

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028157.D
 Acq On : 15 Nov 2018 06:27
 Operator : MD/SY
 Sample : J5943-19
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 08:18:15 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	135088	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	127158	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	59445	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	33896	3.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.40%
7) Chloroethane-d5	1.68	69	37048	4.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.20%
11) 1,1-Dichloroethene-d2	2.28	63	64336	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	4.20	46	146727	45.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.26%
24) Chloroform-d	4.65	84	79227	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.31	65	46953	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.34	84	164722	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.33	67	60412	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.57	98	144681	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloropropene-	7.85	79	17503	3.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.20%
46) 2-Hexanone-d5	8.31	63	125404	47.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	44530	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	51797	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	8549	0.591	ug/L	88
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	544	0.061	ug/L #	20
12) 1,1-Dichloroethene	2.28	96	711	0.079	ug/L #	1
13) Acetone	2.33	43	7410	3.384	ug/L	97
18) trans-1,2-Dichloroethene	2.98	96	3104	0.325	ug/L	99
19) 1,1-Dichloroethane	3.45	63	1187	0.059	ug/L #	85
22) cis-1,2-Dichloroethene	4.23	96	23162	2.200	ug/L	94
33) Benzene	5.39	78	4292	0.100	ug/L	100
34) Trichloroethene	6.19	95	3207	0.303	ug/L	89
35) Methylcyclohexane	6.33	83	11828	0.650	ug/L #	16
37) 1,2-Dichloropropane	6.34	63	6094	0.514	ug/L #	92
39) cis-1,3-Dichloropropene	7.22	75	1158	0.072	ug/L #	81
42) Toluene	7.64	91	2116	0.048	ug/L	81
47) Tetrachloroethene	8.24	164	737	0.086	ug/L #	79
48) 2-Hexanone	8.37	43	2155	0.371	ug/L #	63
49) Dibromochloromethane	8.23	129	632	0.083	ug/L #	11
52) Ethylbenzene	9.25	91	1596	0.033	ug/L	94

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

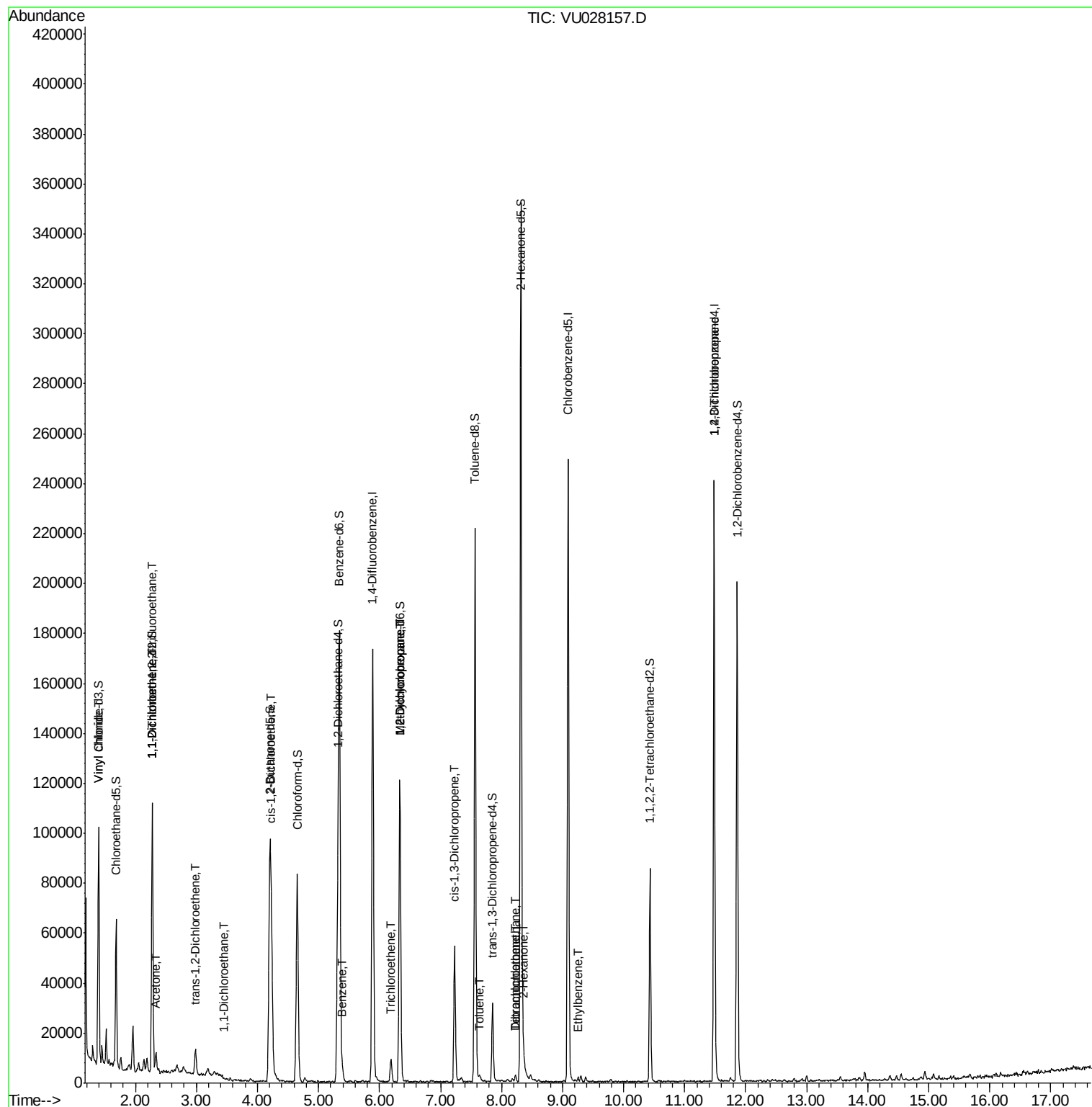
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	8581	1.290	ug/L	93

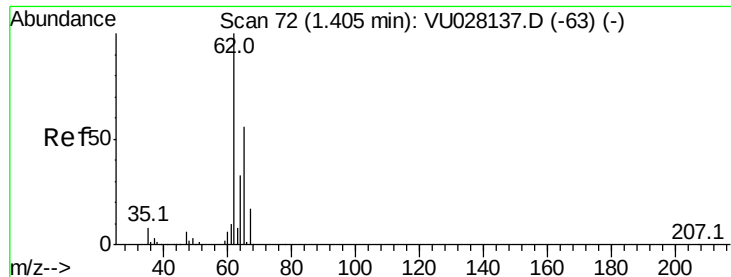
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.591 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028157.D

Acq: 15 Nov 2018 06:27

Instrument :

MSVOA_U

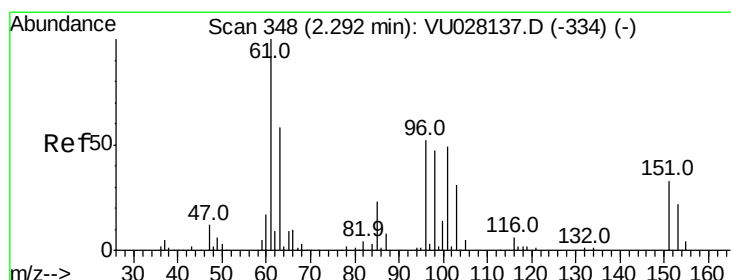
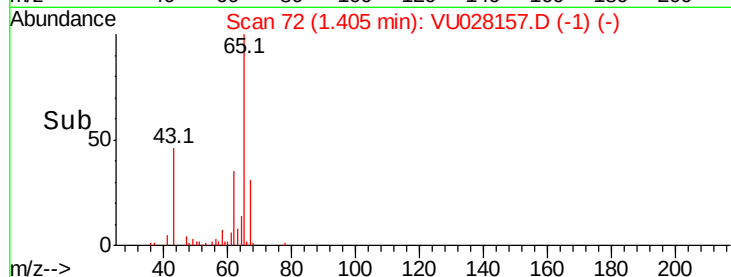
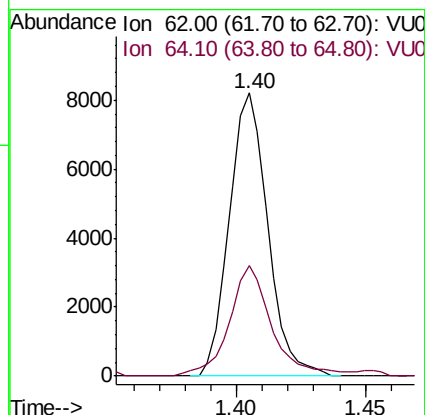
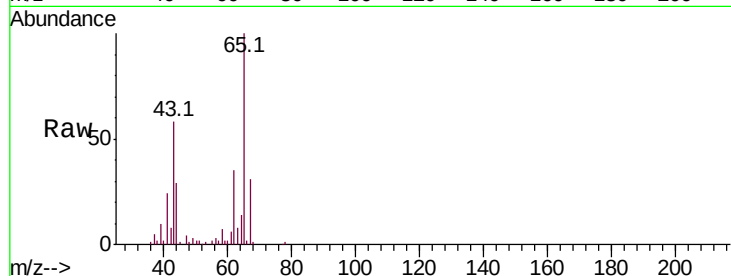
ClientSampleId :

Tot Ion: 62 Resp: 8549

Ion Ratio Lower Upper

62 100

64 39.0 22.7 42.3



#10

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

Concen: 0.061 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028157.D

Acq: 15 Nov 2018 06:27

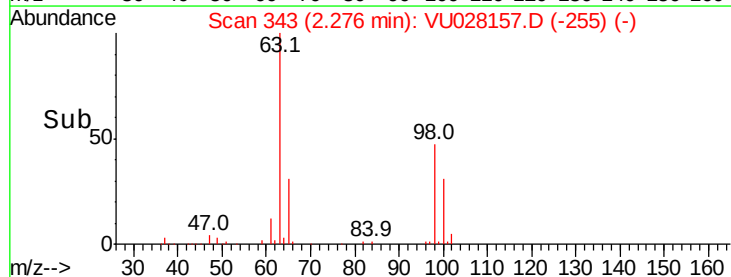
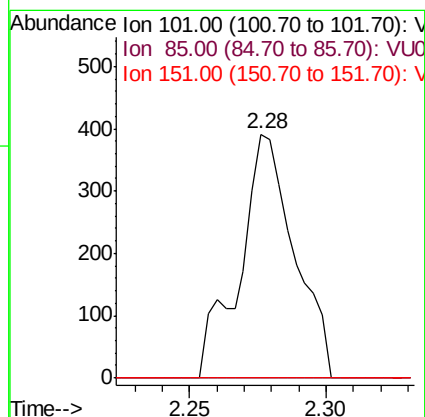
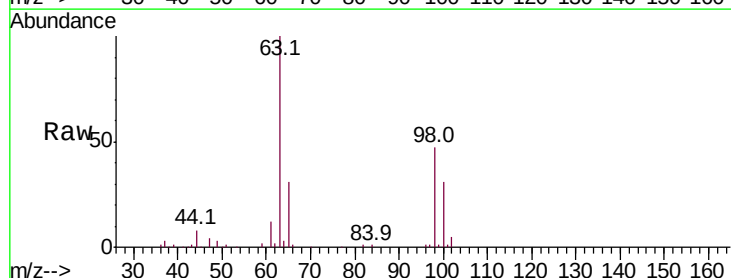
Tgt Ion: 101 Resp: 544

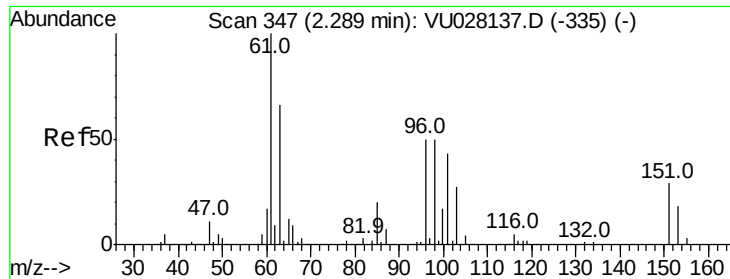
Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

151 0.0 58.2 87.2#

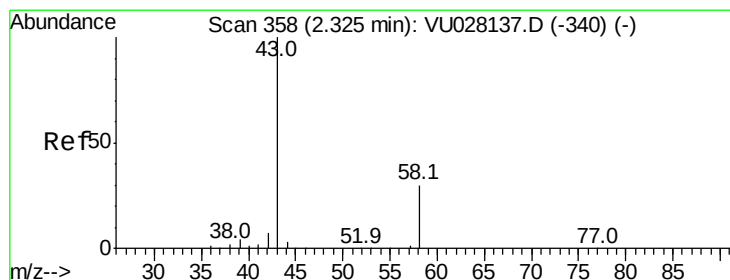
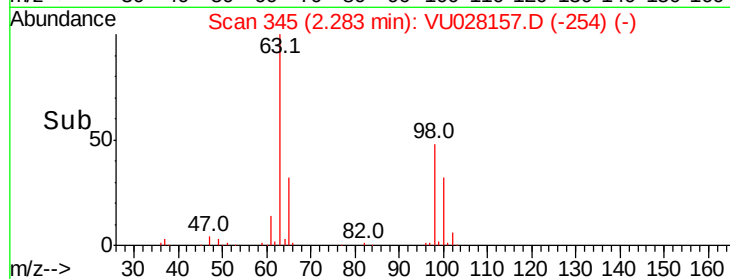
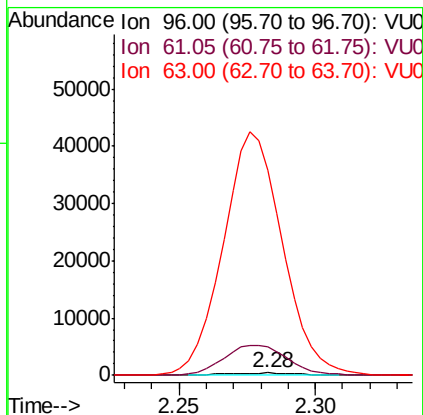
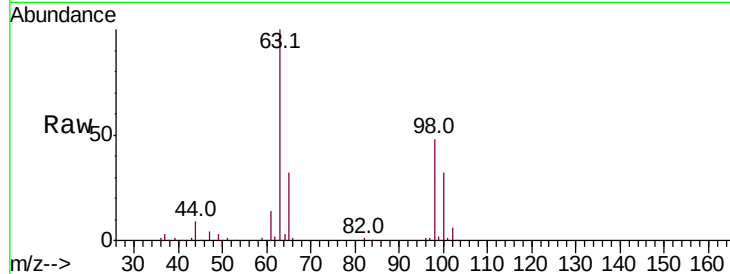




#12
 1,1-Dichloroethene
 Concen: 0.079 ug/L
 RT: 2.28 min Scan# 345
 Delta R.T. -0.01 min
 Lab File: VU028157.D
 Acq: 15 Nov 2018 06:27

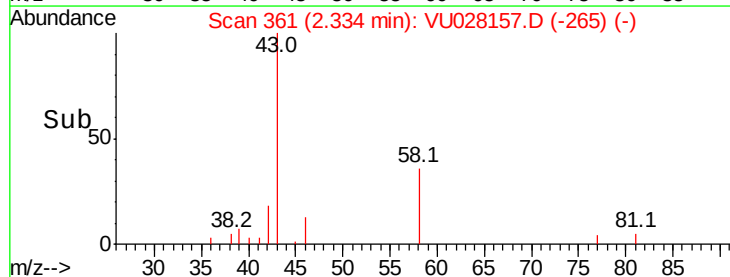
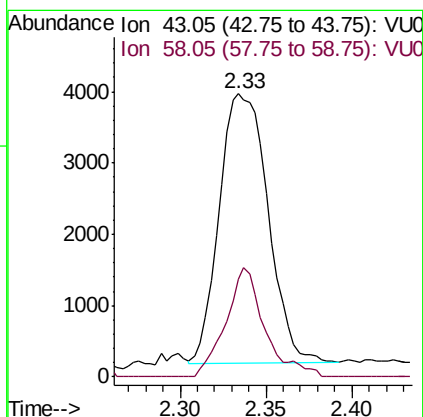
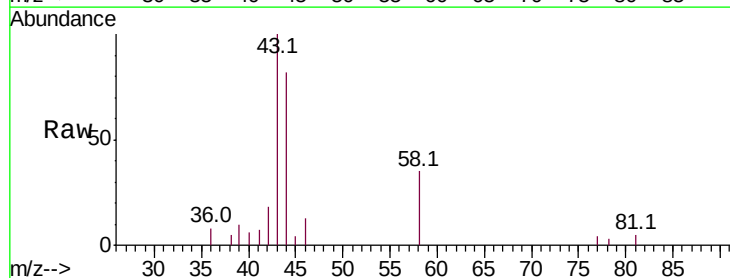
Instrument :
 MSVOA_U
 ClientSampleId :

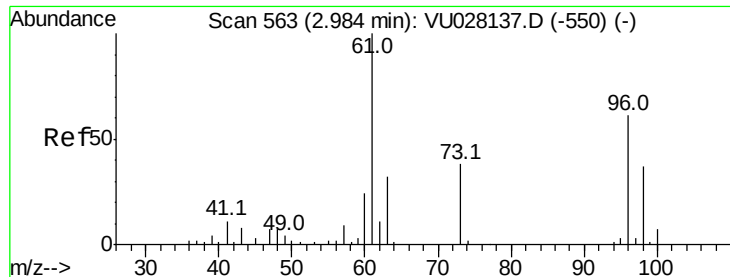
Tot Ion: 96 Resp: 711
 Ion Ratio Lower Upper
 96 100
 61 1193.2 134.8 250.3#
 63 8731.7 100.1 185.9#



#13
 Acetone
 Concen: 3.384 ug/L
 RT: 2.33 min Scan# 361
 Delta R.T. 0.01 min
 Lab File: VU028157.D
 Acq: 15 Nov 2018 06:27

Tgt Ion: 43 Resp: 7410
 Ion Ratio Lower Upper
 43 100
 58 32.5 0.0 61.6





#18

trans-1,2-Dichloroethene

Concen: 0.325 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028157.D

Acq: 15 Nov 2018 06:27

Instrument :

MSVOA_U

ClientSampleId :

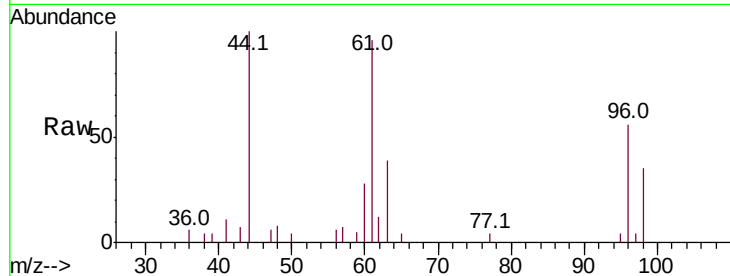
Tot Ion: 96 Resp: 3104

Ion Ratio Lower Upper

96 100

61 171.4 118.5 220.1

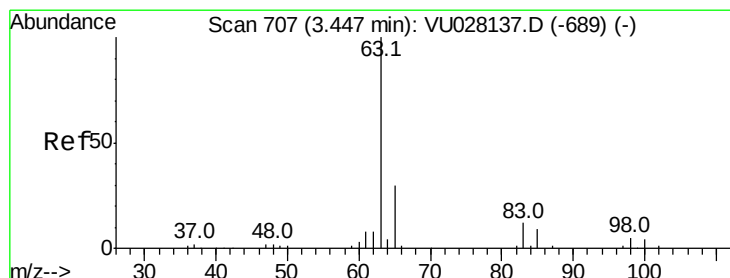
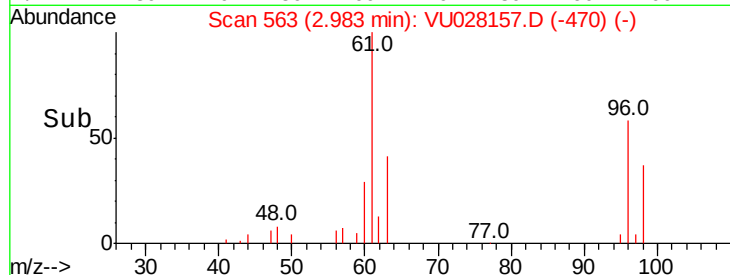
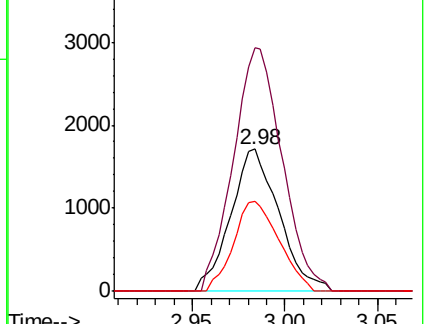
98 63.5 44.9 83.5



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



#19

1,1-Dichloroethane

Concen: 0.059 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU028157.D

Acq: 15 Nov 2018 06:27

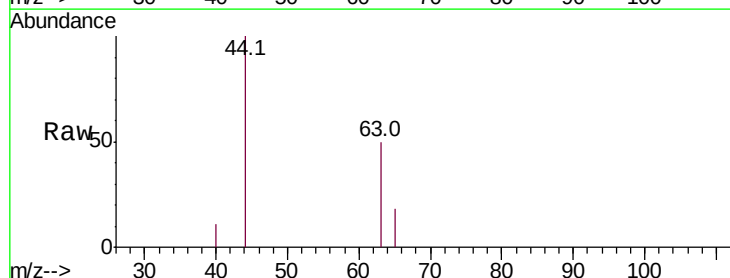
Tgt Ion: 63 Resp: 1187

Ion Ratio Lower Upper

63 100

65 36.2 22.2 41.2

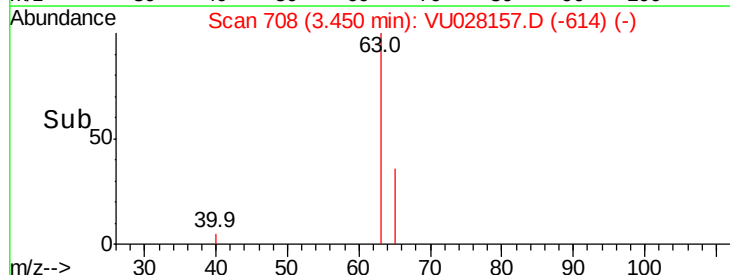
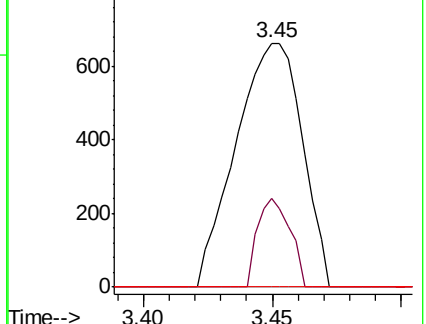
83 0.0 8.9 16.5#

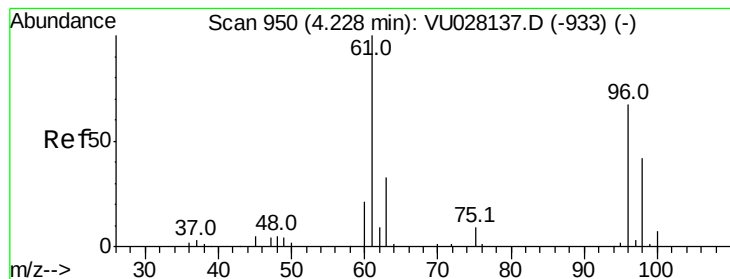


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 2.200 ug/L

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU028157.D

Acq: 15 Nov 2018 06:27

Instrument :
MSVOA_U
ClientSampleId :

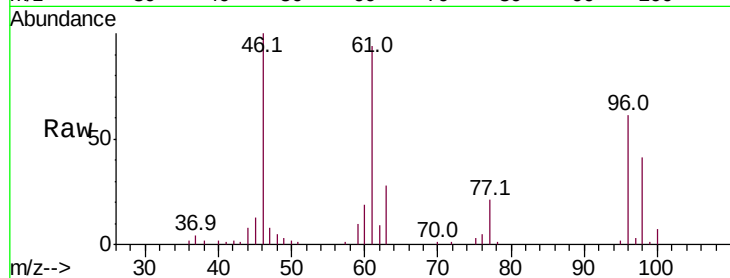
Tot Ion: 96 Resp: 23162

Ion Ratio Lower Upper

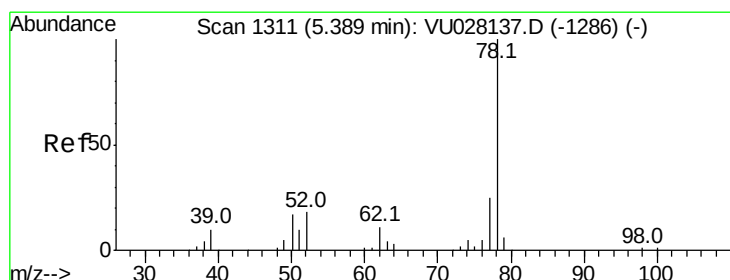
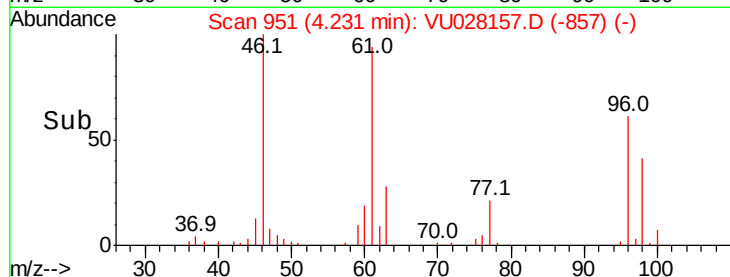
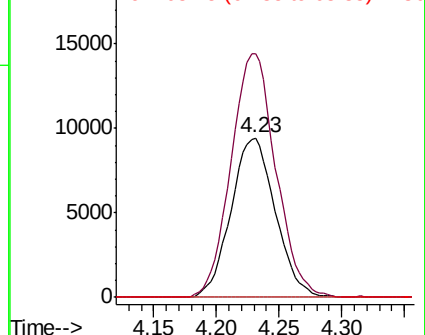
96 100

61 152.9 101.8 189.0

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: 0.100 ug/L

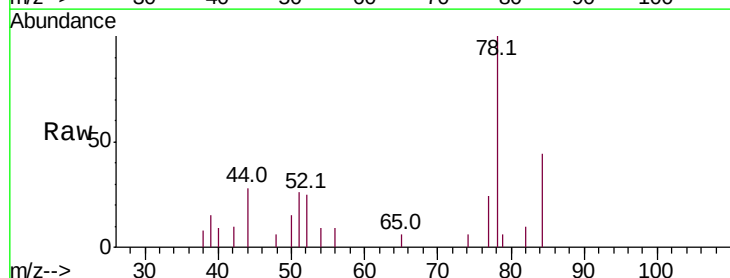
RT: 5.39 min Scan# 1313

Delta R.T. 0.01 min

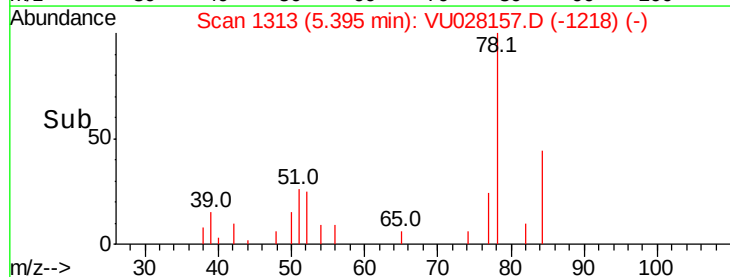
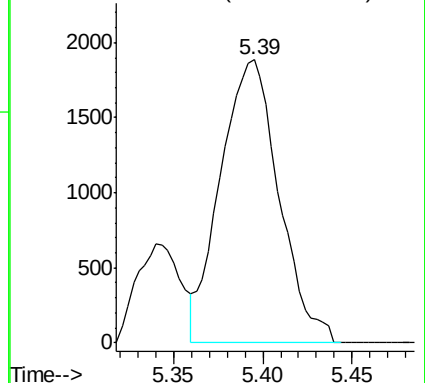
Lab File: VU028157.D

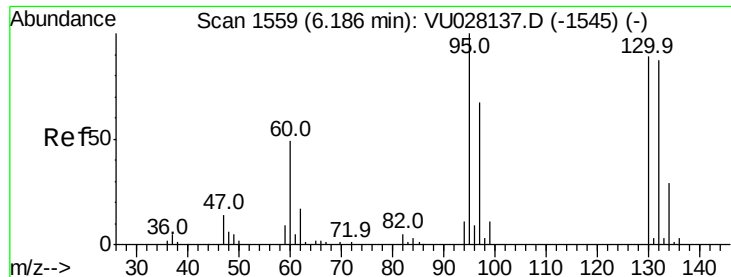
Acq: 15 Nov 2018 06:27

Tgt Ion: 78 Resp: 4292



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.303 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028157.D

Acq: 15 Nov 2018 06:27

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 3207

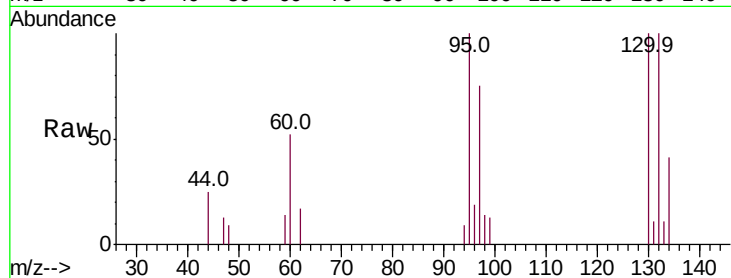
Ion Ratio Lower Upper

95 100

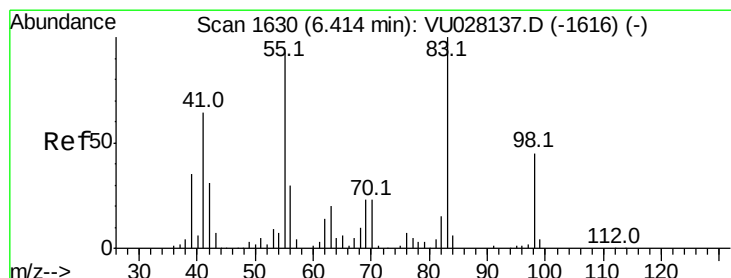
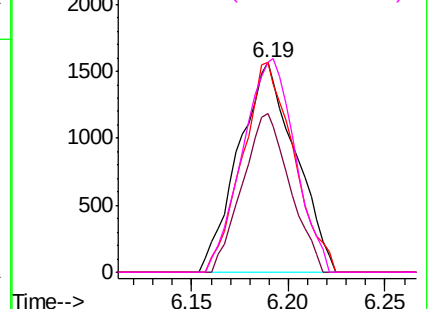
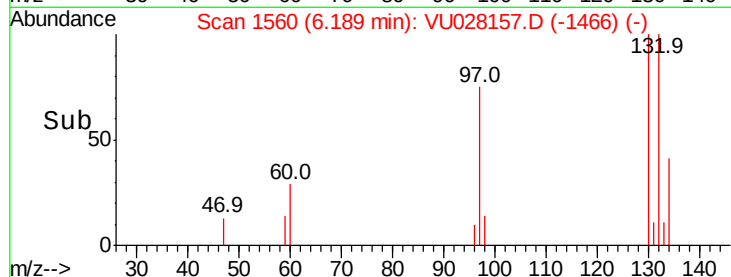
97 75.4 45.3 84.1

132 100.2 63.0 117.0

130 99.8 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: 0.650 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028157.D

Acq: 15 Nov 2018 06:27

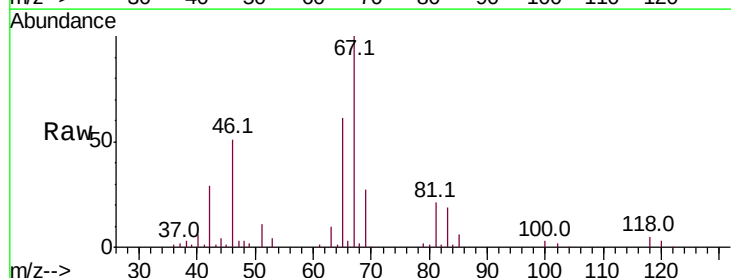
Tgt Ion: 83 Resp: 11828

Ion Ratio Lower Upper

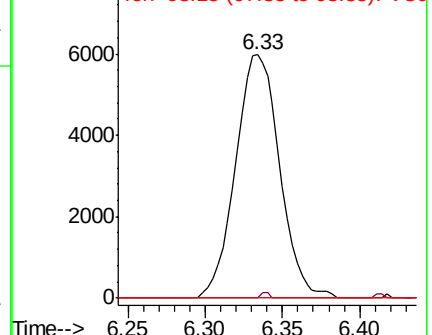
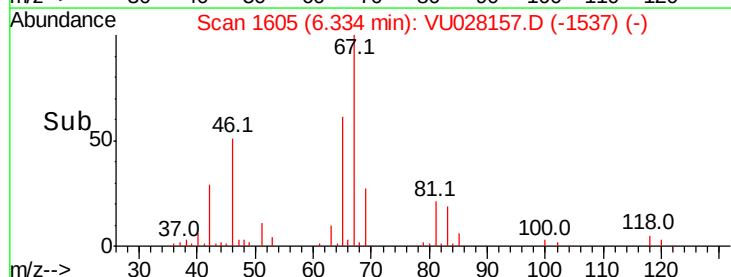
83 100

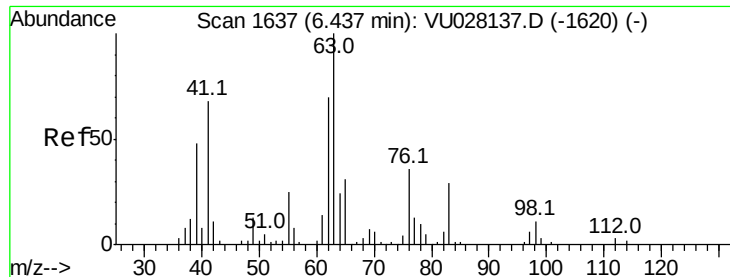
55 0.4 69.0 103.4#

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

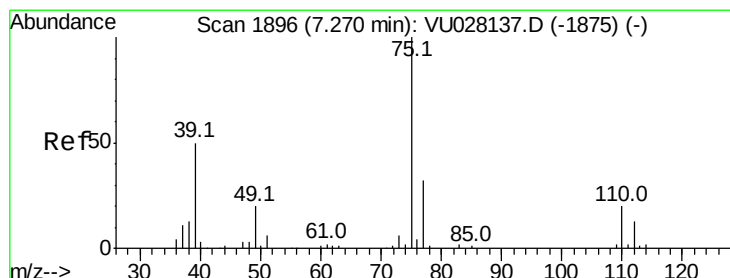
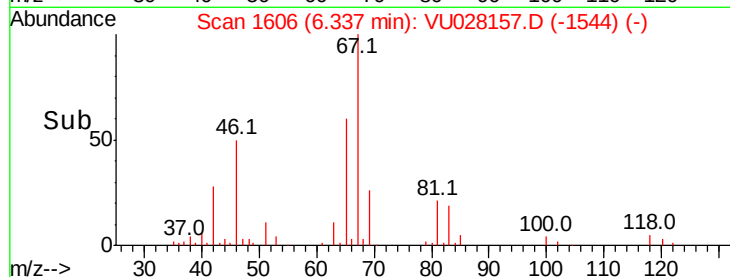
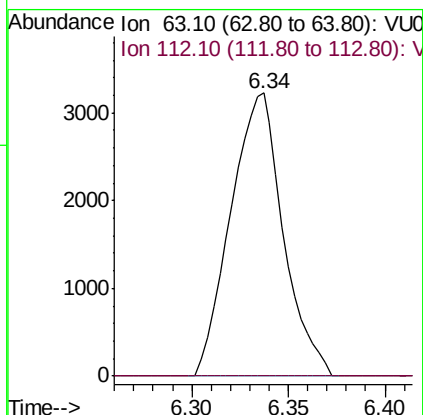
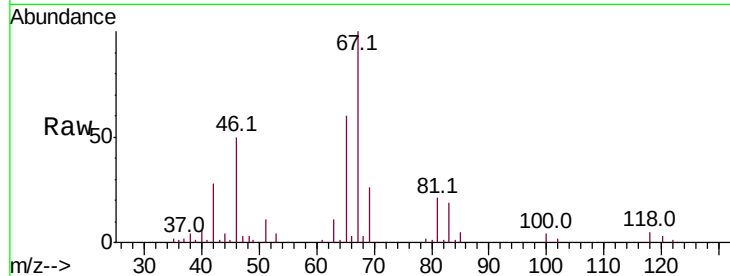




#37
 1,2-Dichloropropane
 Concen: 0.514 ug/L
 RT: 6.34 min Scan# 1606
 Delta R.T. -0.10 min
 Lab File: VU028157.D
 Acq: 15 Nov 2018 06:27

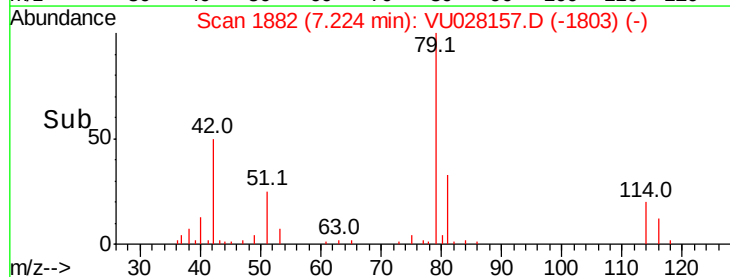
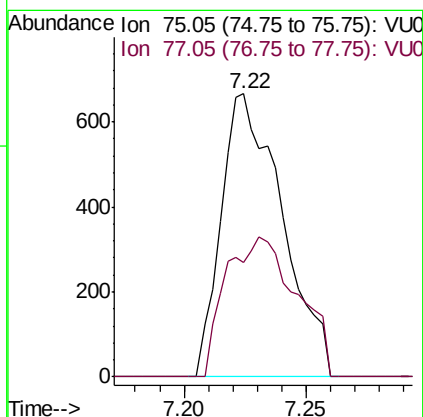
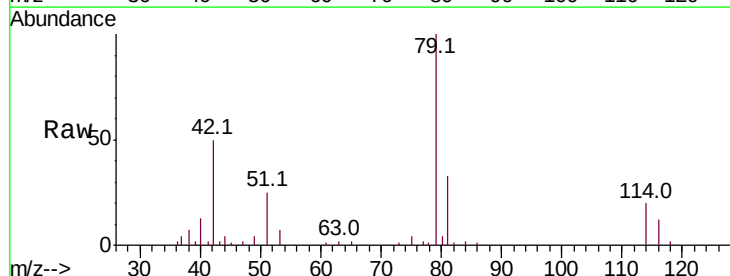
Instrument :
 MSVOA_U
 ClientSampleId :

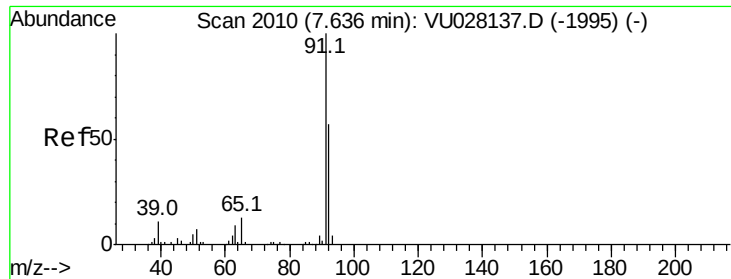
Tot Ion: 63 Resp: 6094
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.2 3.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.072 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.05 min
 Lab File: VU028157.D
 Acq: 15 Nov 2018 06:27

Tgt Ion: 75 Resp: 1158
 Ion Ratio Lower Upper
 75 100
 77 40.2 20.9 38.9#





#42

Toluene

Concen: 0.048 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028157.D

Acq: 15 Nov 2018 06:27

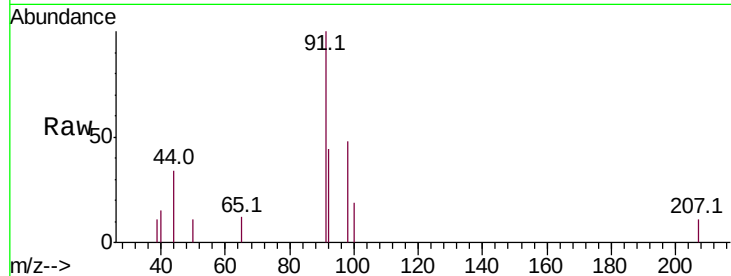
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 2116

Ion Ratio Lower Upper

91 100

92 43.9 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

1200

1000

800

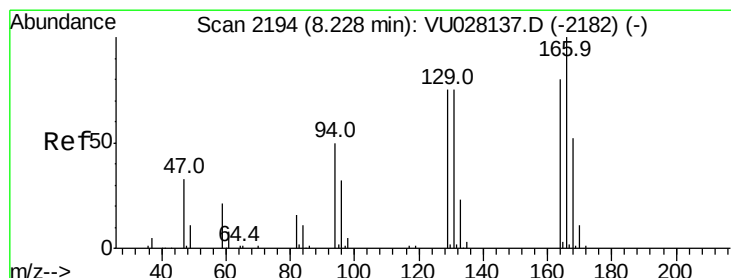
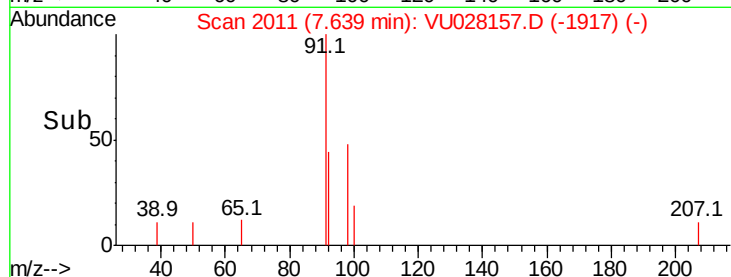
600

400

200

0

Time-->



#47

Tetrachloroethene

Concen: 0.086 ug/L

RT: 8.24 min Scan# 2197

Delta R.T. 0.01 min

Lab File: VU028157.D

Acq: 15 Nov 2018 06:27

Tgt Ion:164 Resp: 737

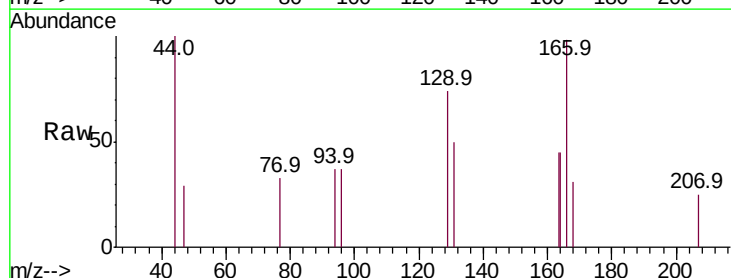
Ion Ratio Lower Upper

164 100

129 82.4 69.7 129.4

131 55.9 64.0 118.8#

166 109.1 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) (-)

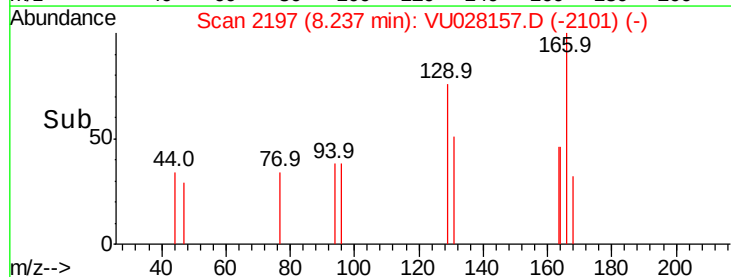
600

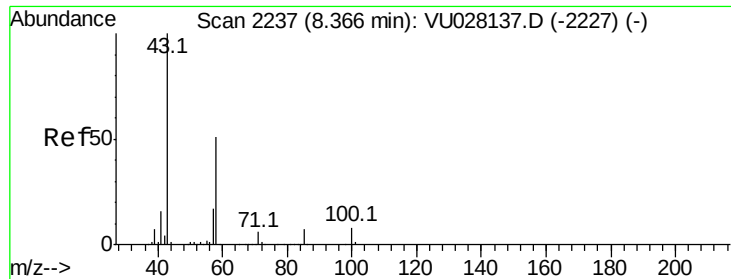
400

200

0

Time-->

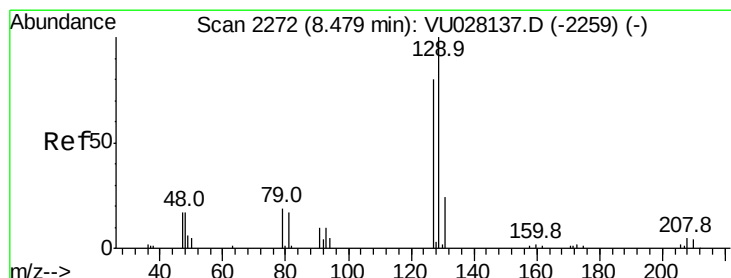
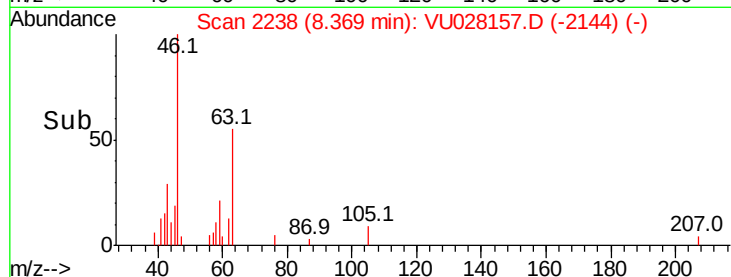
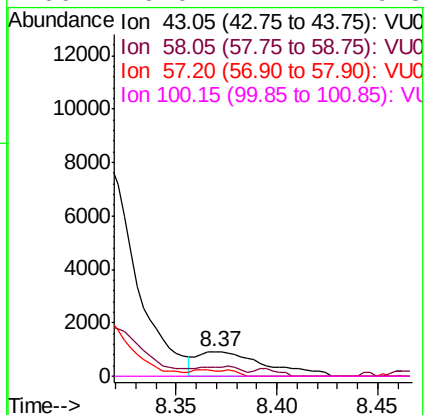
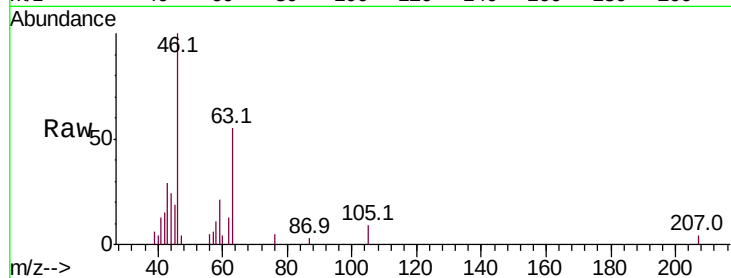




#48
2-Hexanone
Concen: 0.371 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU028157.D
Acq: 15 Nov 2018 06:27

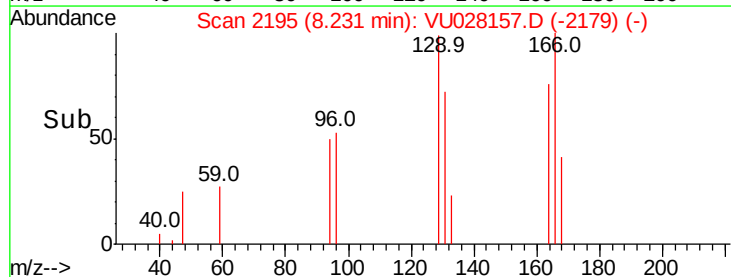
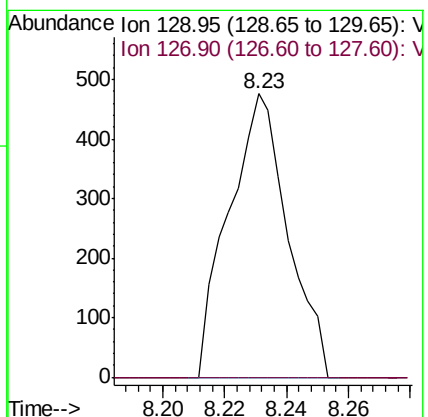
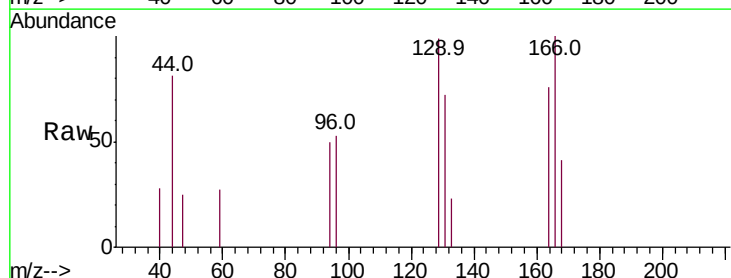
Instrument :
MSVOA_U
ClientSampleId :

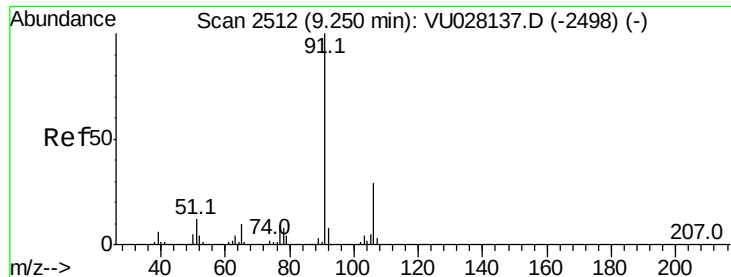
Tot Ion: 43 Resp: 2155
Ion Ratio Lower Upper
43 100
58 25.2 41.7 62.5#
57 0.0 14.0 21.0#
100 0.0 7.2 10.8#



#49
Dibromochloromethane
Concen: 0.083 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. -0.25 min
Lab File: VU028157.D
Acq: 15 Nov 2018 06:27

Tgt Ion: 129 Resp: 632
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#





#52

Ethylbenzene

Concen: 0.033 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU028157.D

Acq: 15 Nov 2018 06:27

Instrument :

MSVOA_U

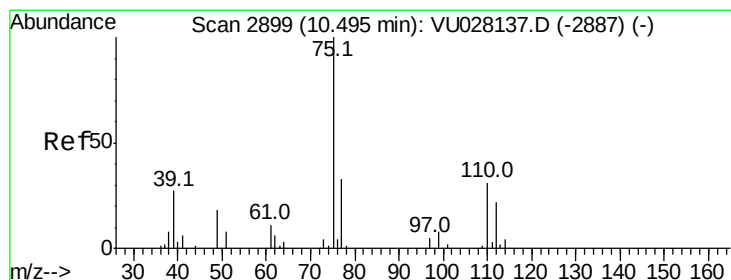
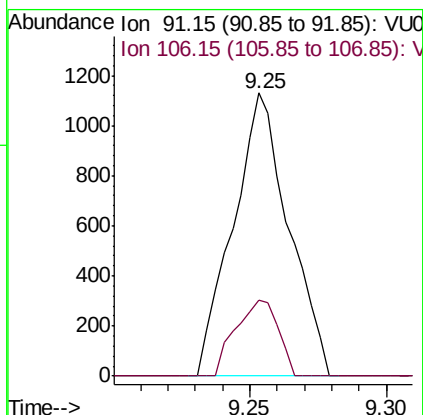
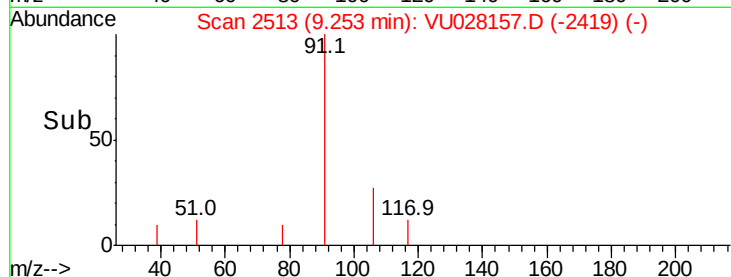
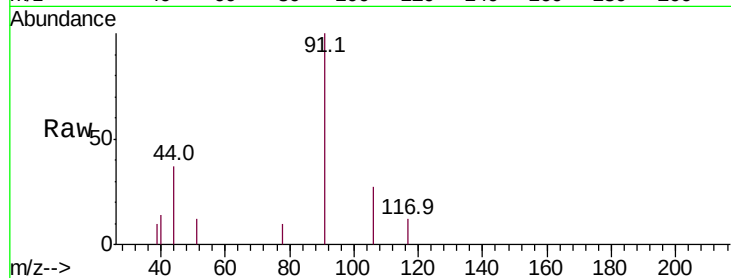
ClientSampleId :

Tot Ion: 91 Resp: 1596

Ion Ratio Lower Upper

91 100

106 26.6 20.9 38.7



#59

1,2,3-Trichloropropane

Concen: 1.290 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028157.D

Acq: 15 Nov 2018 06:27

Tgt Ion: 75 Resp: 8581

Ion Ratio Lower Upper

75 100

77 35.8 25.4 38.0

