

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028123.D
 Acq On : 14 Nov 2018 16:13
 Operator : MD/SY
 Sample : J5948-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 04:29:28 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	169688	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	160378	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	73456	5.00	ug/L	0.00

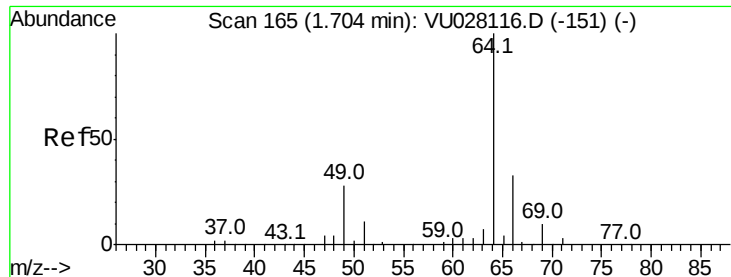
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	57893	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.68	69	46900	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.28	63	81119	3.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.60%
20) 2-Butanone-d5	4.19	46	187664	45.95	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.90%
24) Chloroform-d	4.65	84	94841	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.31	65	54842	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
32) Benzene-d6	5.34	84	200166	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.33	67	73177	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.80%
41) Toluene-d8	7.57	98	179349	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
43) trans-1,3-Dichloropropene-	7.85	79	24129	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.31	63	147536	43.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	50353	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	60639	4.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.65	64	2242	0.205	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	589	0.053	ug/L #	20
13) Acetone	2.33	43	1500	0.545	ug/L	95
19) 1,1-Dichloroethane	3.45	63	2763	0.110	ug/L #	94
22) cis-1,2-Dichloroethene	4.23	96	16694	1.262	ug/L	98
25) Chloroform	4.68	83	1348	0.060	ug/L #	67
34) Trichloroethene	6.19	95	3554	0.266	ug/L	85
35) Methylcyclohexane	6.33	83	14683	0.640	ug/L #	16
37) 1,2-Dichloropropane	6.33	63	7478	0.500	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1592	0.079	ug/L #	53
47) Tetrachloroethene	8.23	164	8602	0.792	ug/L	89
49) Dibromochloromethane	8.23	129	8140	0.848	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	10323	1.230	ug/L	91

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



#8

Chloroethane

Concen: 0.205 ug/L

RT: 1.65 min Scan# 147

Delta R.T. -0.06 min

Lab File: VU028123.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_U

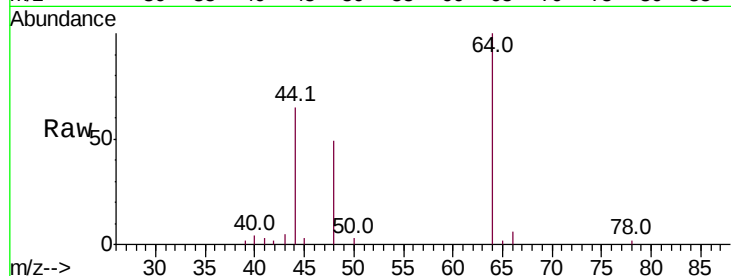
ClientSampleId :

Tot Ion: 64 Resp: 2242

Ion Ratio Lower Upper

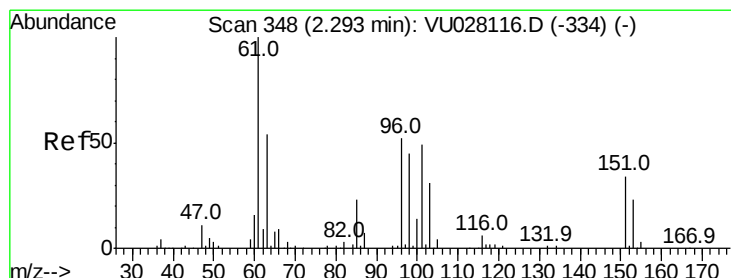
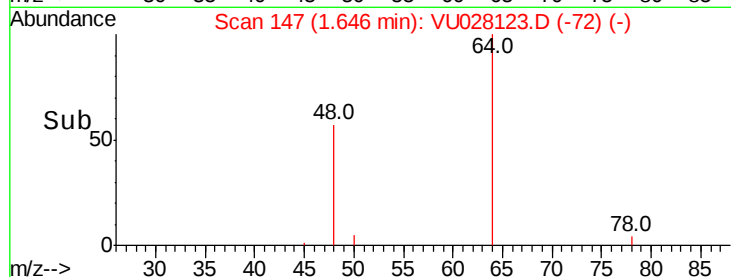
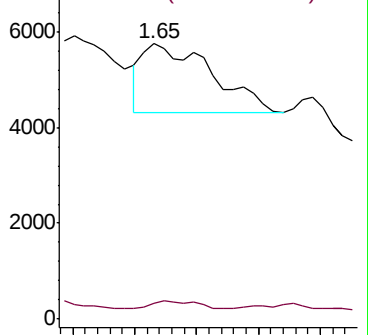
64 100

66 5.6 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#10

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

Concen: 0.053 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028123.D

Acq: 14 Nov 2018 16:13

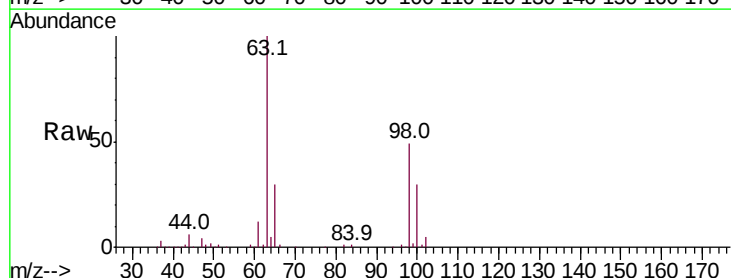
Tgt Ion:101 Resp: 589

Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

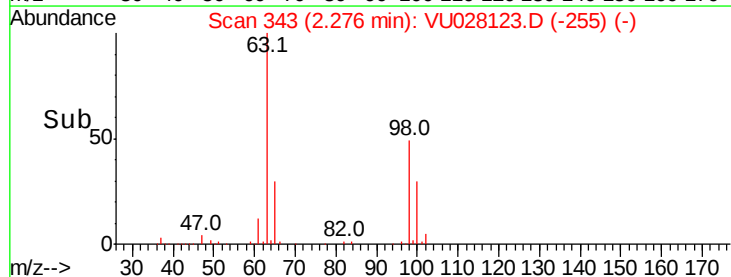
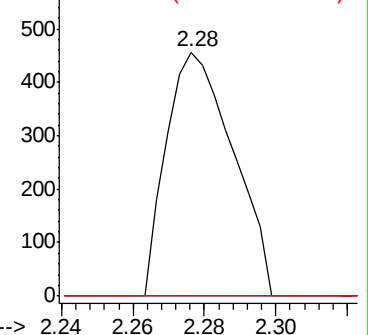
151 0.0 58.2 87.2#

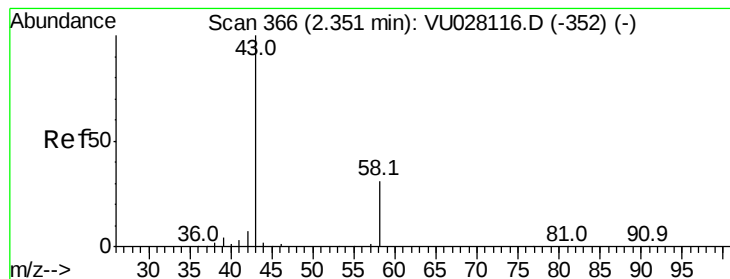


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 0.545 ug/L

RT: 2.33 min Scan# 359

Delta R.T. -0.02 min

Lab File: VU028123.D

Acq: 14 Nov 2018 16:13

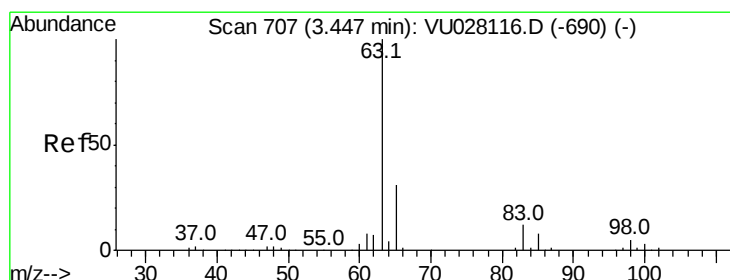
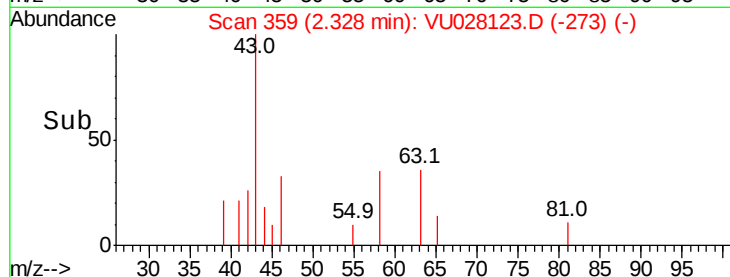
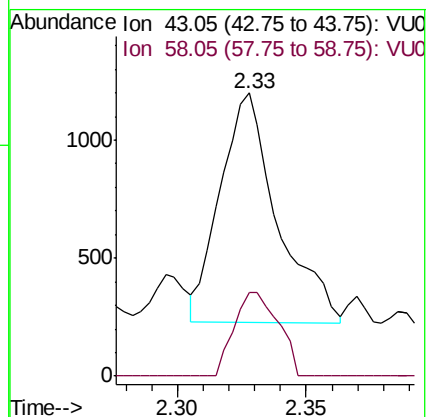
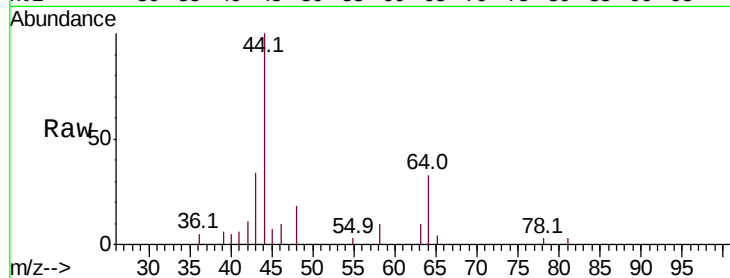
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1500

Ion Ratio Lower Upper

43 100

58 28.2 0.0 61.6



#19

1,1-Dichloroethane

Concen: 0.110 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028123.D

Acq: 14 Nov 2018 16:13

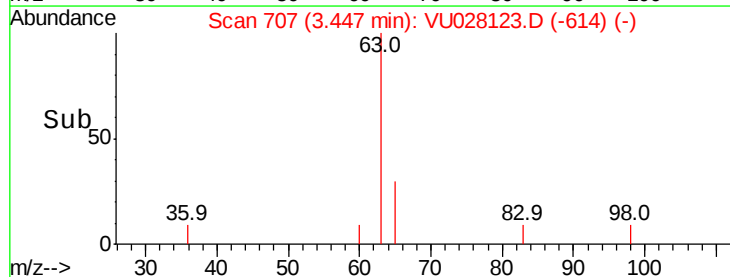
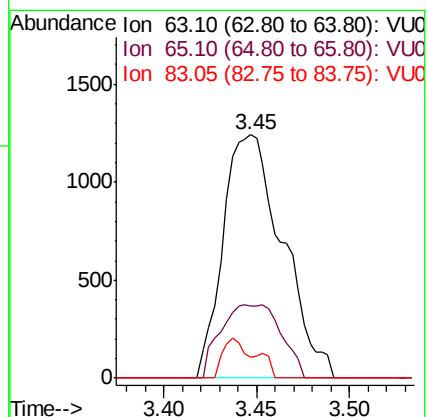
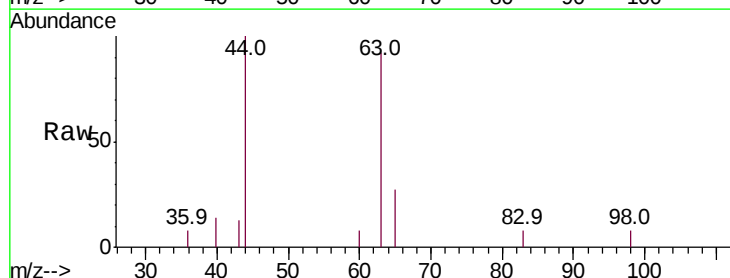
Tgt Ion: 63 Resp: 2763

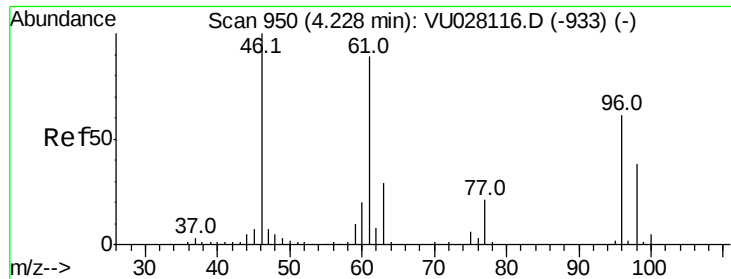
Ion Ratio Lower Upper

63 100

65 29.5 22.2 41.2

83 8.6 8.9 16.5#



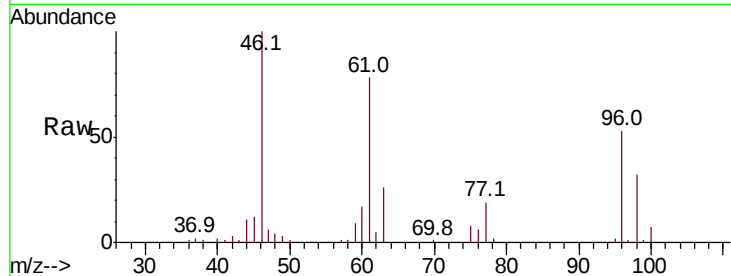


#22

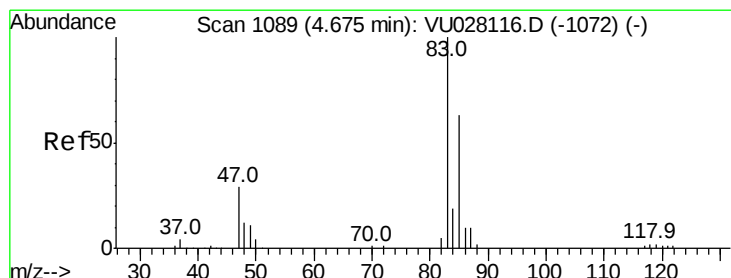
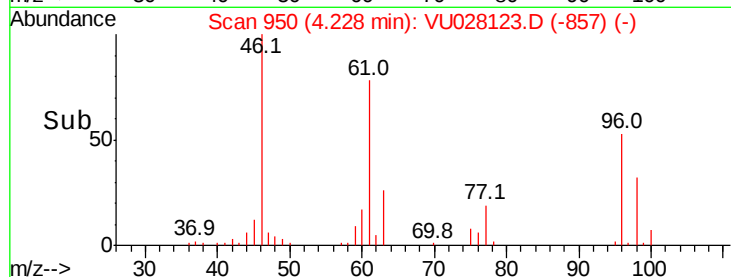
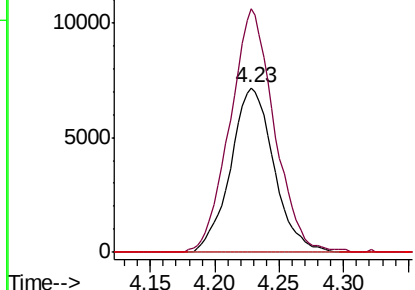
cis-1,2-Dichloroethene
Concen: 1.262 ug/L
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU028123.D
Acq: 14 Nov 2018 16:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 16694
Ion Ratio Lower Upper
96 100
61 148.0 101.8 189.0
68 0.0 0.0 0.0



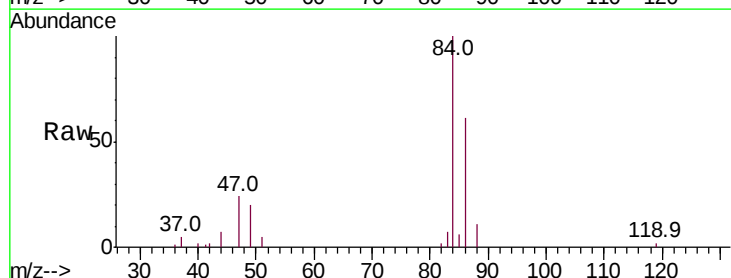
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



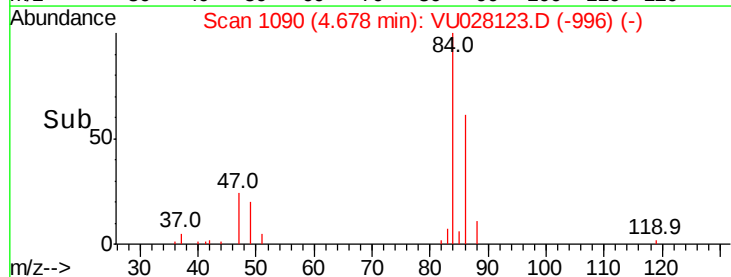
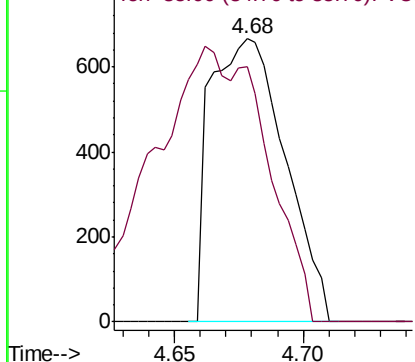
#25

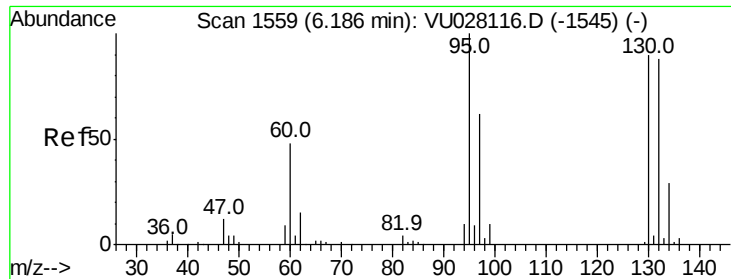
Chloroform
Concen: 0.060 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU028123.D
Acq: 14 Nov 2018 16:13

Tgt Ion: 83 Resp: 1348
Ion Ratio Lower Upper
83 100
85 89.9 45.0 83.6#



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 0.266 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028123.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 3554

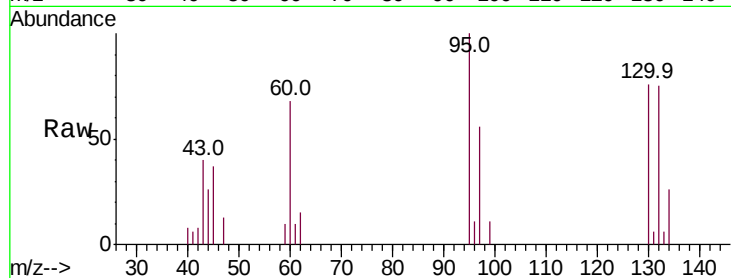
Ion Ratio Lower Upper

95 100

97 56.2 45.3 84.1

132 75.3 63.0 117.0

130 75.6 63.6 118.2

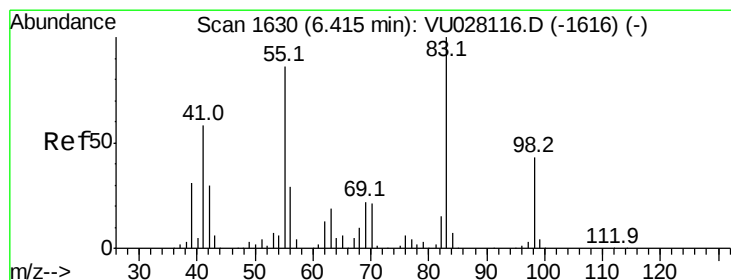
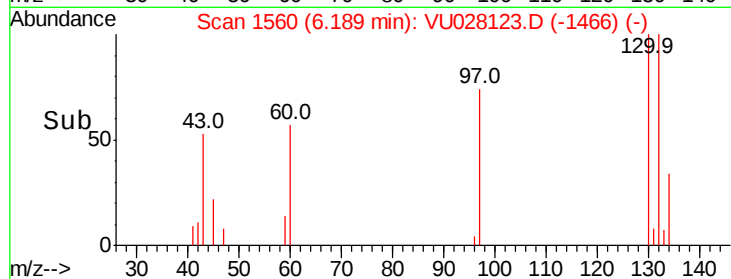
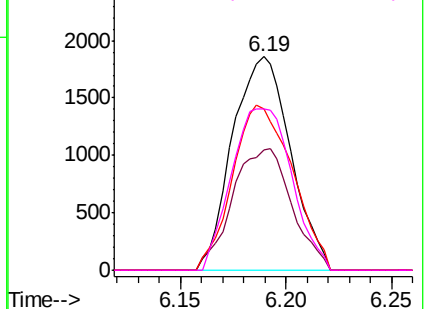


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.640 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU028123.D

Acq: 14 Nov 2018 16:13

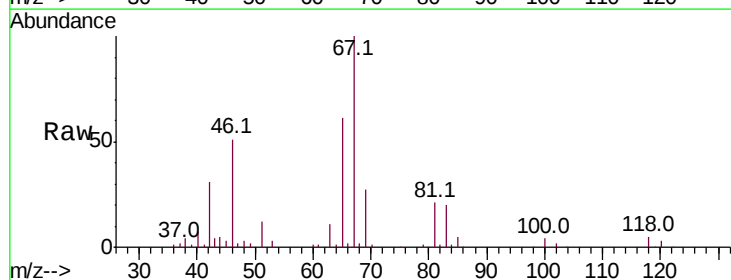
Tgt Ion: 83 Resp: 14683

Ion Ratio Lower Upper

83 100

55 0.0 69.0 103.4#

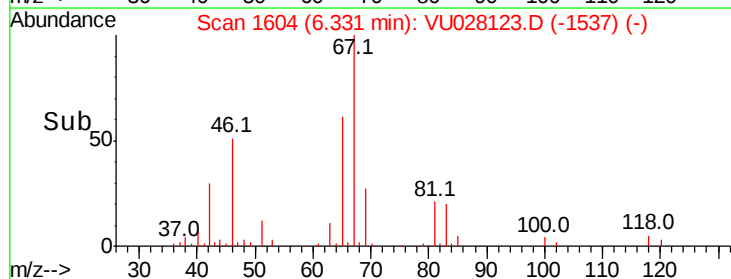
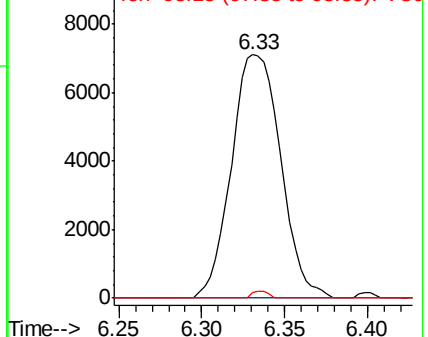
98 0.9 33.3 49.9#

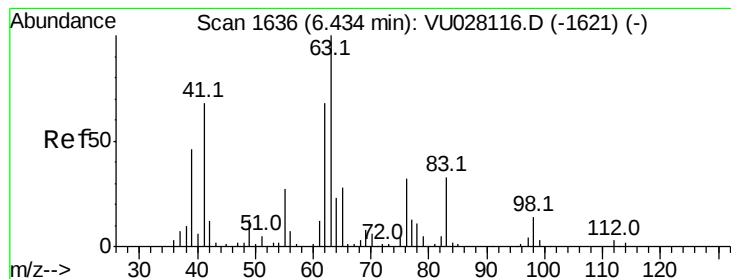


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.500 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU028123.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_U

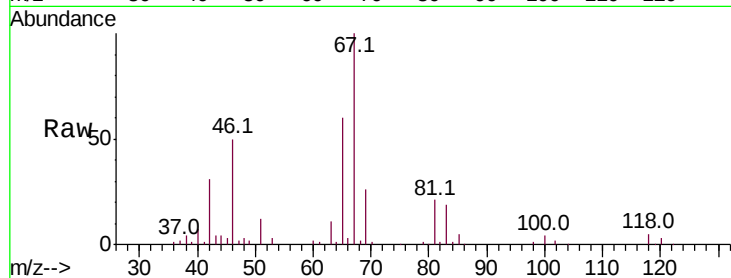
ClientSampled :

Tot Ion: 63 Resp: 7478

Ion Ratio Lower Upper

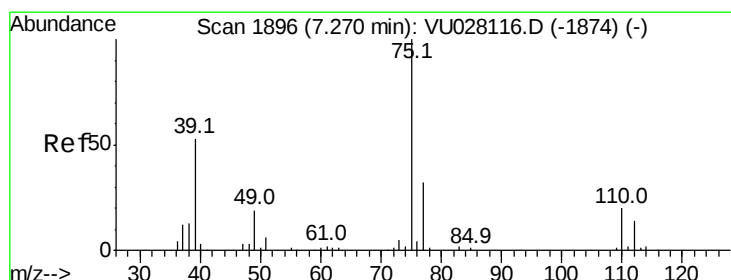
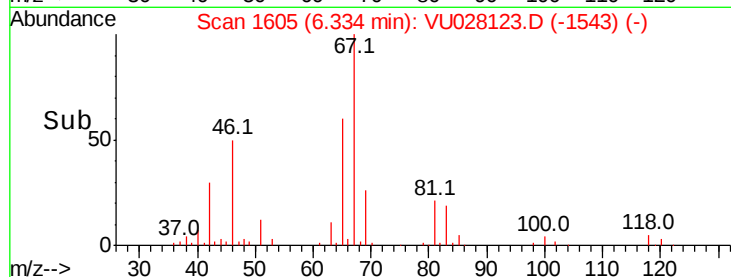
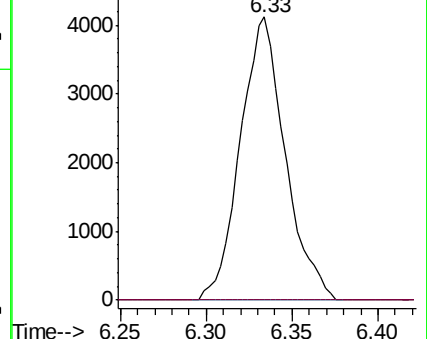
63 100

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: 0.079 ug/L

RT: 7.23 min Scan# 1885

Delta R.T. -0.04 min

Lab File: VU028123.D

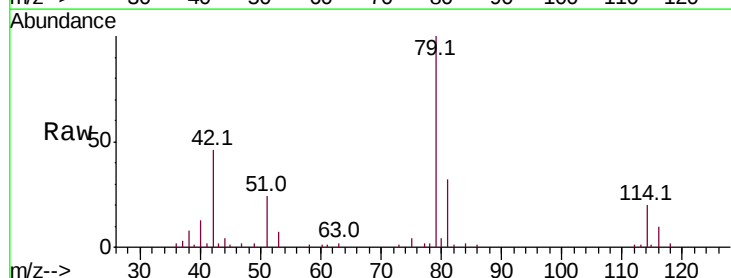
Acq: 14 Nov 2018 16:13

Tgt Ion: 75 Resp: 1592

Ion Ratio Lower Upper

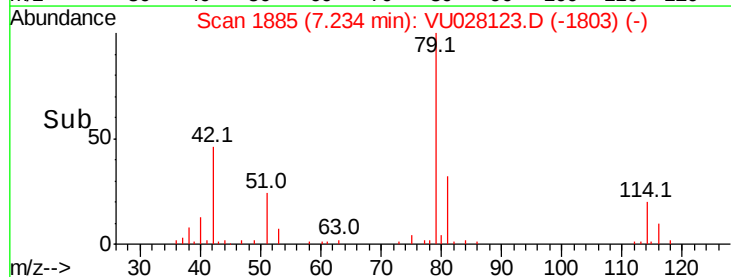
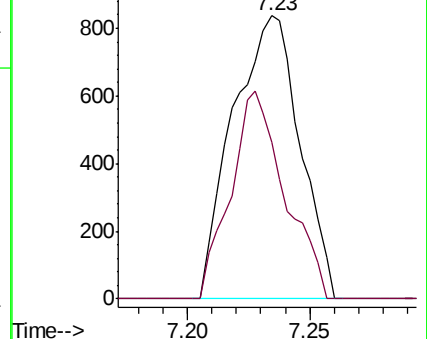
75 100

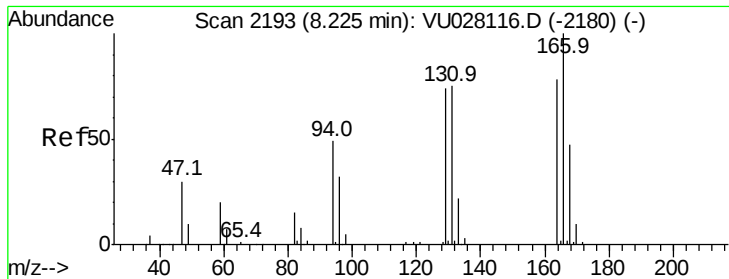
77 55.4 20.9 38.9#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

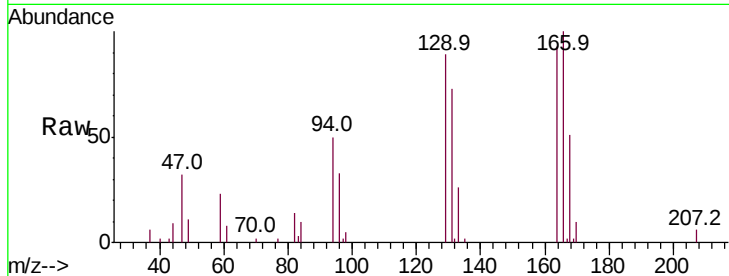




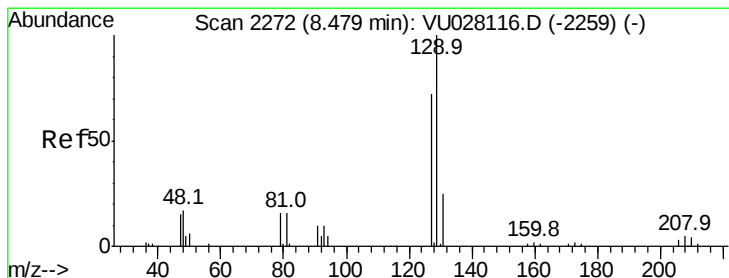
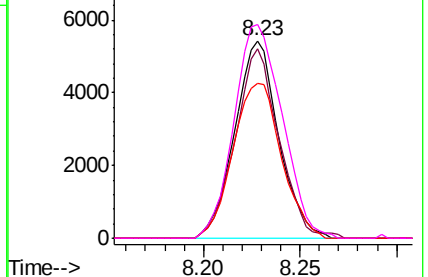
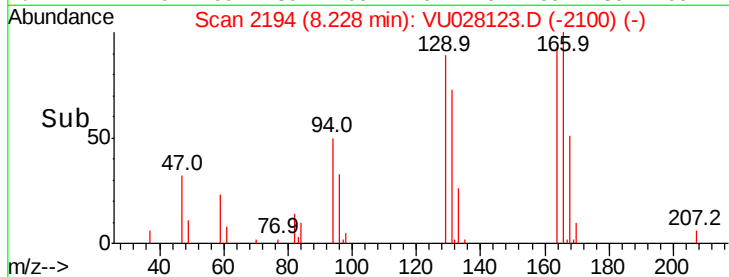
#47
Tetrachloroethene
Concen: 0.792 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028123.D
Acq: 14 Nov 2018 16:13

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 8602
Ion Ratio Lower Upper
164 100
129 95.6 69.7 129.4
131 78.4 64.0 118.8
166 108.0 86.4 160.4

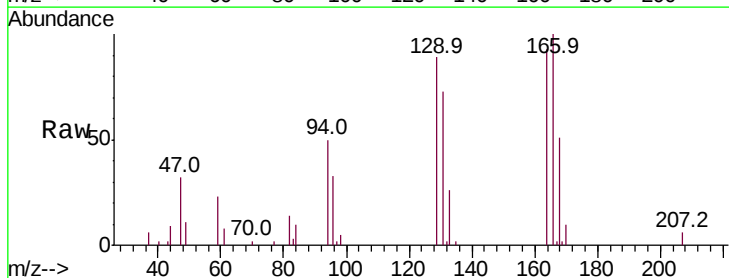


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

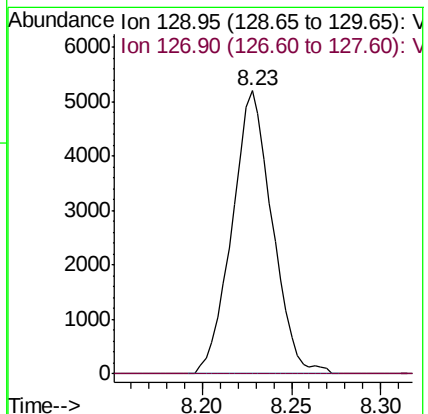
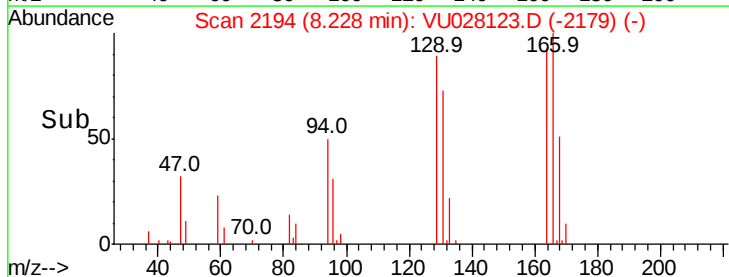


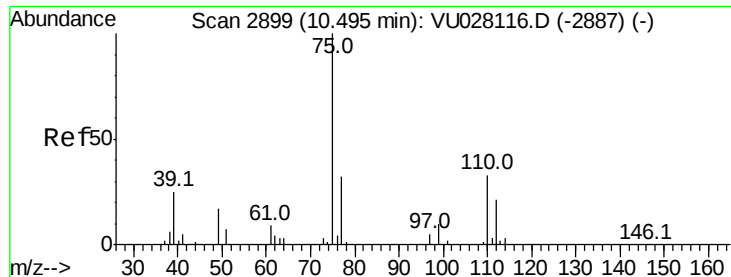
#49
Dibromochloromethane
Concen: 0.848 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028123.D
Acq: 14 Nov 2018 16:13

Tgt Ion:129 Resp: 8140
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: 1.230 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028123.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 10323

Ion Ratio Lower Upper

75 100

77 36.6 25.4 38.0

