

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028150.D
 Acq On : 15 Nov 2018 03:41
 Operator : MD/SY
 Sample : J5943-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 06:19:28 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	133438	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	127620	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	58166	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	53871	4.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.20%
7) Chloroethane-d5	1.68	69	40403	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.28	63	71109	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	4.21	46	175901	54.77	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.54%
24) Chloroform-d	4.65	84	83740	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.31	65	49296	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.34	84	171820	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.33	67	65192	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.57	98	152478	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	7.85	79	19604	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.31	63	134625	50.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.84%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	45725	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	54593	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Ovalue
3) Chloromethane	1.40	50	5331	0.354 ug/L #	46
5) Vinyl chloride	1.40	62	811067	56.747 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	667	0.076 ug/L #	40
12) 1,1-Dichloroethene	2.29	96	4230	0.477 ug/L #	1
13) Acetone	2.34	43	1357	0.627 ug/L	79
18) trans-1,2-Dichloroethene	2.98	96	74898	7.940 ug/L	98
19) 1,1-Dichloroethane	3.45	63	143682	7.243 ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	351780	33.824 ug/L	97
30) Cyclohexane	5.00	56	1625	0.080 ug/L #	89
33) Benzene	5.39	78	28906	0.672 ug/L	100
34) Trichloroethene	6.19	95	7619	0.717 ug/L	90
37) 1,2-Dichloropropane	6.44	63	948	0.080 ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1327	0.083 ug/L #	29
42) Toluene	7.64	91	2764	0.062 ug/L	94
47) Tetrachloroethene	8.23	164	689	0.080 ug/L	78
48) 2-Hexanone	8.37	43	1790	0.307 ug/L #	85
49) Dibromochloromethane	8.22	129	636	0.083 ug/L #	11

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Response via : Initial Calibration

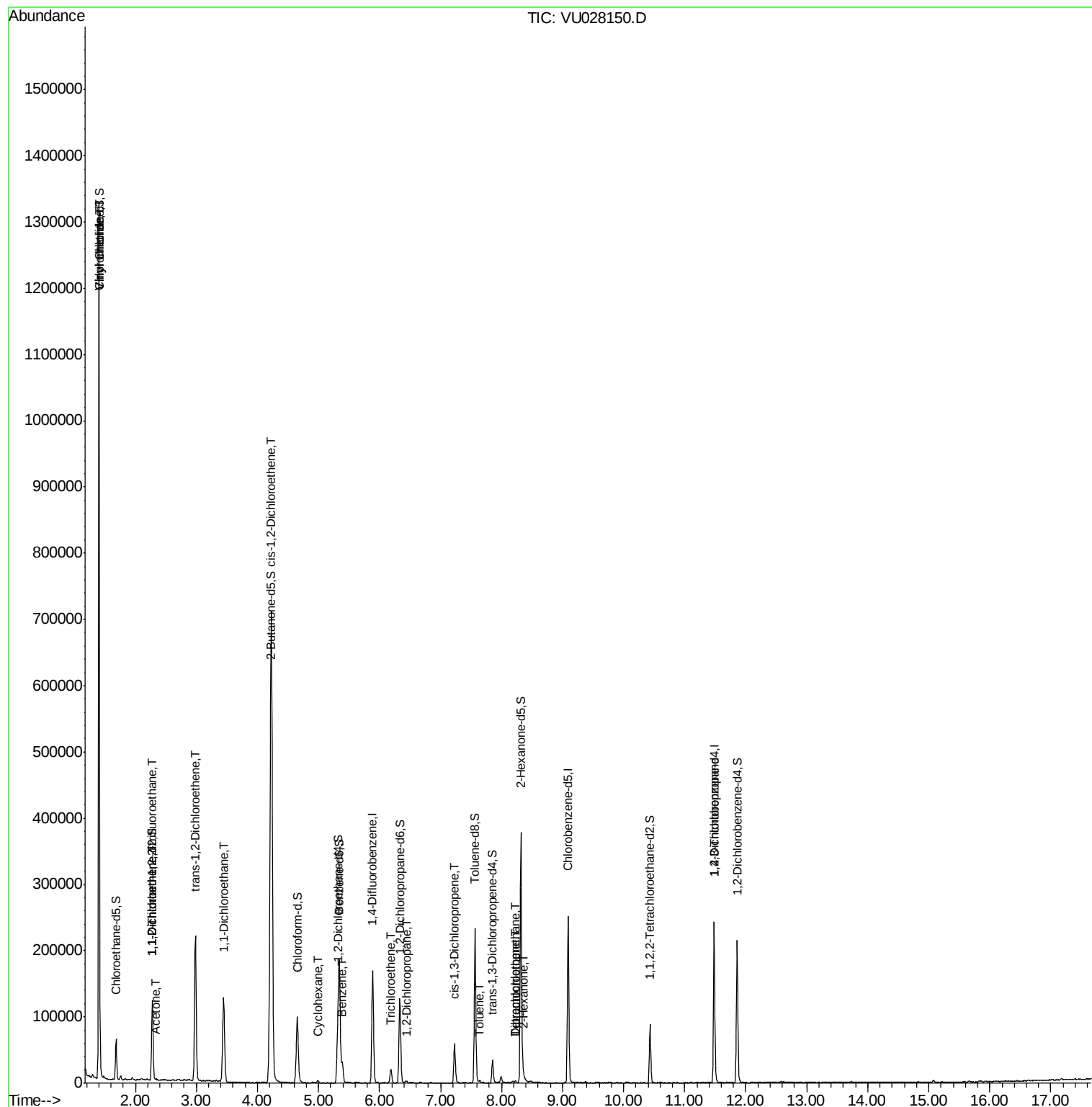
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	8475	1.269	ug/L	92

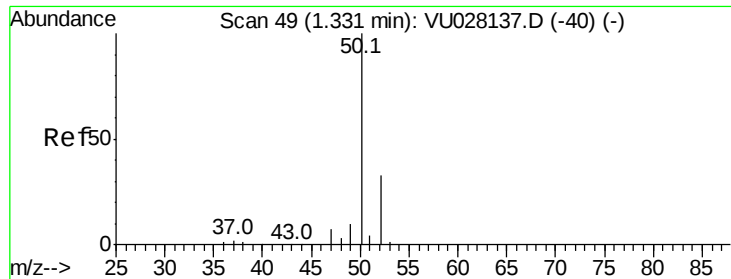
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.354 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.07 min

Lab File: VU028150.D

Acq: 15 Nov 2018 03:41

Instrument :

MSVOA_U

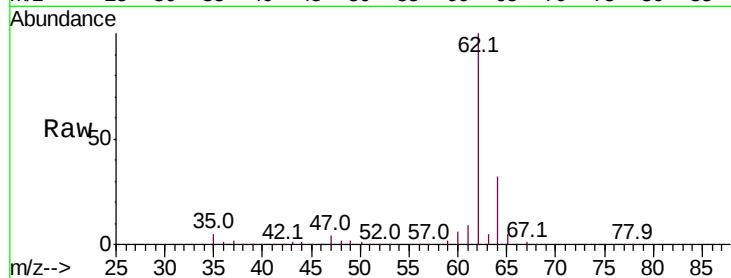
ClientSampleId :

Tot Ion: 50 Resp: 5331

Ion Ratio Lower Upper

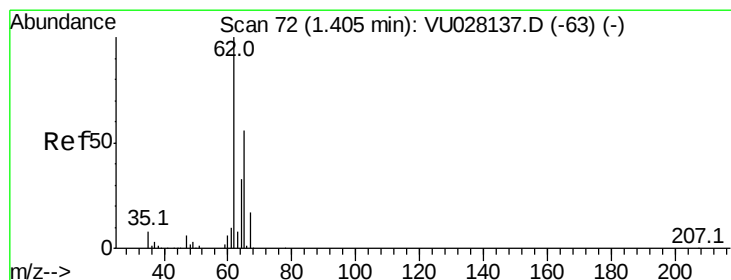
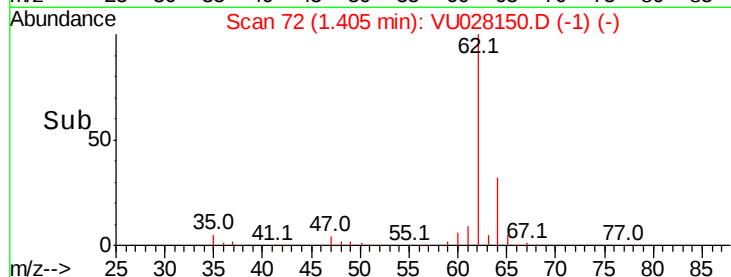
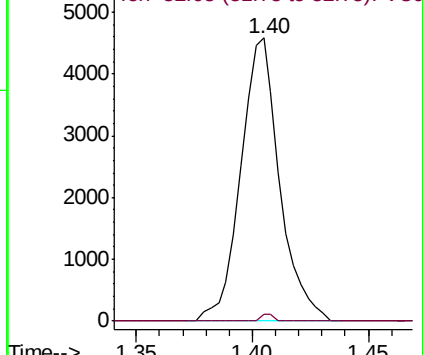
50 100

52 2.3 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: 56.747 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028150.D

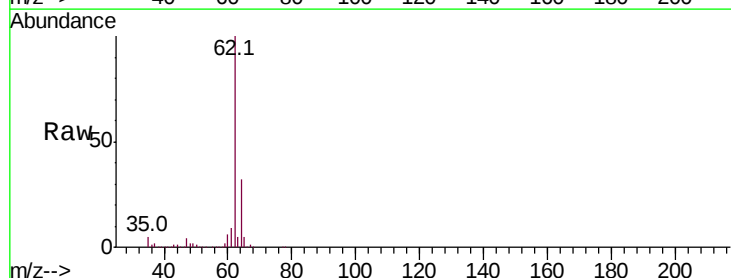
Acq: 15 Nov 2018 03:41

Tgt Ion: 62 Resp: 811067

Ion Ratio Lower Upper

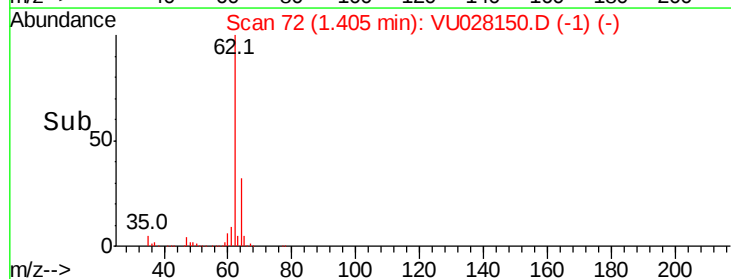
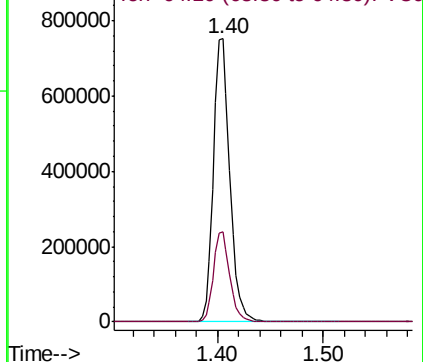
62 100

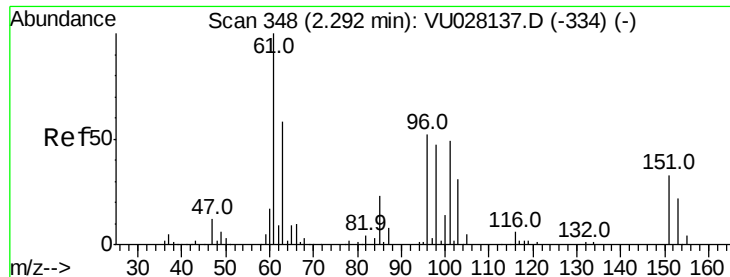
64 31.8 22.7 42.3



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: 0.076 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU028150.D

Acq: 15 Nov 2018 03:41

Instrument :

MSVOA_U

ClientSampleId :

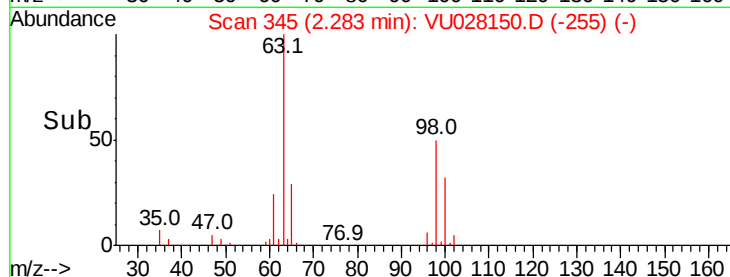
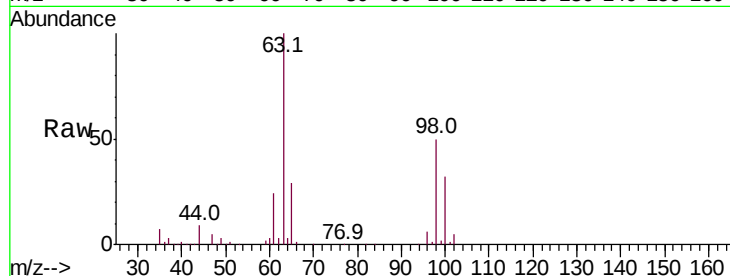
Tot Ion:101 Resp: 667

Ion Ratio Lower Upper

101 100

85 26.4 37.6 56.4#

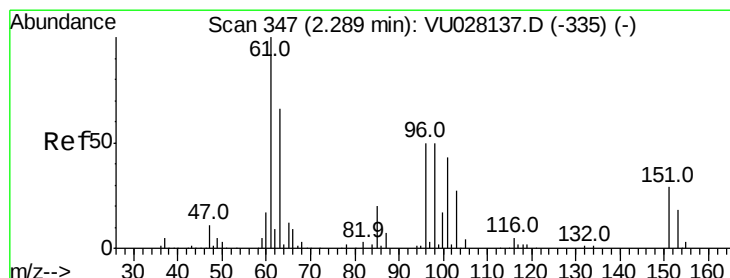
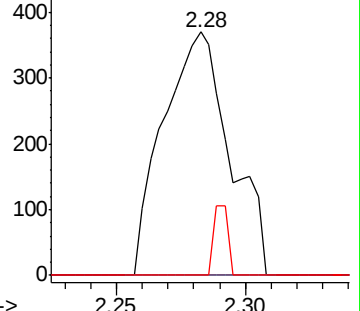
151 6.0 58.2 87.2#



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: 0.477 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028150.D

Acq: 15 Nov 2018 03:41

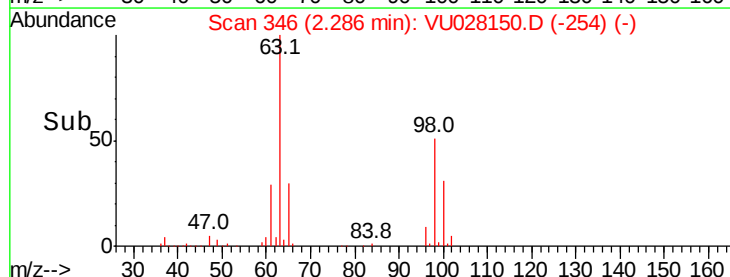
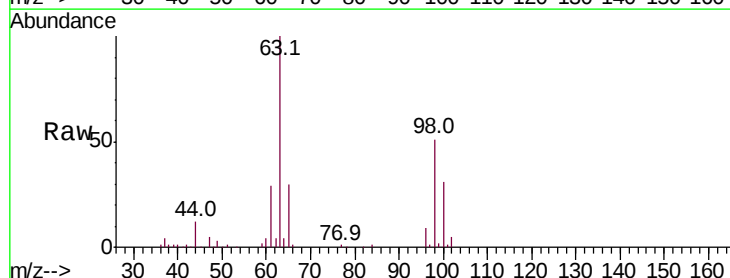
Tgt Ion: 96 Resp: 4230

Ion Ratio Lower Upper

96 100

61 323.4 134.8 250.3#

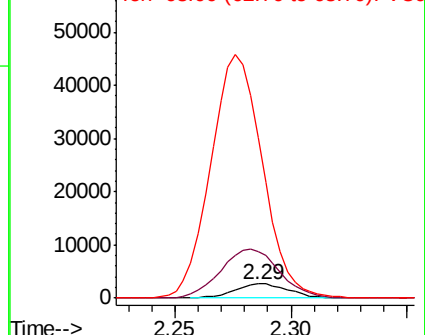
63 1110.5 100.1 185.9#

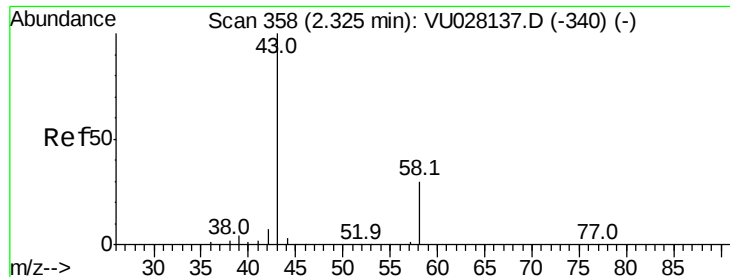


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.627 ug/L

RT: 2.34 min Scan# 362

Delta R.T. 0.01 min

Lab File: VU028150.D

Acq: 15 Nov 2018 03:41

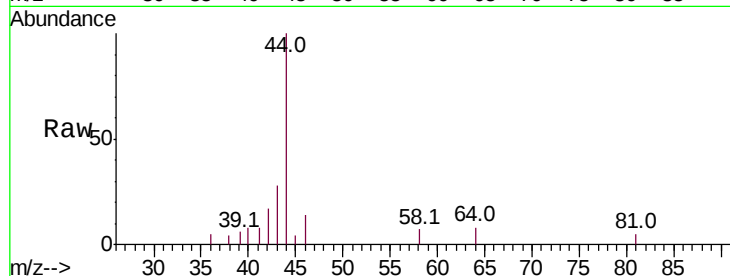
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1357

Ion Ratio Lower Upper

43 100

58 19.4 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.34

800

600

400

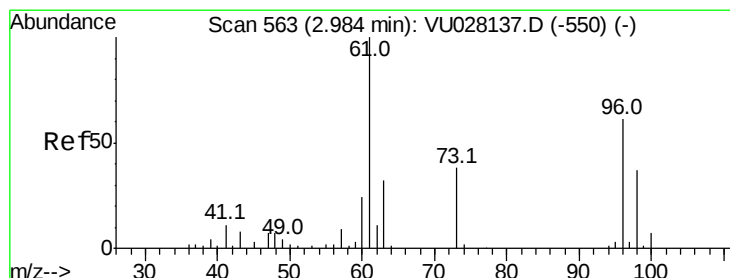
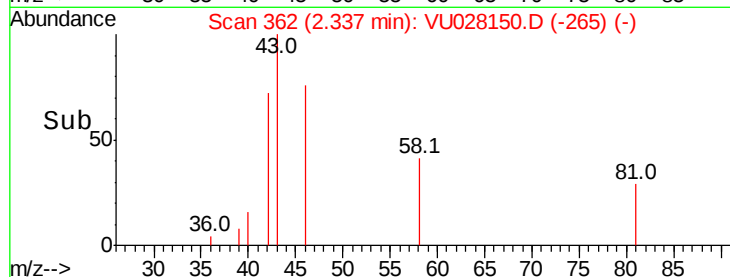
200

0

Time-->

2.30

2.35



#18

trans-1,2-Dichloroethene

Concen: 7.940 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028150.D

Acq: 15 Nov 2018 03:41

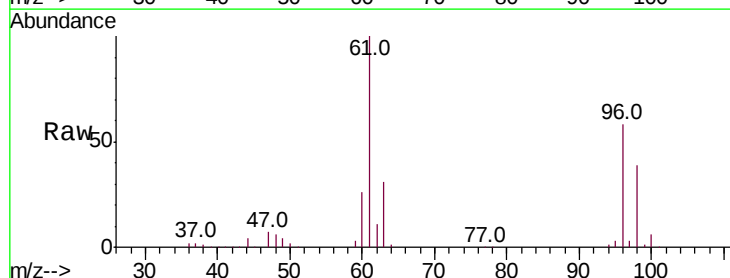
Tgt Ion: 96 Resp: 74898

Ion Ratio Lower Upper

96 100

61 172.4 118.5 220.1

98 66.5 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

80000

60000

40000

20000

0

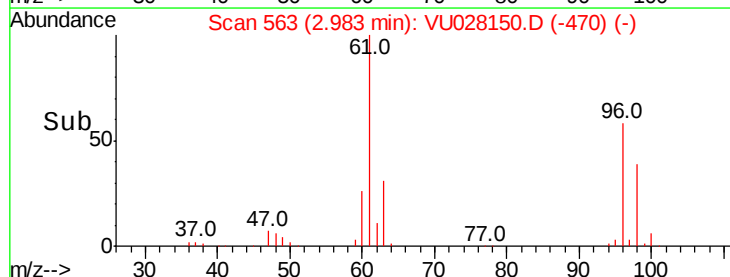
Time-->

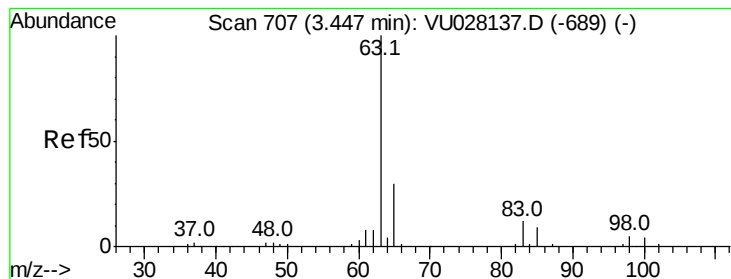
2.90

2.95

3.00

3.05





#19

1,1-Dichloroethane

Concen: 7.243 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028150.D

Acq: 15 Nov 2018 03:41

Instrument :

MSVOA_U

ClientSampled :

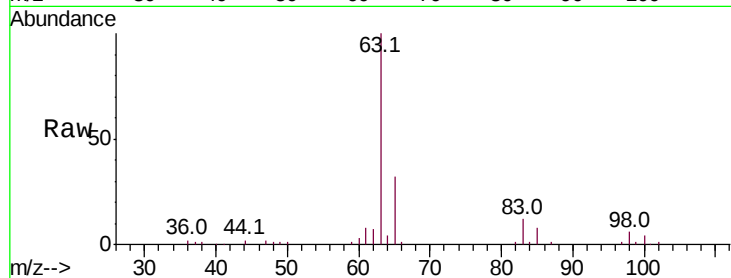
Tot Ion: 63 Resp: 143682

Ion Ratio Lower Upper

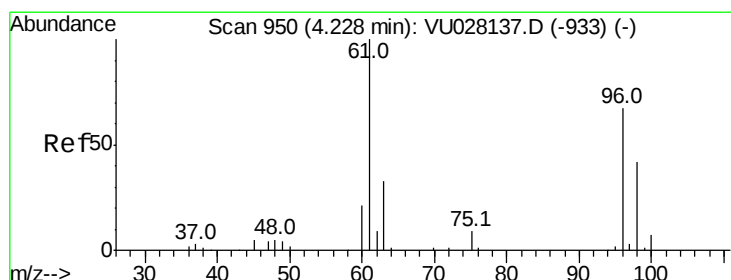
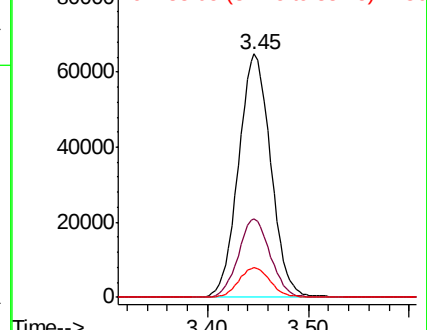
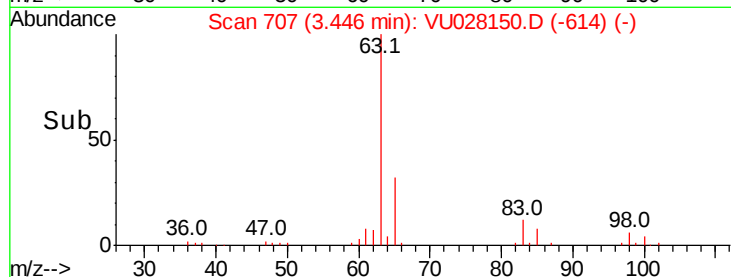
63 100

65 32.1 22.2 41.2

83 12.1 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU028150.D (-614) (-)



#22

cis-1,2-Dichloroethene

Concen: 33.824 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028150.D

Acq: 15 Nov 2018 03:41

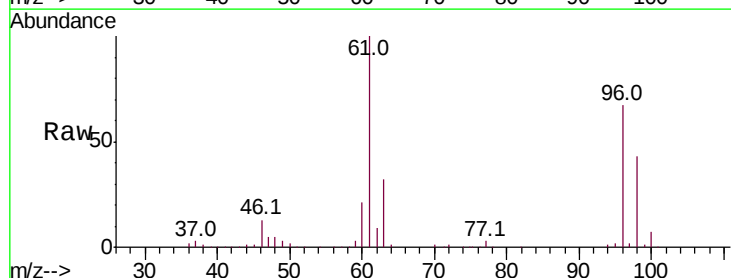
Tgt Ion: 96 Resp: 351780

Ion Ratio Lower Upper

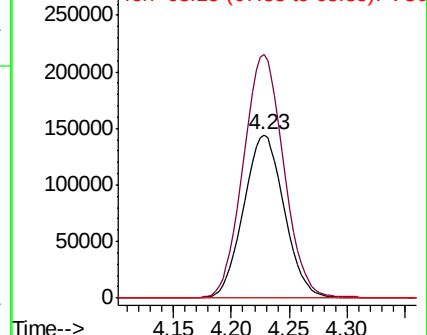
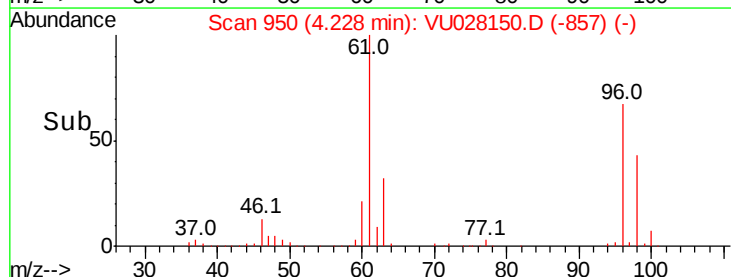
96 100

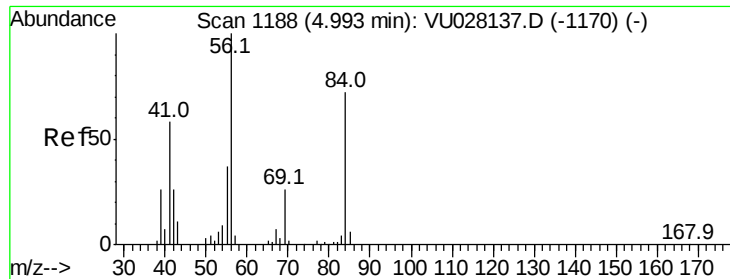
61 149.0 101.8 189.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU028150.D (-857) (-)

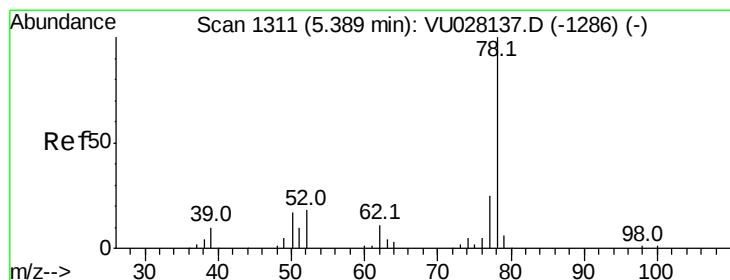
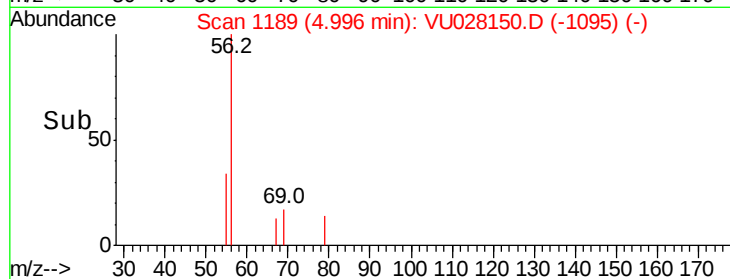
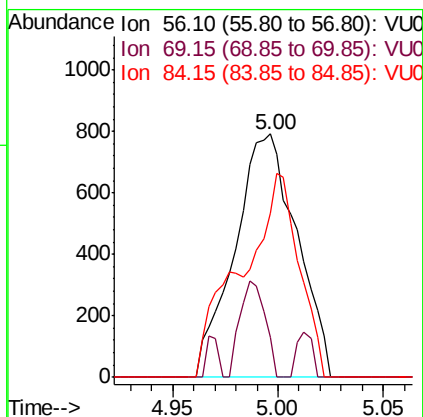
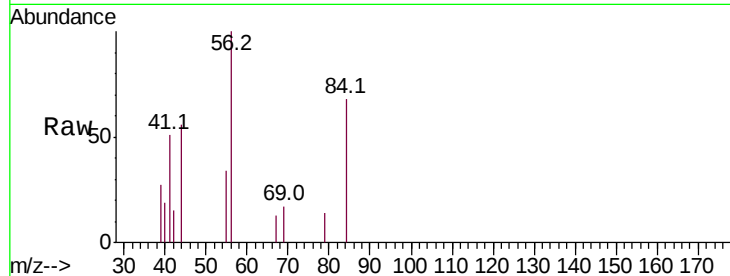




#30
Cyclohexane
Concen: 0.080 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028150.D
Acq: 15 Nov 2018 03:41

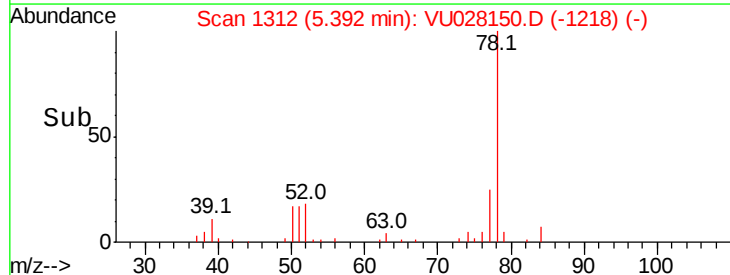
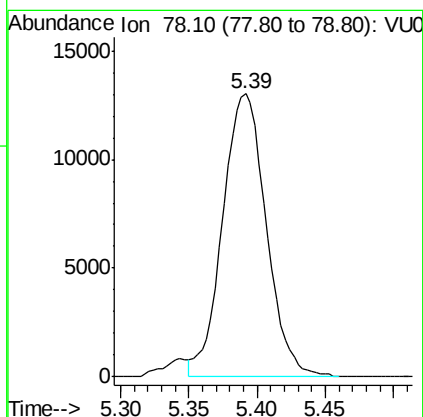
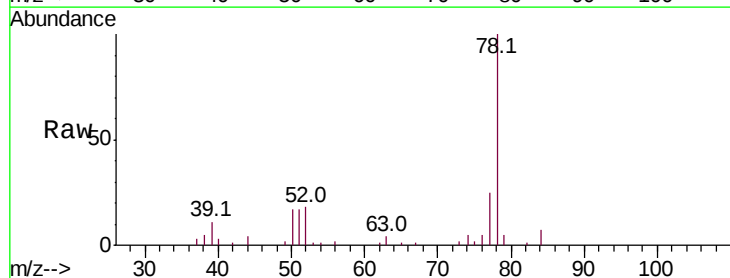
Instrument :
MSVOA_U
ClientSampled :

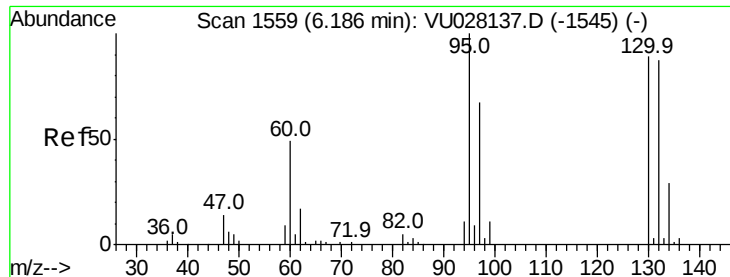
Tot Ion: 56 Resp: 1625
Ion Ratio Lower Upper
56 100
69 15.9 22.6 33.8#
84 77.8 57.7 86.5



#33
Benzene
Concen: 0.672 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU028150.D
Acq: 15 Nov 2018 03:41

Tgt Ion: 78 Resp: 28906





#34

Trichloroethene

Concen: 0.717 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028150.D

Acq: 15 Nov 2018 03:41

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 7619

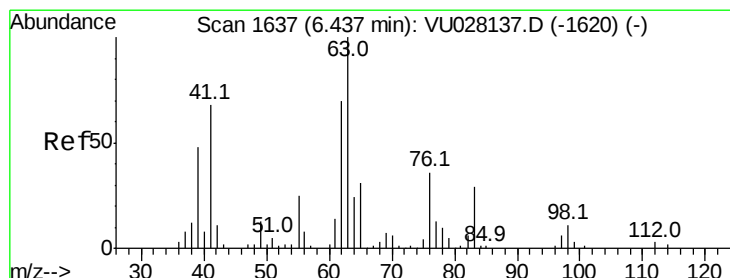
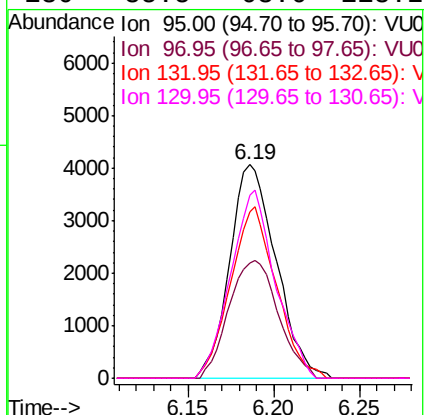
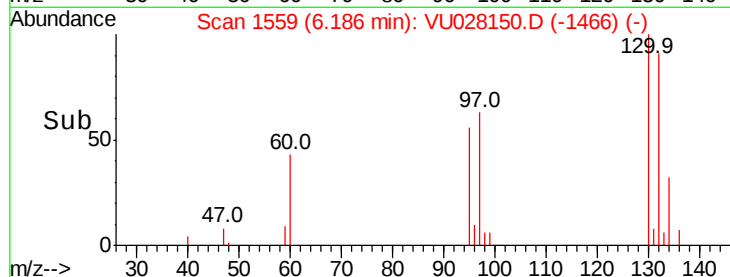
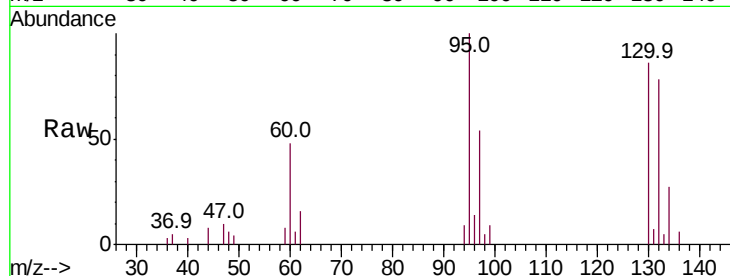
Ion Ratio Lower Upper

95 100

97 53.7 45.3 84.1

132 78.1 63.0 117.0

130 85.5 63.6 118.2



#37

1,2-Dichloropropane

Concen: 0.080 ug/L

RT: 6.44 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VU028150.D

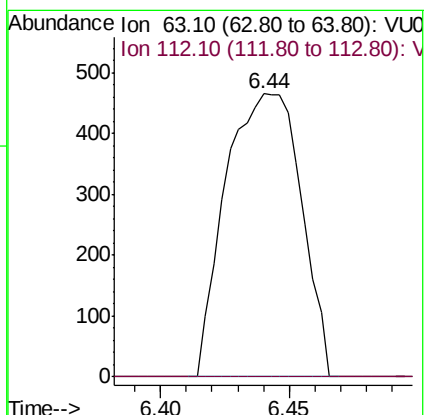
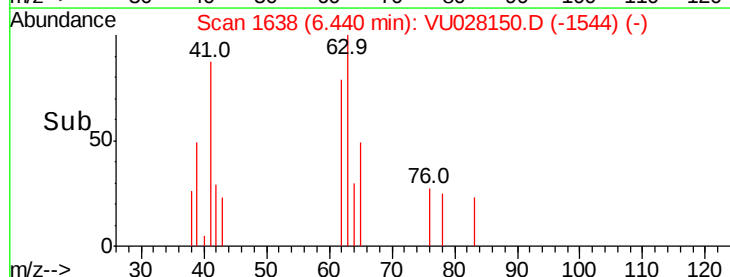
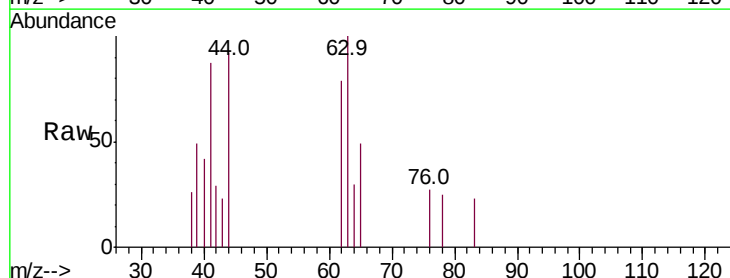
Acq: 15 Nov 2018 03:41

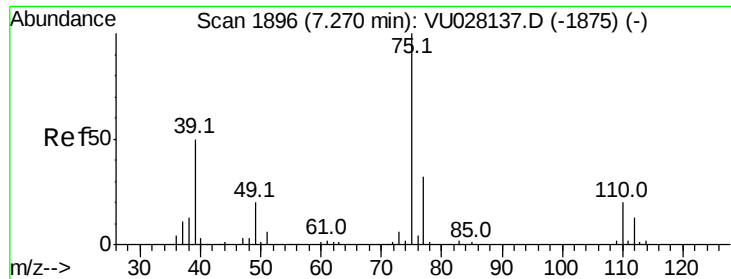
Tgt Ion: 63 Resp: 948

Ion Ratio Lower Upper

63 100

112 0.0 2.2 3.4#

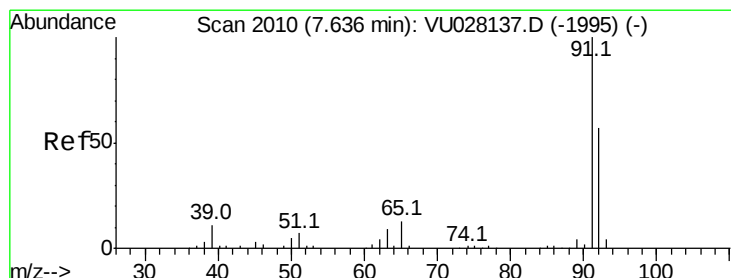
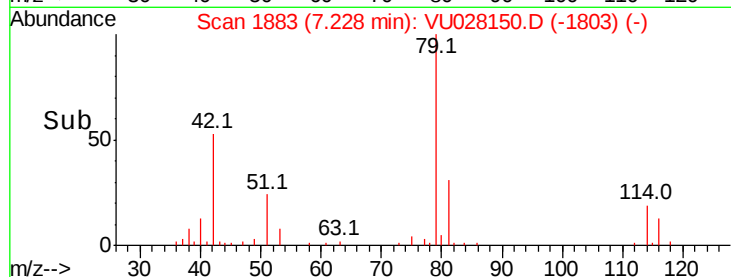
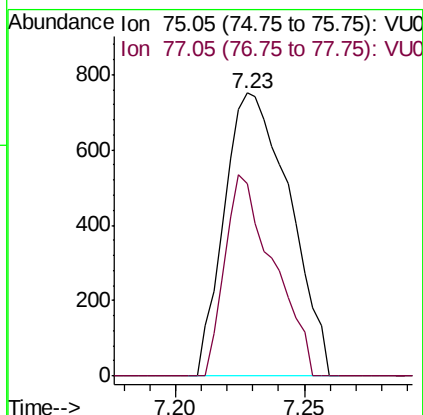
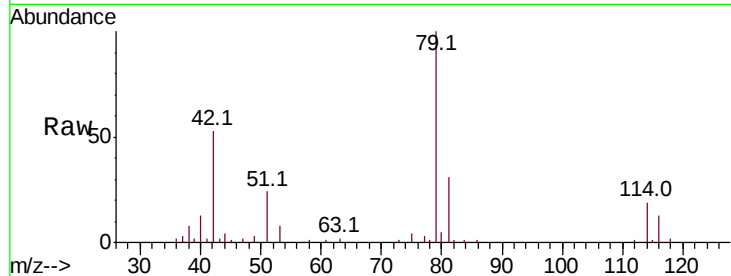




#39
 cis-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028150.D
 Acq: 15 Nov 2018 03:41

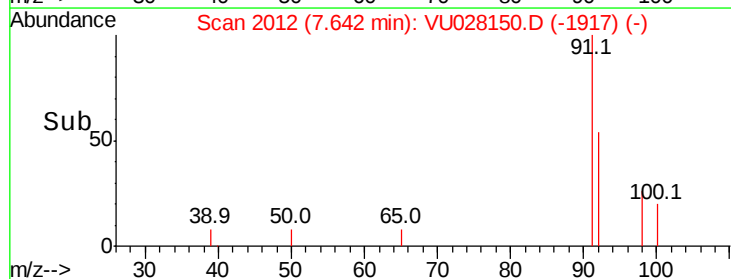
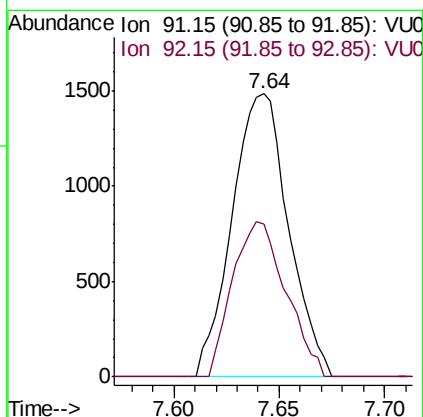
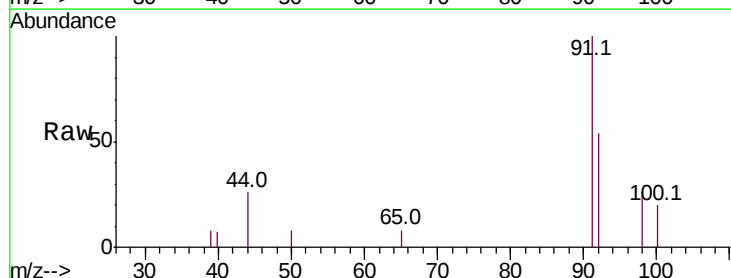
Instrument :
 MSVOA_U
 ClientSampled :

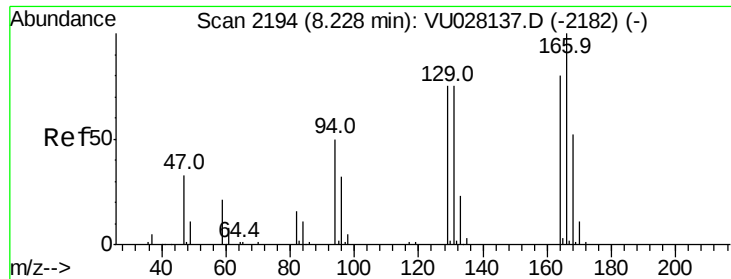
Tot Ion: 75 Resp: 1327
 Ion Ratio Lower Upper
 75 100
 77 68.2 20.9 38.9#



#42
 Toluene
 Concen: 0.062 ug/L
 RT: 7.64 min Scan# 2012
 Delta R.T. 0.01 min
 Lab File: VU028150.D
 Acq: 15 Nov 2018 03:41

Tgt Ion: 91 Resp: 2764
 Ion Ratio Lower Upper
 91 100
 92 53.9 40.7 75.7

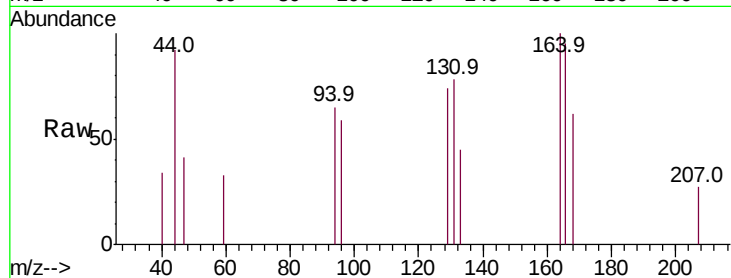




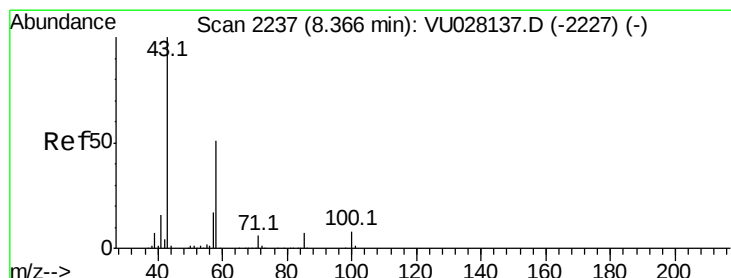
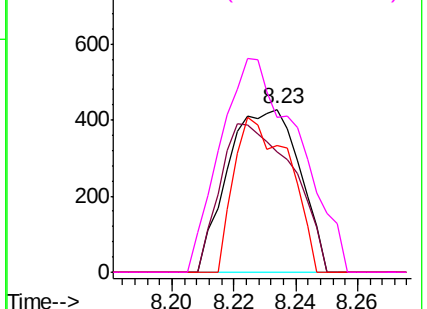
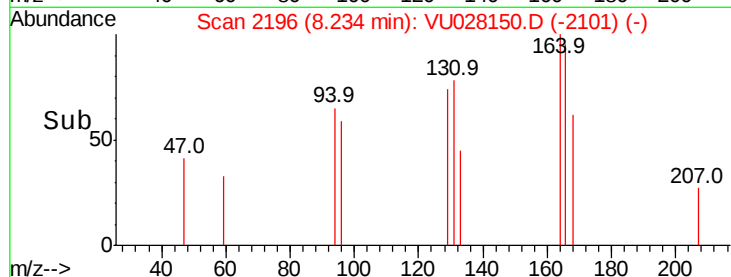
#47
Tetrachloroethene
Concen: 0.080 ug/L
RT: 8.23 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VU028150.D
Acq: 15 Nov 2018 03:41

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 689
Ion Ratio Lower Upper
164 100
129 74.1 69.7 129.4
131 77.8 64.0 118.8
166 94.9 86.4 160.4

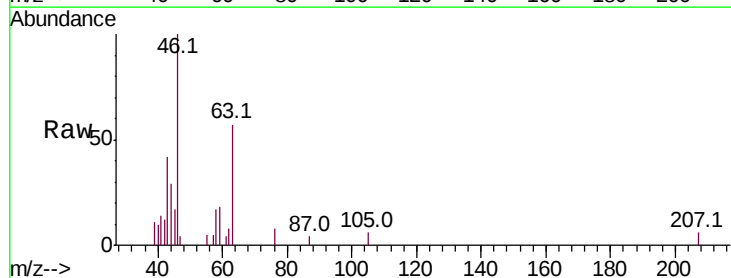


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

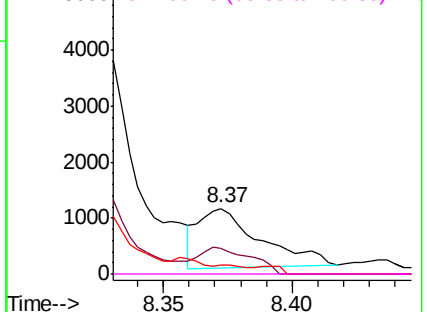
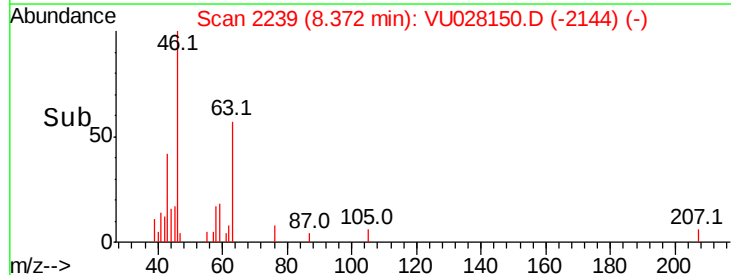


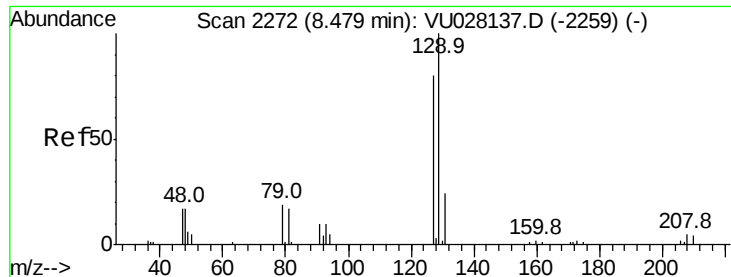
#48
2-Hexanone
Concen: 0.307 ug/L
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU028150.D
Acq: 15 Nov 2018 03:41

Tgt Ion: 43 Resp: 1790
Ion Ratio Lower Upper
43 100
58 39.2 41.7 62.5#
57 17.8 14.0 21.0
100 0.0 7.2 10.8#



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: 0.083 ug/L

RT: 8.22 min Scan# 2192

Delta R.T. -0.26 min

Lab File: VU028150.D

Acq: 15 Nov 2018 03:41

Instrument :

MSVOA_U

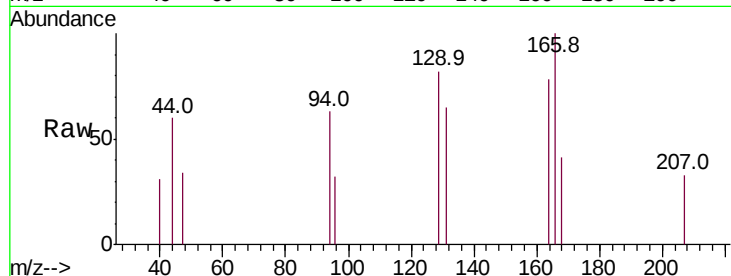
ClientSampleId :

Tot Ion:129 Resp: 636

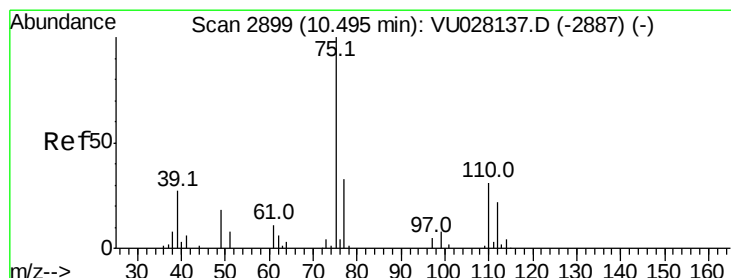
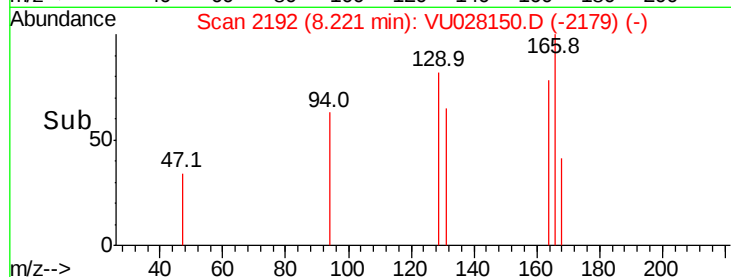
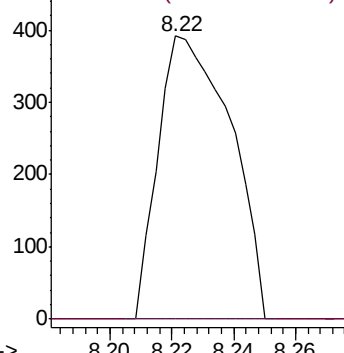
Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V



#59

1,2,3-Trichloropropane

Concen: 1.269 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028150.D

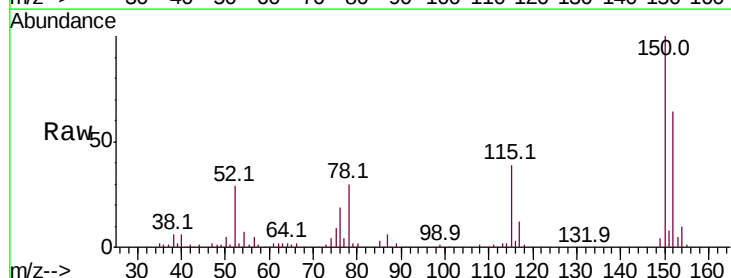
Acq: 15 Nov 2018 03:41

Tgt Ion: 75 Resp: 8475

Ion Ratio Lower Upper

75 100

77 36.1 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

