

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028129.D
 Acq On : 14 Nov 2018 18:35
 Operator : MD/SY
 Sample : J5948-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 04:30:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 15 04:25:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	143903	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	134684	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	62687	5.00	ug/L	0.00

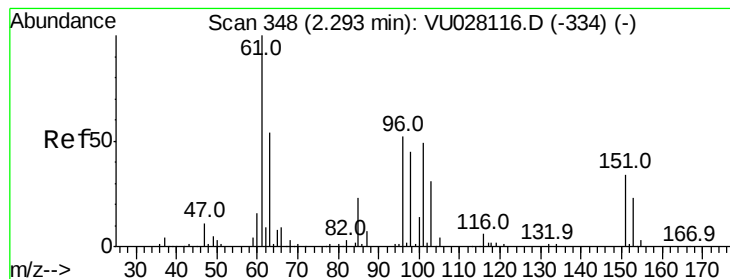
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54597	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.68	69	45019	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.28	63	78359	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.20%
20) 2-Butanone-d5	4.19	46	183436	52.96	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.92%
24) Chloroform-d	4.65	84	90023	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.31	65	53326	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.34	84	188099	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.33	67	70370	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.57	98	167261	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	7.85	79	21915	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.31	63	143936	51.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.16%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	48595	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	55916	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	635	0.067	ug/L #	20
13) Acetone	2.32	43	2533	1.086	ug/L	75
19) 1,1-Dichloroethane	3.44	63	1608	0.075	ug/L #	88
22) cis-1,2-Dichloroethene	4.23	96	13294	1.185	ug/L	99
25) Chloroform	4.67	83	2339	0.122	ug/L	88
27) 1,2-Dichloroethane	5.41	62	1402	0.111	ug/L #	76
34) Trichloroethene	6.19	95	2515	0.224	ug/L	94
35) Methylcyclohexane	6.33	83	14253	0.739	ug/L #	15
37) 1,2-Dichloropropane	6.33	63	7499	0.598	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1612	0.095	ug/L	85
47) Tetrachloroethene	8.23	164	11104	1.218	ug/L	96
48) 2-Hexanone	8.31	43	17668	2.874	ug/L #	66
49) Dibromochloromethane	8.23	129	10126	1.256	ug/L #	11
59) 1,2,3-Trichloropropane	11.49	75	8493	1.205	ug/L	91

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



#10

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

Concen: 0.067 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028129.D

Acq: 14 Nov 2018 18:35

Instrument :

MSVOA_U

ClientSampleId :

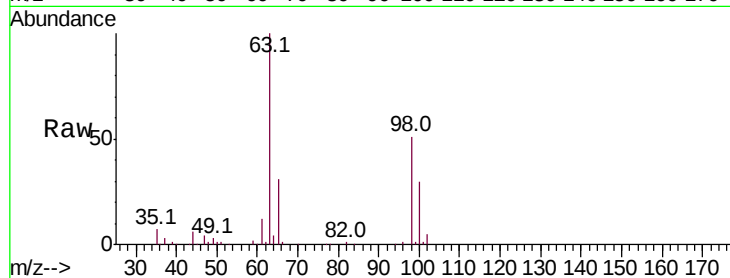
Tot Ion:101 Resp: 635

Ion Ratio Lower Upper

101 100

85 0.0 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

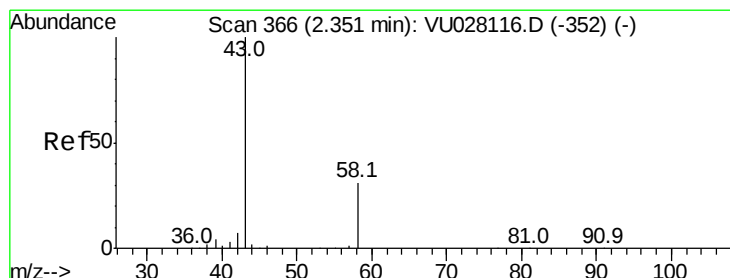
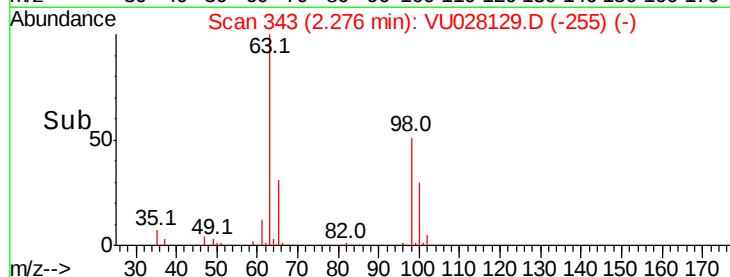
400

200

0

2.24 2.26 2.28 2.30

Time-->



#13

Acetone

Concen: 1.086 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.03 min

Lab File: VU028129.D

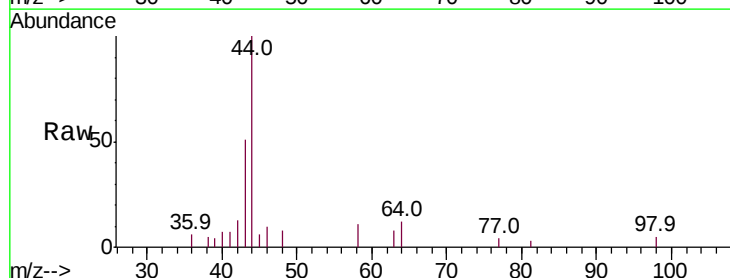
Acq: 14 Nov 2018 18:35

Tgt Ion: 43 Resp: 2533

Ion Ratio Lower Upper

43 100

58 17.0 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.32

1500

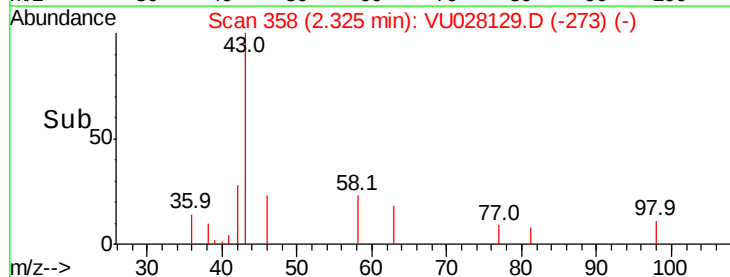
1000

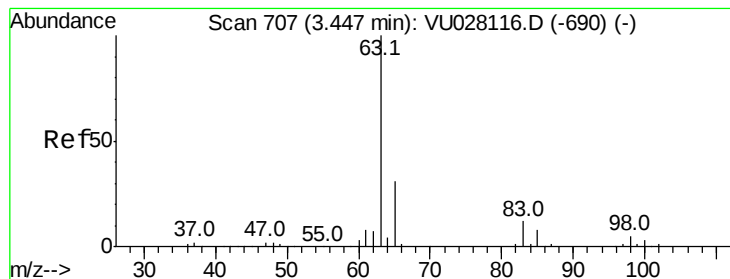
500

0

2.25 2.30 2.35 2.40

Time-->





#19

1,1-Dichloroethane

Concen: 0.075 ug/L

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028129.D

Acq: 14 Nov 2018 18:35

Instrument :

MSVOA_U

ClientSampled :

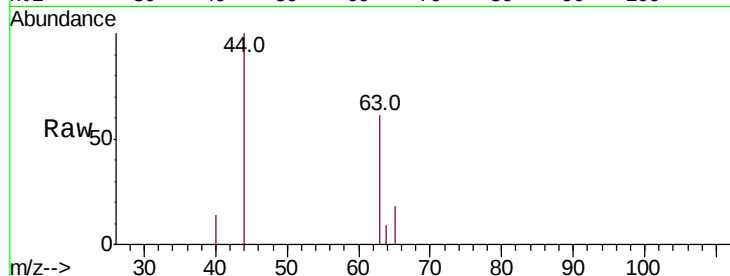
Tot Ion: 63 Resp: 1608

Ion Ratio Lower Upper

63 100

65 29.2 22.2 41.2

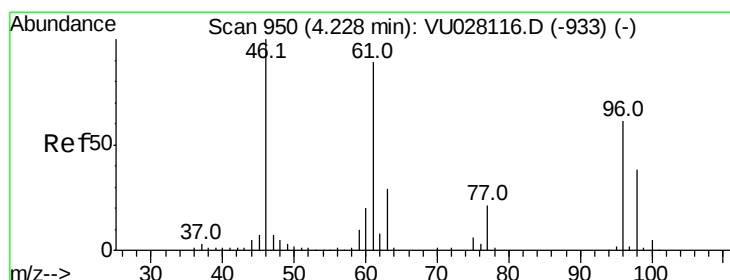
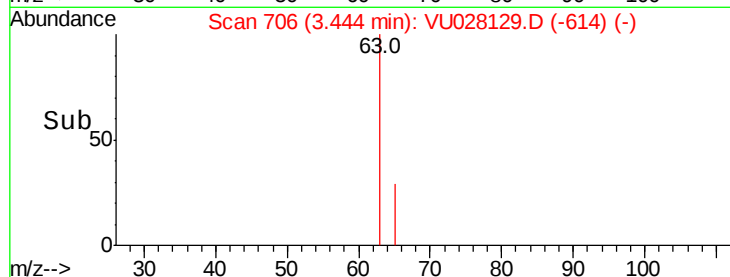
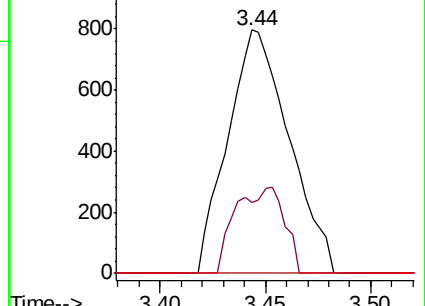
83 0.0 8.9 16.5#



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: 1.185 ug/L

RT: 4.23 min Scan# 952

Delta R.T. 0.01 min

Lab File: VU028129.D

Acq: 14 Nov 2018 18:35

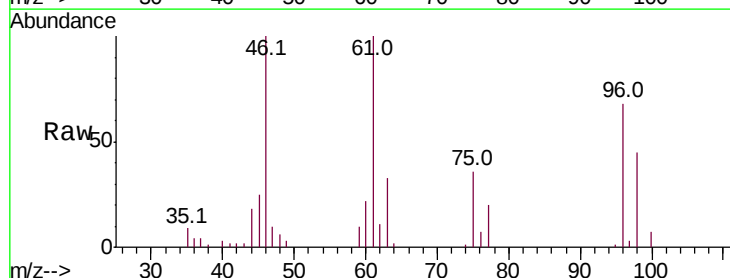
Tgt Ion: 96 Resp: 13294

Ion Ratio Lower Upper

96 100

61 146.6 101.8 189.0

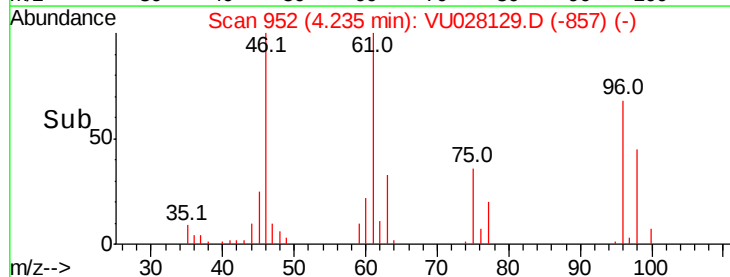
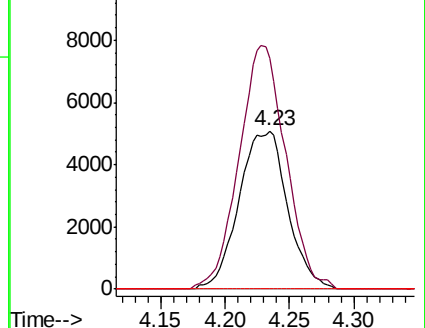
68 0.0 0.0 0.0

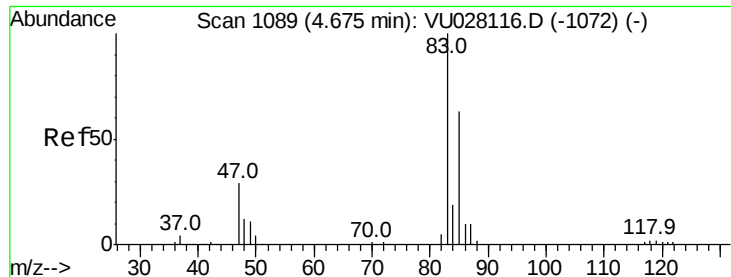


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

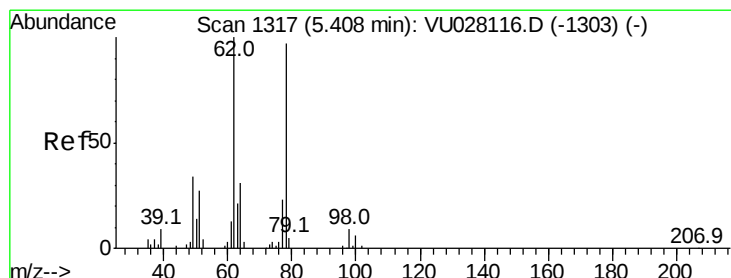
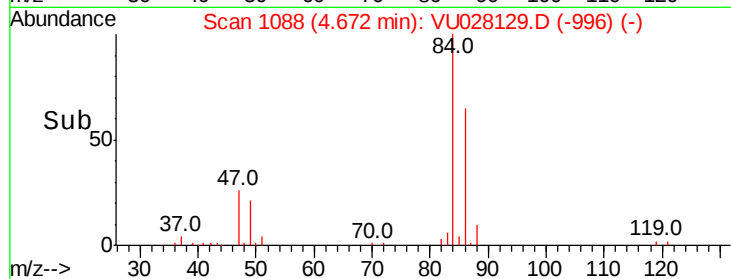
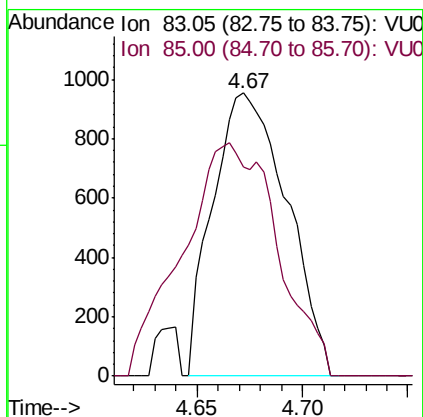
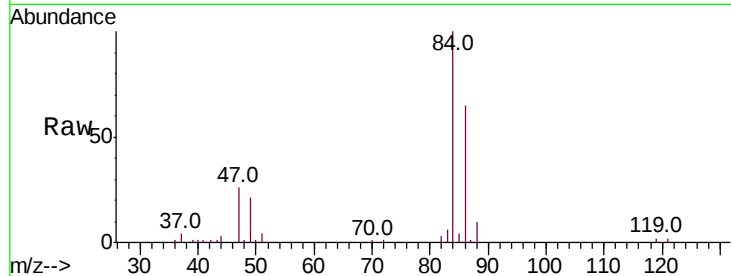




#25
Chloroform
Concen: 0.122 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028129.D
Acq: 14 Nov 2018 18:35

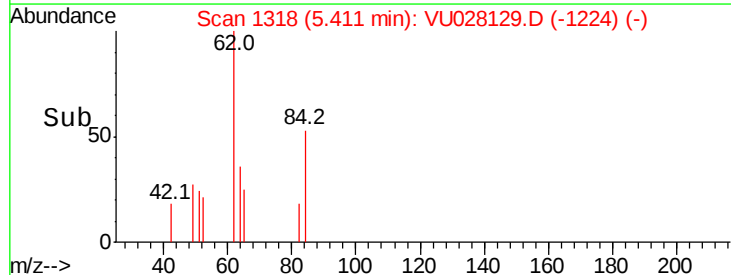
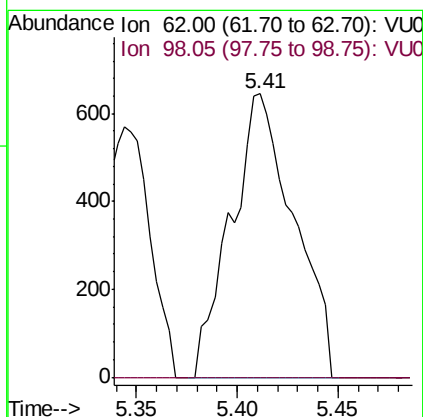
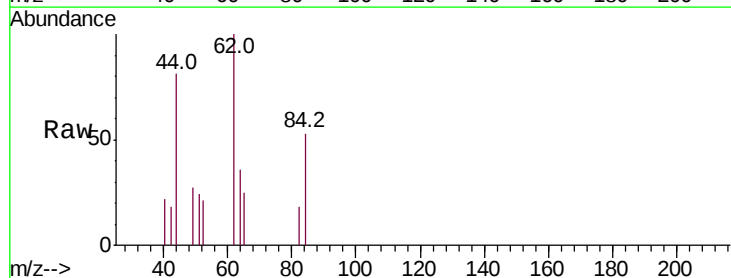
Instrument :
MSVOA_U
ClientSampleId :

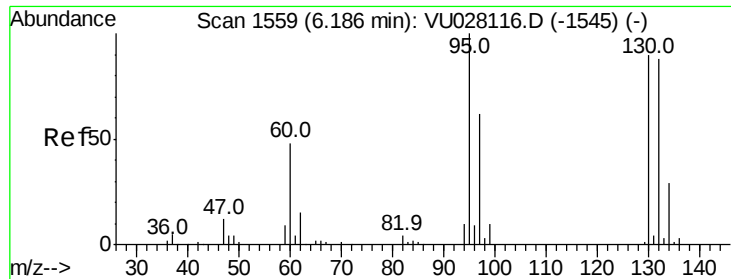
Tot Ion: 83 Resp: 2339
Ion Ratio Lower Upper
83 100
85 73.9 45.0 83.6



#27
1,2-Dichloroethane
Concen: 0.111 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU028129.D
Acq: 14 Nov 2018 18:35

Tgt Ion: 62 Resp: 1402
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.4#

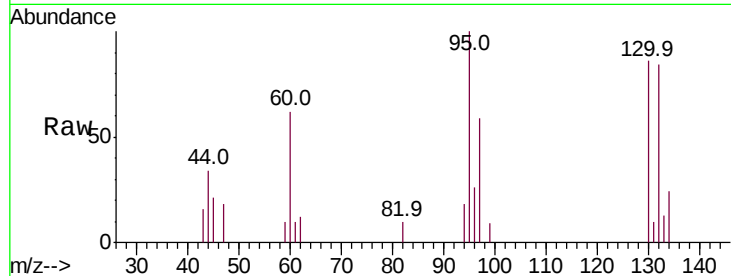




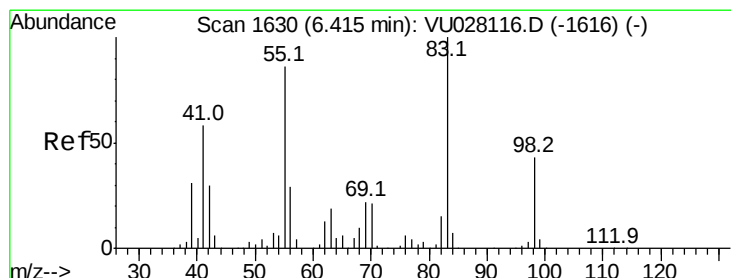
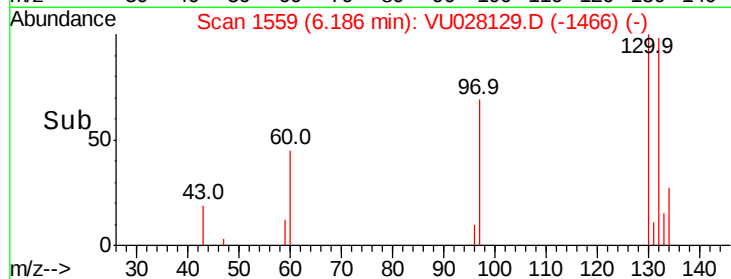
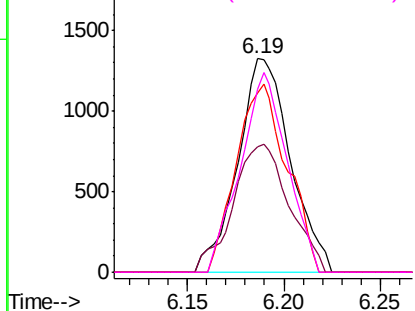
#34
 Trichloroethene
 Concen: 0.224 ug/L
 RT: 6.19 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VU028129.D
 Acq: 14 Nov 2018 18:35

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 2515
 Ion Ratio Lower Upper
 95 100
 97 58.8 45.3 84.1
 132 84.0 63.0 117.0
 130 85.6 63.6 118.2

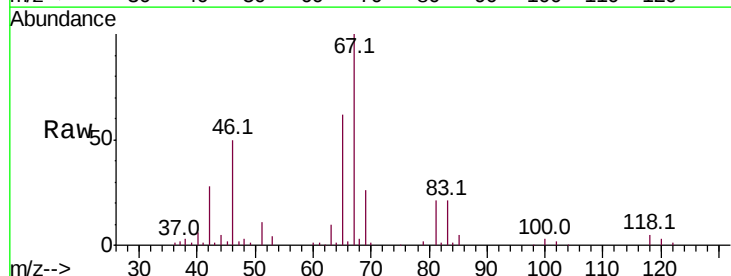


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

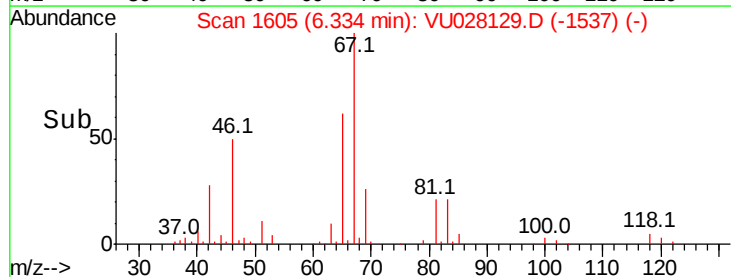
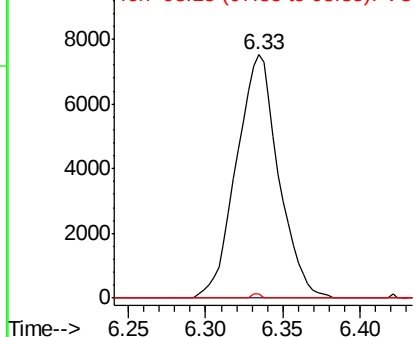


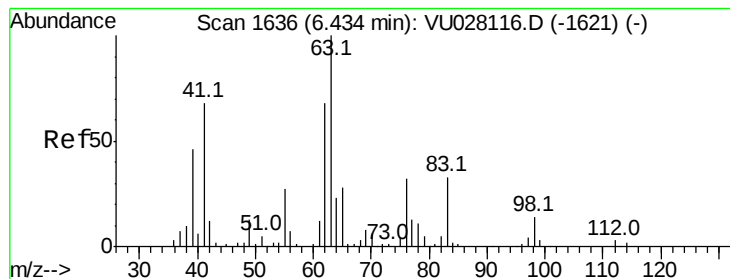
#35
 Methylcyclohexane
 Concen: 0.739 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.08 min
 Lab File: VU028129.D
 Acq: 14 Nov 2018 18:35

Tgt Ion: 83 Resp: 14253
 Ion Ratio Lower Upper
 83 100
 55 0.0 69.0 103.4#
 98 0.3 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: 0.598 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU028129.D

Acq: 14 Nov 2018 18:35

Instrument :

MSVOA_U

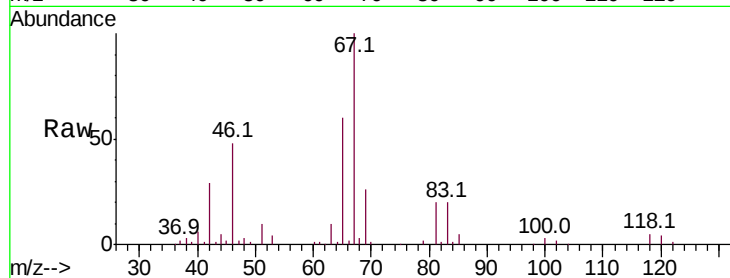
ClientSampled :

Tot Ion: 63 Resp: 7499

Ion Ratio Lower Upper

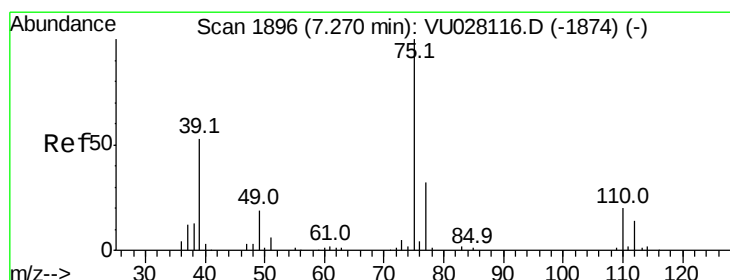
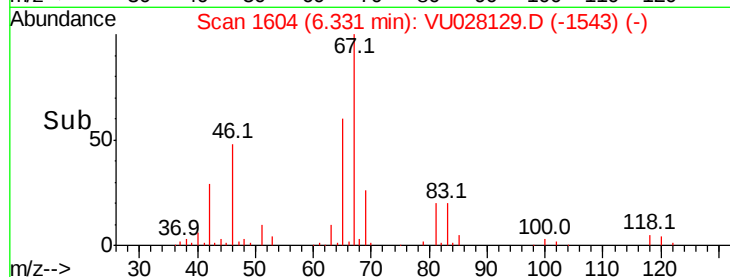
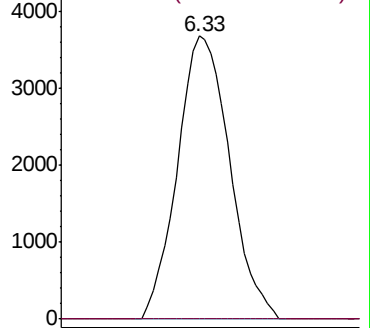
63 100

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: 0.095 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU028129.D

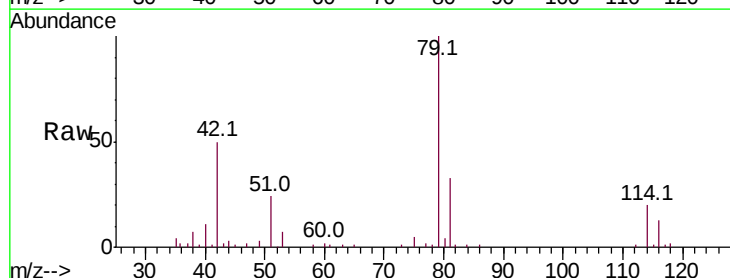
Acq: 14 Nov 2018 18:35

Tgt Ion: 75 Resp: 1612

Ion Ratio Lower Upper

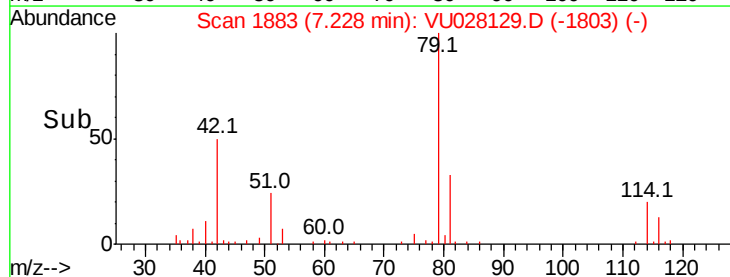
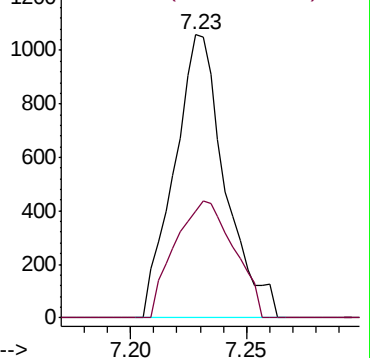
75 100

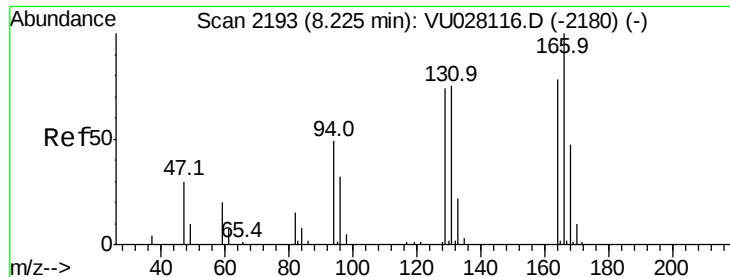
77 37.9 20.9 38.9



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

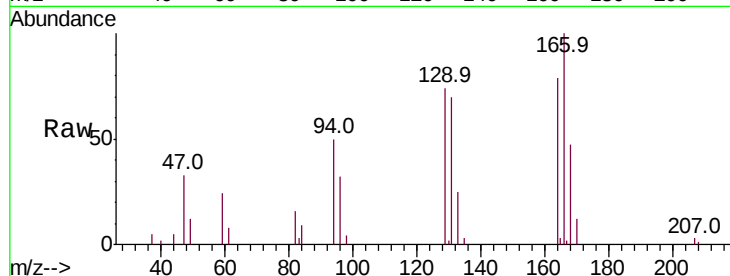




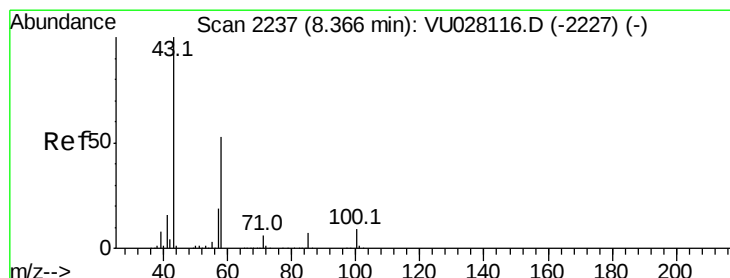
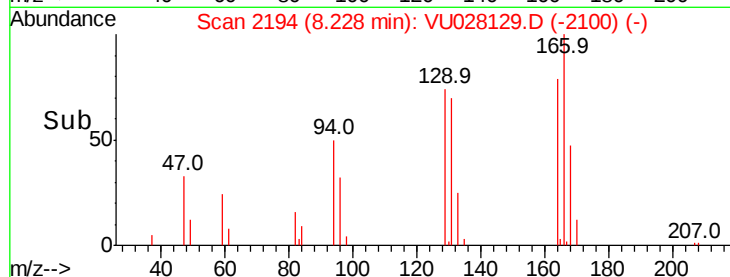
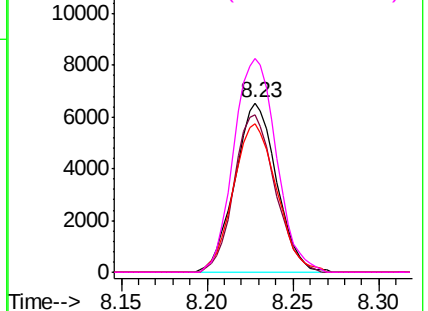
#47
Tetrachloroethene
Concen: 1.218 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028129.D
Acq: 14 Nov 2018 18:35

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 11104
Ion Ratio Lower Upper
164 100
129 93.0 69.7 129.4
131 87.9 64.0 118.8
166 126.3 86.4 160.4

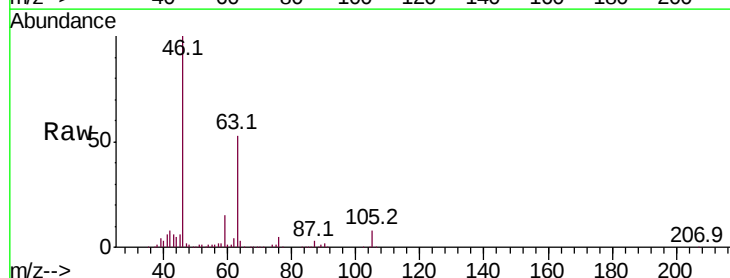


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

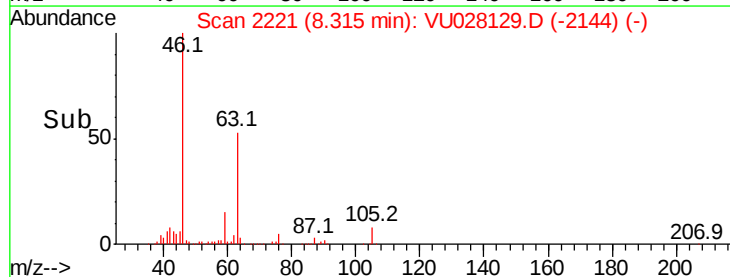
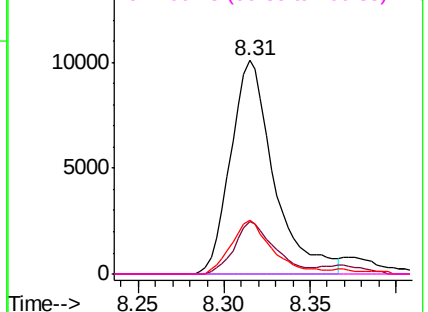


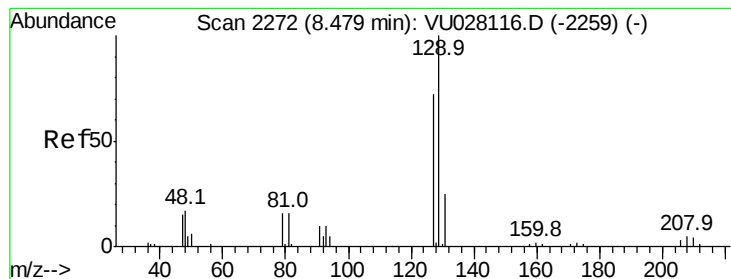
#48
2-Hexanone
Concen: 2.874 ug/L
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU028129.D
Acq: 14 Nov 2018 18:35

Tgt Ion: 43 Resp: 17668
Ion Ratio Lower Upper
43 100
58 22.6 41.7 62.5#
57 23.9 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: 1.256 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028129.D

Acq: 14 Nov 2018 18:35

Instrument :

MSVOA_U

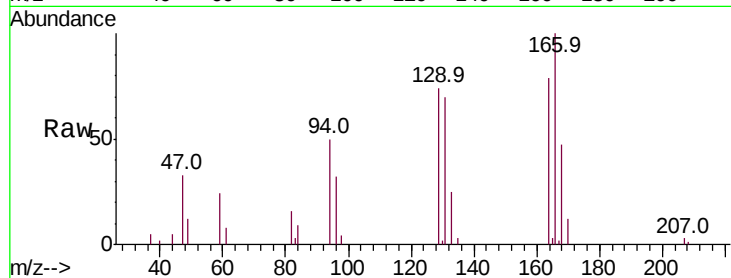
ClientSampled :

Tot Ion:129 Resp: 10126

Ion Ratio Lower Upper

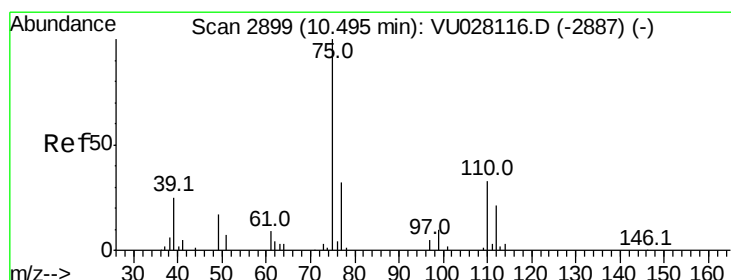
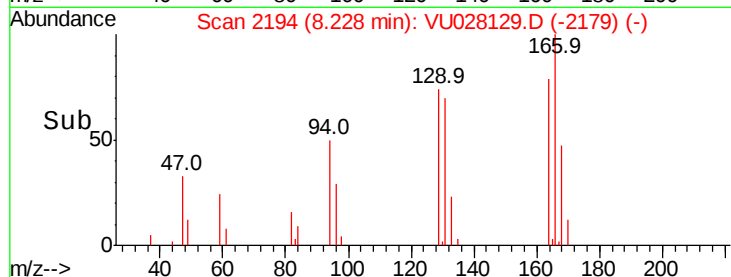
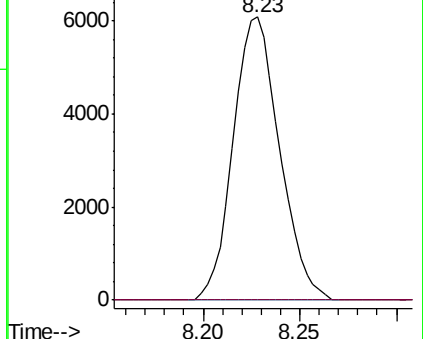
129 100

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



#59

1,2,3-Trichloropropane

Concen: 1.205 ug/L

RT: 11.49 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028129.D

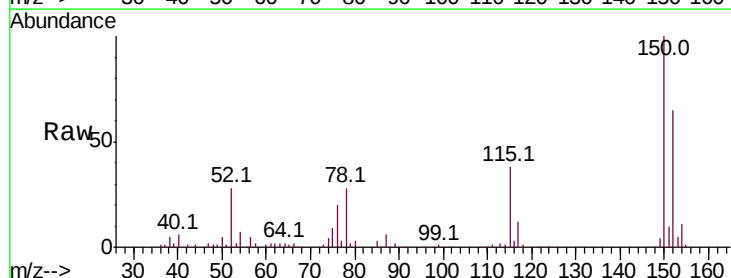
Acq: 14 Nov 2018 18:35

Tgt Ion: 75 Resp: 8493

Ion Ratio Lower Upper

75 100

77 36.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

