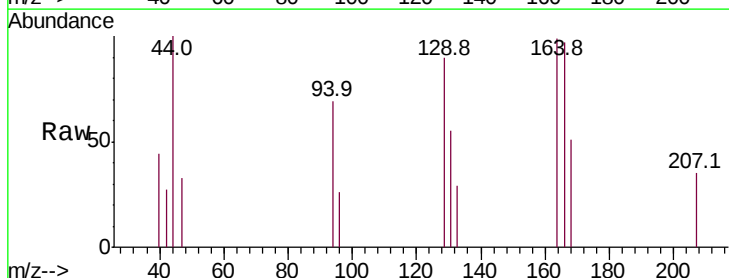
Ion Ratio Lower Upper

164 100

129 90.4 69.7 129.4

131 55.8 64.0 118.8#

166 97.5 86.4 160.4

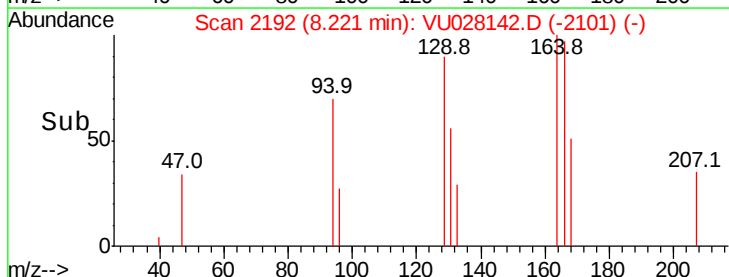
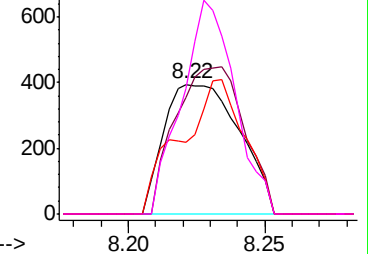


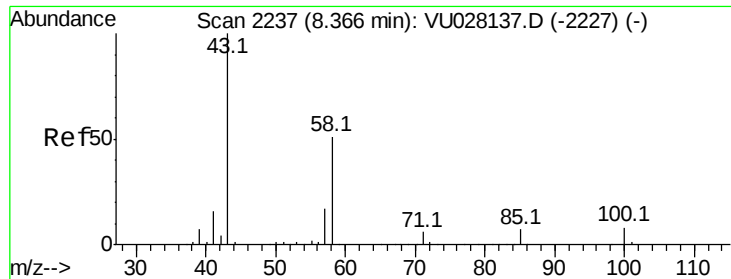
Abundance Ion 163.90 (163.60 to 164.60): VU028137.D (-2182) (-)

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) (-)

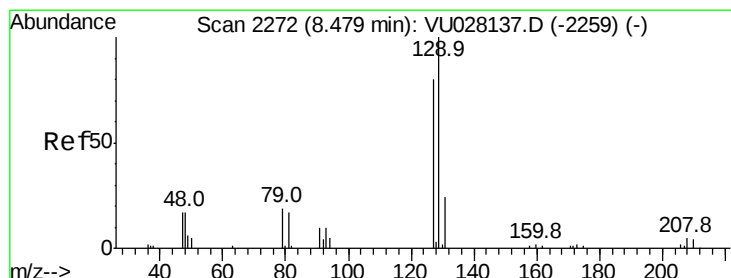
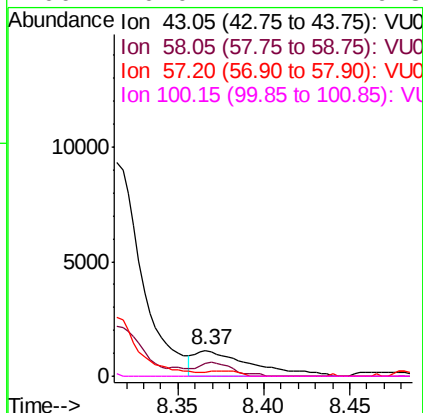
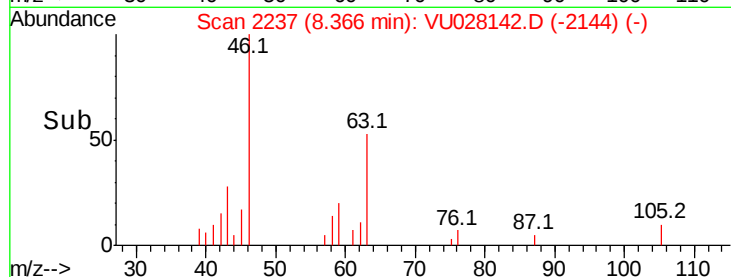
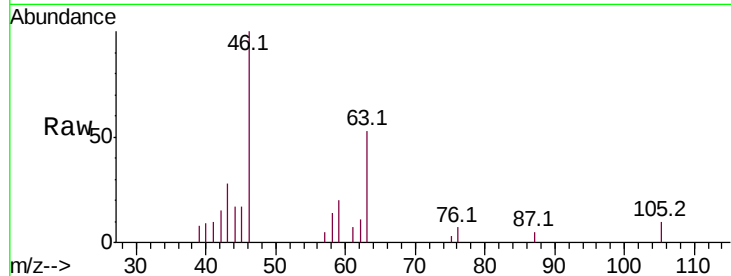




#48
2-Hexanone
Concen: 0.457 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VU028142.D
Acq: 15 Nov 2018 00:31

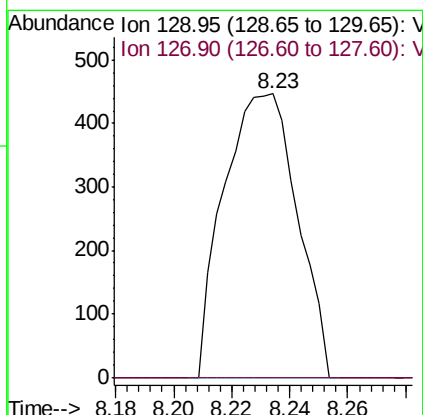
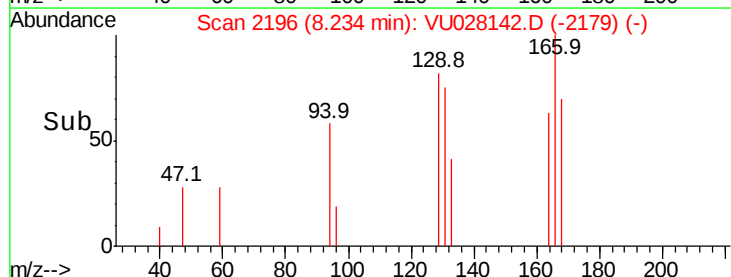
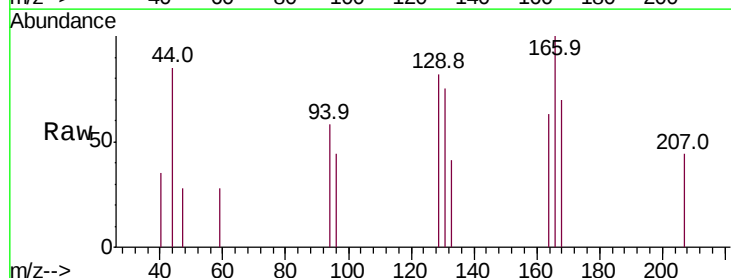
Instrument :
MSVOA_U
ClientSampleId :
H0FH3

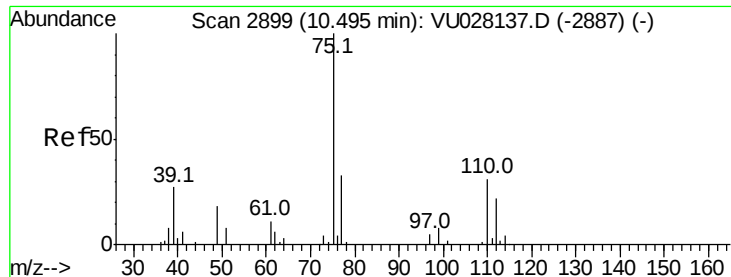
Tot Ion: 43 Resp: 2573
Ion Ratio Lower Upper
43 100
58 33.5 41.7 62.5#
57 11.5 14.0 21.0#
100 0.0 7.2 10.8#



#49
Dibromochloromethane
Concen: 0.106 ug/L
RT: 8.23 min Scan# 2196
Delta R.T. -0.24 min
Lab File: VU028142.D
Acq: 15 Nov 2018 00:31

Tgt Ion: 129 Resp: 784
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#





#59

1,2,3-Trichloropropane

Concen: 1.293 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028142.D

Acq: 15 Nov 2018 00:31

Instrument :

MSVOA_U

ClientSampleId :

H0FH3

Tot Ion: 75 Resp: 8343

Ion Ratio Lower Upper

75 100

77 36.1 25.4 38.0

