

Data File : VV013661.D
Acq On : 18 Nov 2019 16:36
Operator : SY/MD
Sample : K5910-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQH8

Quant Time: Nov 19 04:29:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 19 04:25:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	342861	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	342937	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	150900	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	97164	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.58	69	92553	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.13	63	135636	3.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.40%
20) 2-Butanone-d5	3.96	46	293012	59.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.66%
24) Chloroform-d	4.40	84	228036	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.08	65	117690	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.10	84	446191	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.11	67	137931	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.36	98	378708	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloropropene-	7.66	79	49638	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.14	63	209777	50.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.98%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	101482	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	158740	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

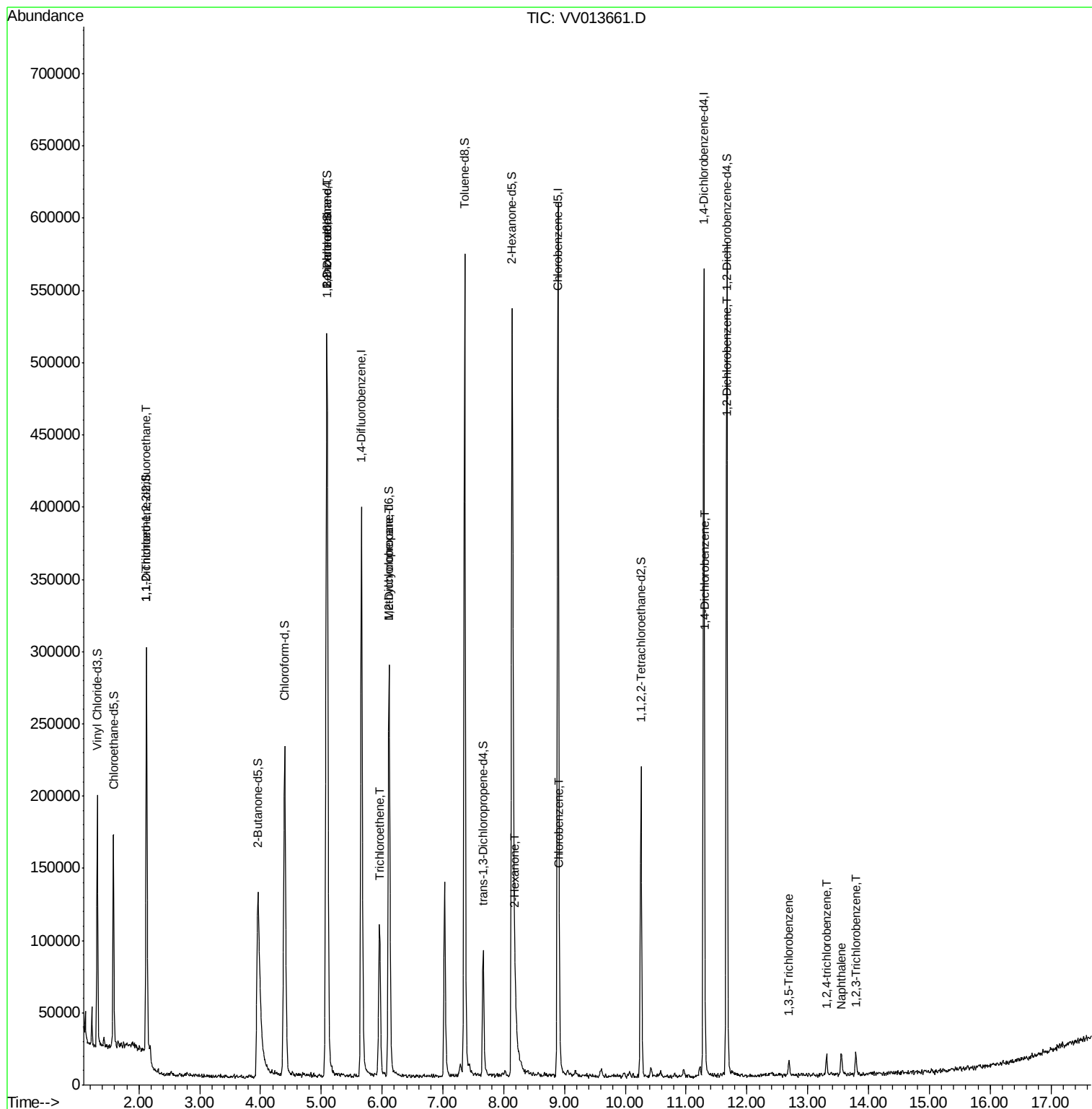
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2034	0.096	ug/L #	26
27) 1,2-Dichloroethane	5.10	62	2877	0.106	ug/L	96
34) Trichloroethene	5.96	95	35509	1.278	ug/L	97
35) Methylcyclohexane	6.11	83	34629	0.817	ug/L #	18
48) 2-Hexanone	8.19	43	23104	2.253	ug/L #	94
51) Chlorobenzene	8.92	112	6855	0.093	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	3867	0.075	ug/L	91
65) 1,2-Dichlorobenzene	11.68	146	3660	0.078	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	3482	0.083	ug/L #	93
68) 1,2,4-trichlorobenzene	13.31	180	4600	0.133	ug/L	95
69) Naphthalene	13.55	128	11705	0.249	ug/L #	92
70) 1,2,3-Trichlorobenzene	13.79	180	4297	0.136	ug/L	88

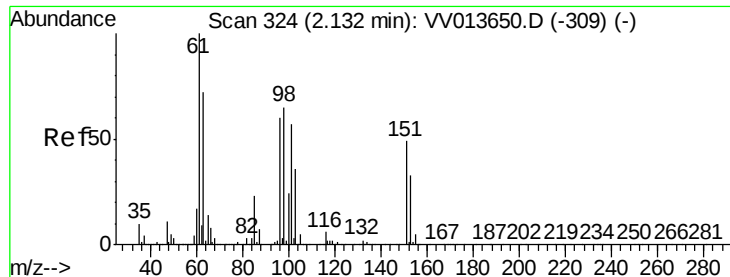
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.096 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV013661.D

Acq: 18 Nov 2019 16:36

Instrument :

MSVOA_V

ClientSampleId :

GAQH8

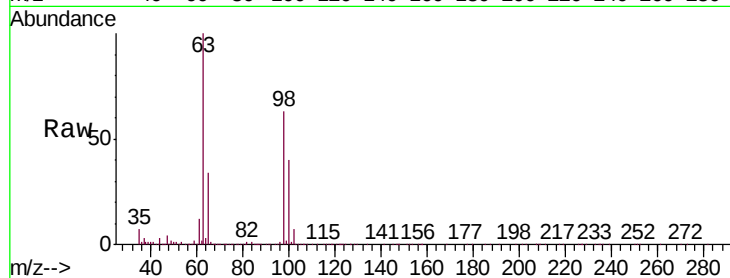
Tgt Ion: 101 Resp: 2034

Ion Ratio Lower Upper

101 100

85 9.1 32.0 48.0#

151 7.8 69.0 103.6#

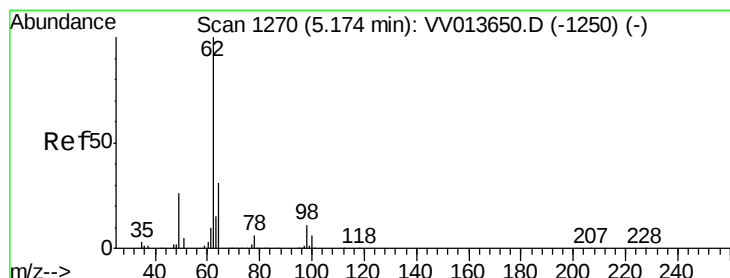
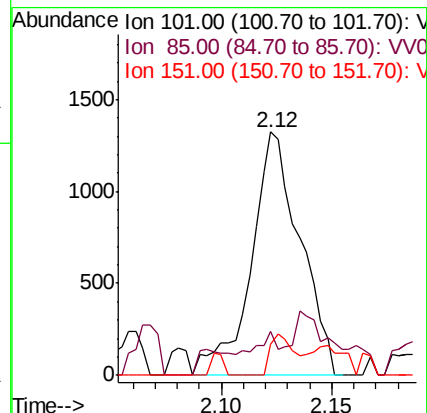
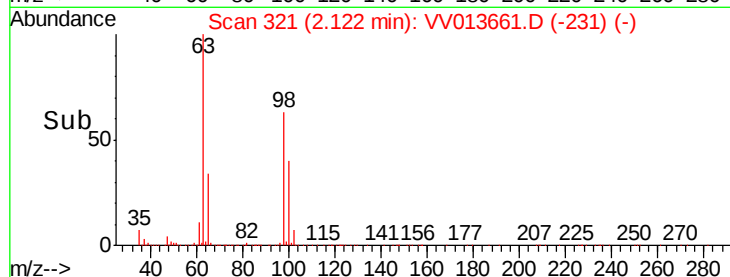


Abundance Ion 101.00 (100.70 to 101.70): VV013661.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV013661.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV013661.D (-231) (-)

Time-->



#27

1,2-Dichloroethane

Concen: 0.106 ug/L

RT: 5.10 min Scan# 1248

Delta R.T. -0.07 min

Lab File: VV013661.D

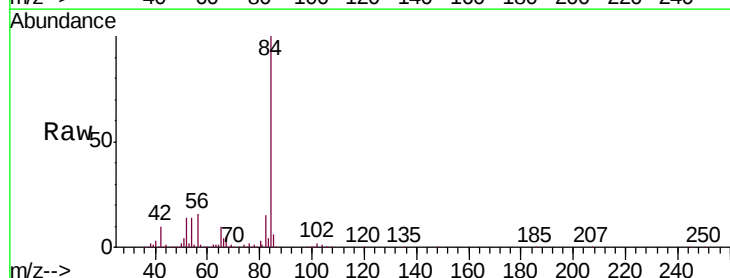
Acq: 18 Nov 2019 16:36

Tgt Ion: 62 Resp: 2877

Ion Ratio Lower Upper

62 100

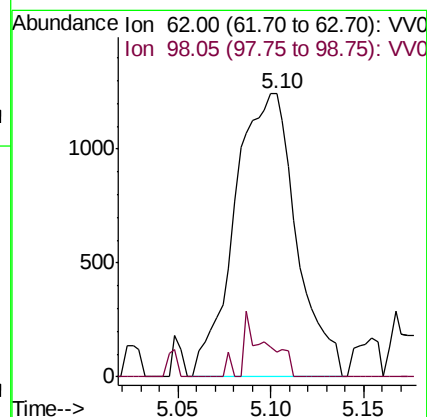
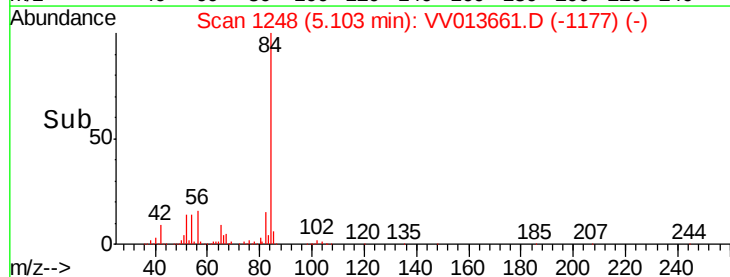
98 8.7 8.2 12.2

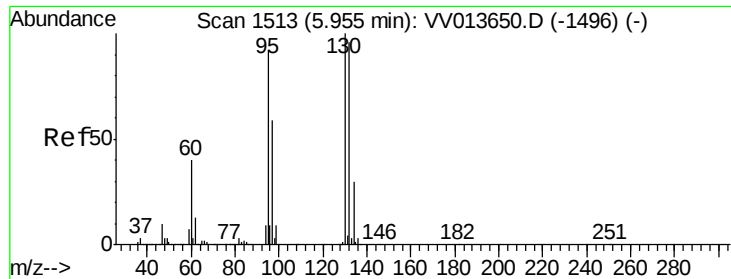


Abundance Ion 62.00 (61.70 to 62.70): VV013661.D (-1177) (-)

Ion 98.05 (97.75 to 98.75): VV013661.D (-1177) (-)

Time-->





#34

Trichloroethene

Concen: 1.278 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013661.D

Acq: 18 Nov 2019 16:36

Instrument :

MSVOA_V

ClientSampleId :

GAQH8

Tgt Ion: 95 Resp: 35509

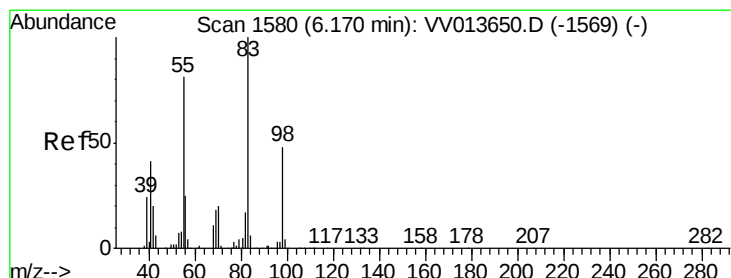
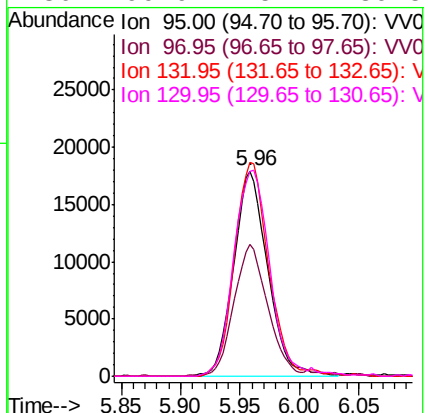
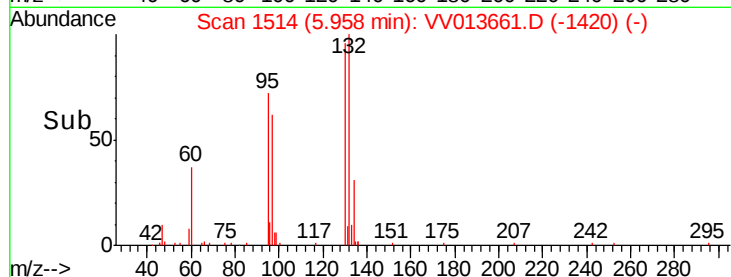
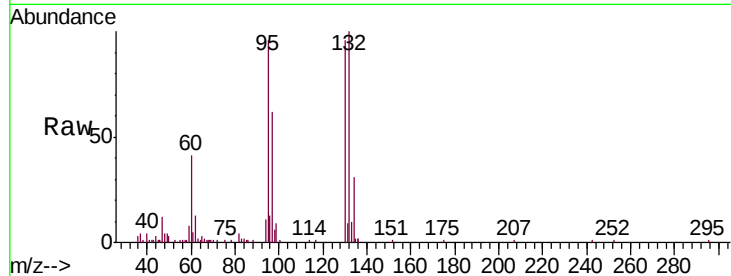
Ion Ratio Lower Upper

95 100

97 64.2 44.8 83.2

132 104.1 72.9 135.3

130 99.9 75.1 139.5



#35

Methylcyclohexane

Concen: 0.817 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013661.D

Acq: 18 Nov 2019 16:36

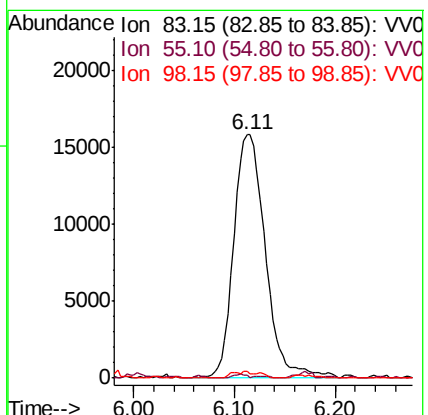
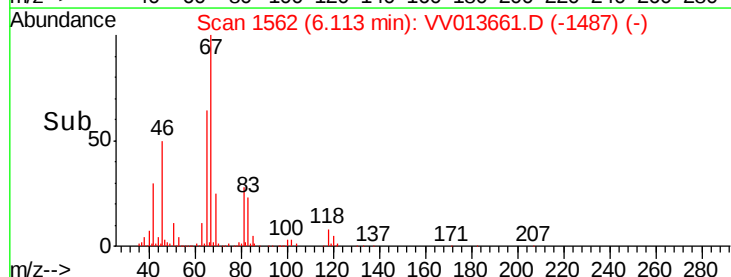
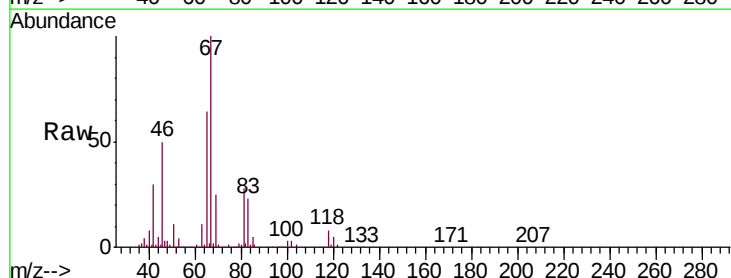
Tgt Ion: 83 Resp: 34629

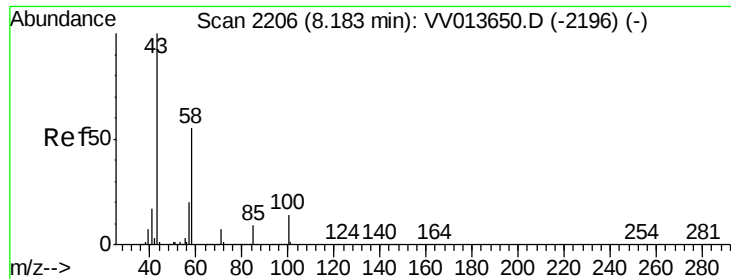
Ion Ratio Lower Upper

83 100

55 0.6 64.1 96.1#

98 1.7 38.2 57.2#

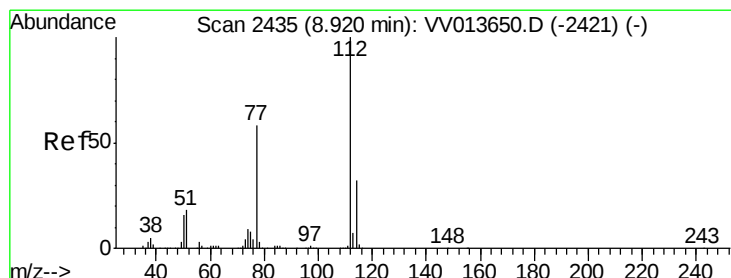
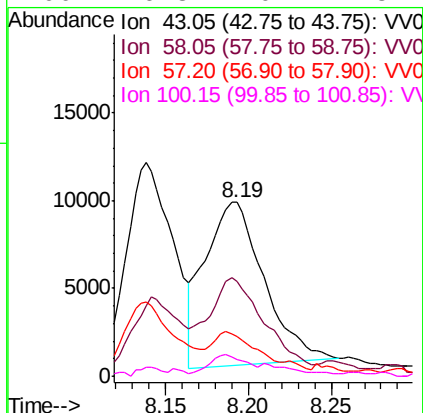
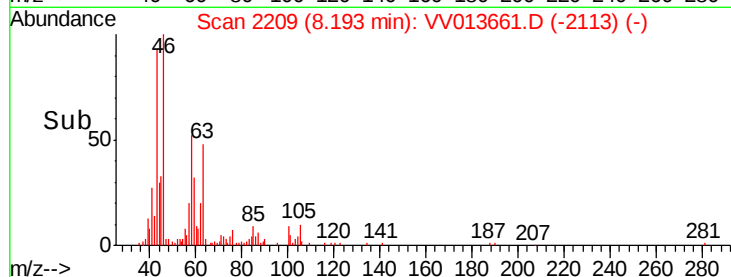
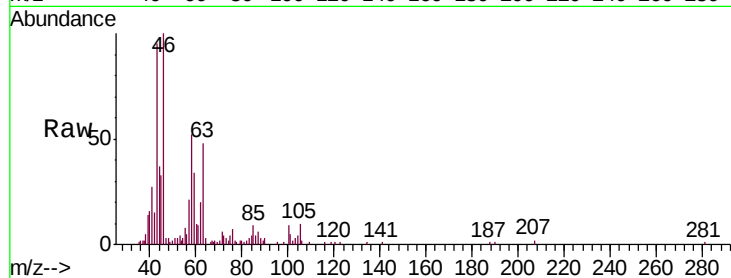




#48
2-Hexanone
Concen: 2.253 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV013661.D
Acq: 18 Nov 2019 16:36

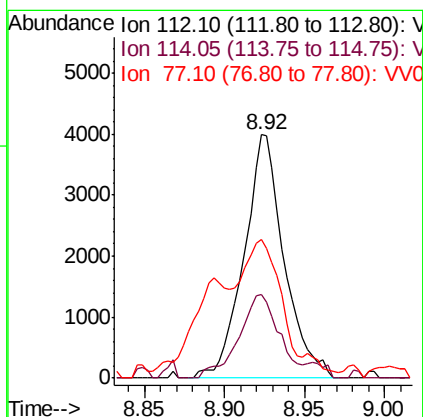
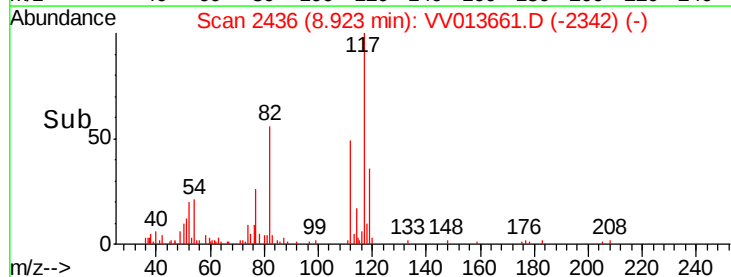
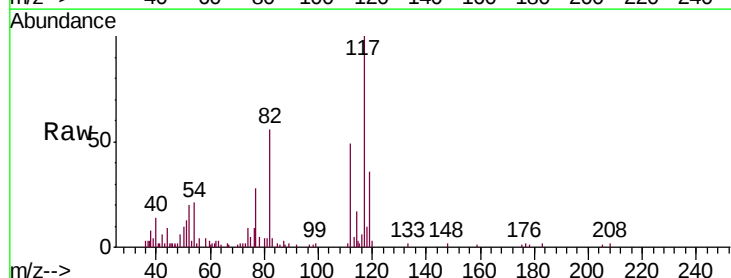
Instrument :
MSVOA_V
ClientSampleId :
GAQH8

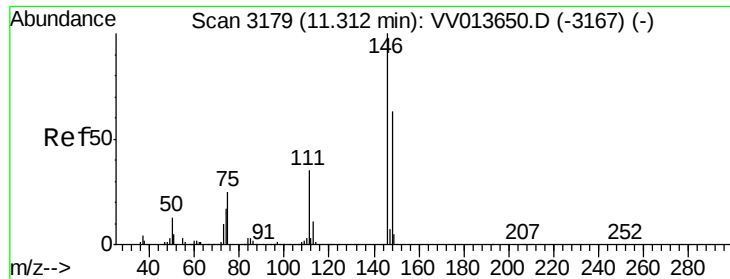
Tgt Ion: 43 Resp: 23104
Ion Ratio Lower Upper
43 100
58 57.0 43.0 64.6
57 21.8 15.4 23.2
100 6.8 10.1 15.1#



#51
Chlorobenzene
Concen: 0.093 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013661.D
Acq: 18 Nov 2019 16:36

Tgt Ion: 112 Resp: 6855
Ion Ratio Lower Upper
112 100
114 34.2 22.8 42.4
77 56.7 45.0 67.4

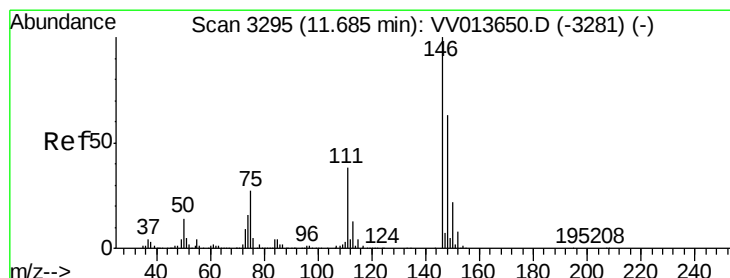
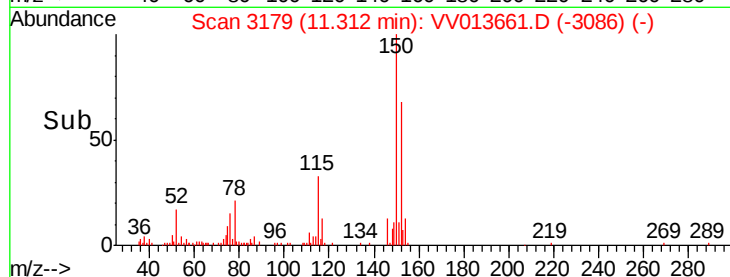
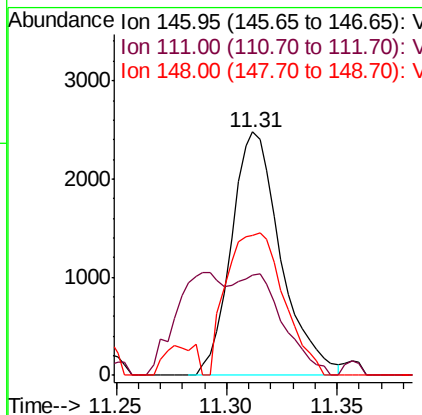
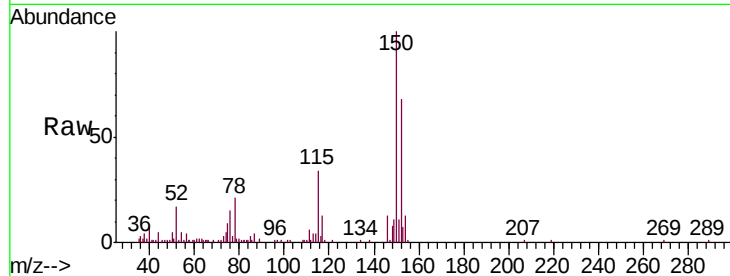




#63
 1,4-Dichlorobenzene
 Concen: 0.075 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV013661.D
 Acq: 18 Nov 2019 16:36

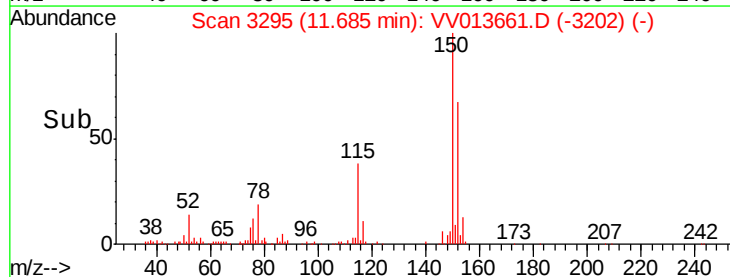
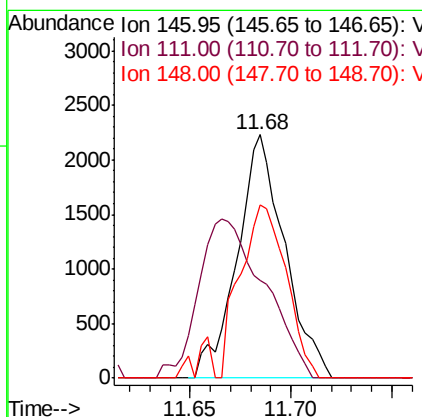
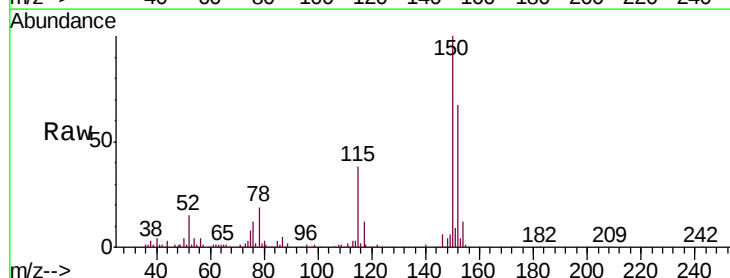
Instrument :
 MSVOA_V
 ClientSampleId :
 GAQH8

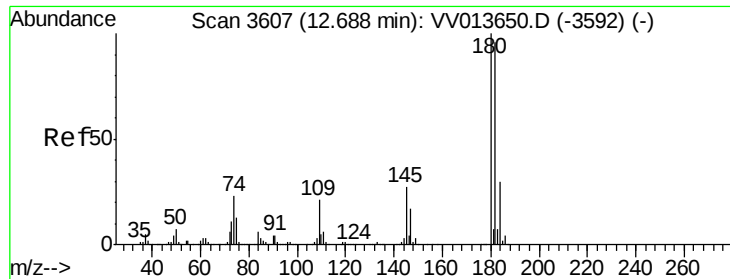
Tgt Ion:146 Resp: 3867
 Ion Ratio Lower Upper
 146 100
 111 41.3 25.6 47.6
 148 57.3 45.6 84.8



#65
 1,2-Dichlorobenzene
 Concen: 0.078 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013661.D
 Acq: 18 Nov 2019 16:36

Tgt Ion:146 Resp: 3660
 Ion Ratio Lower Upper
 146 100
 111 39.9 31.3 46.9
 148 71.1 51.1 76.7

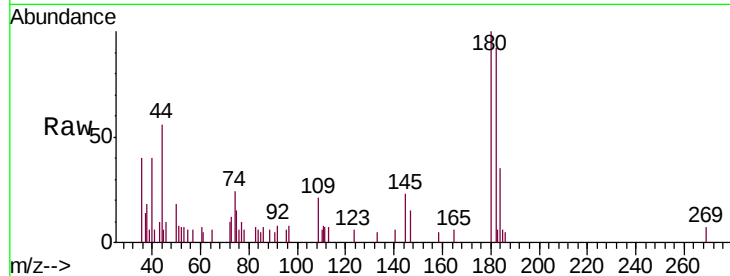




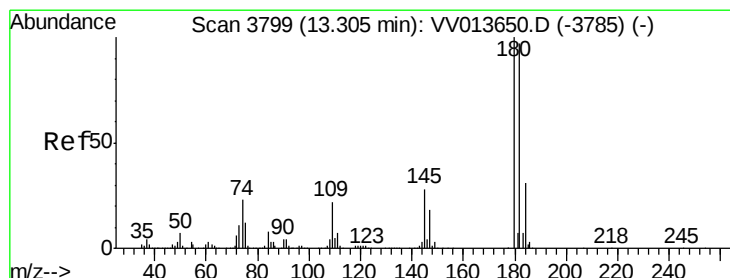
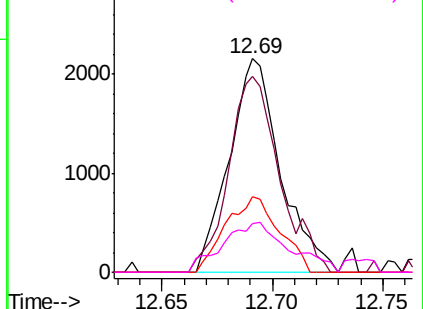
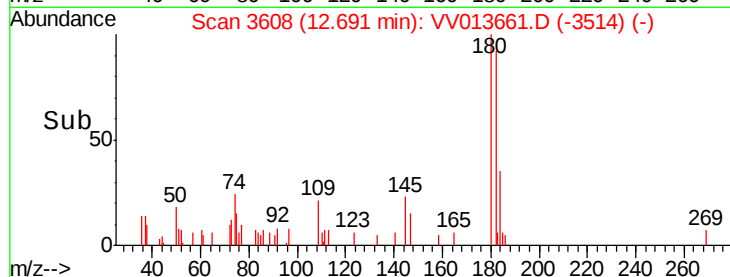
#67
 1,3,5-Trichlorobenzene
 Concen: 0.083 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013661.D
 Acq: 18 Nov 2019 16:36

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQH8

Tgt Ion:180 Resp: 3482
 Ion Ratio Lower Upper
 180 100
 182 91.2 77.0 115.6
 184 36.8 24.4 36.6#
 145 30.1 21.5 32.3

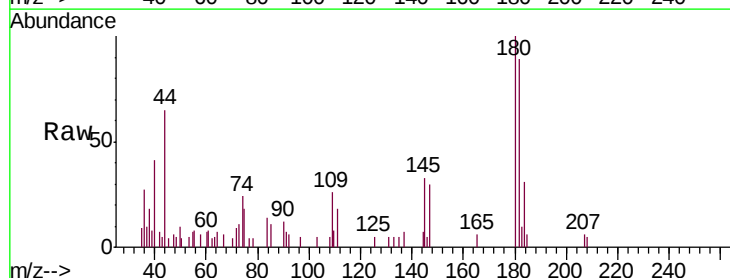


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

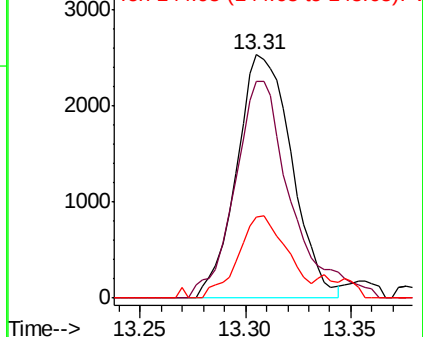
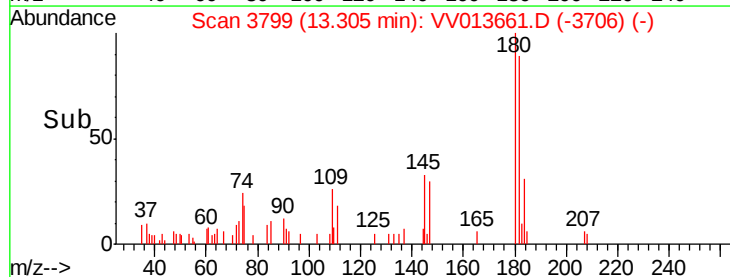


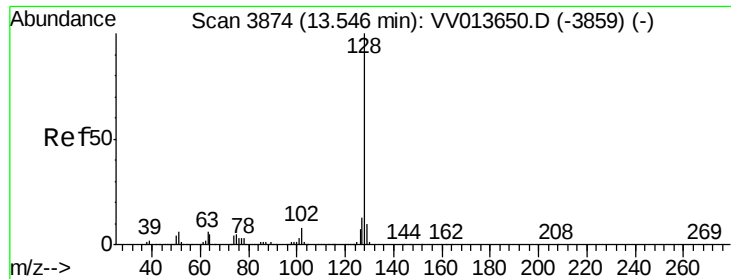
#68
 1,2,4-trichlorobenzene
 Concen: 0.133 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013661.D
 Acq: 18 Nov 2019 16:36

Tgt Ion:180 Resp: 4600
 Ion Ratio Lower Upper
 180 100
 182 90.5 77.2 115.8
 145 29.8 22.6 33.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.249 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013661.D

Acq: 18 Nov 2019 16:36

Instrument :

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ClientSampleId :

GAQH8

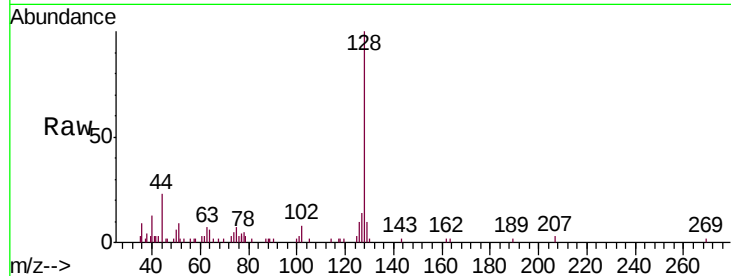
Tgt Ion:128 Resp: 11705

Ion Ratio Lower Upper

128 100

129 5.4 8.6 13.0#

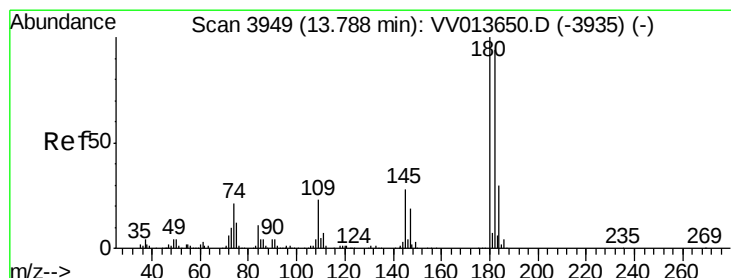
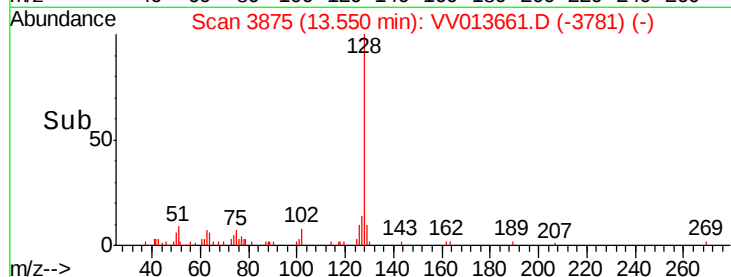
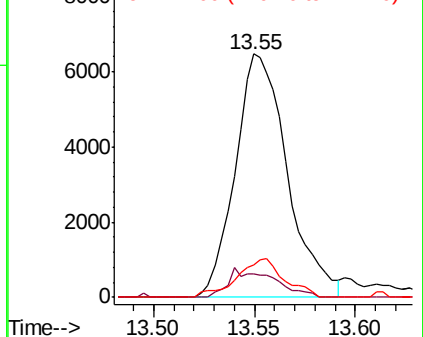
127 14.4 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.136 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013661.D

Acq: 18 Nov 2019 16:36

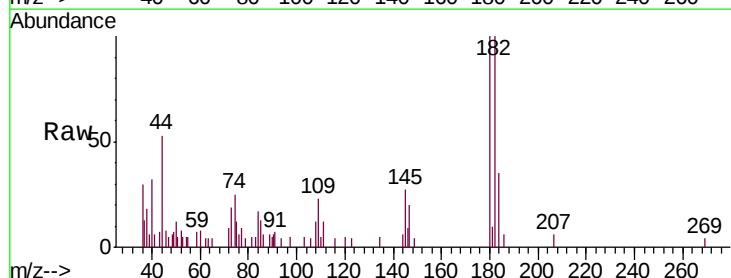
Tgt Ion:180 Resp: 4297

Ion Ratio Lower Upper

180 100

182 108.2 75.6 113.4

145 32.4 23.4 35.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

