

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092818\
 Data File : VV007977.D
 Acq On : 29 Sep 2018 02:18
 Operator : SY/MD
 Sample : J5159-01
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAC87

Quant Time: Oct 01 04:57:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 01 04:55:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	89840	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	85414	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	41278	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	17648	3.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.20%
7) Chloroethane-d5	1.59	69	17819	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.14	63	30026	2.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.20%#
20) 2-Butanone-d5	3.97	46	66842	46.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.28%
24) Chloroform-d	4.41	84	47562	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	5.09	65	26232	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.10	84	89913	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.13	67	29458	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.36	98	82459	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.40%
43) trans-1,3-Dichloropropene-	7.67	79	8695	3.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.80%
46) 2-Hexanone-d5	8.14	63	47323	43.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.14%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	21759	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	35168	4.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	2392	0.317 ug/L	94
9) Trichlorofluoromethane	1.77	101	1381	0.118 ug/L	90
19) 1,1-Dichloroethane	3.23	63	15244	1.365 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	4306	0.650 ug/L	100
25) Chloroform	4.43	83	1196	0.099 ug/L #	75
29) 1,1,1-Trichloroethane	4.67	97	1045	0.102 ug/L #	77
34) Trichloroethene	5.96	95	3464	0.495 ug/L	93
35) Methylcyclohexane	6.13	83	7202	0.686 ug/L #	18
39) cis-1,3-Dichloropropene	7.04	75	724	0.087 ug/L #	69
47) Tetrachloroethene	8.02	164	5436	0.838 ug/L	95
48) 2-Hexanone	8.14	43	6875	2.521 ug/L #	76
49) Dibromochloromethane	8.02	129	4712	0.915 ug/L #	12
51) Chlorobenzene	8.93	112	2770	0.151 ug/L	88
63) 1,4-Dichlorobenzene	11.32	146	1902	0.134 ug/L #	91
65) 1,2-Dichlorobenzene	11.69	146	1380	0.107 ug/L	93

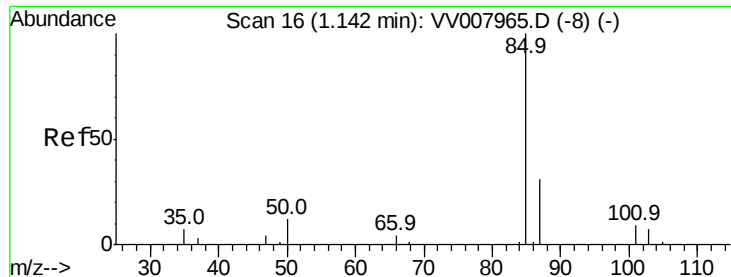
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092818\
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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 01 04:55:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#2

Dichlorodifluoromethane

Concen: 0.317 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV007977.D

Acq: 29 Sep 2018 02:18

Instrument :

MSVOA_V

ClientSampleId :

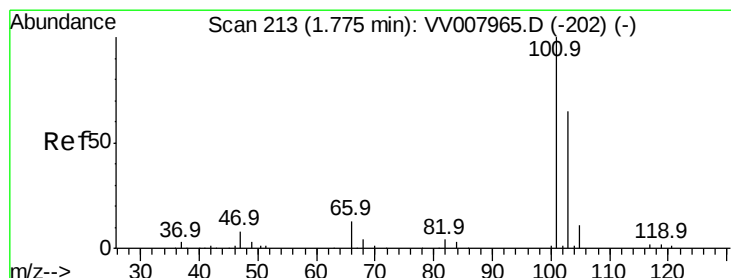
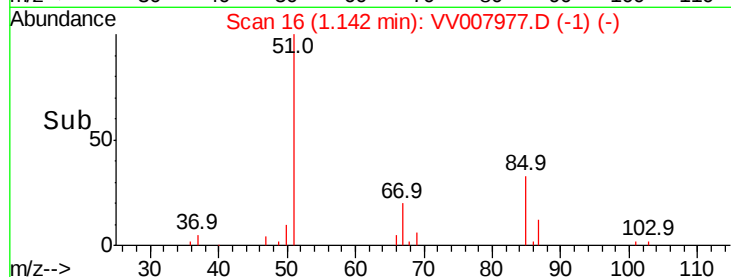
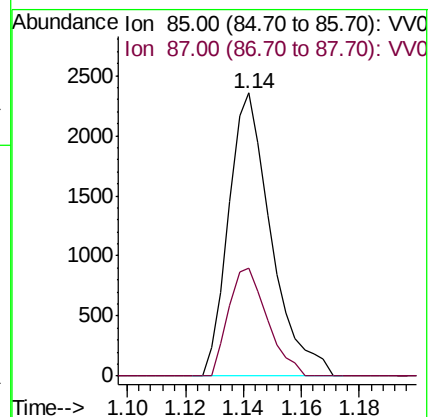
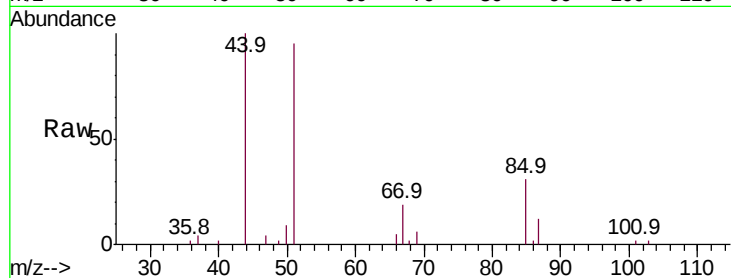
GAC87

Tot Ion: 85 Resp: 2392

Ion Ratio Lower Upper

85 100

87 34.9 25.2 37.8



#9

Trichlorofluoromethane

Concen: 0.118 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV007977.D

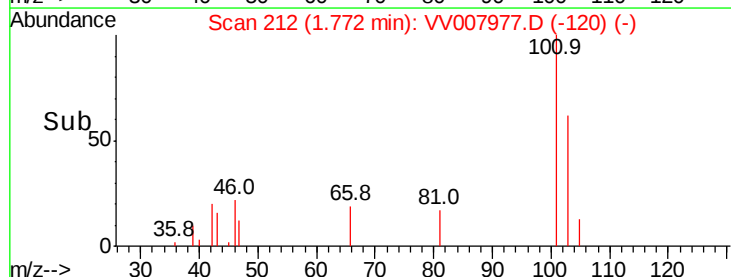
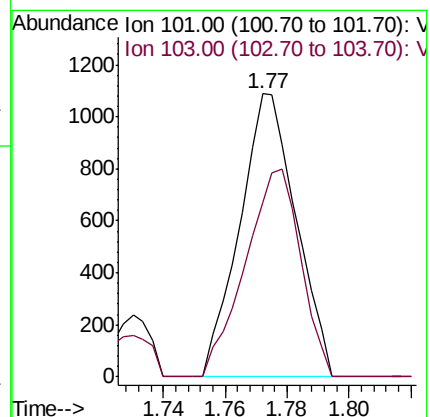
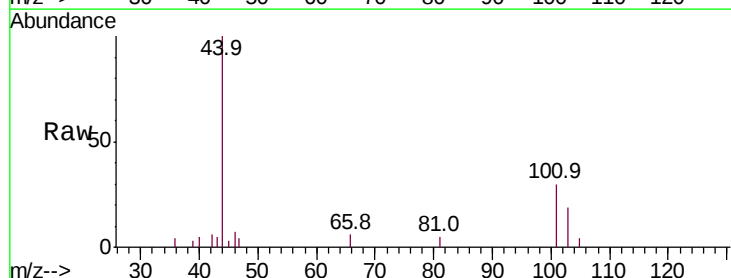
Acq: 29 Sep 2018 02:18

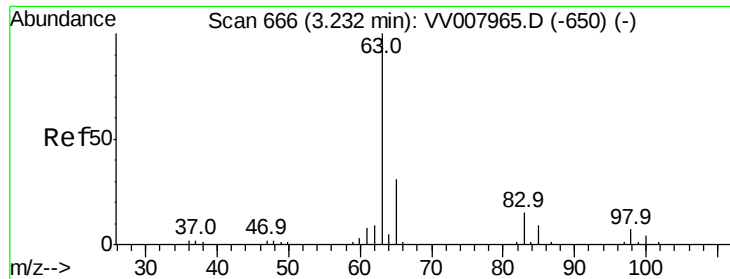
Tgt Ion: 101 Resp: 1381

Ion Ratio Lower Upper

101 100

103 72.0 51.5 77.3

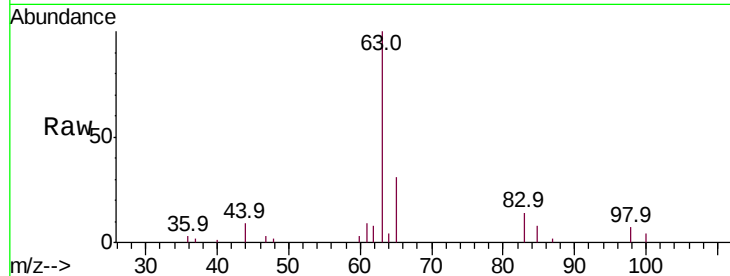




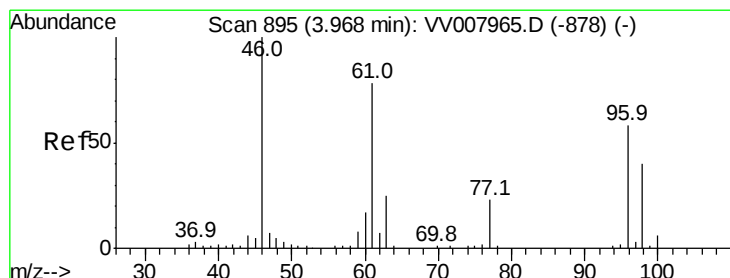
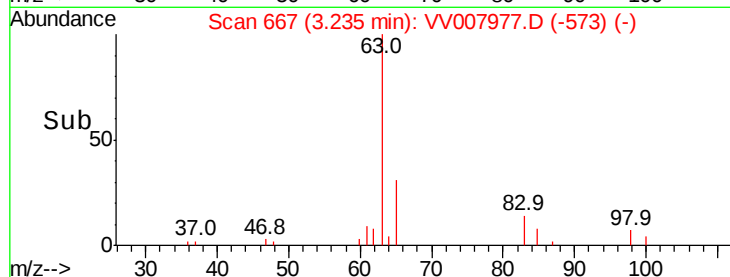
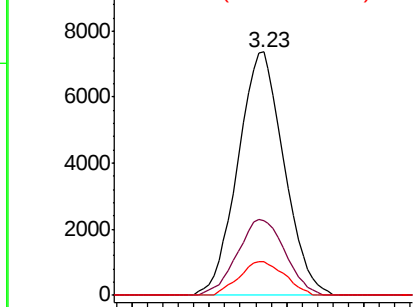
#19
 1,1-Dichloroethane
 Concen: 1.365 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV007977.D
 Acq: 29 Sep 2018 02:18

Instrument :
 MSVOA_V
 ClientSampleId :
 GAC87

Tot Ion: 63 Resp: 15244
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.3 41.5
 83 13.7 9.8 18.2

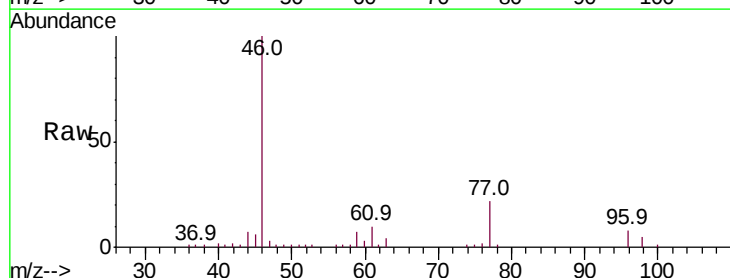


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

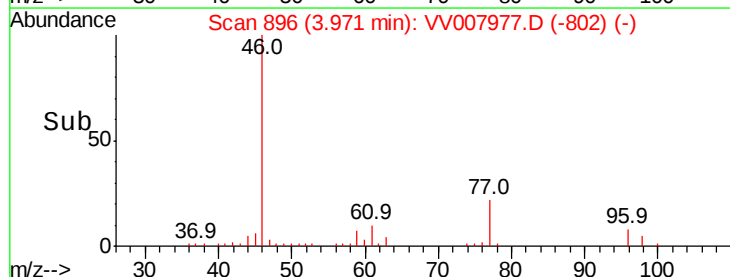
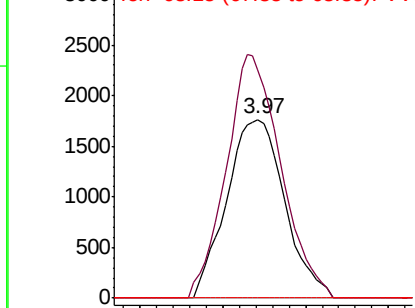


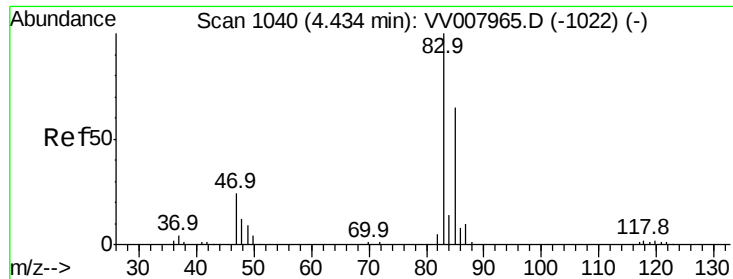
#22
 cis-1,2-Dichloroethene
 Concen: 0.650 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VV007977.D
 Acq: 29 Sep 2018 02:18

Tgt Ion: 96 Resp: 4306
 Ion Ratio Lower Upper
 96 100
 61 128.2 89.5 166.1
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0





#25

Chloroform

Concen: 0.099 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. -0.01 min

Lab File: VV007977.D

Acq: 29 Sep 2018 02:18

Instrument :

MSVOA_V

ClientSampled :

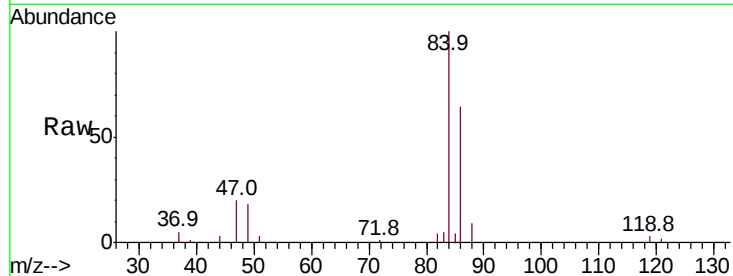
GAC87

Tot Ion: 83 Resp: 1196

Ion Ratio Lower Upper

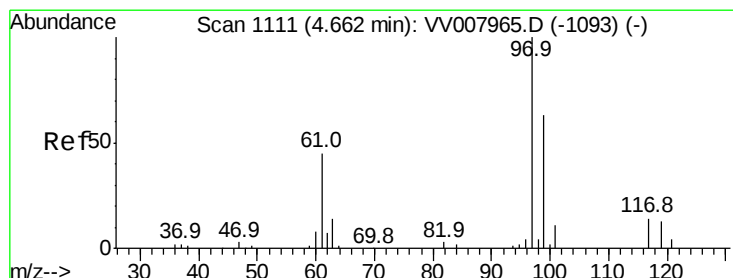
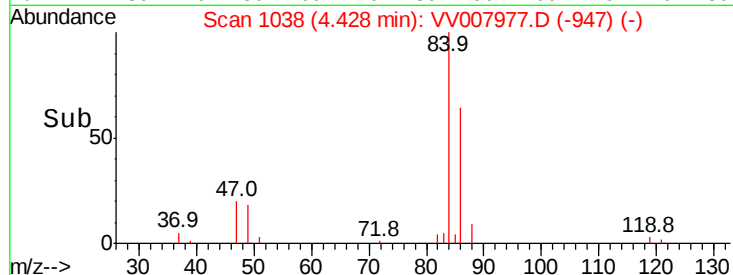
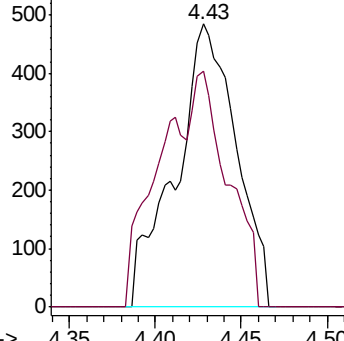
83 100

85 83.3 44.8 83.2#



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#29

1,1,1-Trichloroethane

Concen: 0.102 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VV007977.D

Acq: 29 Sep 2018 02:18

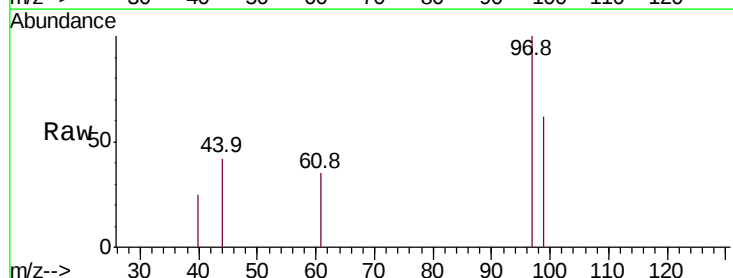
Tgt Ion: 97 Resp: 1045

Ion Ratio Lower Upper

97 100

99 54.4 51.2 76.8

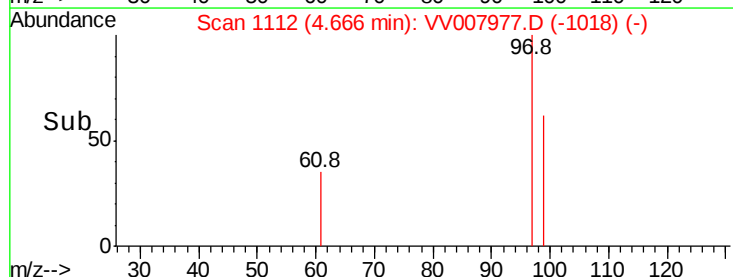
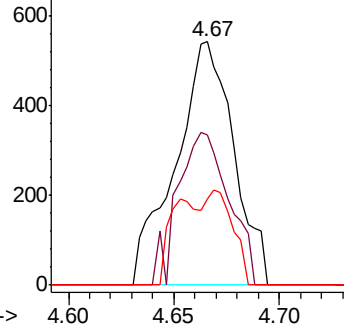
61 18.3 34.6 52.0#

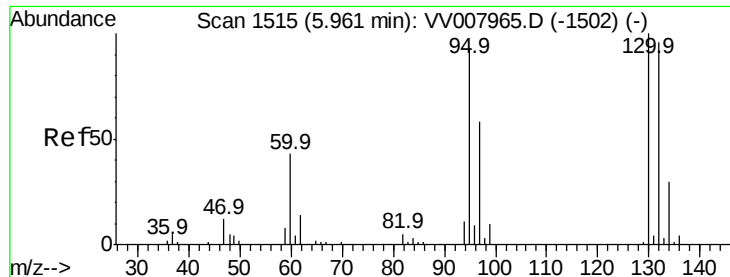


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0

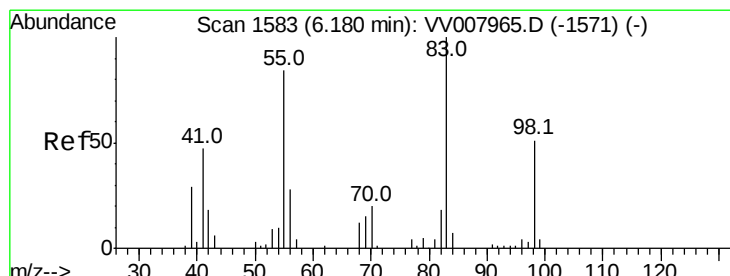
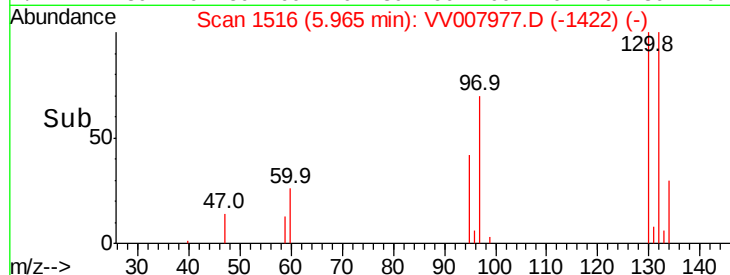
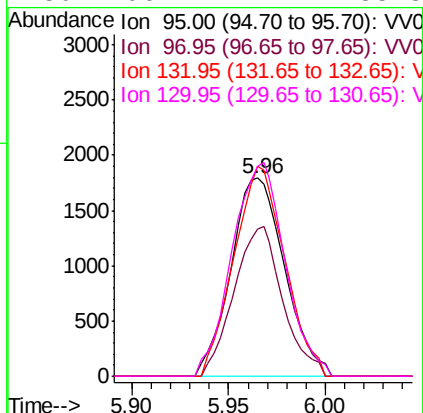
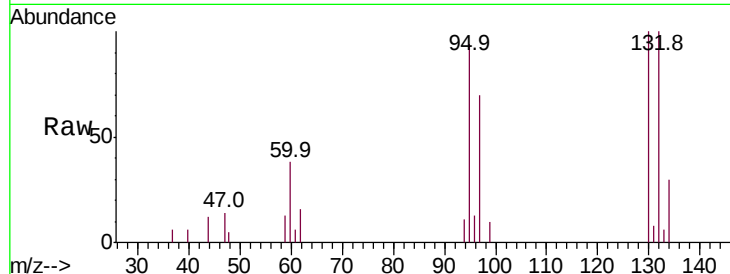




#34
 Trichloroethene
 Concen: 0.495 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV007977.D
 Acq: 29 Sep 2018 02:18

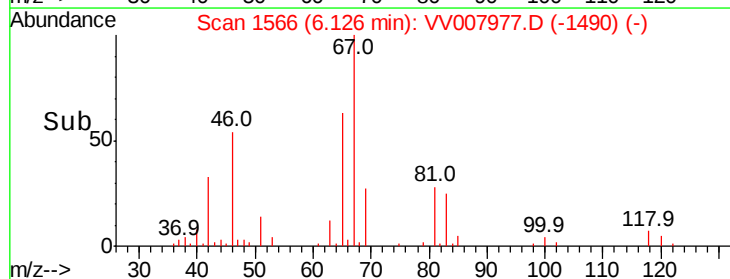
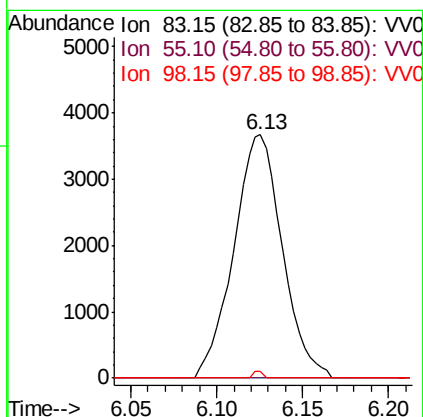
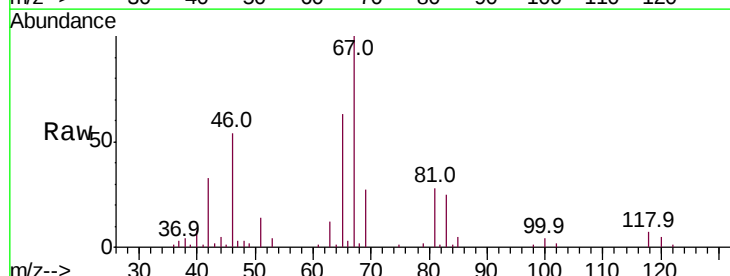
Instrument :
 MSVOA_V
 ClientSampleId :
 GAC87

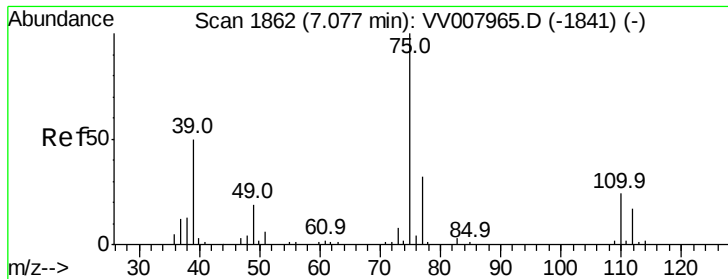
Tot Ion: 95 Resp: 3464
 Ion Ratio Lower Upper
 95 100
 97 74.4 43.6 81.0
 132 105.8 69.9 129.9
 130 106.2 71.7 133.3



#35
 Methylcyclohexane
 Concen: 0.686 ug/L
 RT: 6.13 min Scan# 1566
 Delta R.T. -0.05 min
 Lab File: VV007977.D
 Acq: 29 Sep 2018 02:18

Tgt Ion: 83 Resp: 7202
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.2 93.2#
 98 0.6 38.0 57.0#





#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV007977.D

Acq: 29 Sep 2018 02:18

Instrument :

MSVOA_V

ClientSampleId :

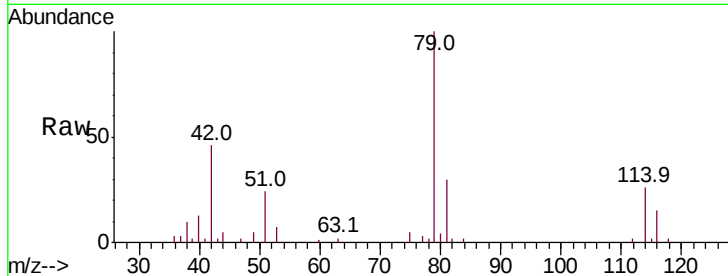
GAC87

Tot Ion: 75 Resp: 724

Ion Ratio Lower Upper

75 100

77 49.9 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VV007965.D (-1841) (-)

Ion 77.05 (76.75 to 77.75): VV007965.D (-1841) (-)

7.04

400

300

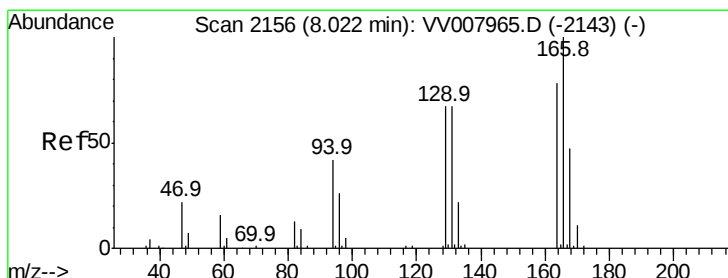
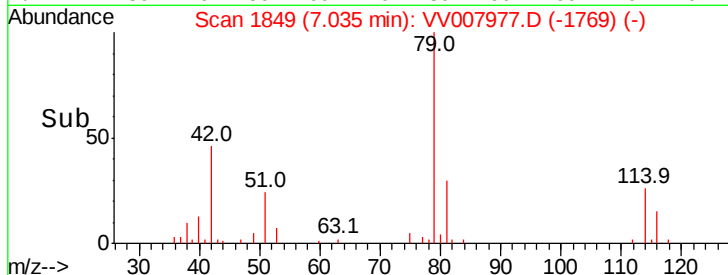
200

100

0

7.00 7.02 7.04 7.06

Time-->



#47

Tetrachloroethene

Concen: 0.838 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV007977.D

Acq: 29 Sep 2018 02:18

Tgt Ion: 164 Resp: 5436

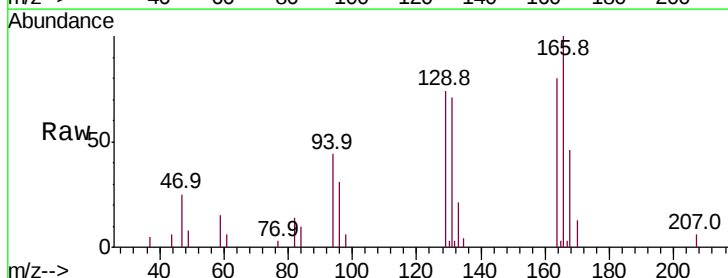
Ion Ratio Lower Upper

164 100

129 92.0 59.2 110.0

131 89.1 57.1 106.1

166 124.9 88.6 164.6



Abundance Ion 163.90 (163.60 to 164.60): VV007965.D (-2143) (-)

Ion 128.95 (128.65 to 129.65): VV007965.D (-2143) (-)

Ion 130.95 (130.65 to 131.65): VV007965.D (-2143) (-)

Ion 165.90 (165.60 to 166.60): VV007965.D (-2143) (-)

6000

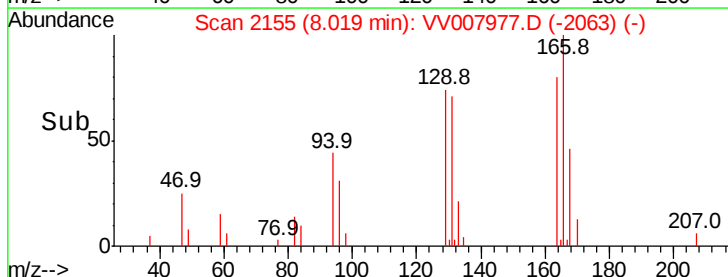
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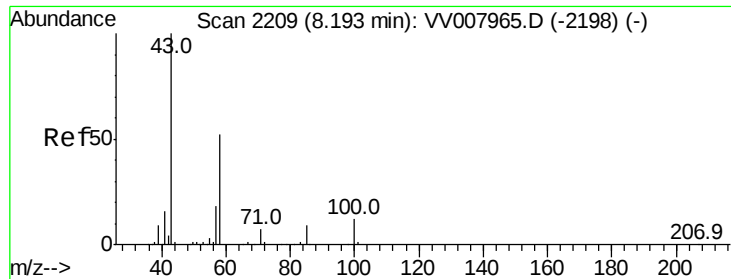
2000

0

8.00 8.02 8.05

Time-->

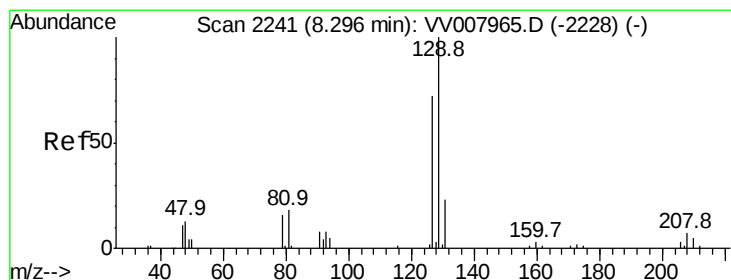
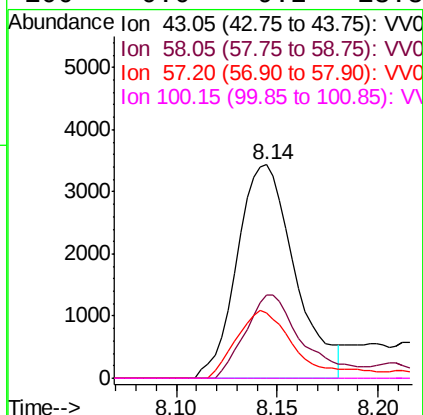
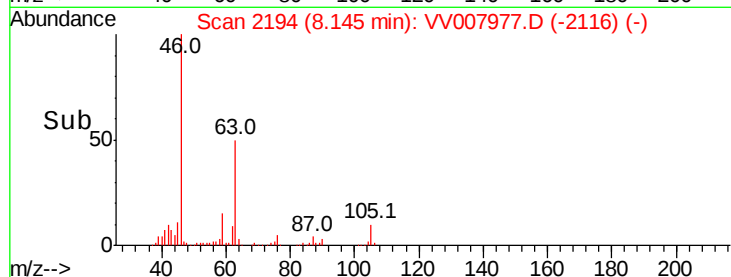
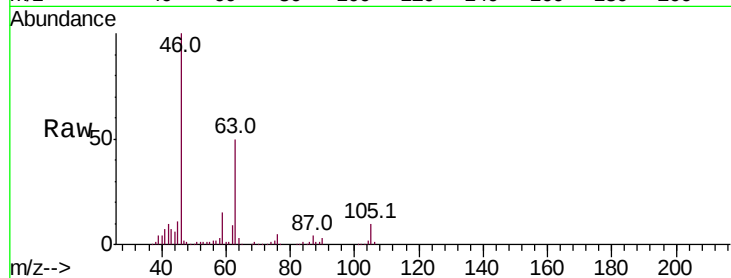




#48
2-Hexanone
Concen: 2.521 ug/L
RT: 8.14 min Scan# 2194
Delta R.T. -0.05 min
Lab File: VV007977.D
Acq: 29 Sep 2018 02:18

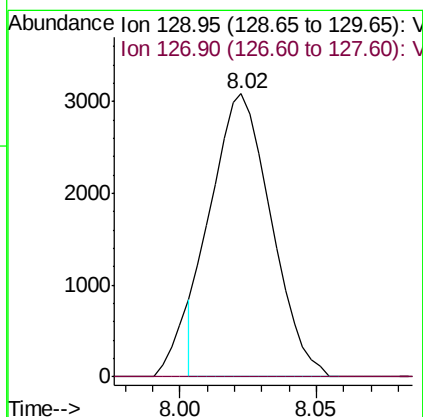
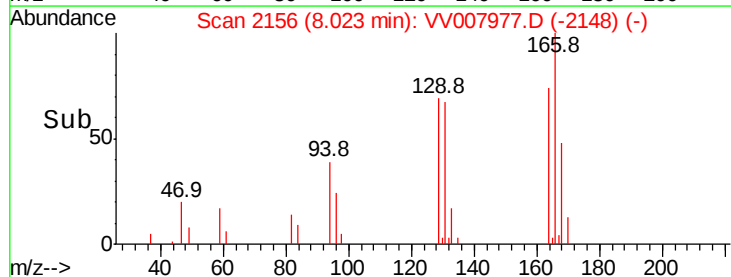
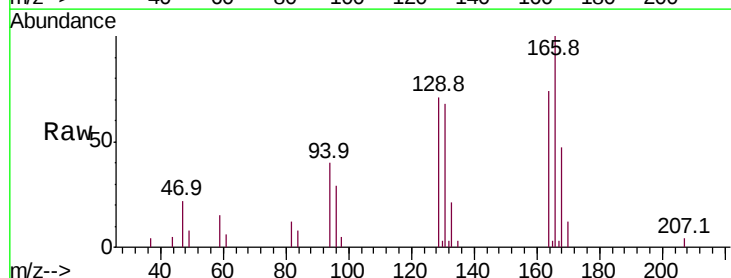
Instrument :
MSVOA_V
ClientSampleId :
GAC87

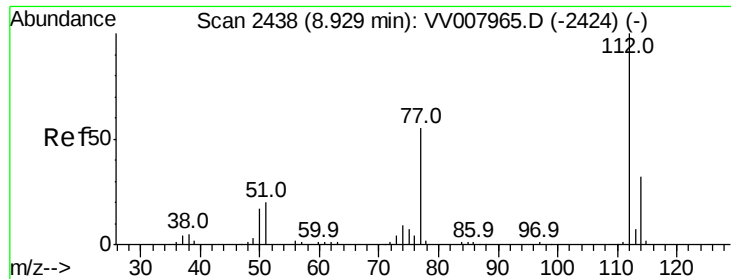
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Ion Ratio Lower Upper
43 100
58 39.1 41.9 62.9#
57 33.0 14.3 21.5#
100 0.0 9.2 13.8#



#49
Dibromochloromethane
Concen: 0.915 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. -0.27 min
Lab File: VV007977.D
Acq: 29 Sep 2018 02:18

Tgt Ion: 129 Resp: 4712
Ion Ratio Lower Upper
129 100
127 0.0 53.1 98.5#





#51

Chlorobenzene

Concen: 0.151 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV007977.D

Acq: 29 Sep 2018 02:18

Instrument :

MSVOA_V

ClientSampleId :

GAC87

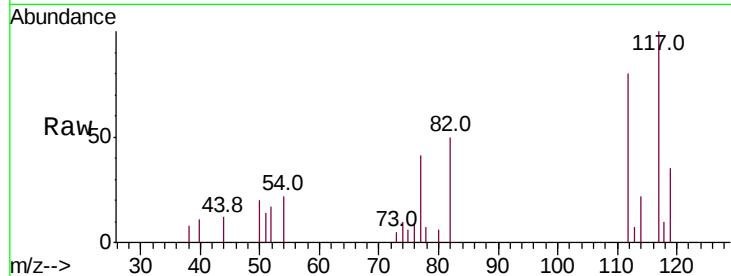
Tot Ion:112 Resp: 2770

Ion Ratio Lower Upper

112 100

114 25.9 22.4 41.6

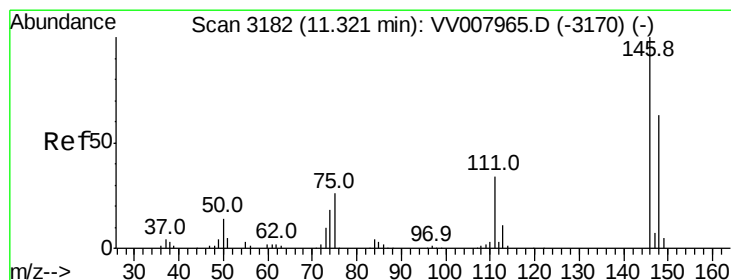
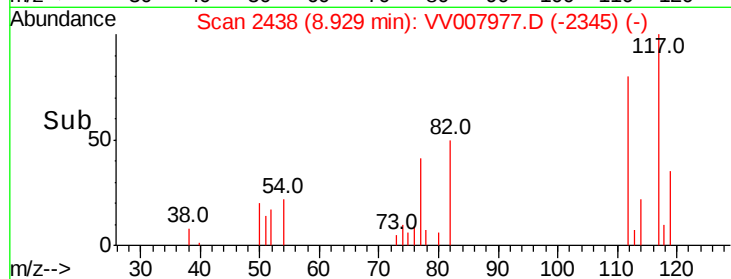
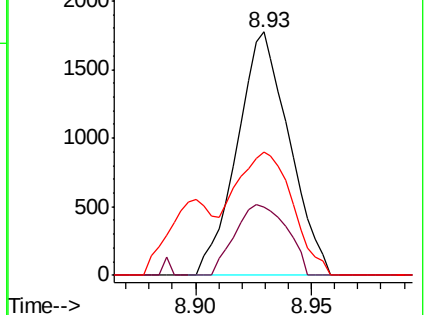
77 46.8 45.0 67.6



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



#63

1,4-Dichlorobenzene

Concen: 0.134 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV007977.D

Acq: 29 Sep 2018 02:18

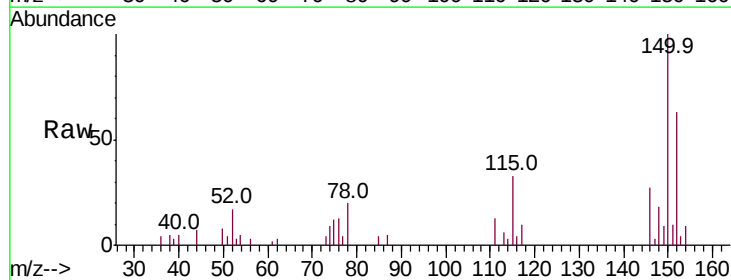
Tgt Ion:146 Resp: 1902

Ion Ratio Lower Upper

146 100

111 48.4 25.3 47.1#

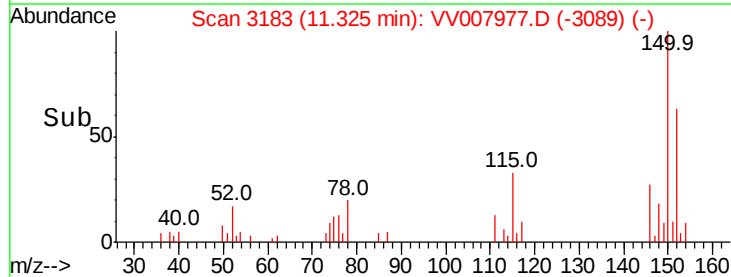
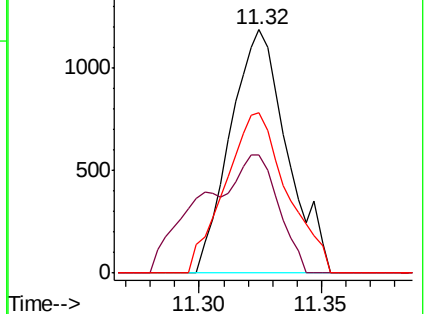
148 65.7 44.7 82.9

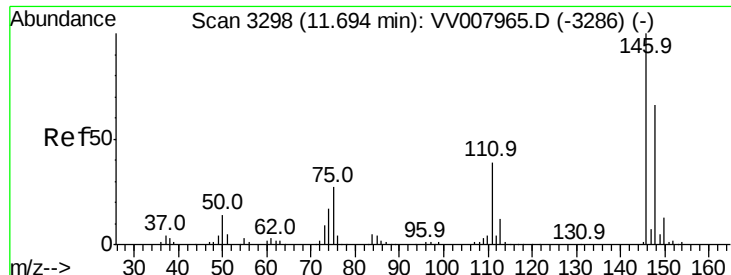


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65
 1,2-Dichlorobenzene
 Concen: 0.107 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV007977.D
 Acq: 29 Sep 2018 02:18

Instrument :
 MSVOA_V
 ClientSampleId :
 GAC87

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	31.2	46.8
148	68.2	50.3	75.5

