

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028127.D
 Acq On : 14 Nov 2018 17:48
 Operator : MD/SY
 Sample : J5948-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 04:29:59 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	149554	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	139883	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	63962	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	55875	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.68	69	45575	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.28	63	78017	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	4.19	46	182931	50.82	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.64%
24) Chloroform-d	4.65	84	92952	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.31	65	52584	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.34	84	191101	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.33	67	69315	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.57	98	171785	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.85	79	22373	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.31	63	144025	49.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	49093	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	59257	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

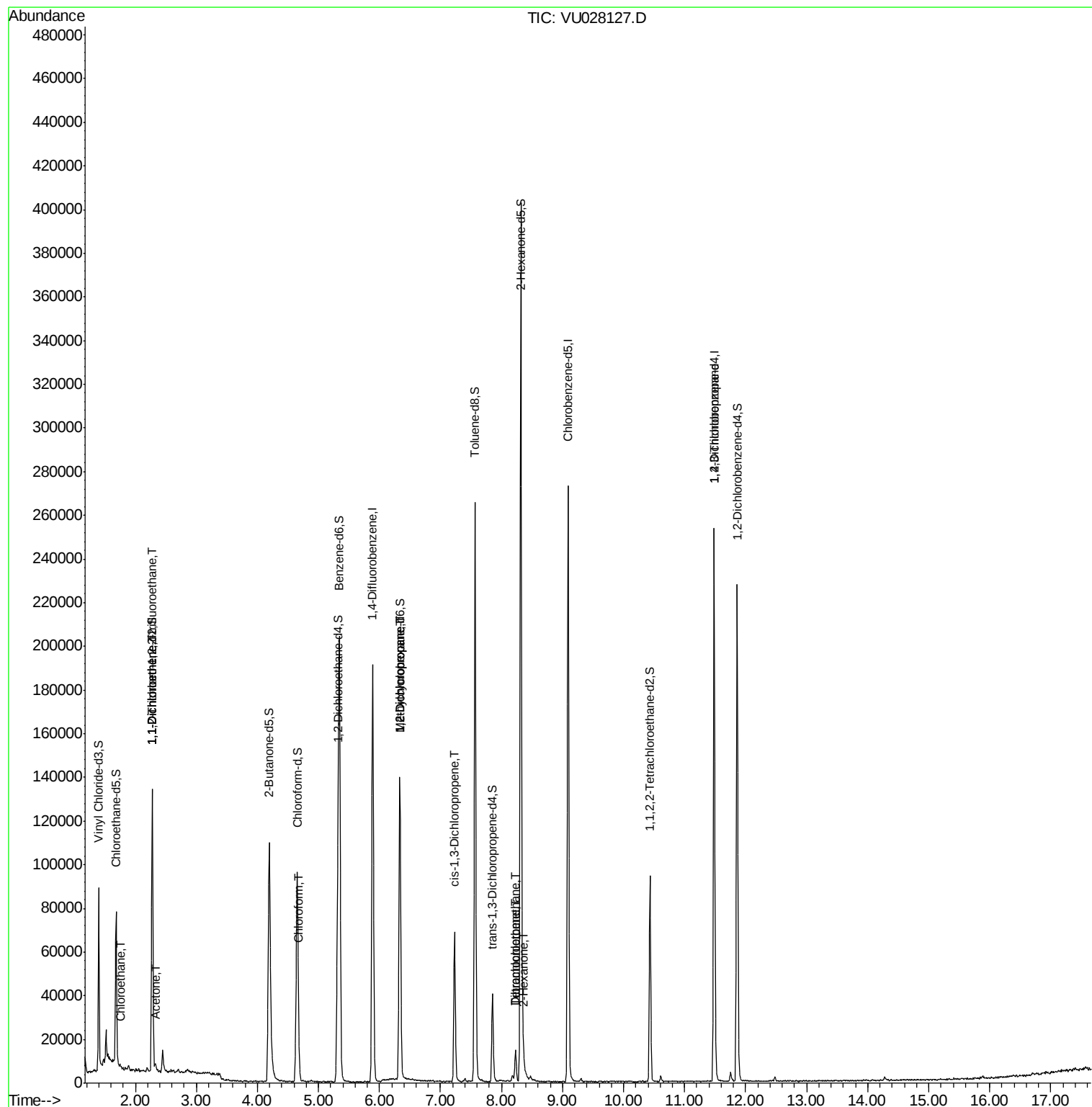
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.77	64	776	0.080	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	667	0.068	ug/L #	20
12) 1,1-Dichloroethene	2.28	96	620	0.062	ug/L #	1
13) Acetone	2.32	43	2148	0.886	ug/L	91
25) Chloroform	4.68	83	4574	0.229	ug/L	96
35) Methylcyclohexane	6.33	83	14527	0.726	ug/L #	15
37) 1,2-Dichloropropane	6.34	63	7460	0.572	ug/L #	92
39) cis-1,3-Dichloropropene	7.22	75	1329	0.075	ug/L #	63
47) Tetrachloroethene	8.23	164	2848	0.301	ug/L	88
48) 2-Hexanone	8.37	43	1692	0.265	ug/L #	87
49) Dibromochloromethane	8.23	129	2976	0.355	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	8896	1.215	ug/L	97

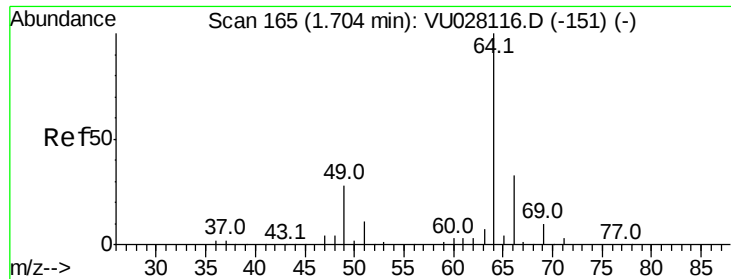
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.080 ug/L

RT: 1.77 min Scan# 184

Delta R.T. 0.06 min

Lab File: VU028127.D

Acq: 14 Nov 2018 17:48

Instrument :

MSVOA_U

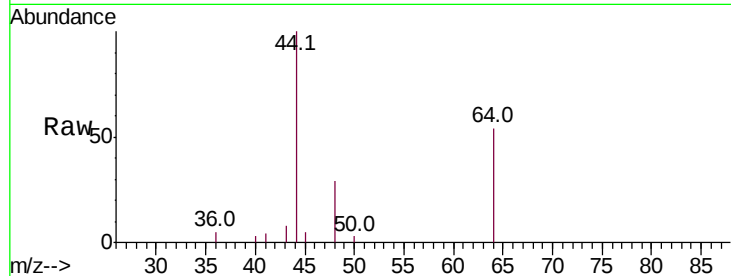
ClientSampled :

Tot Ion: 64 Resp: 776

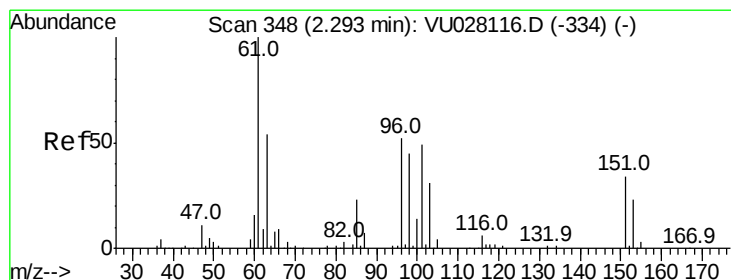
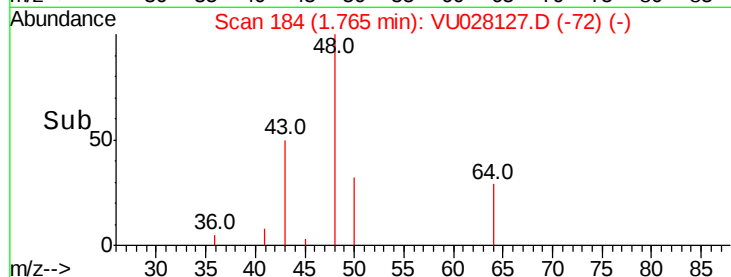
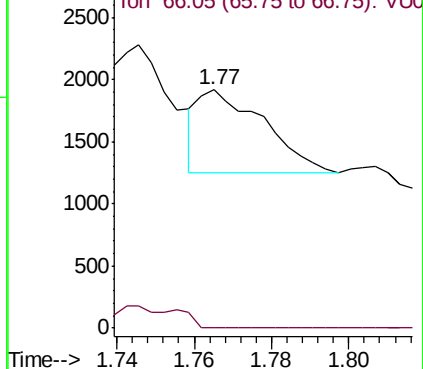
Ion Ratio Lower Upper

64 100

66 0.0 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VU028116.D (-151) (-)



#10

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

Concen: 0.068 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028127.D

Acq: 14 Nov 2018 17:48

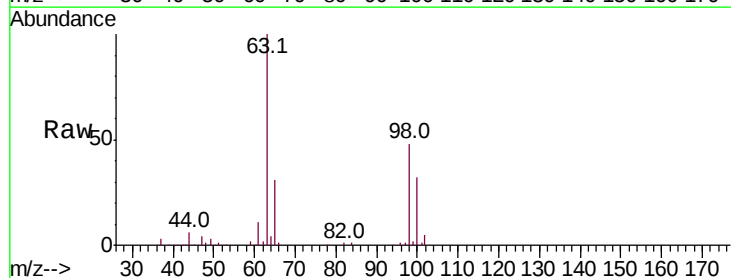
Tgt Ion: 101 Resp: 667

Ion Ratio Lower Upper

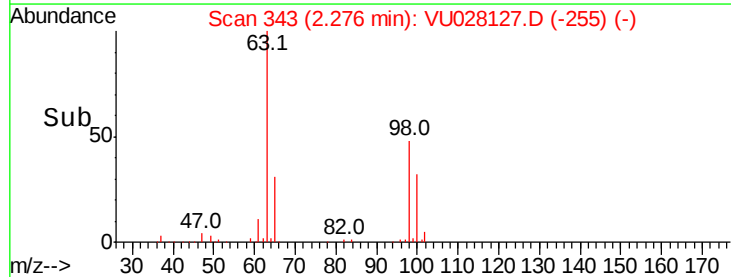
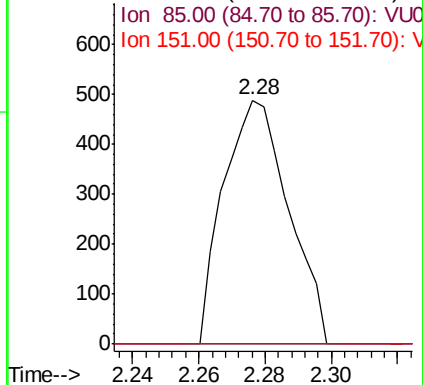
101 100

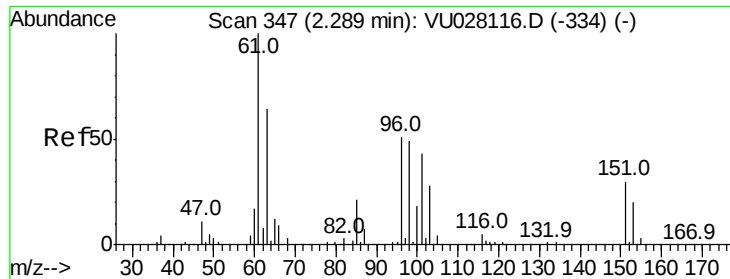
85 0.0 37.6 56.4#

151 0.0 58.2 87.2#



Abundance Ion 101.00 (100.70 to 101.70): VU028116.D (-334) (-)





#12

1,1-Dichloroethene

Concen: 0.062 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU028127.D

Acq: 14 Nov 2018 17:48

Instrument :

MSVOA_U

ClientSampled :

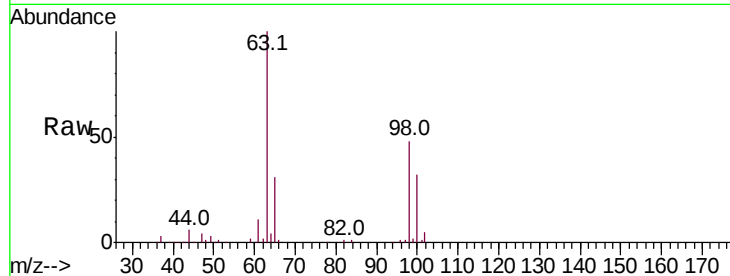
Tot Ion: 96 Resp: 620

Ion Ratio Lower Upper

96 100

61 1365.8 134.8 250.3#

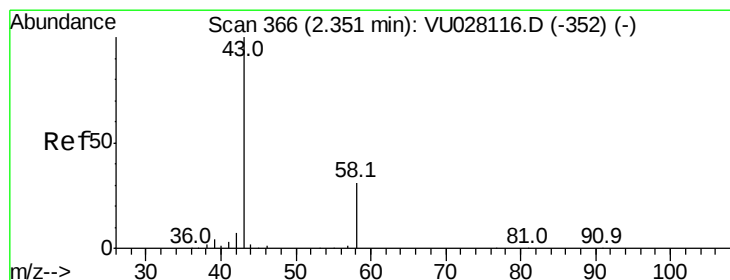
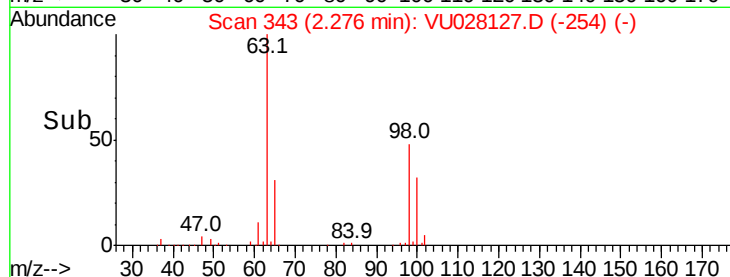
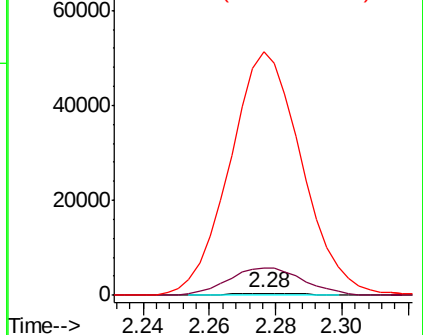
63 11925.6 100.1 185.9#



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: 0.886 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.03 min

Lab File: VU028127.D

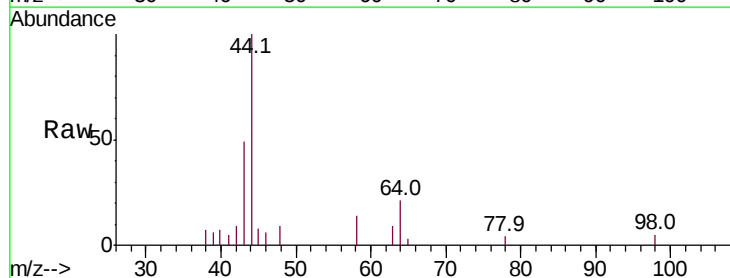
Acq: 14 Nov 2018 17:48

Tgt Ion: 43 Resp: 2148

Ion Ratio Lower Upper

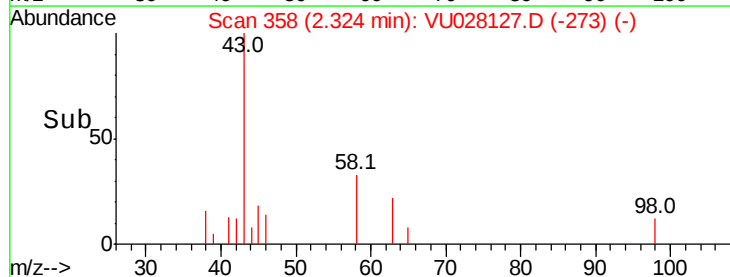
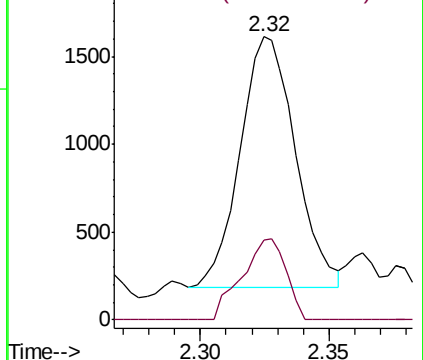
43 100

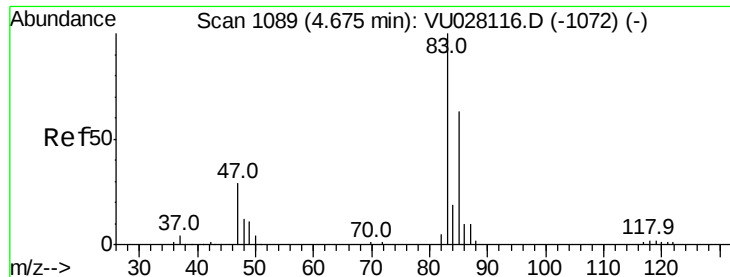
58 25.7 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

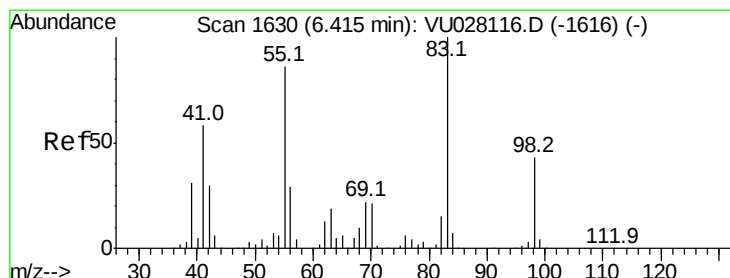
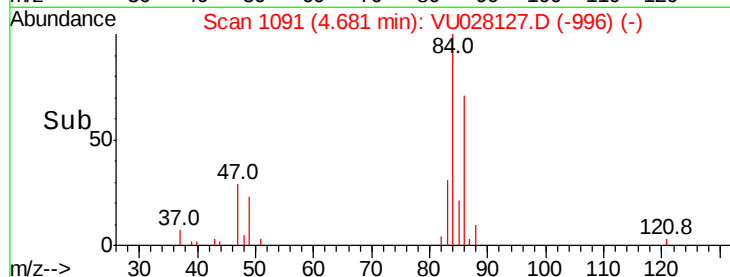
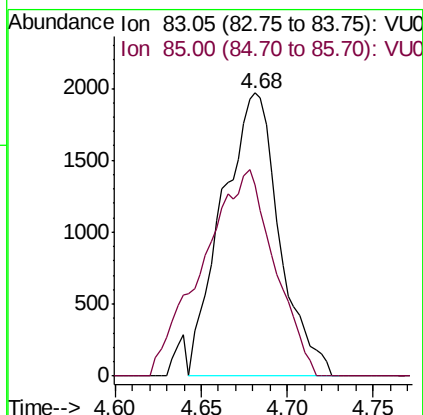
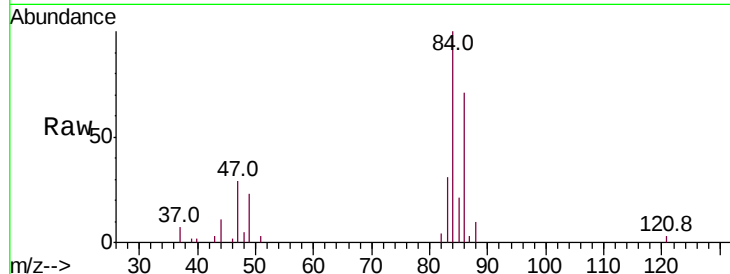




#25
Chloroform
Concen: 0.229 ug/L
RT: 4.68 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VU028127.D
Acq: 14 Nov 2018 17:48

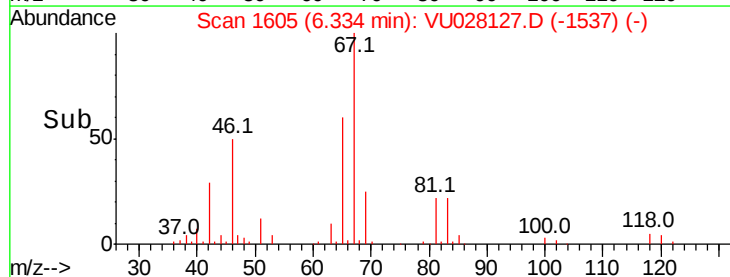
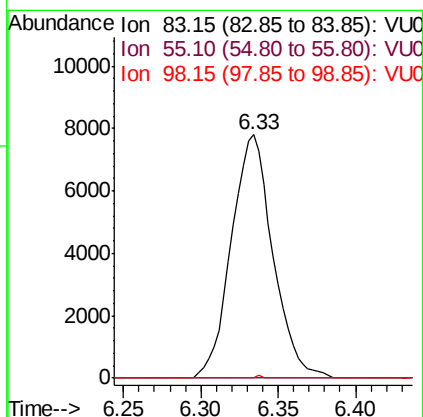
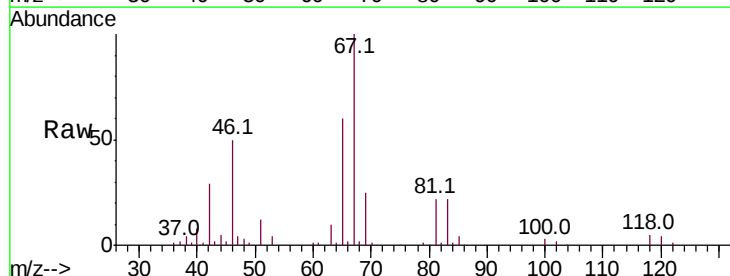
Instrument :
MSVOA_U
ClientSampleId :

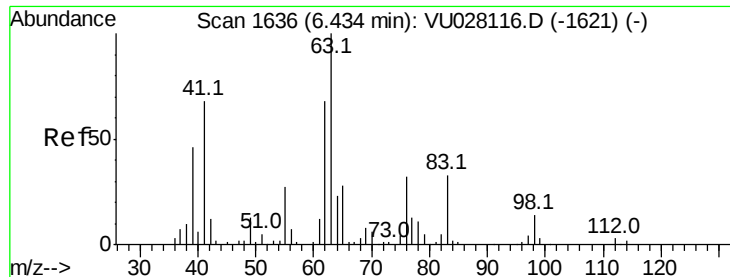
Tot Ion: 83 Resp: 4574
Ion Ratio Lower Upper
83 100
85 67.6 45.0 83.6



#35
Methylcyclohexane
Concen: 0.726 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU028127.D
Acq: 14 Nov 2018 17:48

Tgt Ion: 83 Resp: 14527
Ion Ratio Lower Upper
83 100
55 0.0 69.0 103.4#
98 0.1 33.3 49.9#





#37

1,2-Dichloropropane

Concen: 0.572 ug/L

RT: 6.34 min Scan# 1606

Delta R.T. -0.10 min

Lab File: VU028127.D

Acq: 14 Nov 2018 17:48

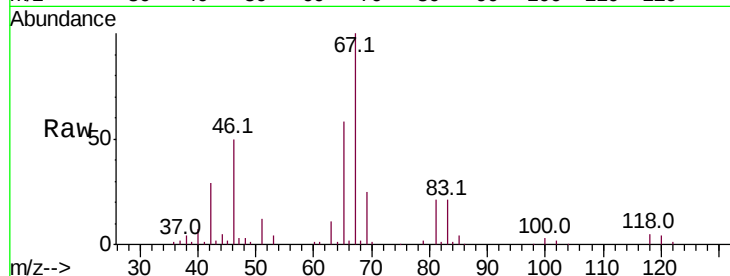
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 7460

Ion Ratio Lower Upper

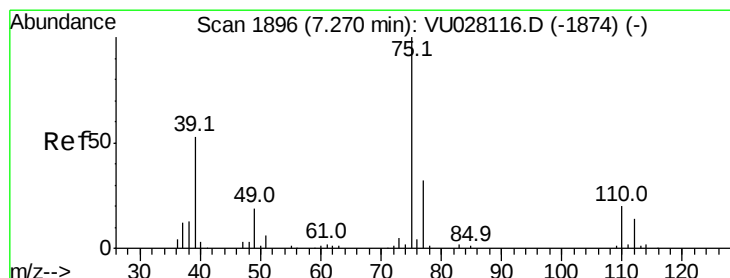
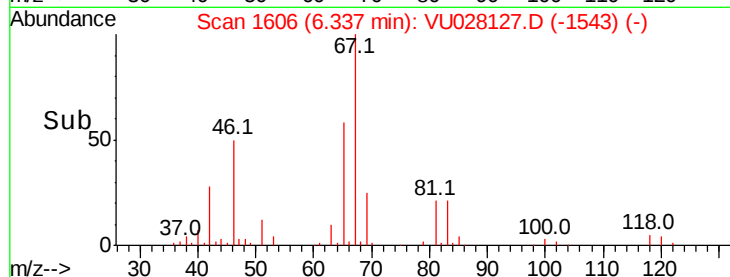
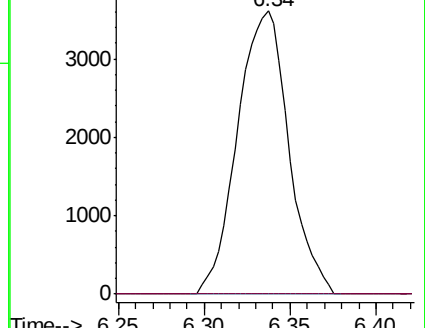
63 100

112 0.0 2.2 3.4#



Abundance Ion 63.10 (62.80 to 63.80): VU028116.D (-1621) (-)

Ion 112.10 (111.80 to 112.80): VU028116.D (-1621) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 7.22 min Scan# 1882

Delta R.T. -0.05 min

Lab File: VU028127.D

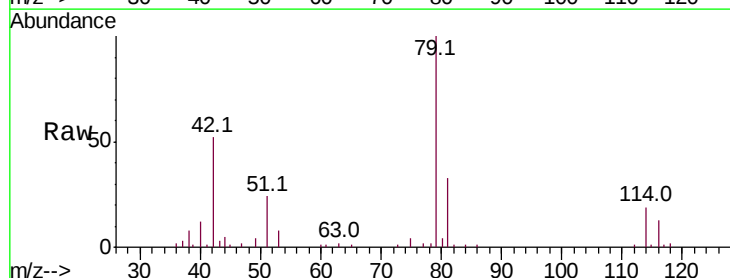
Acq: 14 Nov 2018 17:48

Tgt Ion: 75 Resp: 1329

Ion Ratio Lower Upper

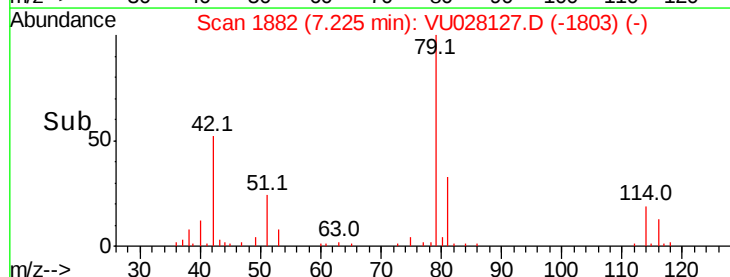
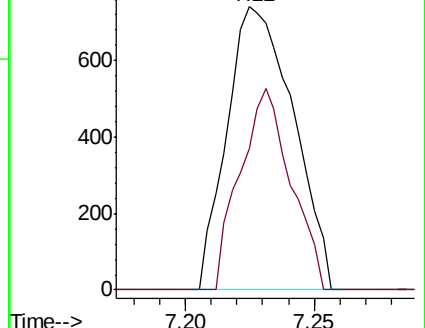
75 100

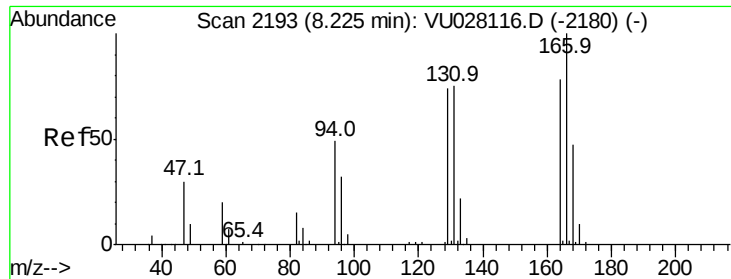
77 50.1 20.9 38.9#



Abundance Ion 75.05 (74.75 to 75.75): VU028116.D (-1874) (-)

Ion 77.05 (76.75 to 77.75): VU028116.D (-1874) (-)

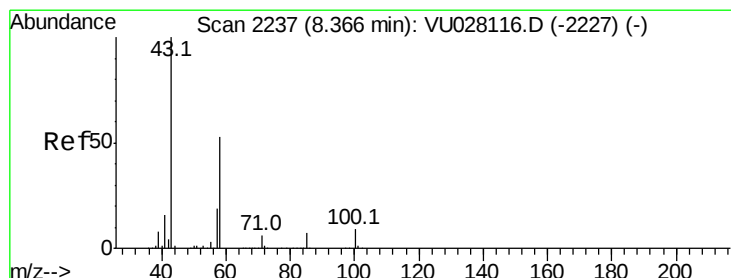
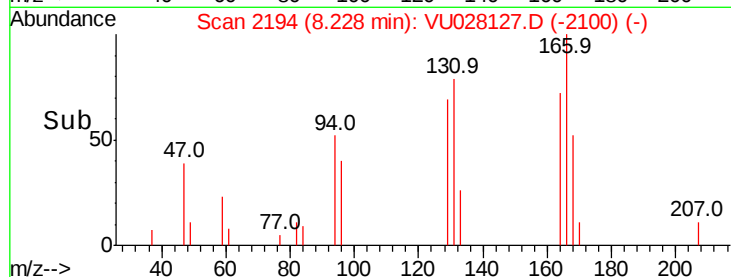
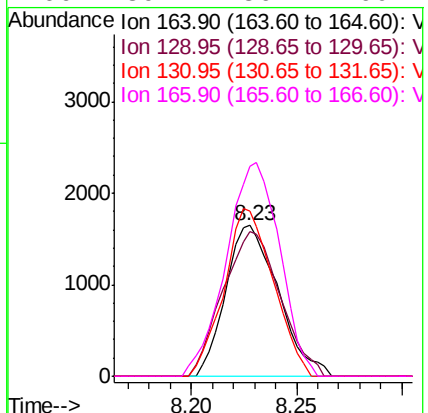
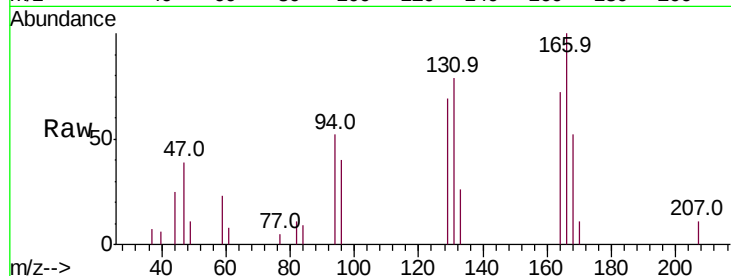




#47
Tetrachloroethene
Concen: 0.301 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028127.D
Acq: 14 Nov 2018 17:48

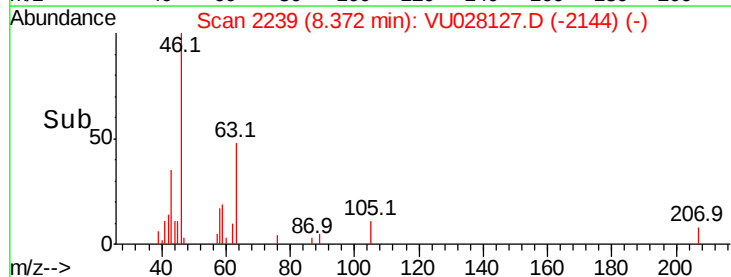
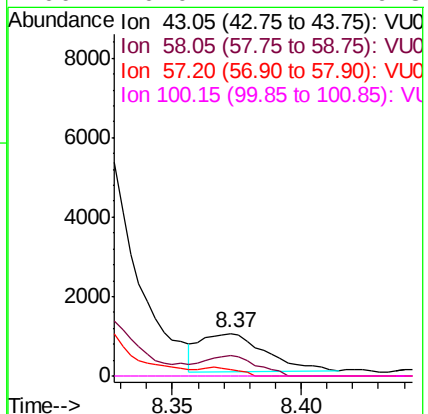
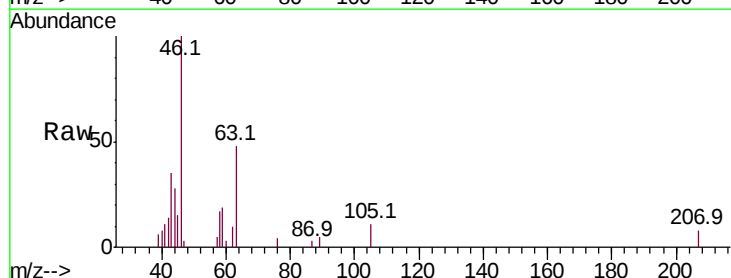
Instrument :
MSVOA_U
ClientSampled :

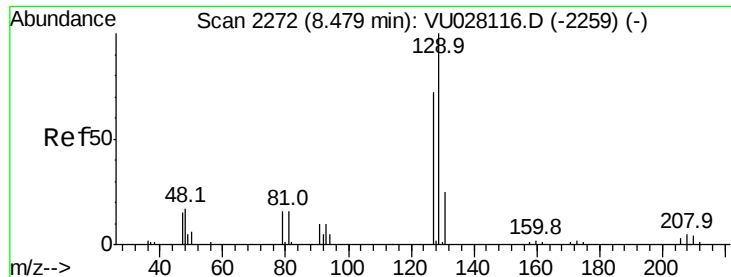
Tot Ion:164 Resp: 2848
Ion Ratio Lower Upper
164 100
129 96.1 69.7 129.4
131 110.0 64.0 118.8
166 139.7 86.4 160.4



#48
2-Hexanone
Concen: 0.265 ug/L
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU028127.D
Acq: 14 Nov 2018 17:48

Tgt Ion: 43 Resp: 1692
Ion Ratio Lower Upper
43 100
58 43.2 41.7 62.5
57 13.4 14.0 21.0#
100 0.0 7.2 10.8#

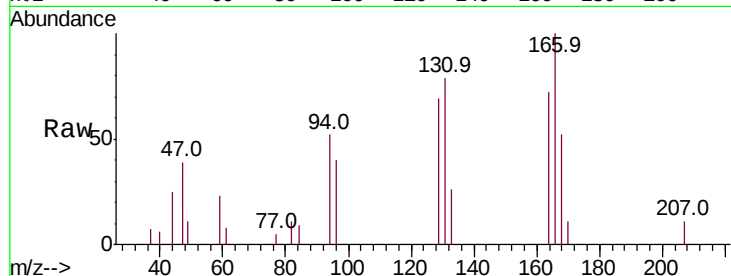




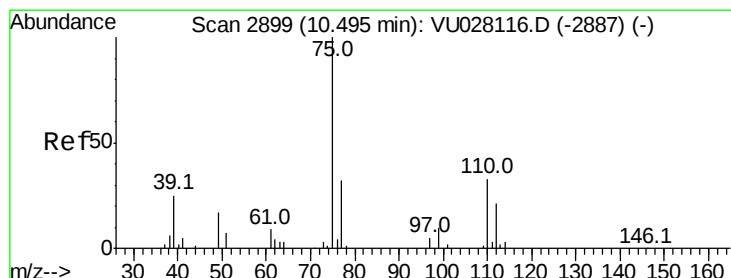
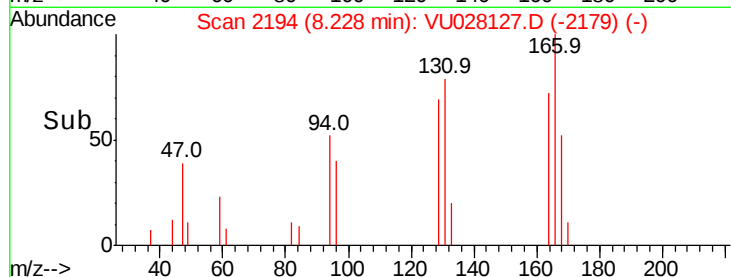
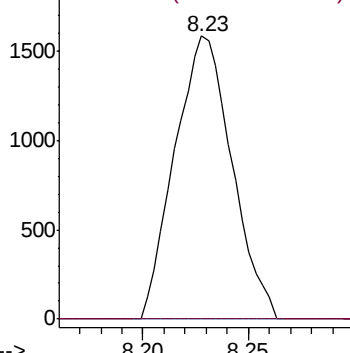
#49
 Dibromochloromethane
 Concen: 0.355 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.25 min
 Lab File: VU028127.D
 Acq: 14 Nov 2018 17:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:129 Resp: 2976
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.1 100.5#

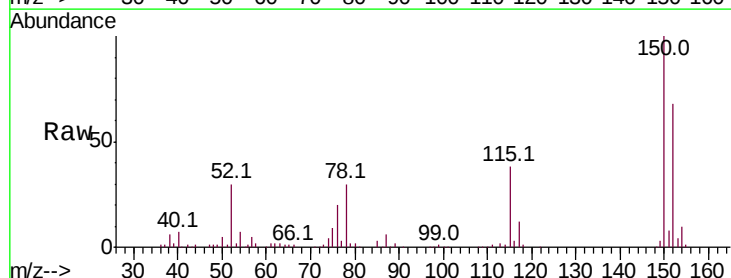


Abundance Ion 128.95 (128.65 to 129.65): V
 Ion 126.90 (126.60 to 127.60): V



#59
 1,2,3-Trichloropropane
 Concen: 1.215 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU028127.D
 Acq: 14 Nov 2018 17:48

Tgt Ion: 75 Resp: 8896
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

