

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111618\
 Data File : VU028203.D
 Acq On : 16 Nov 2018 22:56
 Operator : MD/SY
 Sample : J5960-05MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 00:04:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 16 23:59:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	155788	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	149149	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	67392	5.00	ug/L	0.00

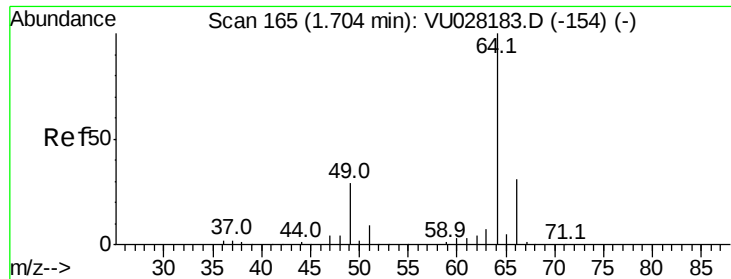
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	43651	3.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.60%
7) Chloroethane-d5	1.68	69	40804	3.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.40%
11) 1,1-Dichloroethene-d2	2.28	63	93754	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	4.20	46	200962	53.60	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.20%
24) Chloroform-d	4.65	84	91062	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.31	65	55111	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.34	84	176505	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
36) 1,2-Dichloropropane-d6	6.33	67	68251	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.20%
41) Toluene-d8	7.57	98	142491	3.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.40%
43) trans-1,3-Dichloropropene-	7.85	79	18799	3.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.80%
46) 2-Hexanone-d5	8.31	63	144034	46.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	51527	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	51961	4.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.65	64	1722	0.171	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	658	0.064	ug/L #	21
12) 1,1-Dichloroethene	2.29	96	45632	4.405	ug/L	90
13) Acetone	2.33	43	3000	1.188	ug/L	99
27) 1,2-Dichloroethane	5.39	62	2263	0.166	ug/L #	76
33) Benzene	5.39	78	237778	4.732	ug/L	100
34) Trichloroethene	6.19	95	55207	4.446	ug/L	94
35) Methylcyclohexane	6.33	83	13535	0.634	ug/L #	16
37) 1,2-Dichloropropane	6.33	63	6792	0.489	ug/L #	92
39) cis-1,3-Dichloropropene	7.22	75	1284	0.068	ug/L	88
42) Toluene	7.64	91	233769	4.512	ug/L	98
48) 2-Hexanone	8.36	43	3387	0.497	ug/L #	53
51) Chlorobenzene	9.12	112	136975	4.522	ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	9964	1.277	ug/L	94

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



#8

Chloroethane

Concen: 0.171 ug/L

RT: 1.65 min Scan# 149

Delta R.T. -0.05 min

Lab File: VU028203.D

Acq: 16 Nov 2018 22:56

Instrument :

MSVOA_U

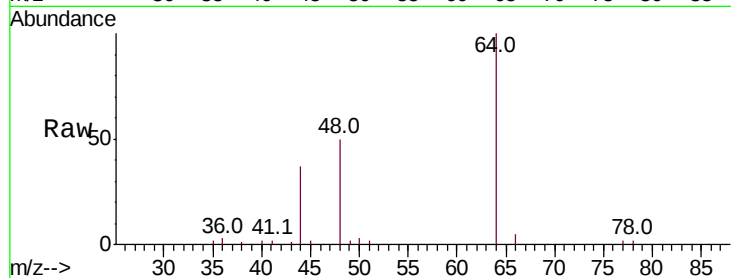
ClientSampled :

Tot Ion: 64 Resp: 1722

Ion Ratio Lower Upper

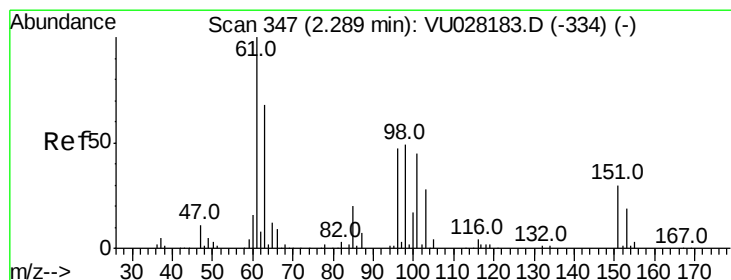
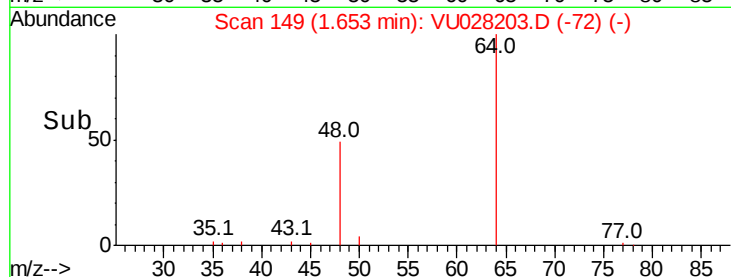
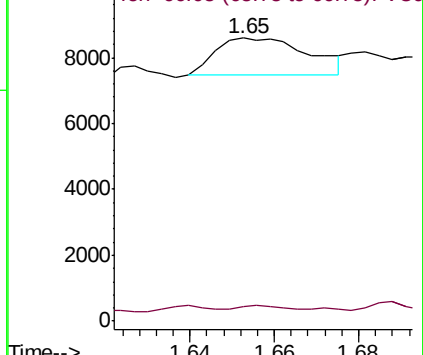
64 100

66 5.4 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: 0.064 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU028203.D

Acq: 16 Nov 2018 22:56

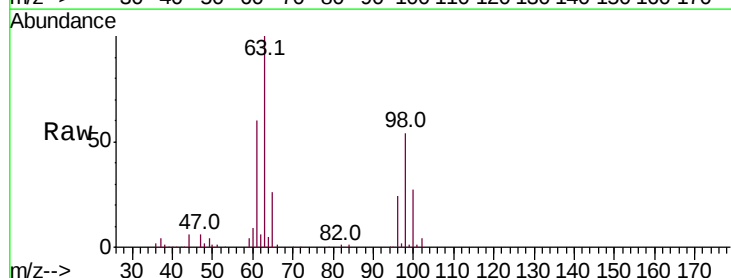
Tgt Ion: 101 Resp: 658

Ion Ratio Lower Upper

101 100

85 3.0 37.6 56.4#

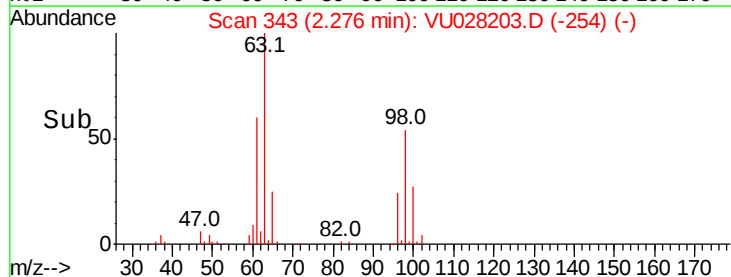
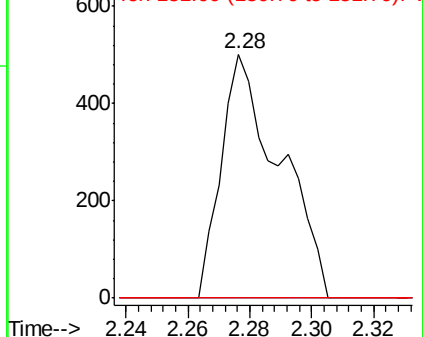
151 0.0 58.2 87.2#

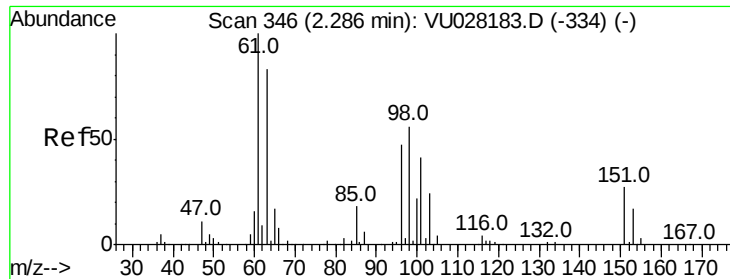


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 4.405 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028203.D

Acq: 16 Nov 2018 22:56

Instrument :
MSVOA_U
ClientSampled :

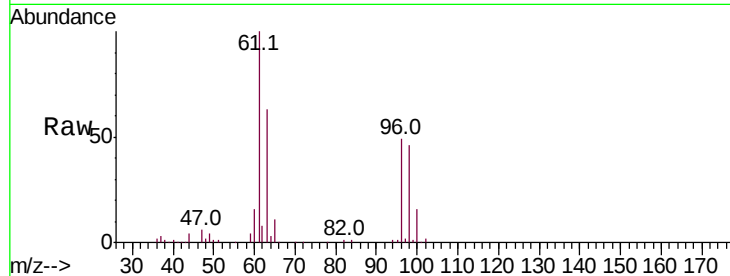
Tot Ion: 96 Resp: 45632

Ion Ratio Lower Upper

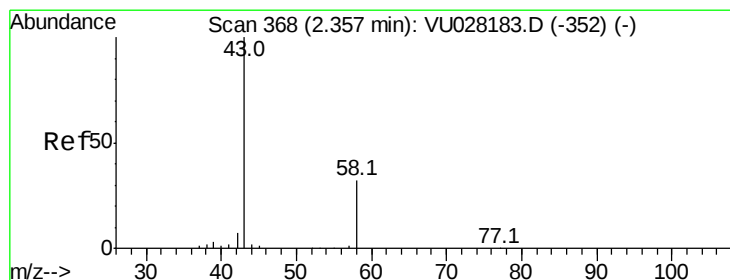
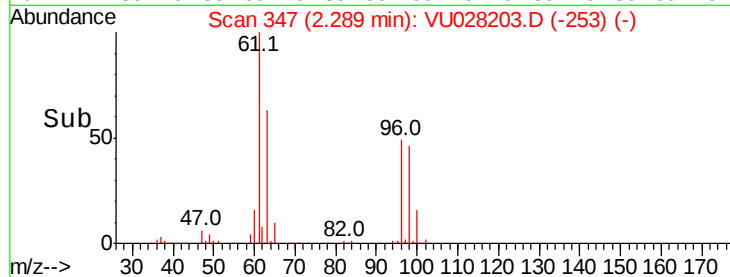
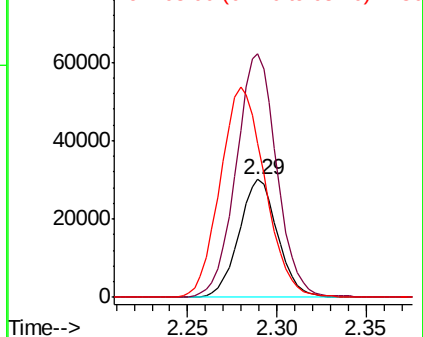
96 100

61 206.2 134.8 250.3

63 130.6 100.1 185.9



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: 1.188 ug/L

RT: 2.33 min Scan# 361

Delta R.T. -0.02 min

Lab File: VU028203.D

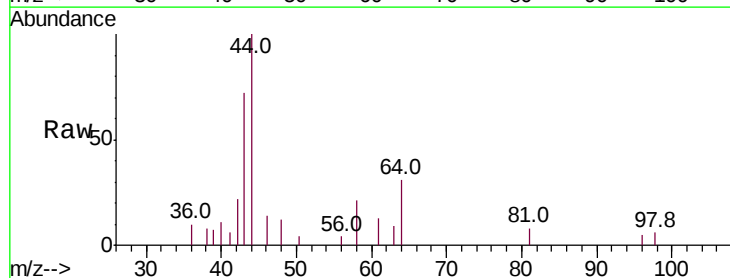
Acq: 16 Nov 2018 22:56

Tgt Ion: 43 Resp: 3000

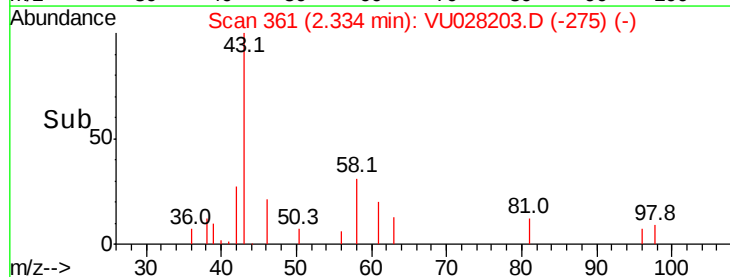
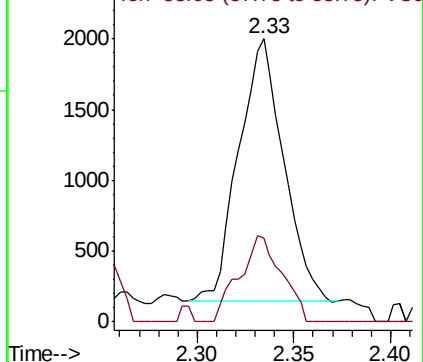
Ion Ratio Lower Upper

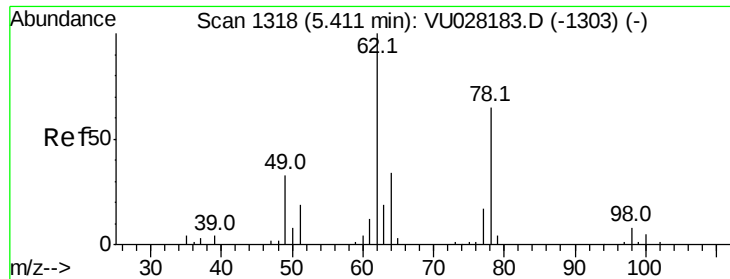
43 100

58 31.2 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0

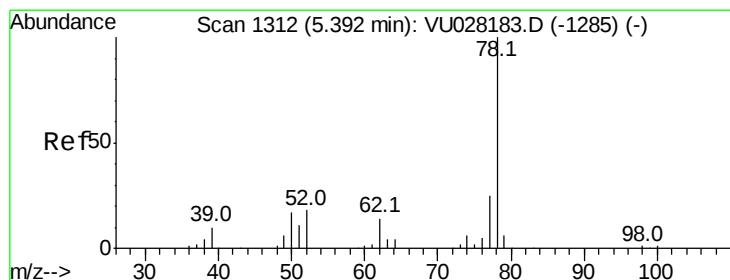
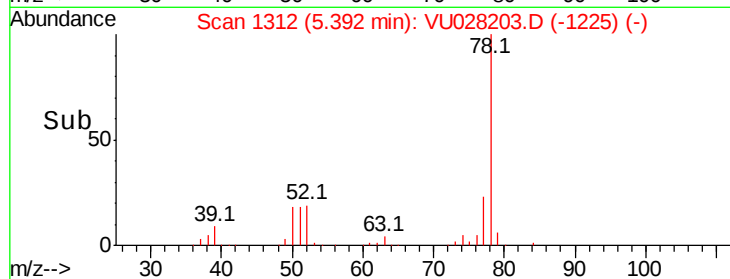
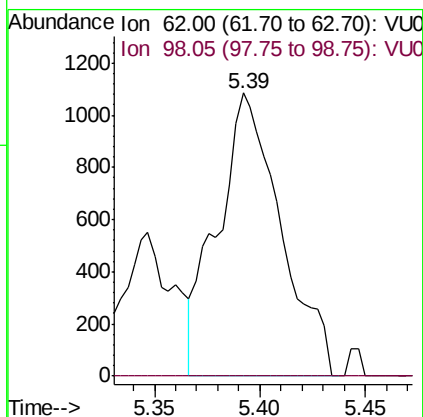
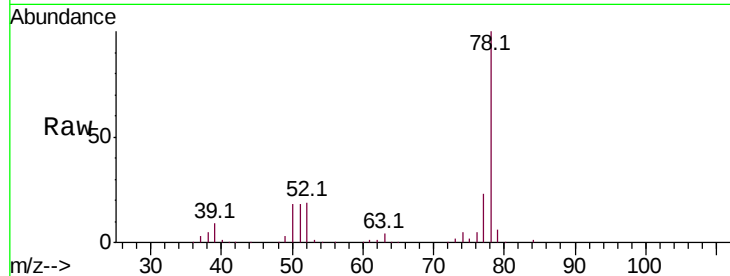




#27
 1,2-Dichloroethane
 Concen: 0.166 ug/L
 RT: 5.39 min Scan# 1312
 Delta R.T. -0.02 min
 Lab File: VU028203.D
 Acq: 16 Nov 2018 22:56

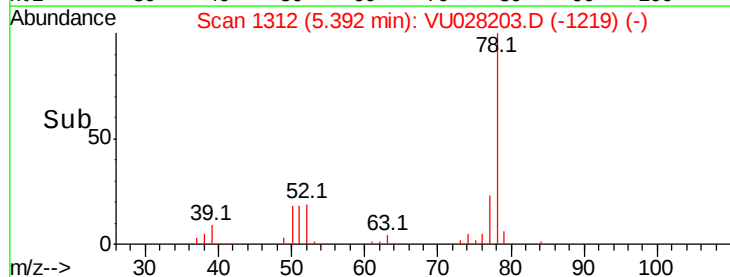
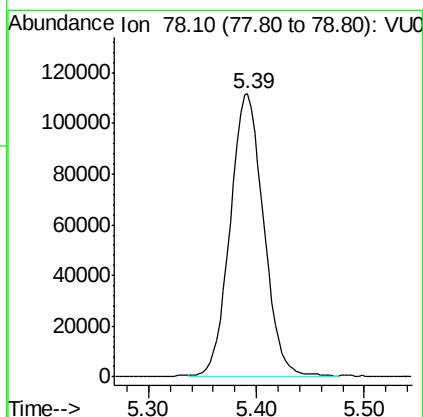
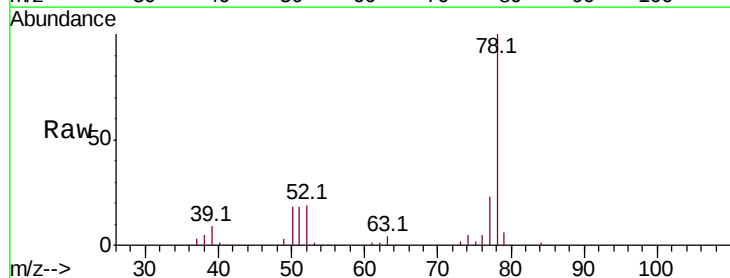
Instrument :
 MSVOA_U
 ClientSampleId :

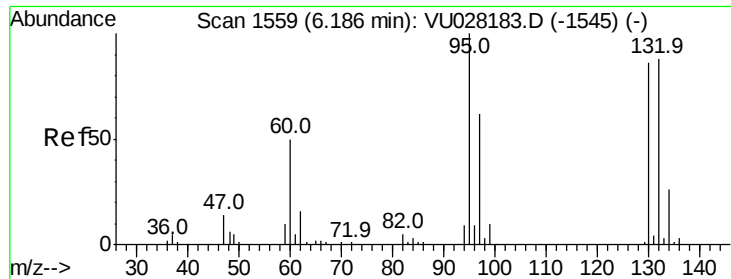
Tot Ion: 62 Resp: 2263
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.0 10.4#



#33
 Benzene
 Concen: 4.732 ug/L
 RT: 5.39 min Scan# 1312
 Delta R.T. -0.00 min
 Lab File: VU028203.D
 Acq: 16 Nov 2018 22:56

Tgt Ion: 78 Resp: 237778





#34

Trichloroethene

Concen: 4.446 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028203.D

Acq: 16 Nov 2018 22:56

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 95 Resp: 55207

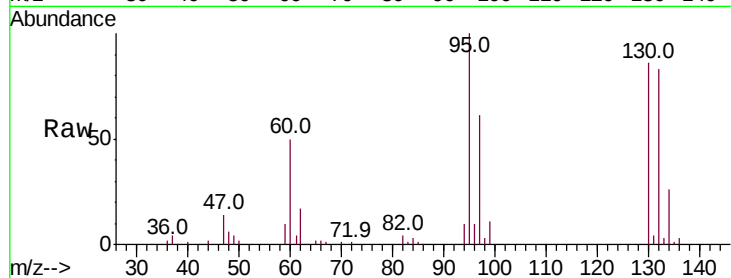
Ion Ratio Lower Upper

95 100

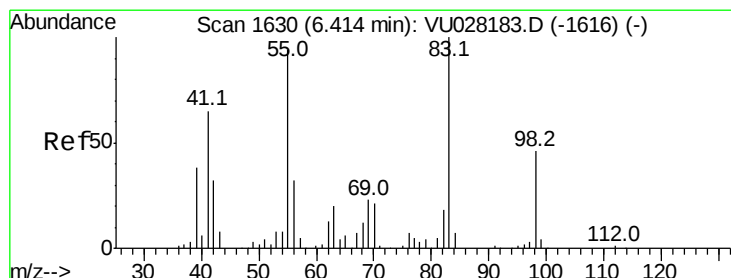
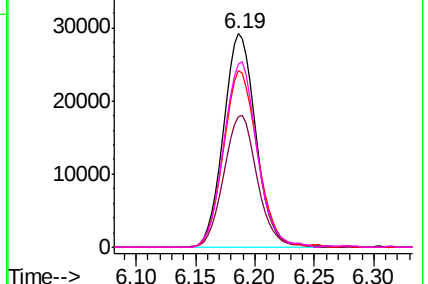
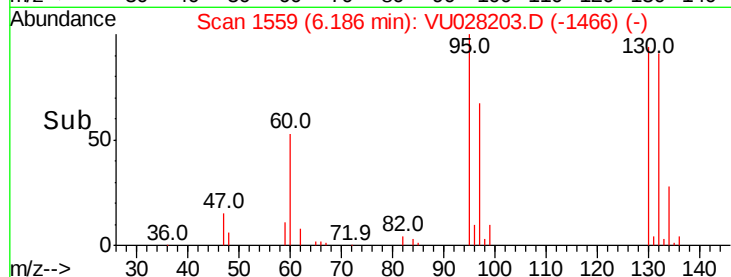
97 61.0 45.3 84.1

132 82.8 63.0 117.0

130 85.9 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: 0.634 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028203.D

Acq: 16 Nov 2018 22:56

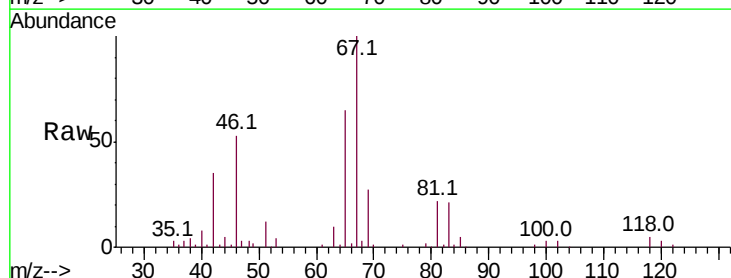
Tgt Ion: 83 Resp: 13535

Ion Ratio Lower Upper

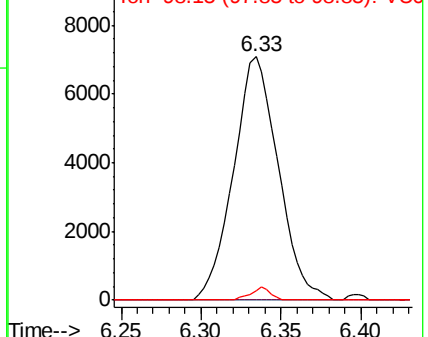
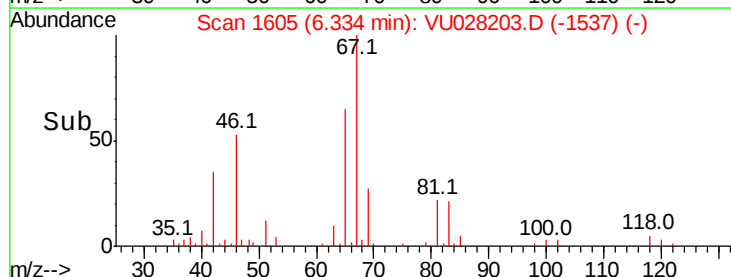
83 100

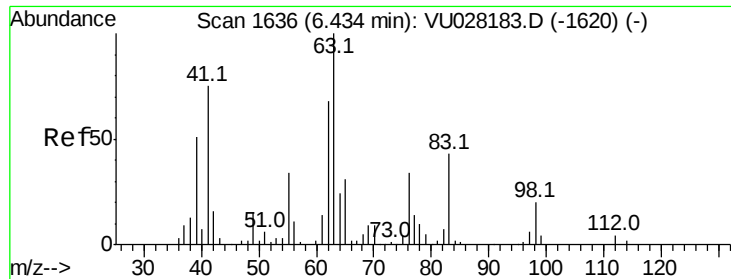
55 0.0 69.0 103.4#

98 2.3 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

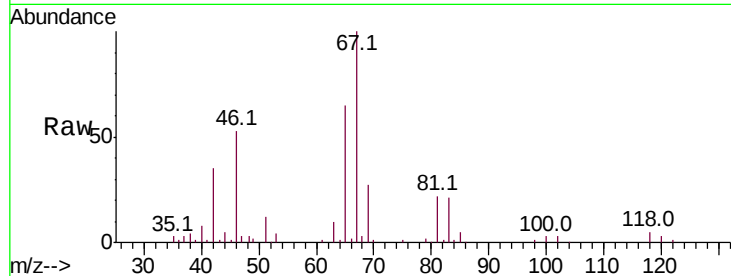




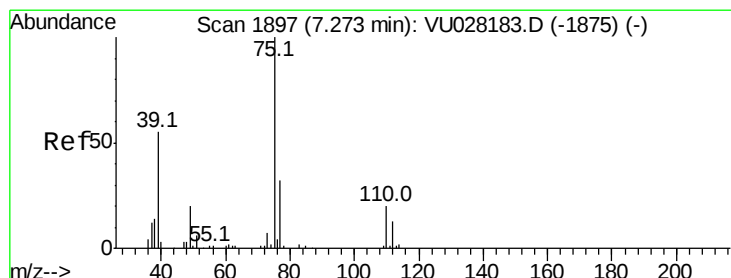
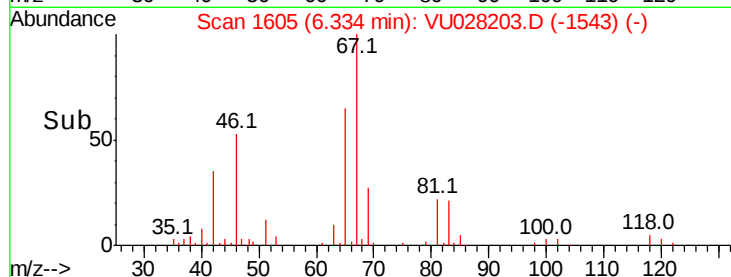
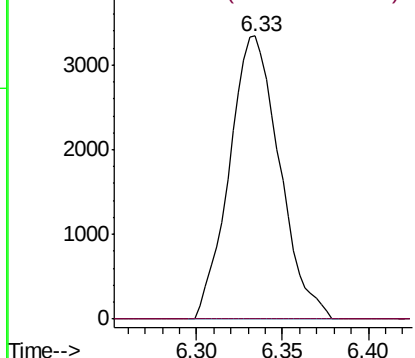
#37
 1,2-Dichloropropane
 Concen: 0.489 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU028203.D
 Acq: 16 Nov 2018 22:56

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 6792
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.2 3.4#

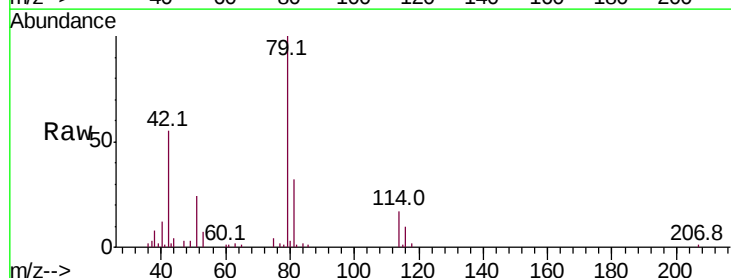


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 112.10 (111.80 to 112.80): V

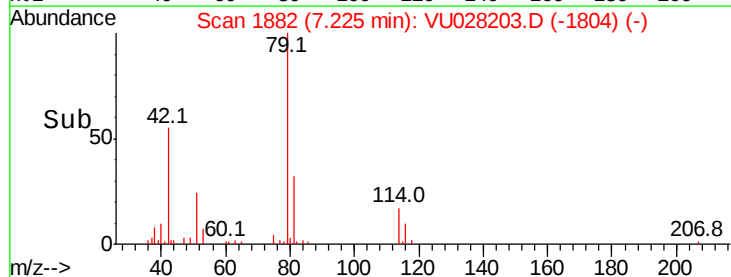
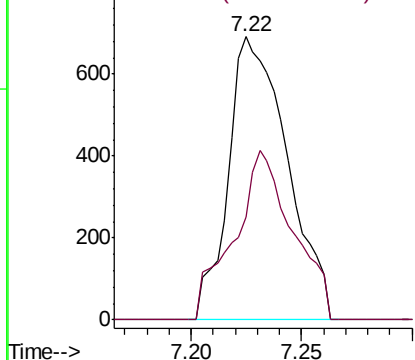


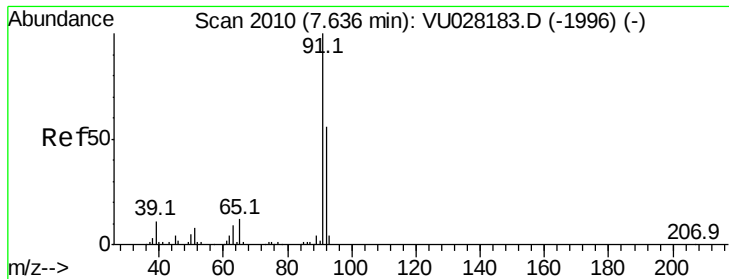
#39
 cis-1,3-Dichloropropene
 Concen: 0.068 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.05 min
 Lab File: VU028203.D
 Acq: 16 Nov 2018 22:56

Tgt Ion: 75 Resp: 1284
 Ion Ratio Lower Upper
 75 100
 77 36.2 20.9 38.9



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0





#42

Toluene

Concen: 4.512 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028203.D

Acq: 16 Nov 2018 22:56

Instrument :

MSVOA_U

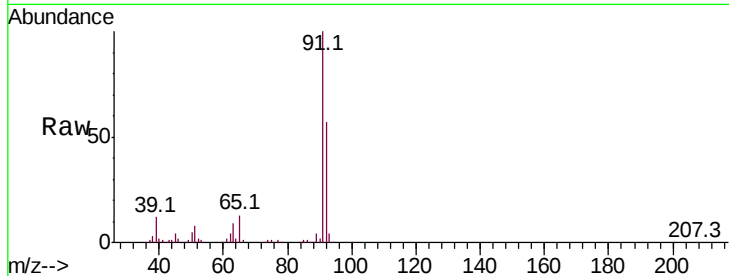
ClientSampleId :

Tot Ion: 91 Resp: 233769

Ion Ratio Lower Upper

91 100

92 56.8 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.64

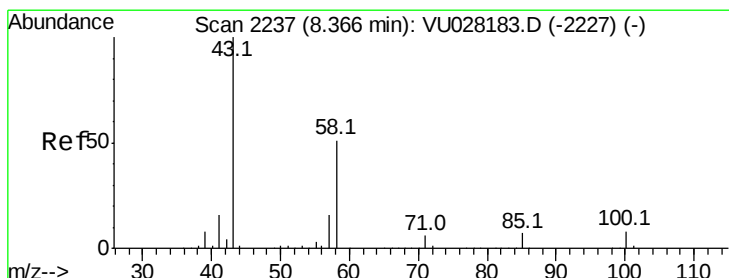
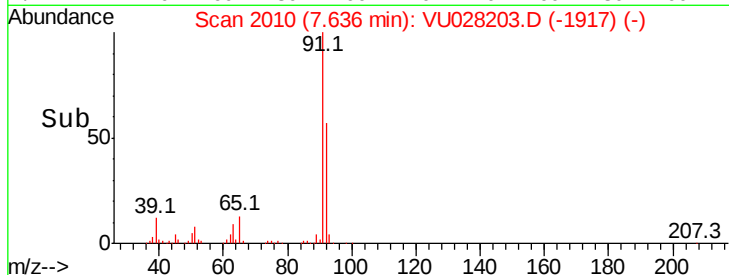
150000

100000

50000

0

Time-->



#48

2-Hexanone

Concen: 0.497 ug/L

RT: 8.36 min Scan# 2236

Delta R.T. -0.00 min

Lab File: VU028203.D

Acq: 16 Nov 2018 22:56

Tgt Ion: 43 Resp: 3387

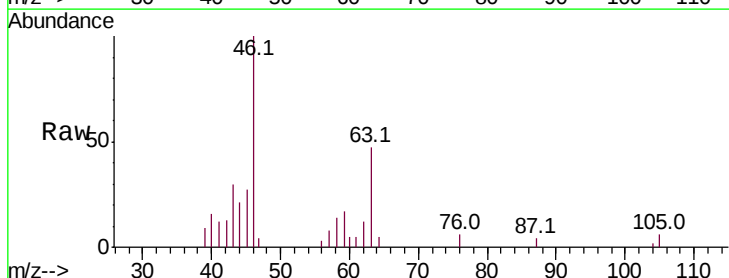
Ion Ratio Lower Upper

43 100

58 5.2 41.7 62.5#

57 17.1 14.0 21.0

100 0.6 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

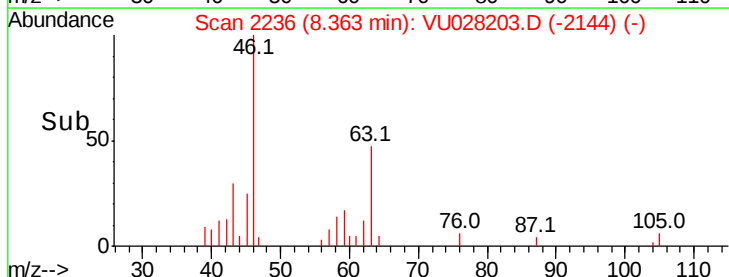
15000

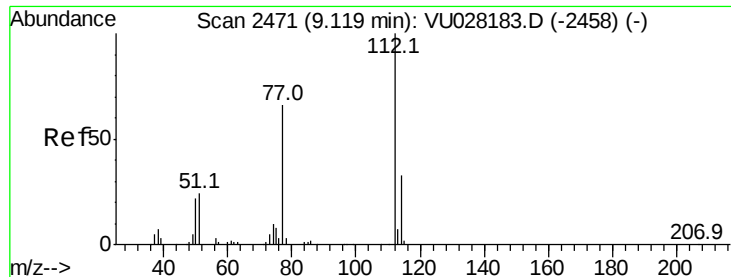
10000

5000

0

Time-->





#51

Chlorobenzene

Concen: 4.522 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028203.D

Acq: 16 Nov 2018 22:56

Instrument :
MSVOA_U
ClientSampled :

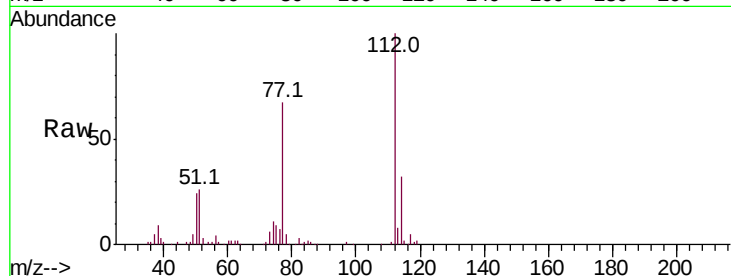
Tot Ion:112 Resp: 136975

Ion Ratio Lower Upper

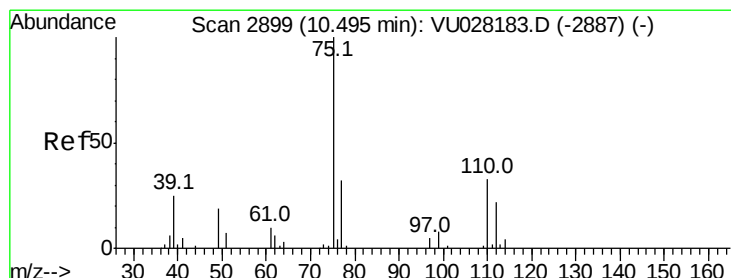
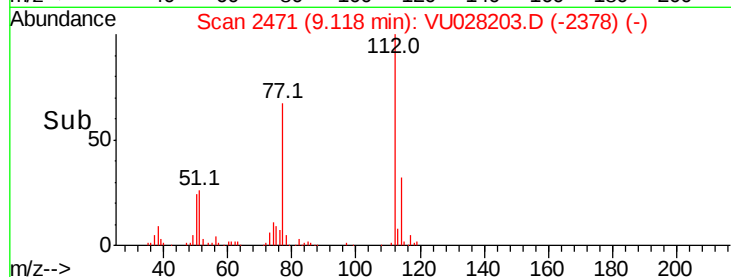
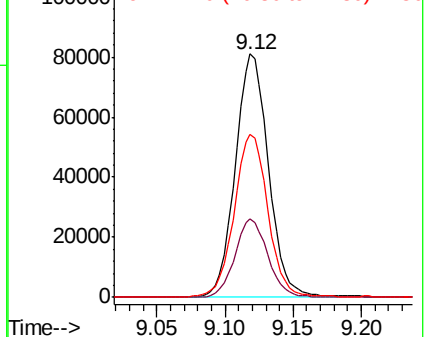
112 100

114 32.2 22.5 41.7

77 67.2 51.3 76.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#59

1,2,3-Trichloropropane

Concen: 1.277 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028203.D

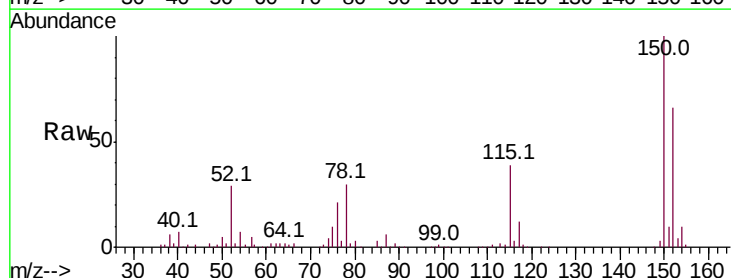
Acq: 16 Nov 2018 22:56

Tgt Ion: 75 Resp: 9964

Ion Ratio Lower Upper

75 100

77 34.8 25.4 38.0



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

