

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV113018\
 Data File : VV008816.D
 Acq On : 30 Nov 2018 16:31
 Operator : SY/MD
 Sample : J6155-07MS
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 01 03:54:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 01 03:50:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	141526	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	130808	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58287	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43003	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.59	69	30385	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.14	63	82010	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.40%
20) 2-Butanone-d5	3.96	46	114746	52.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.64%
24) Chloroform-d	4.41	84	95937	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.09	65	48921	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.10	84	201657	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.12	67	59132	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.36	98	178142	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	7.67	79	19379	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.14	63	83438	49.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.64%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37335	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	64241	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

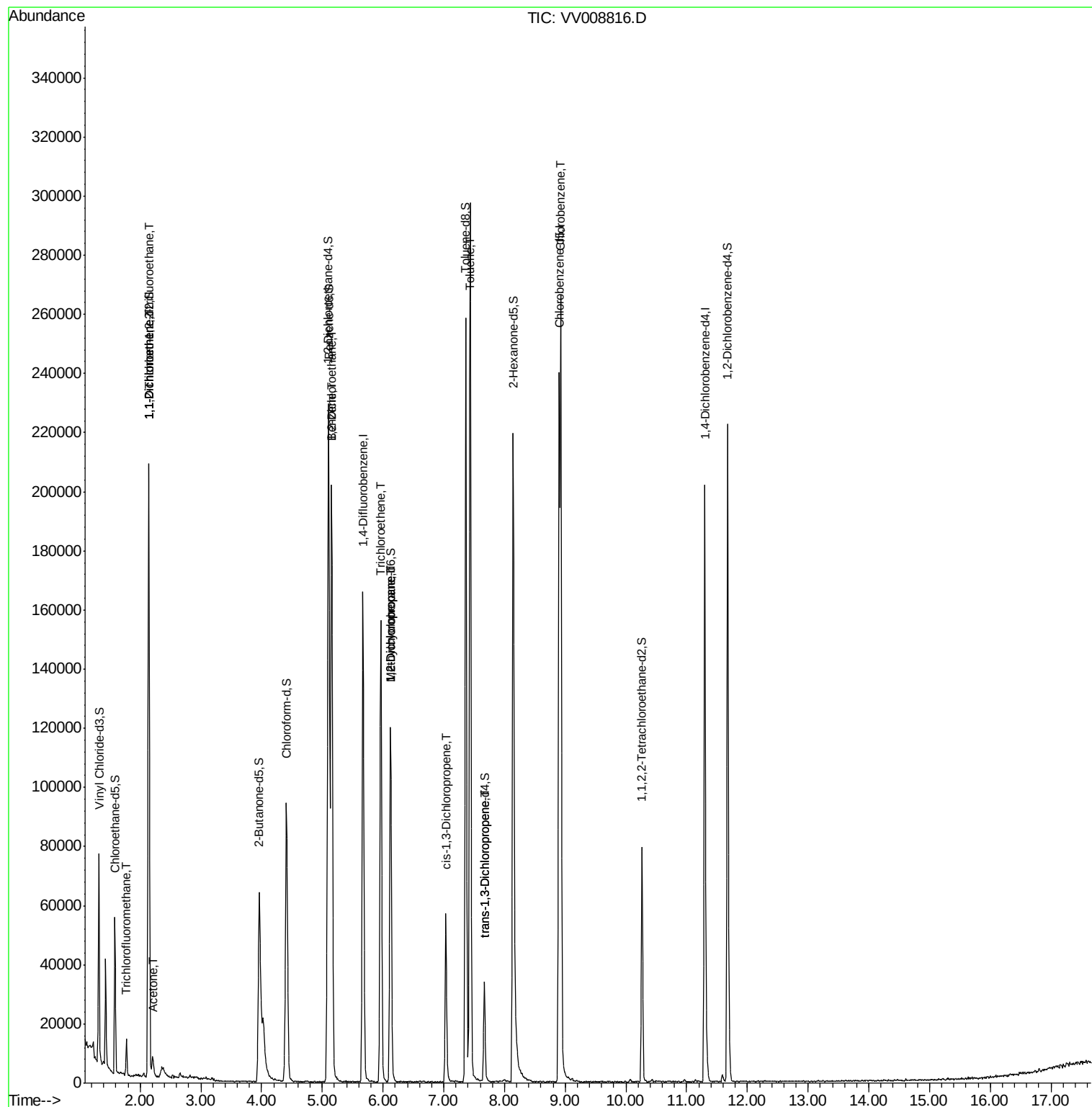
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.78	101	6328	0.454	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	808	0.101	ug/L #	18
12) 1,1-Dichloroethene	2.15	96	36979	5.313	ug/L	88
13) Acetone	2.21	43	7484	6.848	ug/L	100
27) 1,2-Dichloroethane	5.15	62	1786	0.168	ug/L #	74
33) Benzene	5.15	78	201999	5.150	ug/L	100
34) Trichloroethene	5.96	95	54151	4.965	ug/L	97
35) Methylcyclohexane	6.13	83	14590	0.844	ug/L #	21
37) 1,2-Dichloropropane	6.13	63	6497	0.666	ug/L #	87
39) cis-1,3-Dichloropropene	7.04	75	1436	0.112	ug/L #	51
42) Toluene	7.43	91	219294	5.341	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	911	0.090	ug/L	87
51) Chlorobenzene	8.93	112	138686	5.131	ug/L	99

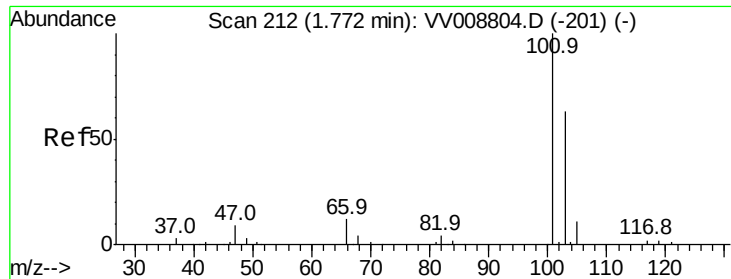
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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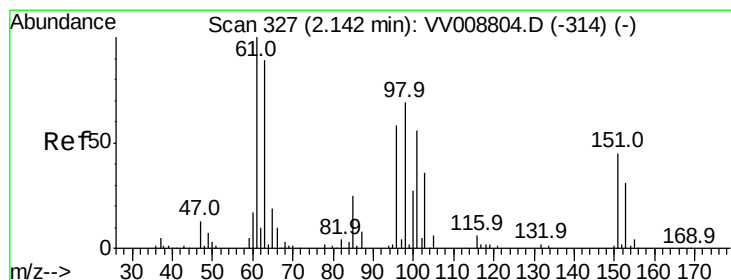
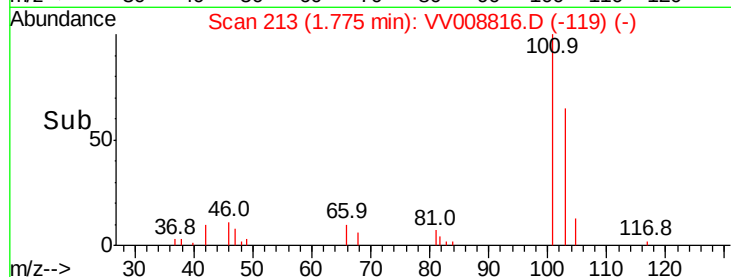
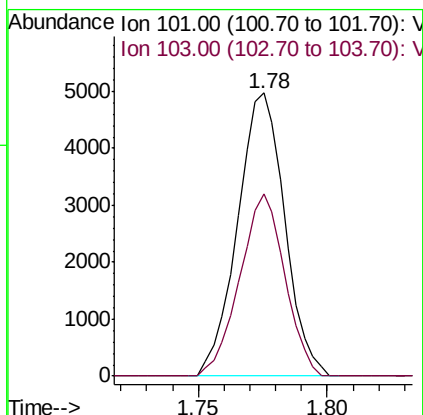
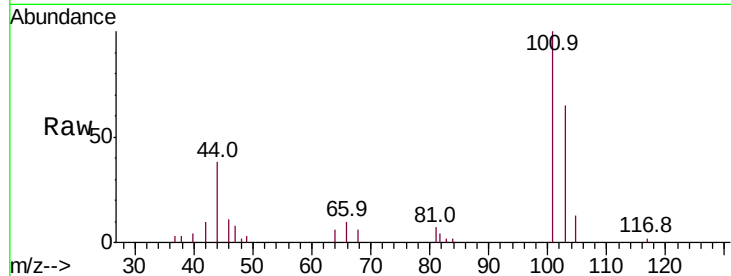


#9

Trichlorofluoromethane
Concen: 0.454 ug/L
RT: 1.78 min Scan# 213
Delta R.T. 0.00 min
Lab File: VV008816.D
Acq: 30 Nov 2018 16:31

Instrument :
MSVOA_V
ClientSampled :

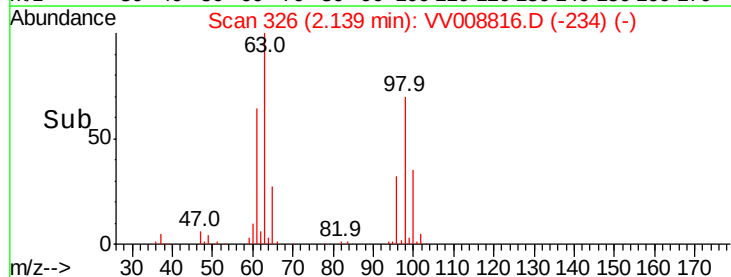
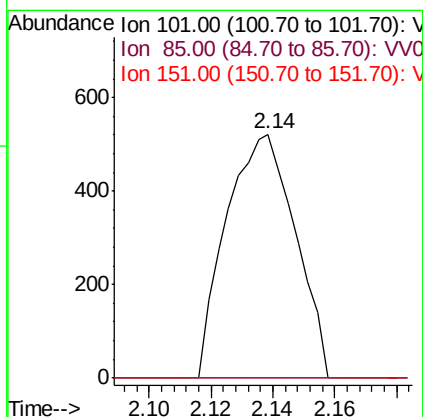
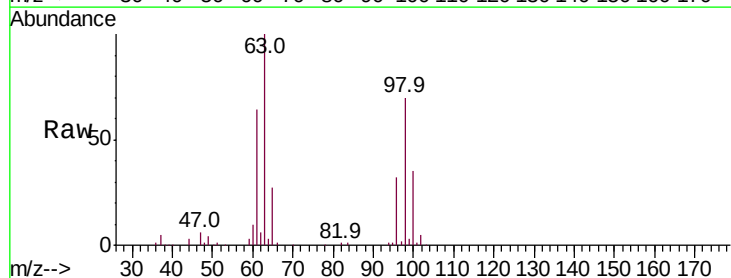
Tot Ion:101 Resp: 6328
Ion Ratio Lower Upper
101 100
103 61.5 52.6 79.0

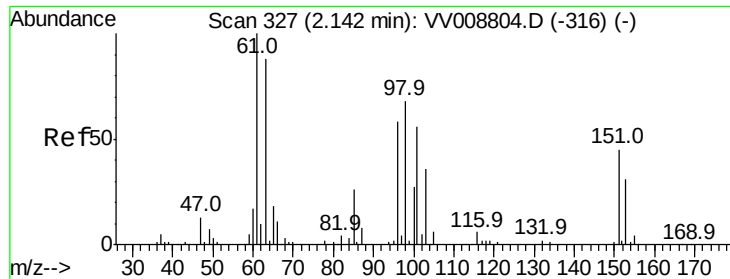


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.101 ug/L
RT: 2.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VV008816.D
Acq: 30 Nov 2018 16:31

Tgt Ion:101 Resp: 808
Ion Ratio Lower Upper
101 100
85 0.0 33.1 49.7#
151 0.0 63.8 95.8#





#12

1,1-Dichloroethene

Concen: 5.313 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.01 min

Lab File: VV008816.D

Acq: 30 Nov 2018 16:31

Instrument :
MSVOA_V
ClientSampleId :

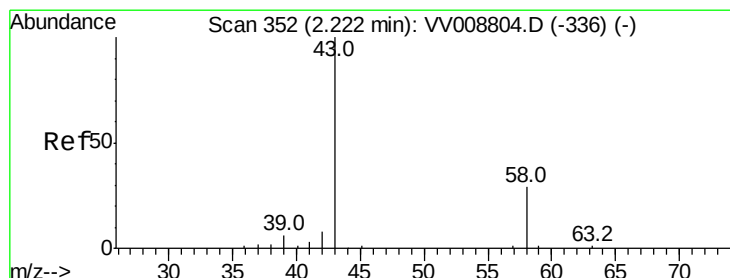
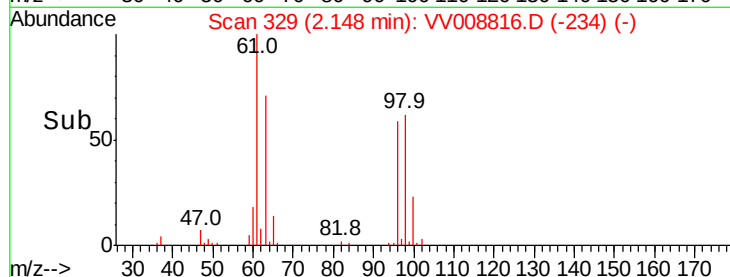
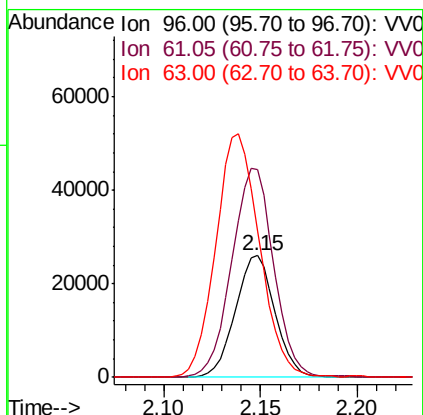
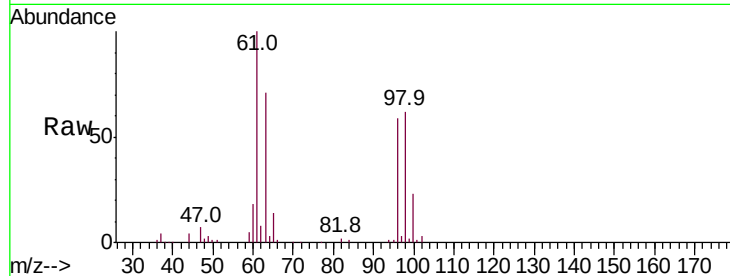
Tot Ion: 96 Resp: 36979

Ion Ratio Lower Upper

96 100

61 170.4 124.3 230.8

63 120.6 102.6 190.5



#13

Acetone

Concen: 6.848 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV008816.D

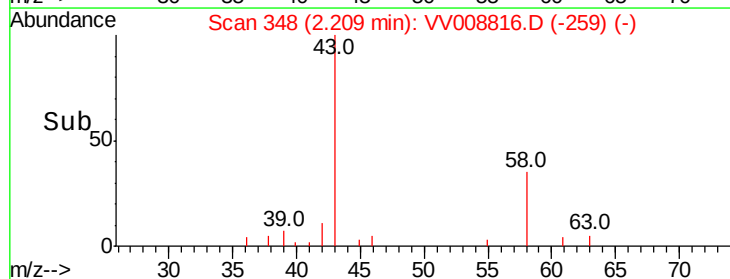
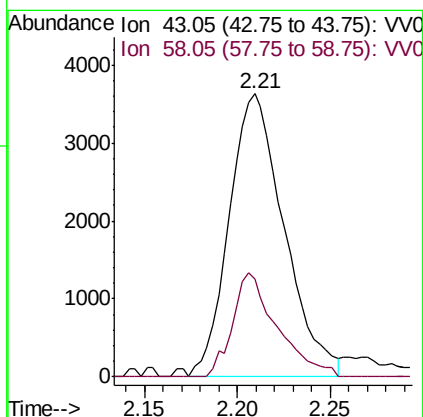
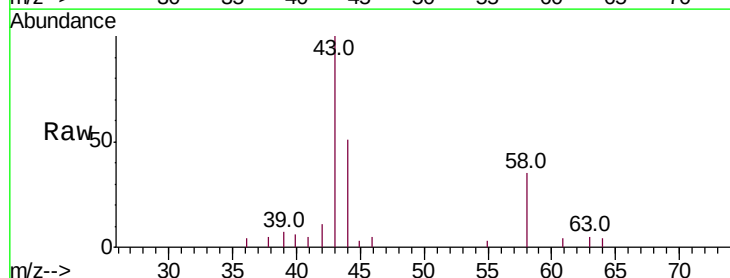
Acq: 30 Nov 2018 16:31

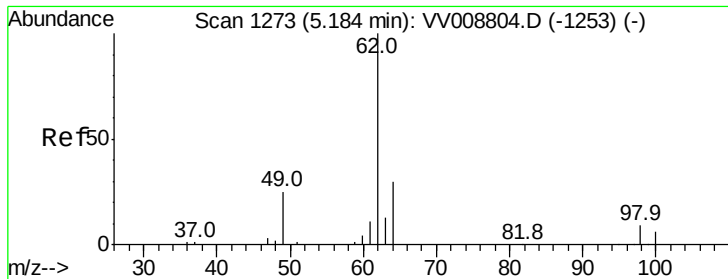
Tgt Ion: 43 Resp: 7484

Ion Ratio Lower Upper

43 100

58 29.6 0.0 59.8

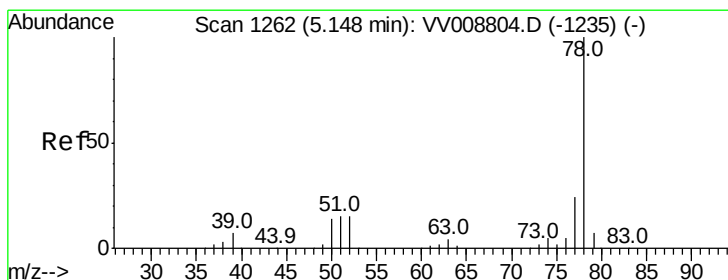
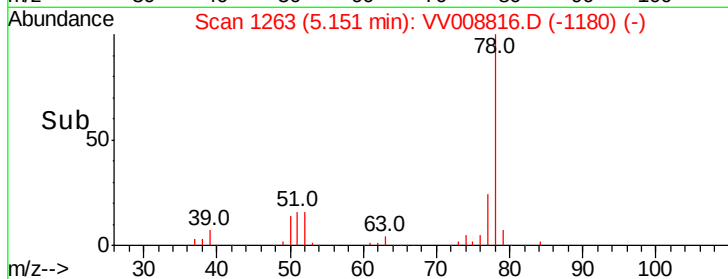
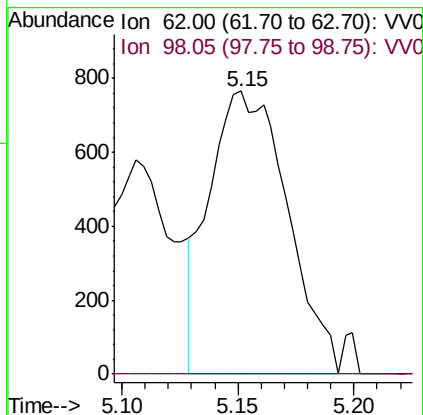
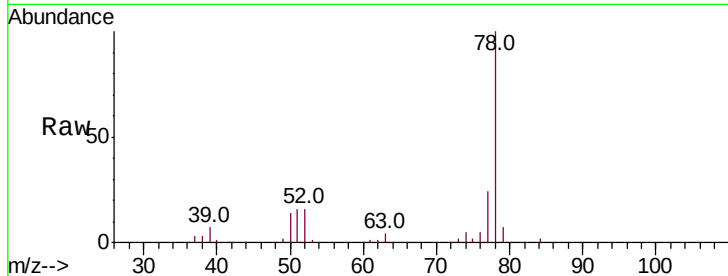




#27
 1,2-Dichloroethane
 Concen: 0.168 ug/L
 RT: 5.15 min Scan# 1263
 Delta R.T. -0.03 min
 Lab File: VV008816.D
 Acq: 30 Nov 2018 16:31

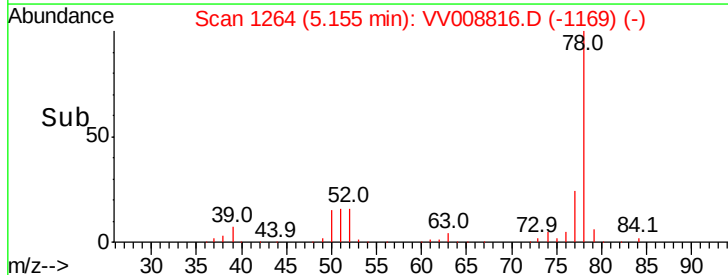
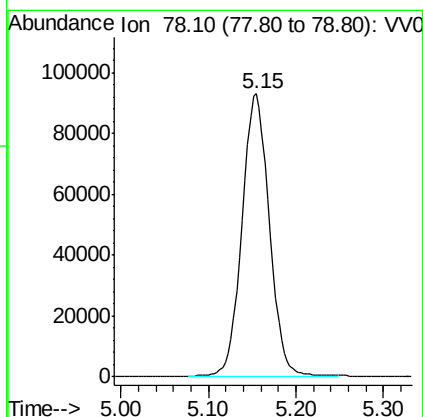
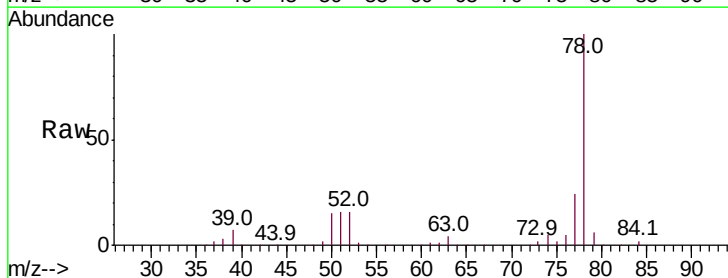
Instrument :
 MSVOA_V
 ClientSampleId :

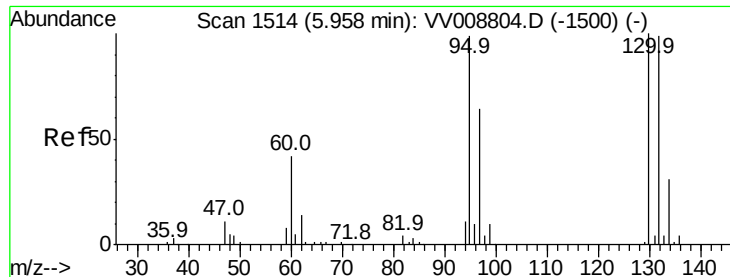
Tot Ion: 62 Resp: 1786
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.7 11.5#



#33
 Benzene
 Concen: 5.150 ug/L
 RT: 5.15 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: VV008816.D
 Acq: 30 Nov 2018 16:31

Tgt Ion: 78 Resp: 201999





#34

Trichloroethene

Concen: 4.965 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV008816.D

Acq: 30 Nov 2018 16:31

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 95 Resp: 54151

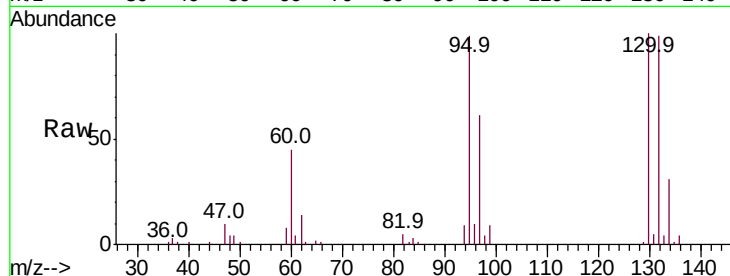
Ion Ratio Lower Upper

95 100

97 61.5 46.5 86.3

132 99.4 69.4 128.8

130 100.5 73.1 135.8

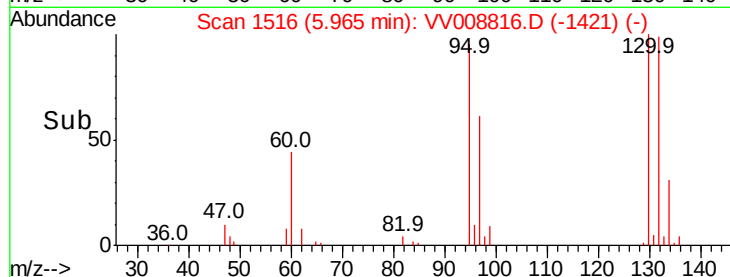


Abundance Ion 95.00 (94.70 to 95.70): VV0

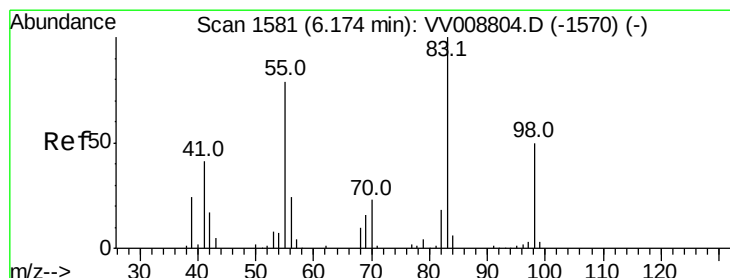
Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



Time-->



#35

Methylcyclohexane

Concen: 0.844 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.05 min

Lab File: VV008816.D

Acq: 30 Nov 2018 16:31

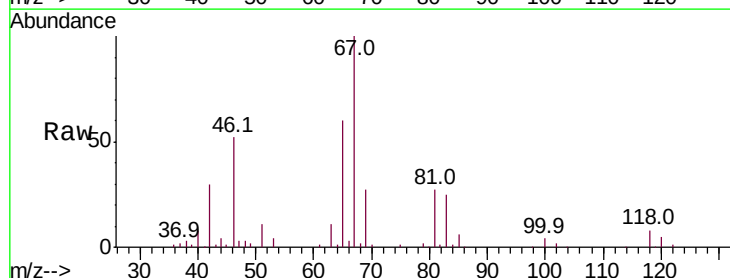
Tgt Ion: 83 Resp: 14590

Ion Ratio Lower Upper

83 100

55 0.0 60.1 90.1#

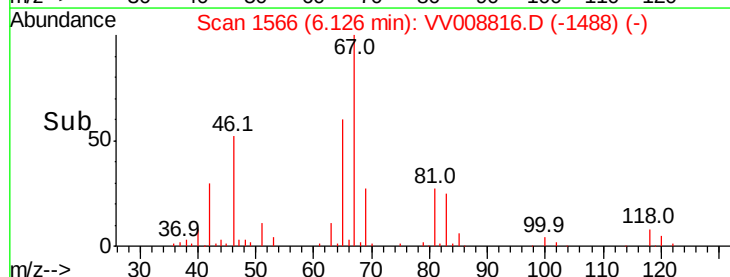
98 3.4 37.4 56.2#



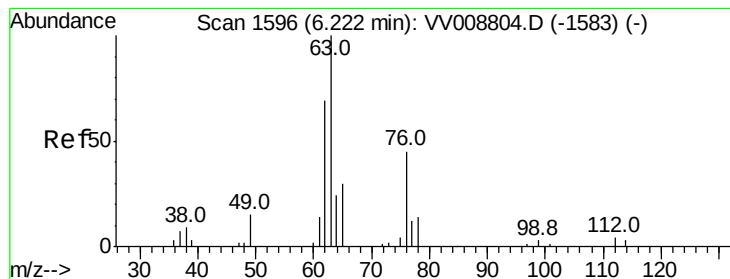
Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0



Time-->



#37

1,2-Dichloropropane

Concen: 0.666 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV008816.D

Acq: 30 Nov 2018 16:31

Instrument :

MSVOA_V

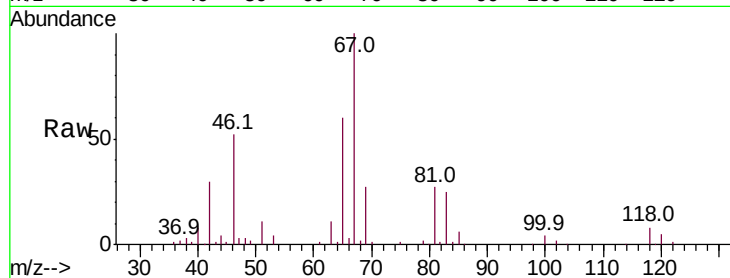
ClientSampleId :

Tot Ion: 63 Resp: 6497

Ion Ratio Lower Upper

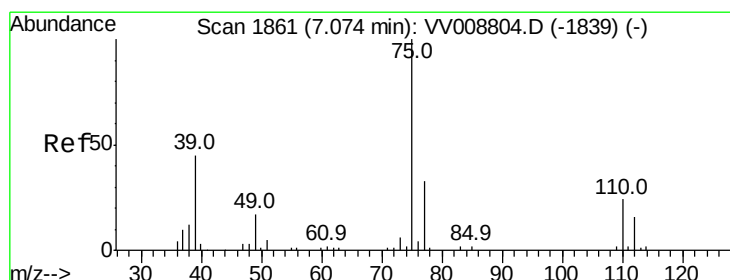
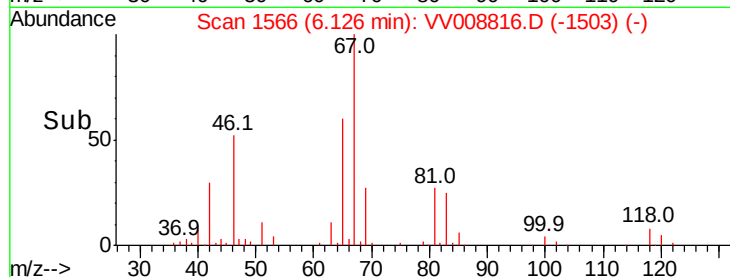
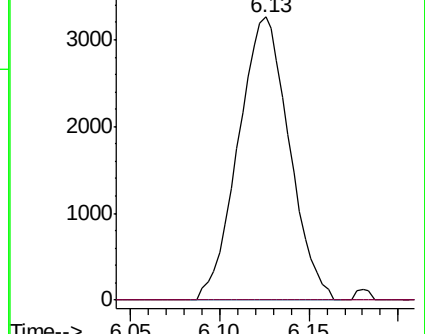
63 100

112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VV008804.D (-1583) (-)

Ion 112.10 (111.80 to 112.80): VV008804.D (-1583) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.112 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV008816.D

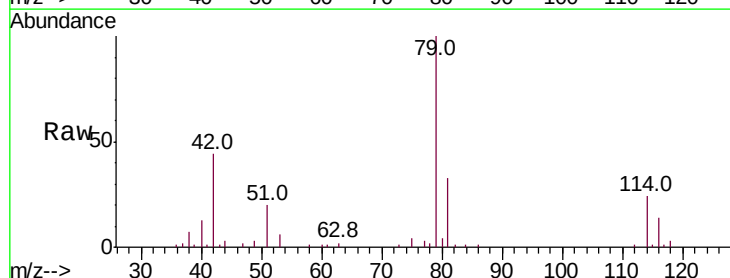
Acq: 30 Nov 2018 16:31

Tgt Ion: 75 Resp: 1436

Ion Ratio Lower Upper

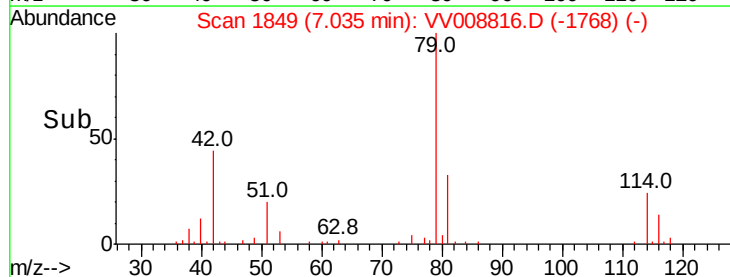
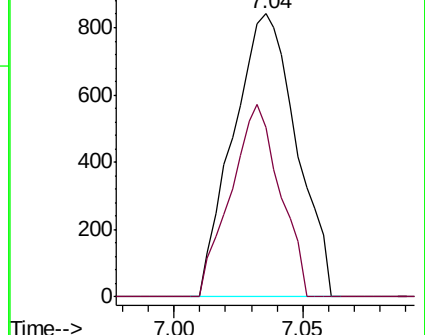
75 100

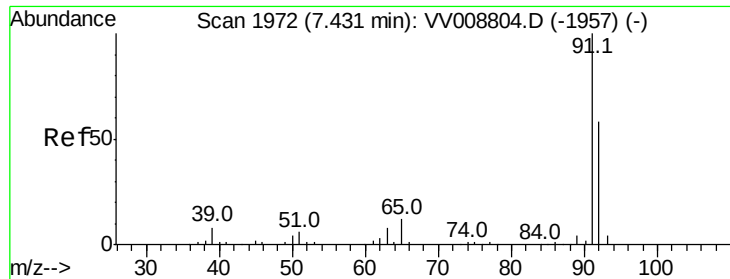
77 59.9 22.8 42.4#



Abundance Ion 75.05 (74.75 to 75.75): VV008804.D (-1839) (-)

Ion 77.05 (76.75 to 77.75): VV008804.D (-1839) (-)





#42

Toluene

Concen: 5.341 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008816.D

Acq: 30 Nov 2018 16:31

Instrument :

MSVOA_V

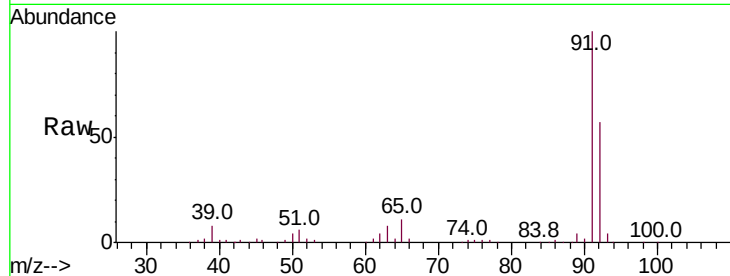
ClientSampled :

Tot Ion: 91 Resp: 219294

Ion Ratio Lower Upper

91 100

92 56.8 40.5 75.3



Abundance Ion 91.15 (90.85 to 91.85): VV008804.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV008804.D (-1957) (-)

7.43

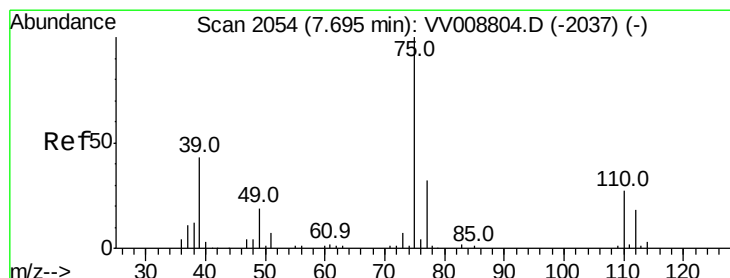
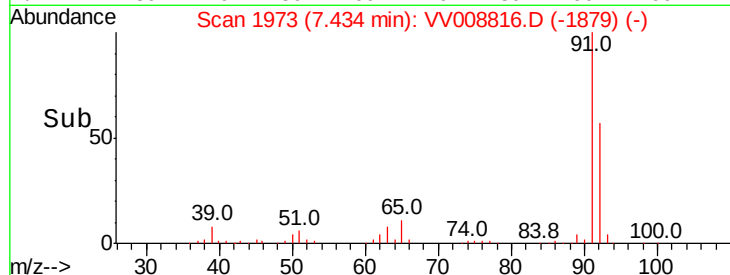
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV008816.D

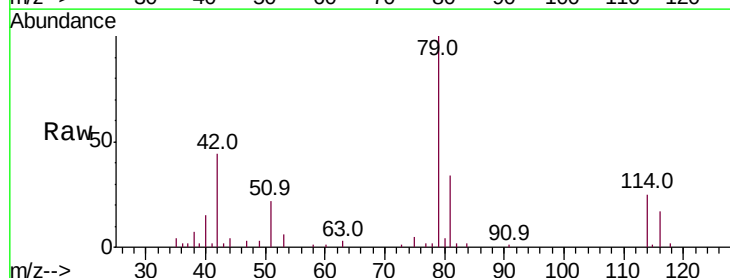
Acq: 30 Nov 2018 16:31

Tgt Ion: 75 Resp: 911

Ion Ratio Lower Upper

75 100

77 37.5 21.3 39.5



Abundance Ion 75.05 (74.75 to 75.75): VV008804.D (-2037) (-)

Ion 77.05 (76.75 to 77.75): VV008804.D (-2037) (-)

7.67

600

500

400

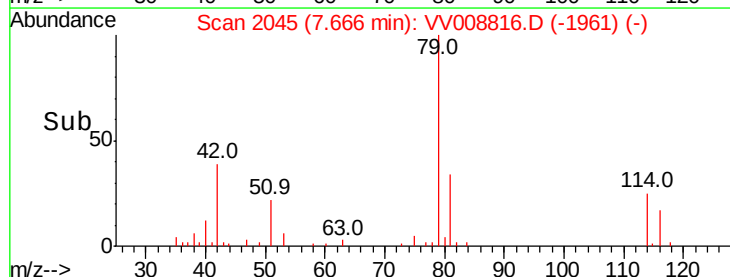
300

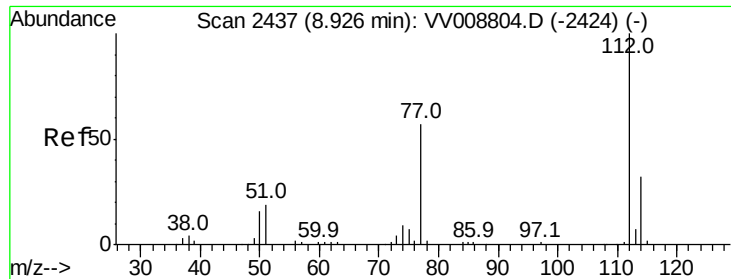
200

100

0

Time-->





#51

Chlorobenzene

Concen: 5.131 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV008816.D

Acq: 30 Nov 2018 16:31

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:112 Resp: 138686

Ion Ratio Lower Upper

112 100

114 33.0 22.8 42.4

77 57.4 46.2 69.4

