

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092818\
 Data File : VV007983.D
 Acq On : 29 Sep 2018 05:01
 Operator : SY/MD
 Sample : J5159-07
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAC93

Quant Time: Oct 01 04:58:34 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	84432	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	80461	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	39071	5.00	ug/L	0.00

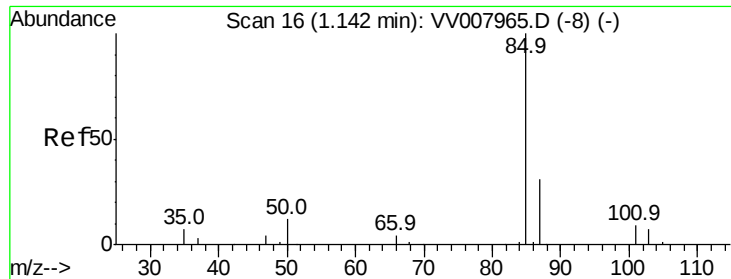
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	16665	3.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	1.59	69	17670	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.14	63	29192	2.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.20%#
20) 2-Butanone-d5	3.96	46	66248	48.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.32%
24) Chloroform-d	4.41	84	45912	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.09	65	25285	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
32) Benzene-d6	5.10	84	85563	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.13	67	28266	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.36	98	78067	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
43) trans-1,3-Dichloropropene-	7.67	79	8859	3.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.60%
46) 2-Hexanone-d5	8.14	63	47647	46.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.08%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	20923	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	33404	4.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	8465	1.195	ug/L	100
8) Chloroethane	1.60	64	340	0.084	ug/L #	73
9) Trichlorofluoromethane	1.77	101	7549	0.686	ug/L	97
16) Methylene chloride	2.54	84	860	0.139	ug/L	91
19) 1,1-Dichloroethane	3.23	63	23203	2.210	ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	4515	0.725	ug/L	99
25) Chloroform	4.44	83	1104	0.097	ug/L	91
29) 1,1,1-Trichloroethane	4.66	97	2277	0.235	ug/L	98
34) Trichloroethene	5.96	95	4415	0.669	ug/L	93
35) Methylcyclohexane	6.12	83	7424	0.750	ug/L #	19
39) cis-1,3-Dichloropropene	7.04	75	641	0.081	ug/L #	42
45) 1,1,2-Trichloroethane	8.02	97	618	0.145	ug/L #	1
47) Tetrachloroethene	8.02	164	93671	15.323	ug/L	95
49) Dibromochloromethane	8.02	129	76338	15.743	ug/L #	12

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



#2

Dichlorodifluoromethane

Concen: 1.195 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV007983.D

Acq: 29 Sep 2018 05:01

Instrument :

MSVOA_V

ClientSampleId :

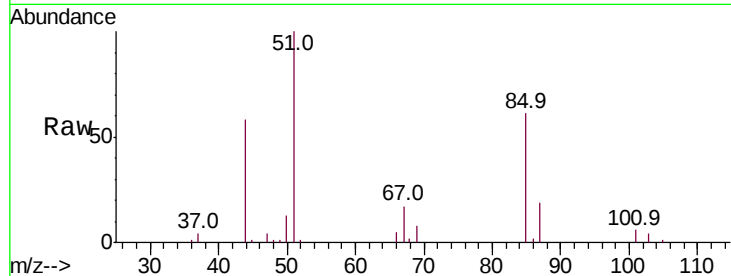
GAC93

Tot Ion: 85 Resp: 8465

Ion Ratio Lower Upper

85 100

87 31.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV007965.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007965.D (-8) (-)

1.14

8000

6000

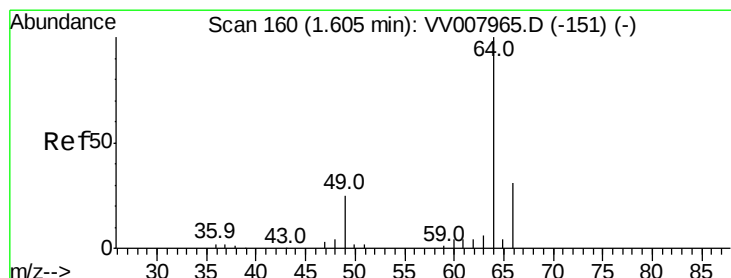
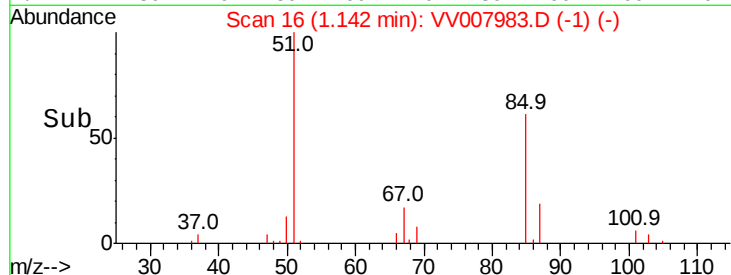
4000

2000

0

Time-->

1.10 1.15 1.20



#8

Chloroethane

Concen: 0.084 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV007983.D

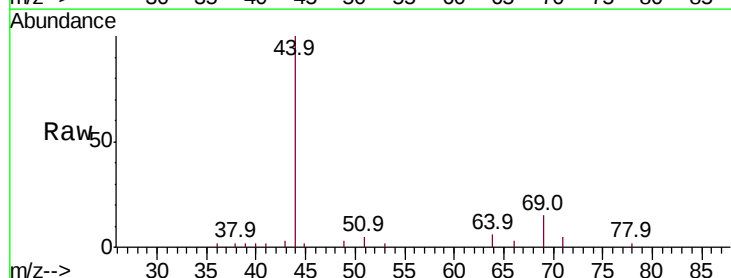
Acq: 29 Sep 2018 05:01

Tgt Ion: 64 Resp: 340

Ion Ratio Lower Upper

64 100

66 48.1 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VV007965.D (-151) (-)

Ion 66.05 (65.75 to 66.75): VV007965.D (-151) (-)

1.60

300

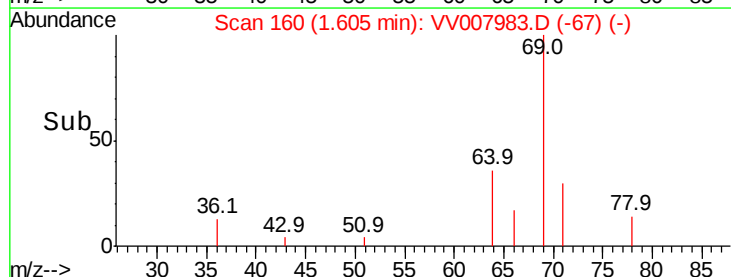
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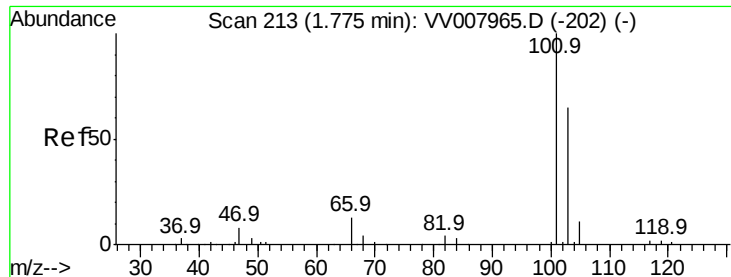
100

0

Time-->

1.58 1.60 1.62



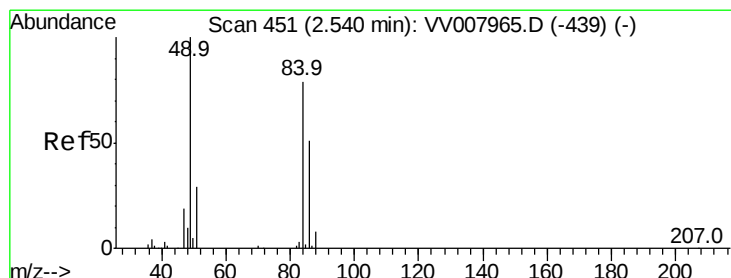
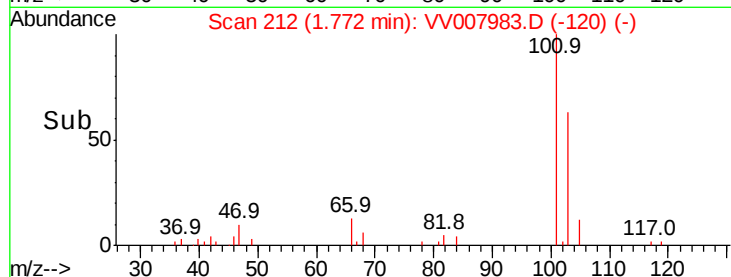
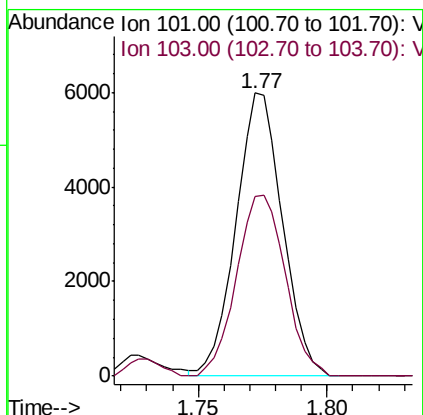
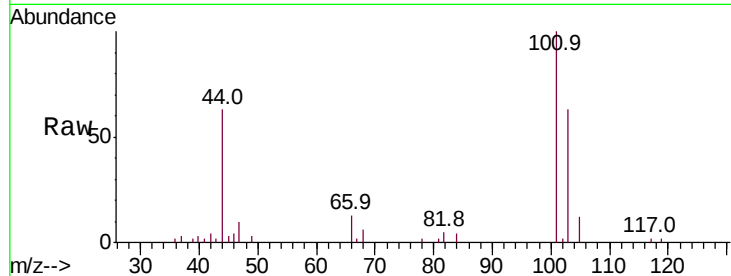


#9

Trichlorofluoromethane
Concen: 0.686 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV007983.D
Acq: 29 Sep 2018 05:01

Instrument :
MSVOA_V
ClientSampleId :
GAC93

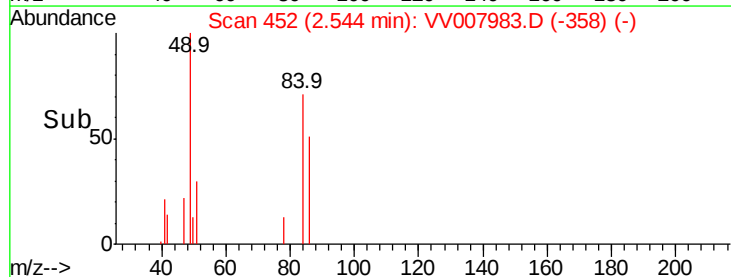
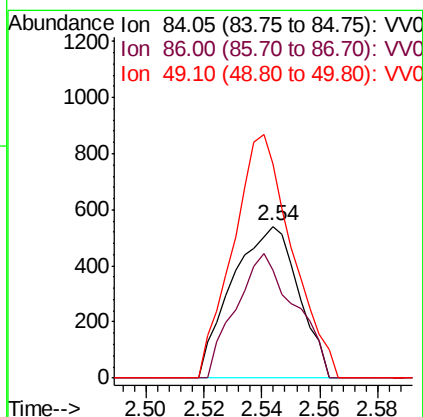
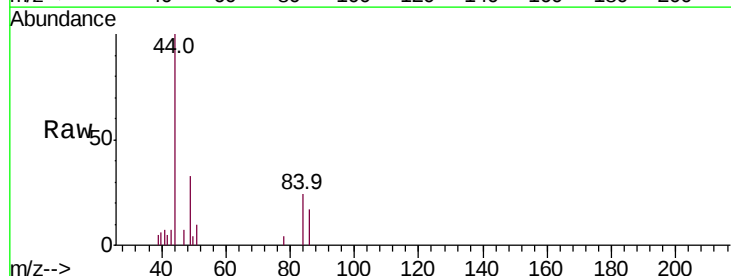
Tot Ion:101 Resp: 7549
Ion Ratio Lower Upper
101 100
103 67.0 51.5 77.3

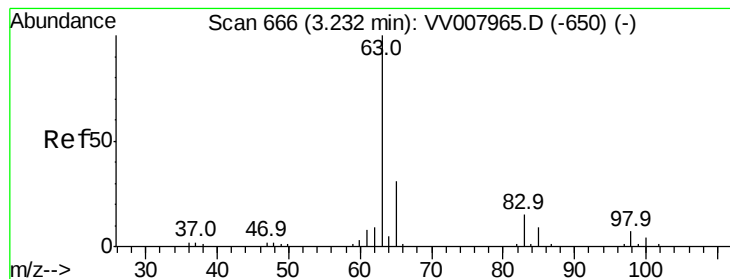


#16

Methylene chloride
Concen: 0.139 ug/L
RT: 2.54 min Scan# 452
Delta R.T. 0.00 min
Lab File: VV007983.D
Acq: 29 Sep 2018 05:01

Tgt Ion: 84 Resp: 860
Ion Ratio Lower Upper
84 100
86 71.4 47.3 87.8
49 141.1 90.0 167.2

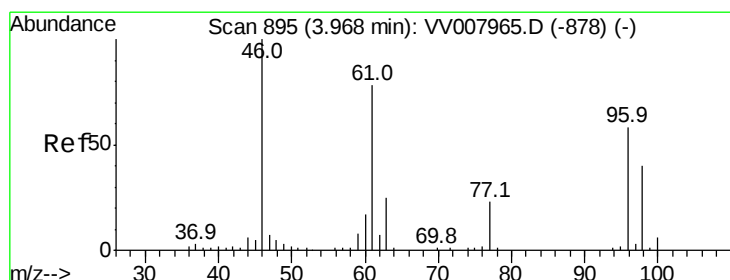
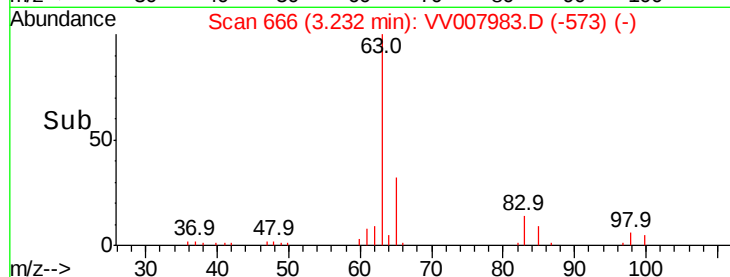
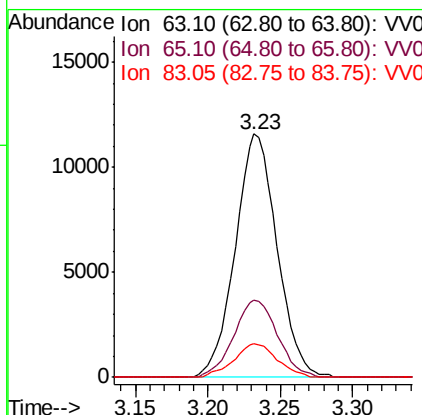
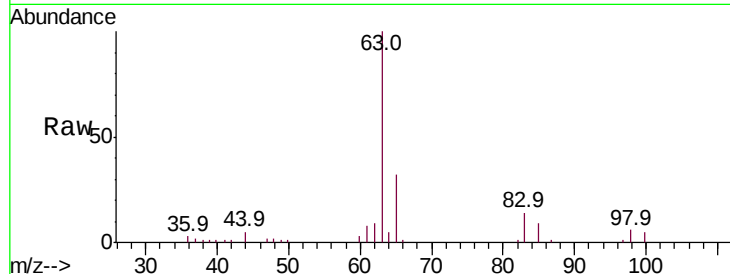




#19
 1,1-Dichloroethane
 Concen: 2.210 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV007983.D
 Acq: 29 Sep 2018 05:01

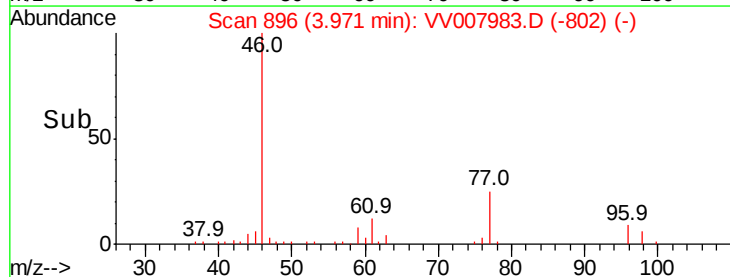
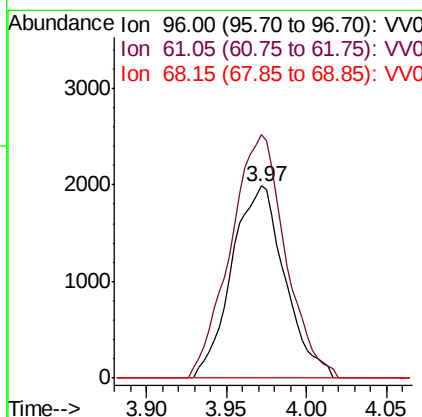
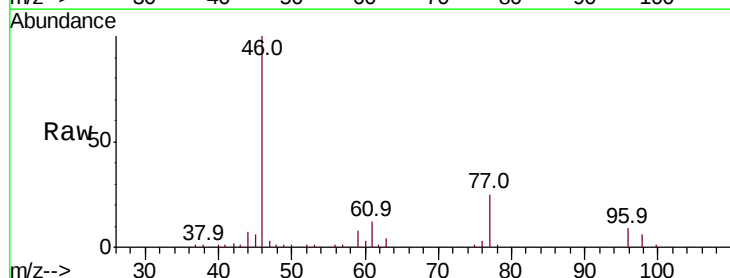
Instrument :
 MSVOA_V
 ClientSampled :
 GAC93

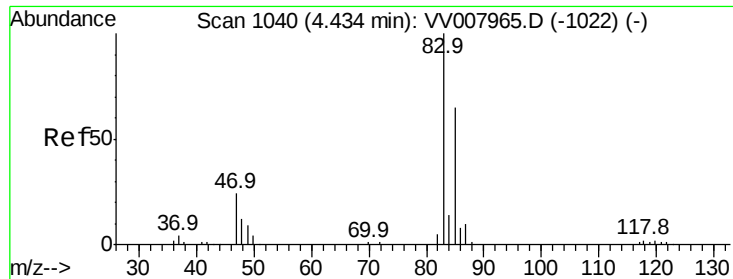
Tot Ion: 63 Resp: 23203
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.5
 83 13.8 9.8 18.2



#22
 cis-1,2-Dichloroethene
 Concen: 0.725 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VV007983.D
 Acq: 29 Sep 2018 05:01

Tgt Ion: 96 Resp: 4515
 Ion Ratio Lower Upper
 96 100
 61 126.7 89.5 166.1
 68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.097 ug/L

RT: 4.44 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VV007983.D

Acq: 29 Sep 2018 05:01

Instrument :

MSVOA_V

ClientSampleId :

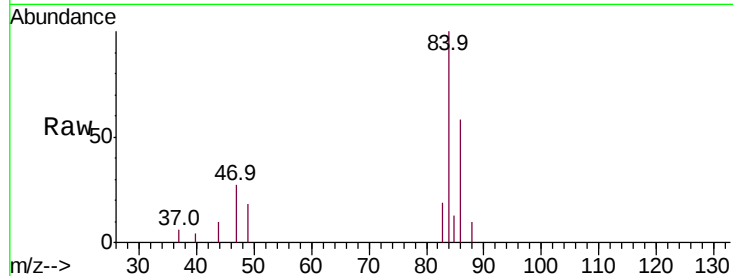
GAC93

Tot Ion: 83 Resp: 1104

Ion Ratio Lower Upper

83 100

85 70.7 44.8 83.2

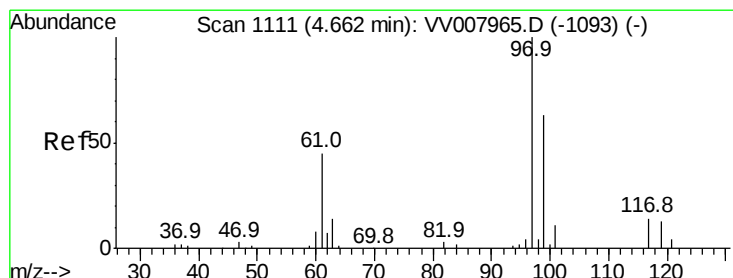
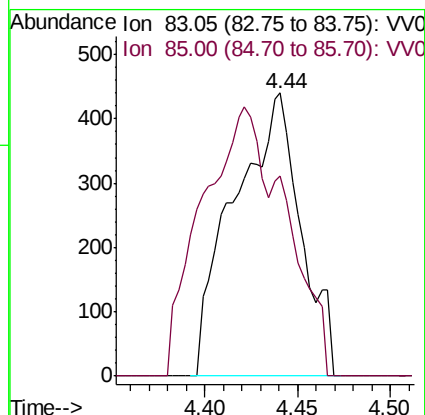
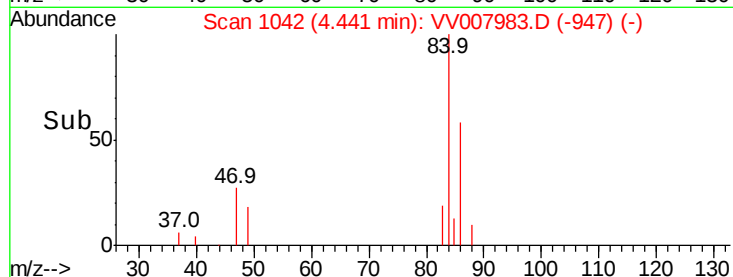


Abundance Ion 83.05 (82.75 to 83.75): VV007965.D (-1022) (-)

Ion 85.00 (84.70 to 85.70): VV007965.D (-1022) (-)

4.44

4.40 4.45 4.50



#29

1,1,1-Trichloroethane

Concen: 0.235 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV007983.D

Acq: 29 Sep 2018 05:01

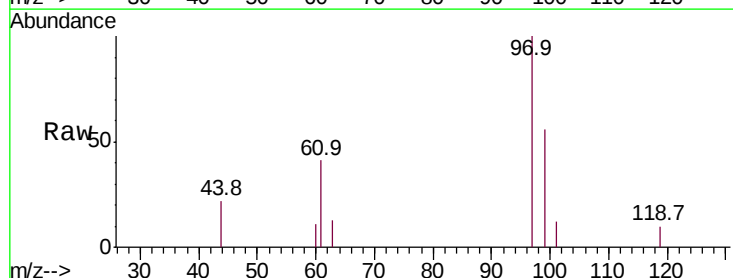
Tgt Ion: 97 Resp: 2277

Ion Ratio Lower Upper

97 100

99 63.8 51.2 76.8

61 40.8 34.6 52.0



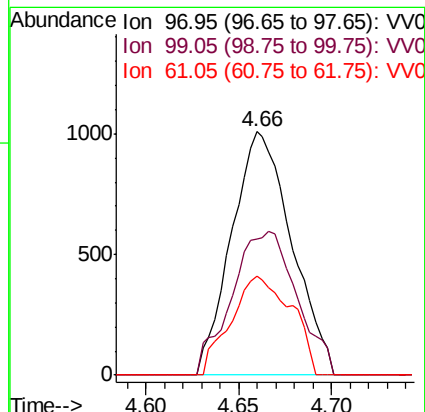
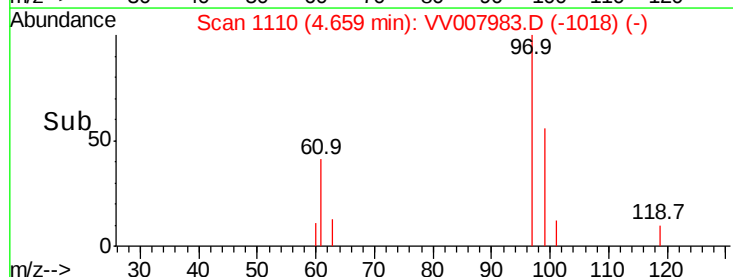
Abundance Ion 96.95 (96.65 to 97.65): VV007965.D (-1093) (-)

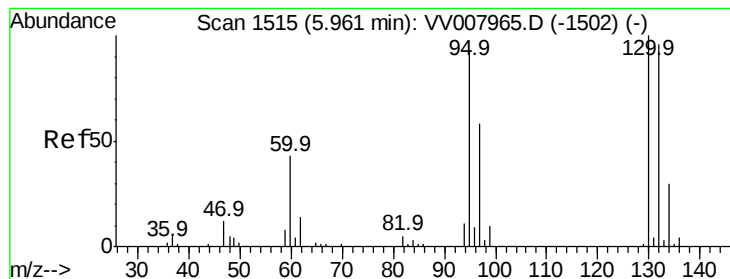
Ion 99.05 (98.75 to 99.75): VV007965.D (-1093) (-)

Ion 61.05 (60.75 to 61.75): VV007965.D (-1093) (-)

4.66

4.60 4.65 4.70





#34

Trichloroethene

Concen: 0.669 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007983.D

Acq: 29 Sep 2018 05:01

Instrument :

MSVOA_V

ClientSampleId :

GAC93

Tot Ion: 95 Resp: 4415

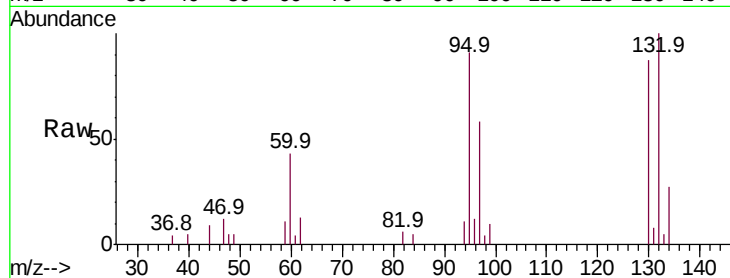
Ion Ratio Lower Upper

95 100

97 63.9 43.6 81.0

132 109.8 69.9 129.9

130 95.2 71.7 133.3

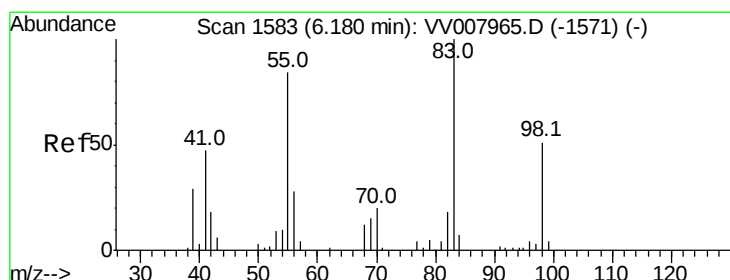
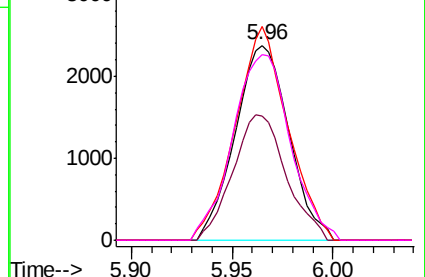
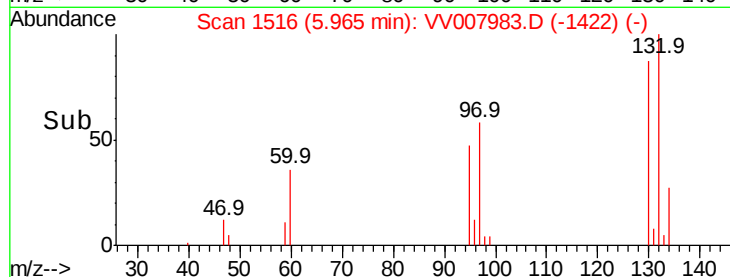


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.750 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.06 min

Lab File: VV007983.D

Acq: 29 Sep 2018 05:01

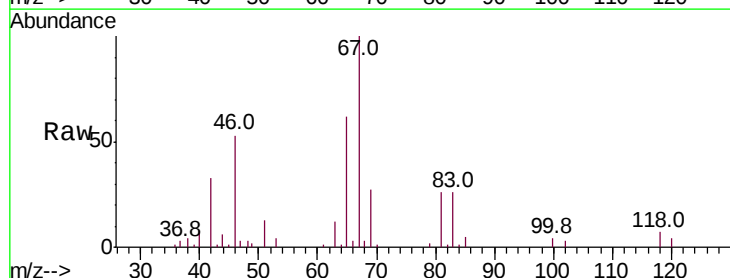
Tgt Ion: 83 Resp: 7424

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.2#

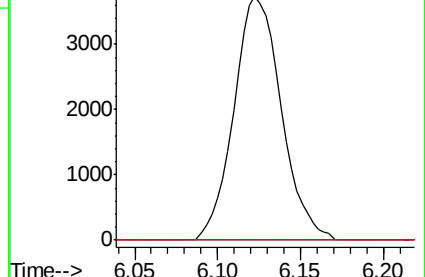
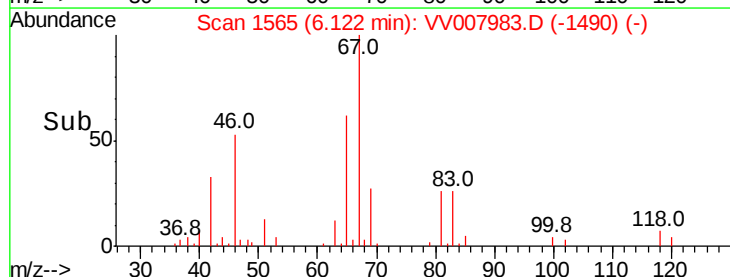
98 2.0 38.0 57.0#

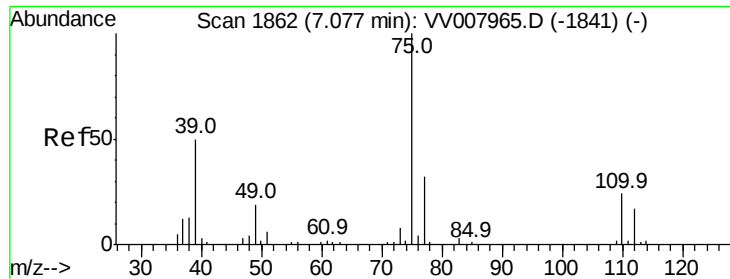


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#39

cis-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV007983.D

Acq: 29 Sep 2018 05:01

Instrument :

MSVOA_V

ClientSampleId :

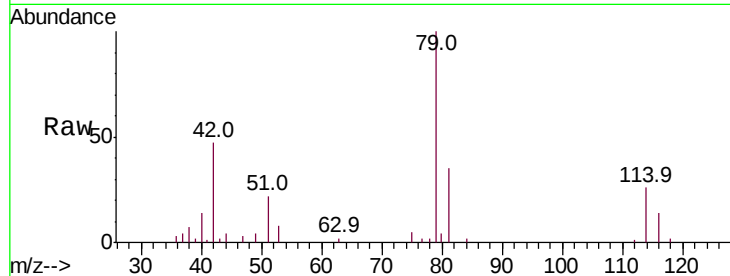
GAC93

Tot Ion: 75 Resp: 641

Ion Ratio Lower Upper

75 100

77 0.0 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

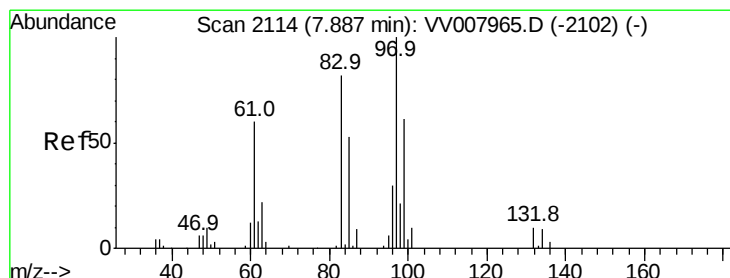
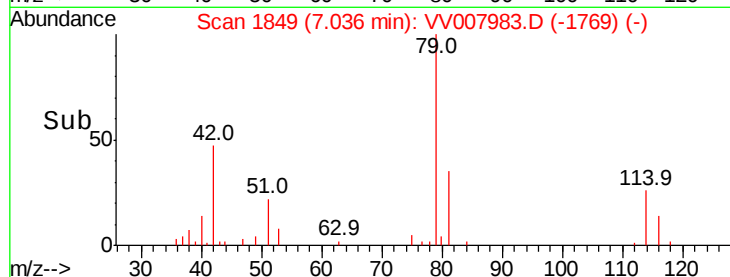
200

100

0

7.00 7.02 7.04 7.06

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.145 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.14 min

Lab File: VV007983.D

Acq: 29 Sep 2018 05:01

Tgt Ion: 97 Resp: 618

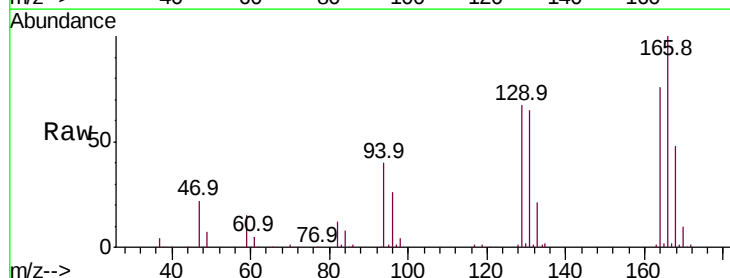
Ion Ratio Lower Upper

97 100

99 0.0 43.5 80.9#

83 264.2 59.7 110.9#

85 33.1 39.5 73.3#



Abundance Ion 96.95 (96.65 to 97.65): VV007965.D (-2102) (-)

Ion 99.05 (98.75 to 99.75): VV007965.D (-2102) (-)

Ion 82.95 (82.65 to 83.65): VV007965.D (-2102) (-)

Ion 85.00 (84.70 to 85.70): VV007965.D (-2102) (-)

1500

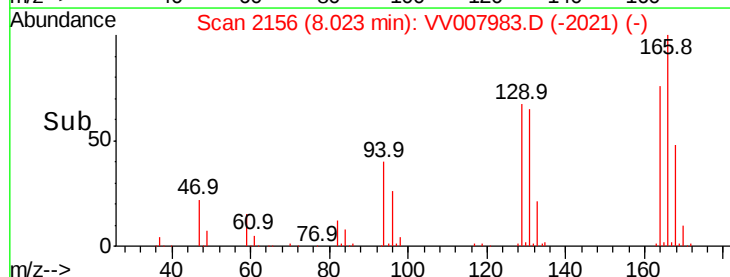
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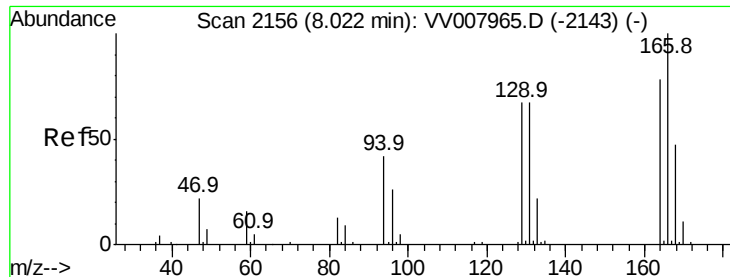
500

0

7.98 8.00 8.02 8.04

Time-->





#47

Tetrachloroethene

Concen: 15.323 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV007983.D

Acq: 29 Sep 2018 05:01

Instrument :

MSVOA_V

ClientSampleId :

GAC93

Tot Ion:164 Resp: 93671

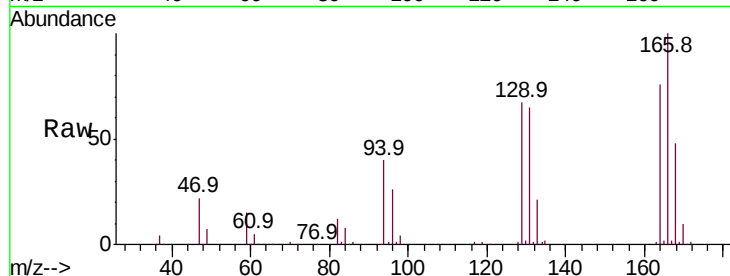
Ion Ratio Lower Upper

164 100

129 89.1 59.2 110.0

131 86.2 57.1 106.1

166 132.1 88.6 164.6

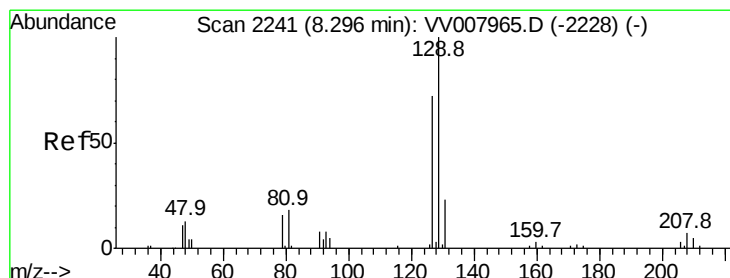
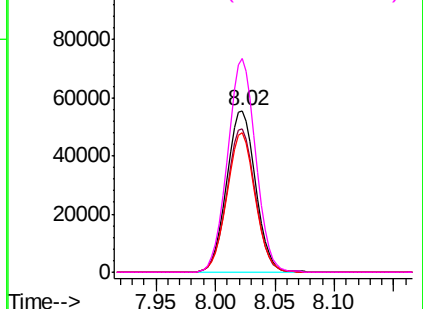
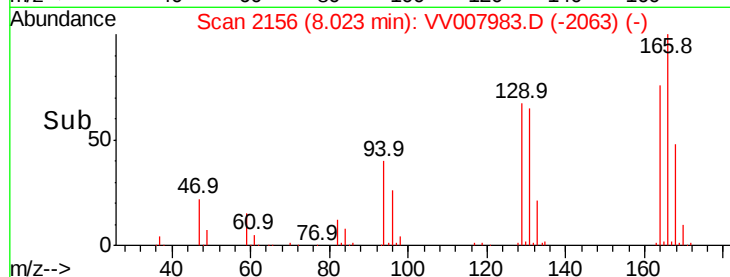


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 15.743 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.27 min

Lab File: VV007983.D

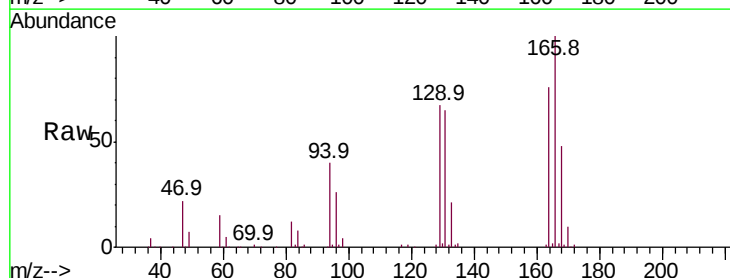
Acq: 29 Sep 2018 05:01

Tgt Ion:129 Resp: 76338

Ion Ratio Lower Upper

129 100

127 0.0 53.1 98.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

