

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101818\
 Data File : VV008350.D
 Acq On : 18 Oct 2018 18:51
 Operator : SY/MD
 Sample : J5464-03DL 25X
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 05:29:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 05:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	108907	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	99768	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	40902	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24282	3.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.00%
7) Chloroethane-d5	1.59	69	21153	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.13	63	39989	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	3.98	46	96573	46.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.56%
24) Chloroform-d	4.41	84	56768	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	5.09	65	30000	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
32) Benzene-d6	5.10	84	122626	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
36) 1,2-Dichloropropane-d6	6.12	67	42187	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.40%
41) Toluene-d8	7.36	98	109096	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	7.67	79	14979	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
46) 2-Hexanone-d5	8.14	63	60721	43.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.58%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	25296	3.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	34087	4.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.80%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	6312	0.779	ug/L 85
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	11660	2.074	ug/L 95
12) 1,1-Dichloroethene	2.14	96	1741	0.333	ug/L # 1
15) Methyl Acetate	2.49	43	410	0.148	ug/L # 50
16) Methylene chloride	2.54	84	1039	0.172	ug/L 85
22) cis-1,2-Dichloroethene	3.96	96	53591	5.897	ug/L # 99
34) Trichloroethene	5.96	95	54803	5.882	ug/L 94
35) Methylcyclohexane	6.12	83	9351	0.595	ug/L # 18
37) 1,2-Dichloropropane	6.12	63	4551	0.502	ug/L # 90
39) cis-1,3-Dichloropropene	7.04	75	1086	0.084	ug/L # 82
47) Tetrachloroethene	8.02	164	38417	6.581	ug/L 95
48) 2-Hexanone	8.20	43	19123	4.709	ug/L # 81
49) Dibromochloromethane	8.02	129	36763	5.727	ug/L # 10
63) 1,4-Dichlorobenzene	11.32	146	2202	0.161	ug/L 97
65) 1,2-Dichlorobenzene	11.70	146	12086	0.911	ug/L 94

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 19 05:24:39 2018
Response via : Initial Calibration

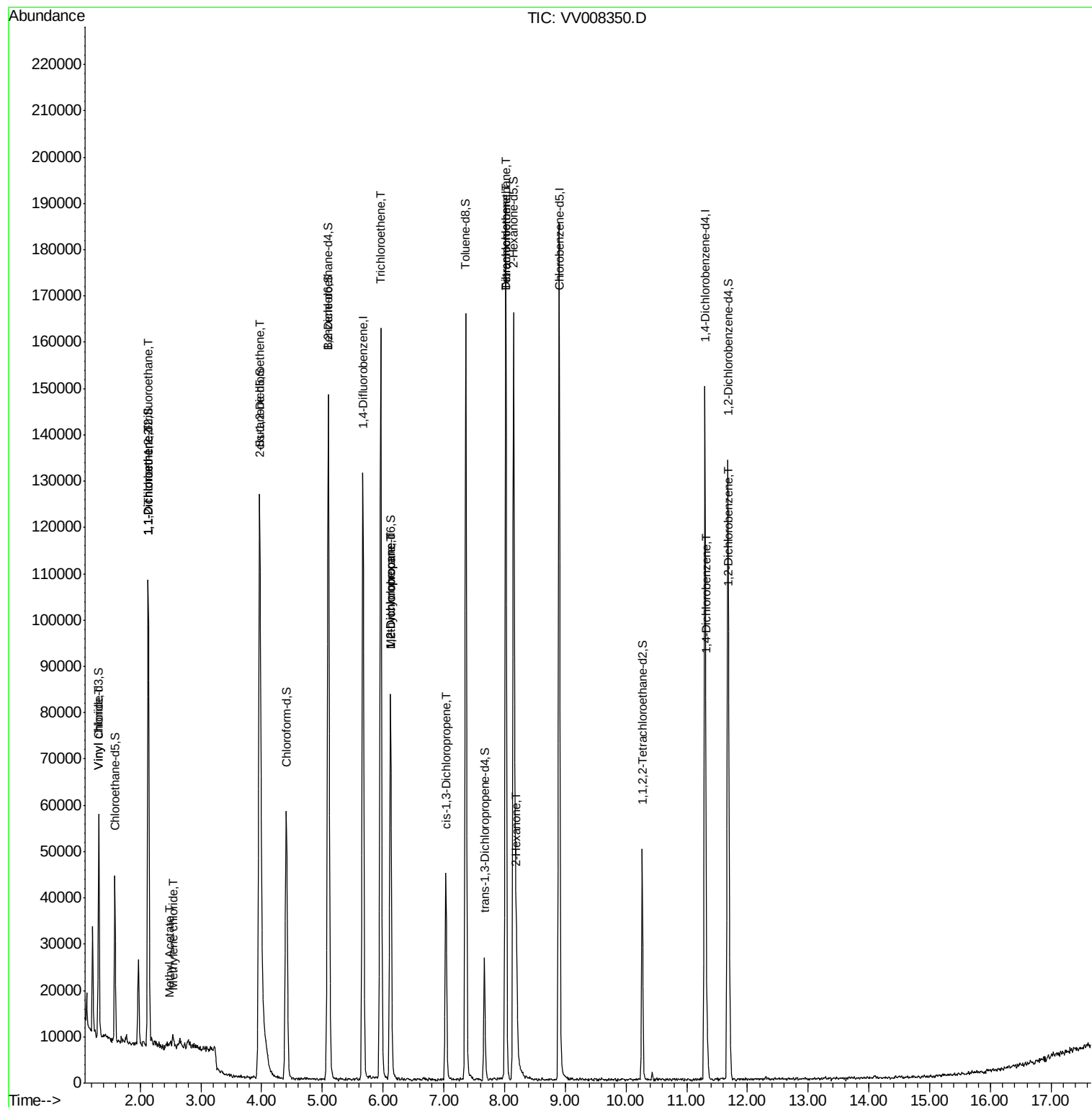
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

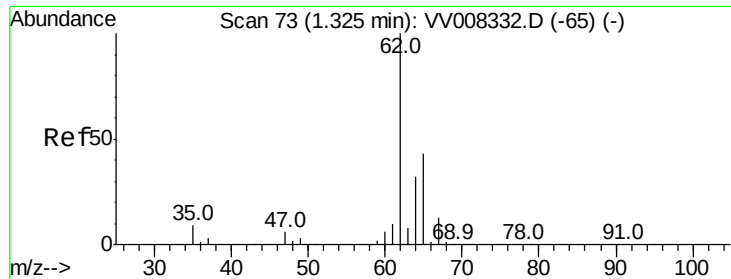
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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QLast Update : Fri Oct 19 05:24:39 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.779 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008350.D

Acq: 18 Oct 2018 18:51

Instrument :

MSVOA_V

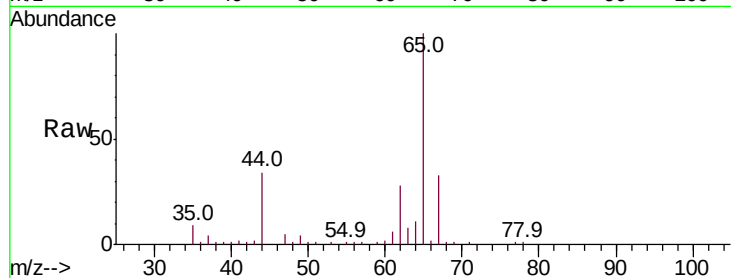
ClientSampleId :

Tot Ion: 62 Resp: 6312

Ion Ratio Lower Upper

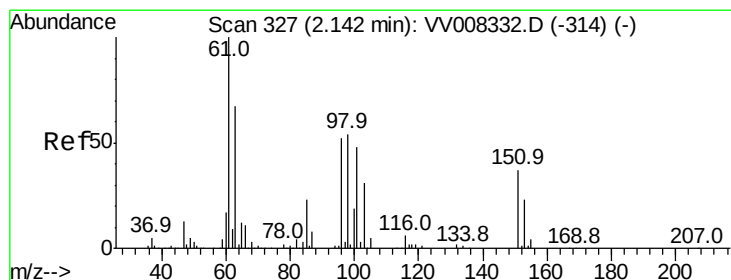
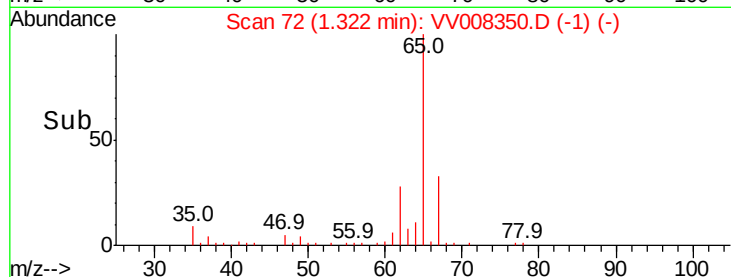
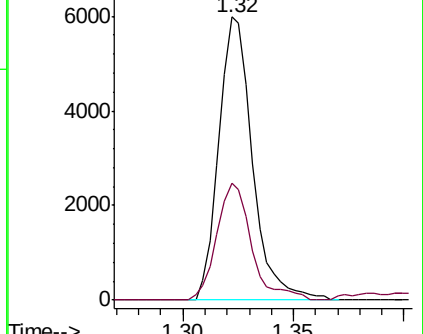
62 100

64 41.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV008332.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008332.D (-65) (-)



#10

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

Concen: 2.074 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008350.D

Acq: 18 Oct 2018 18:51

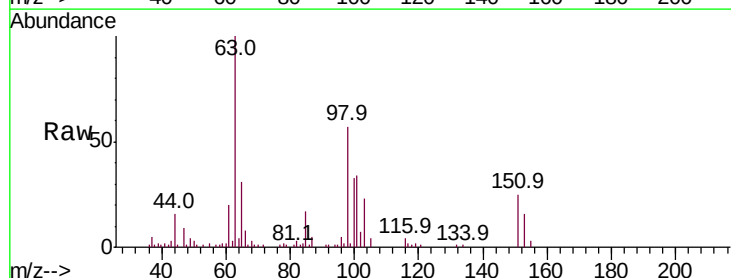
Tgt Ion: 101 Resp: 11660

Ion Ratio Lower Upper

101 100

85 51.2 37.4 56.2

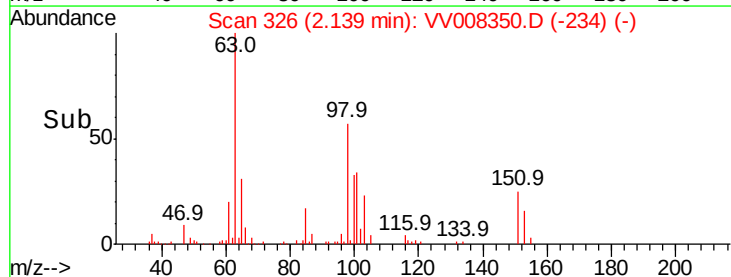
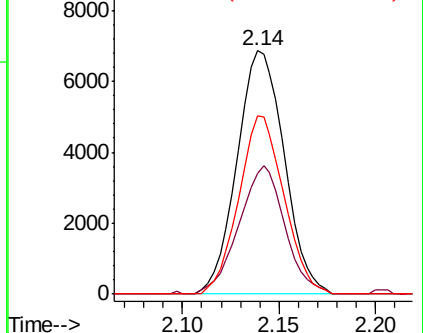
151 69.8 59.0 88.6

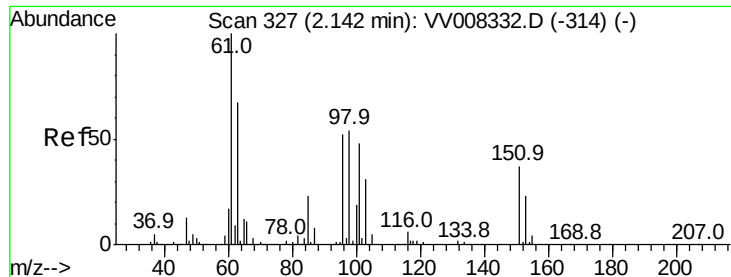


Abundance Ion 101.00 (100.70 to 101.70): VV008332.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV008332.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV008332.D (-314) (-)

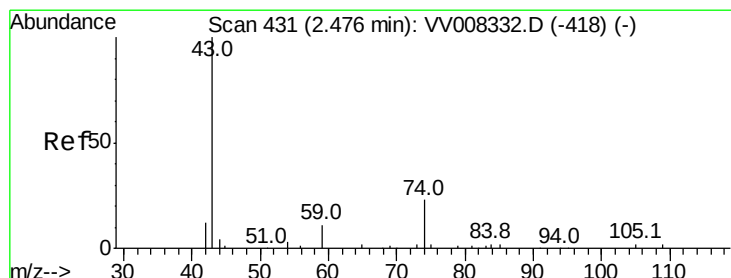
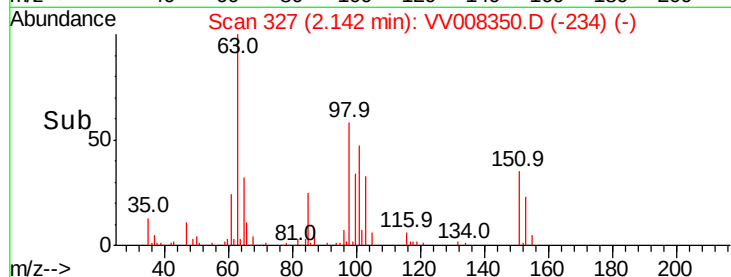
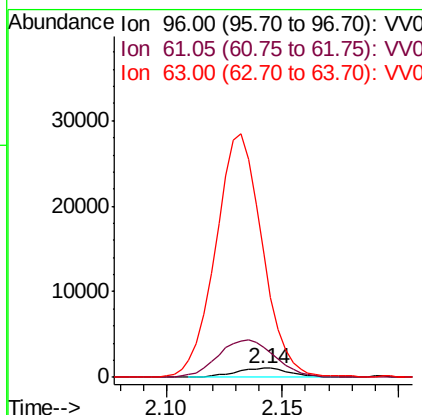
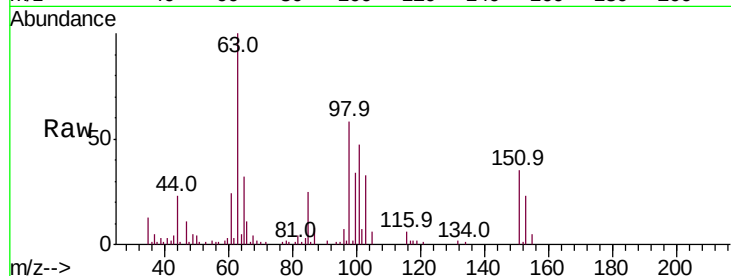




#12
 1,1-Dichloroethene
 Concen: 0.333 ug/L
 RT: 2.14 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VV008350.D
 Acq: 18 Oct 2018 18:51

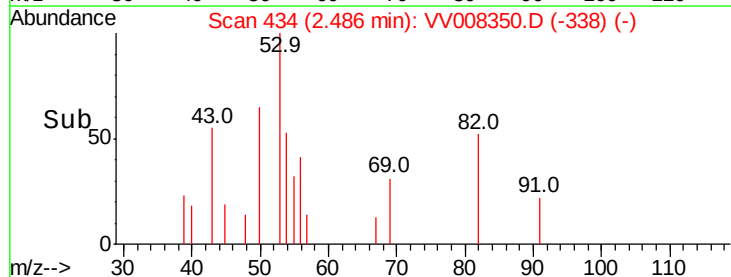
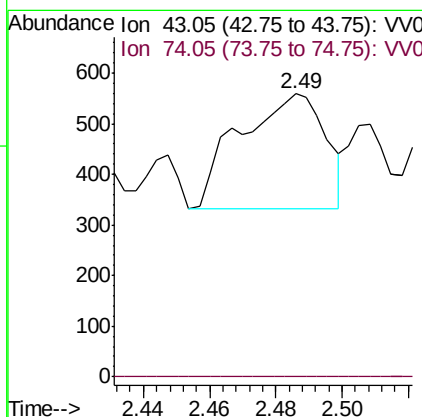
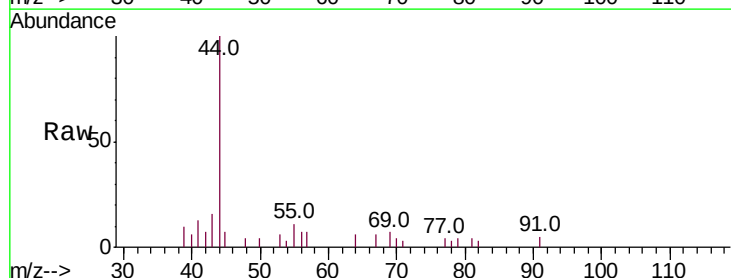
Instrument :
 MSVOA_V
 ClientSampled :

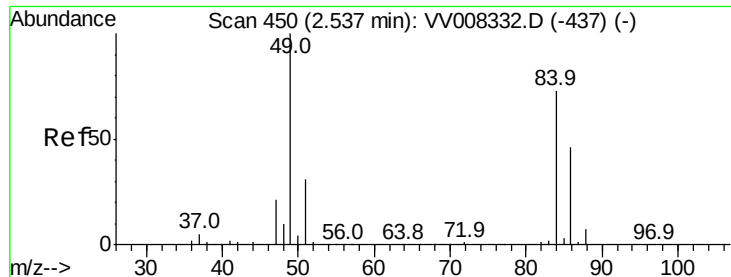
Tot Ion: 96 Resp: 1741
 Ion Ratio Lower Upper
 96 100
 61 331.8 129.9 241.3#
 63 1358.9 103.0 191.4#



#15
 Methyl Acetate
 Concen: 0.148 ug/L
 RT: 2.49 min Scan# 434
 Delta R.T. 0.01 min
 Lab File: VV008350.D
 Acq: 18 Oct 2018 18:51

Tgt Ion: 43 Resp: 410
 Ion Ratio Lower Upper
 43 100
 74 0.0 20.0 30.0#

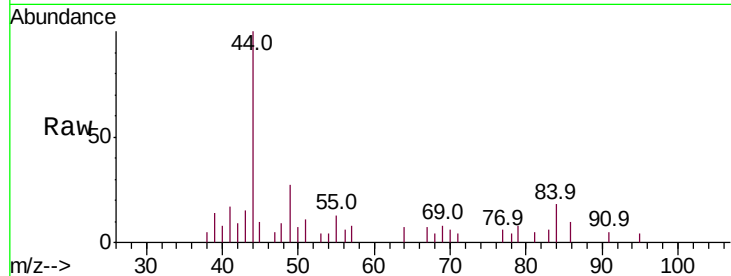




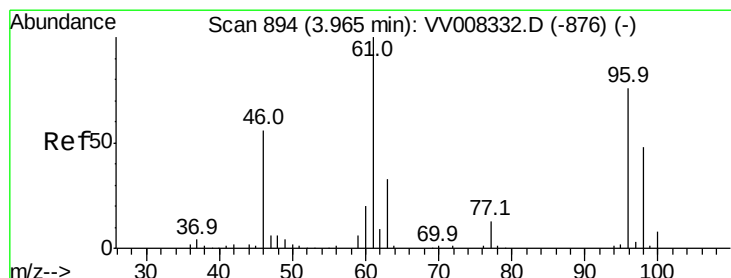
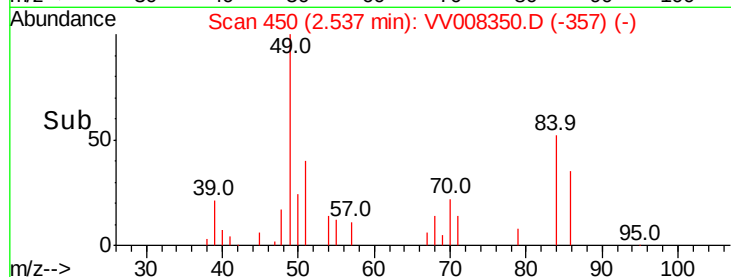
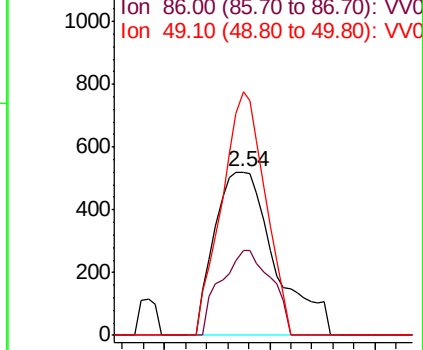
#16
Methylene chloride
Concen: 0.172 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV008350.D
Acq: 18 Oct 2018 18:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 84 Resp: 1039
Ion Ratio Lower Upper
84 100
86 52.1 45.0 83.6
49 149.2 92.9 172.5

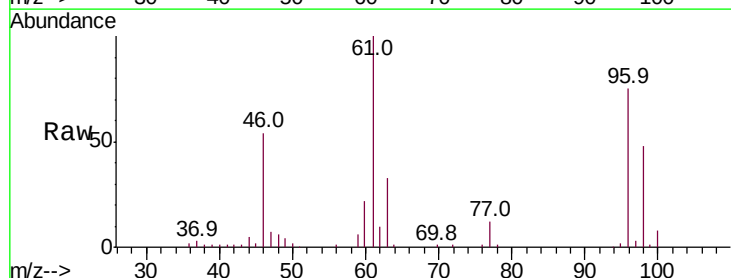


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

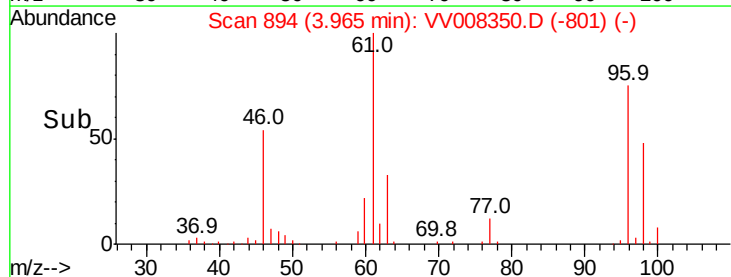
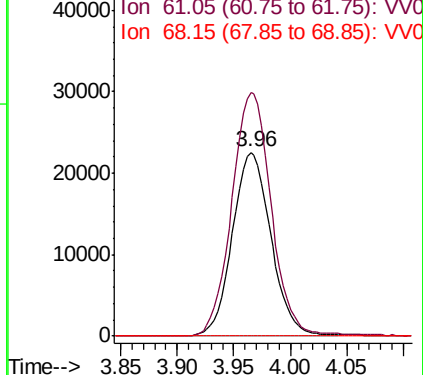


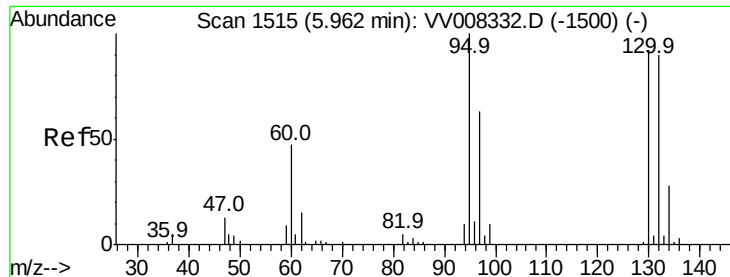
#22
cis-1,2-Dichloroethene
Concen: 5.897 ug/L
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VV008350.D
Acq: 18 Oct 2018 18:51

Tgt Ion: 96 Resp: 53591
Ion Ratio Lower Upper
96 100
61 132.7 93.7 174.1
68 0.0 0.6 1.2#



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





#34

Trichloroethene

Concen: 5.882 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008350.D

Acq: 18 Oct 2018 18:51

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 54803

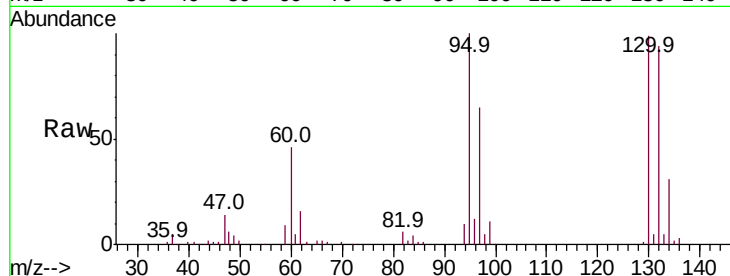
Ion Ratio Lower Upper

95 100

97 65.3 44.4 82.4

132 93.9 60.4 112.2

130 99.0 65.5 121.7

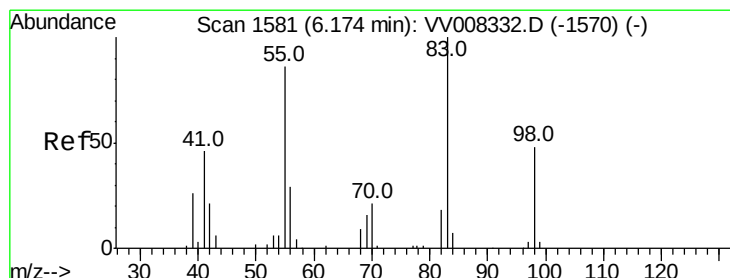
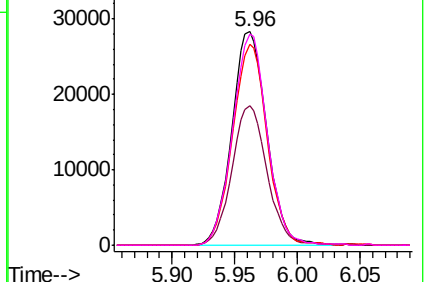
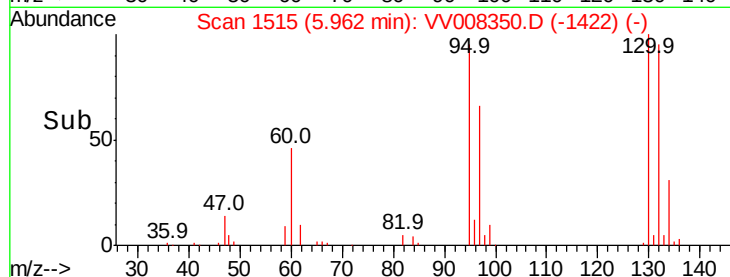


Abundance Ion 95.00 (94.70 to 95.70): VV008332.D (-1500) (-)

Ion 96.95 (96.65 to 97.65): VV008332.D (-1500) (-)

Ion 131.95 (131.65 to 132.65): VV008332.D (-1500) (-)

Ion 129.95 (129.65 to 130.65): VV008332.D (-1500) (-)



#35

Methylcyclohexane

Concen: 0.595 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV008350.D

Acq: 18 Oct 2018 18:51

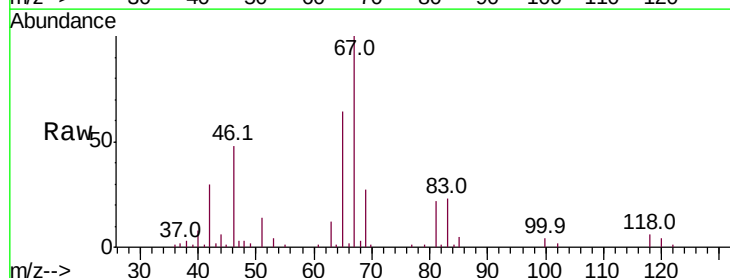
Tgt Ion: 83 Resp: 9351

Ion Ratio Lower Upper

83 100

55 1.9 64.0 96.0#

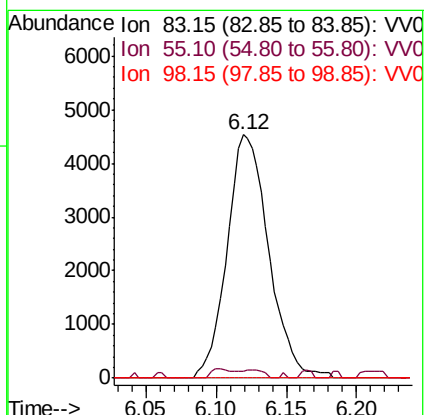
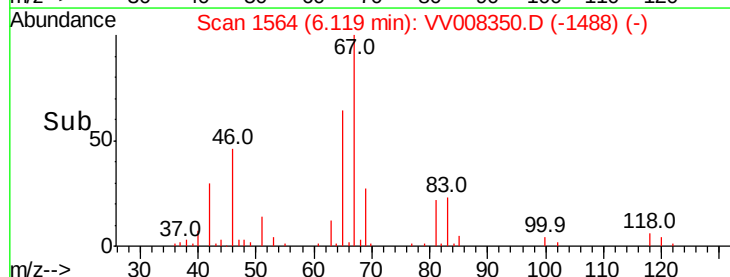
98 0.0 37.0 55.4#

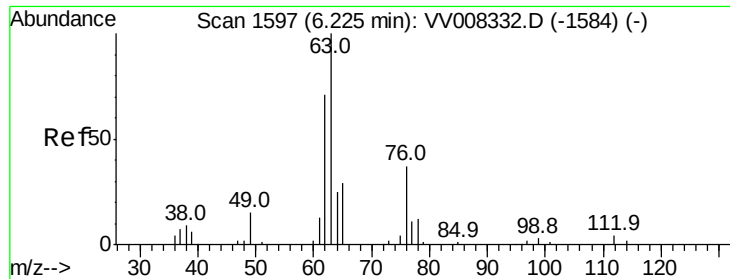


Abundance Ion 83.15 (82.85 to 83.85): VV008332.D (-1570) (-)

Ion 55.10 (54.80 to 55.80): VV008332.D (-1570) (-)

Ion 98.15 (97.85 to 98.85): VV008332.D (-1570) (-)

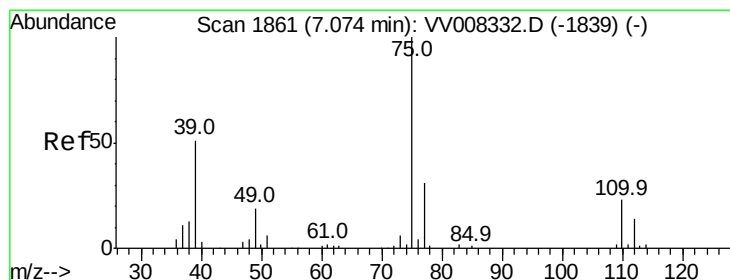
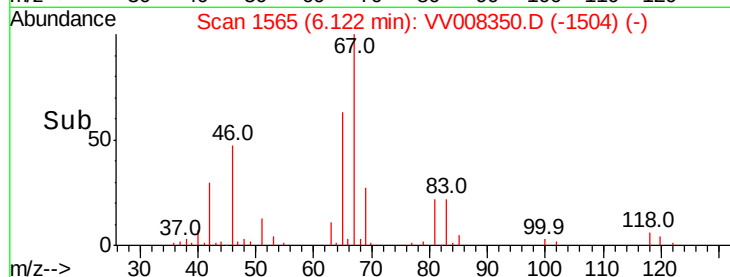
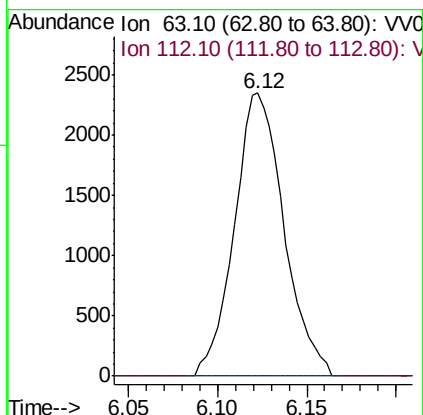
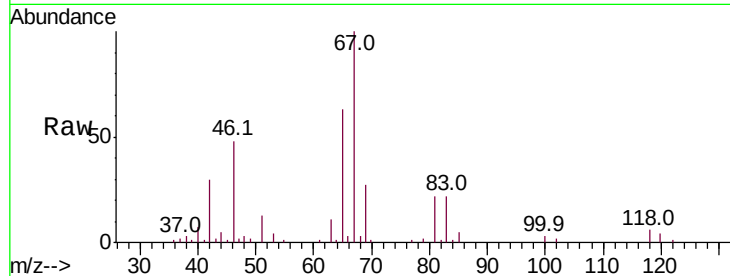




#37
 1,2-Dichloropropane
 Concen: 0.502 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.10 min
 Lab File: VV008350.D
 Acq: 18 Oct 2018 18:51

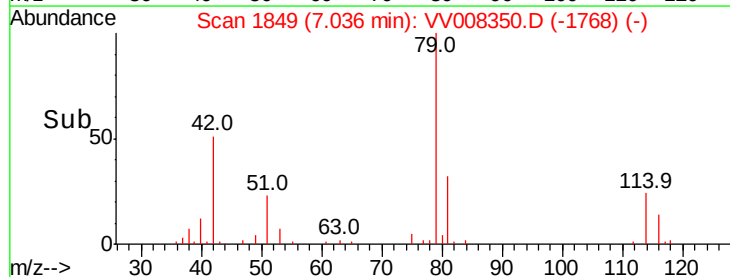
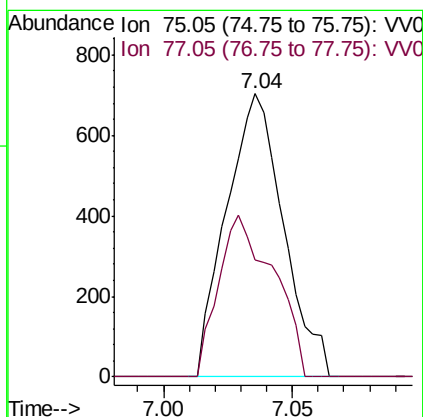
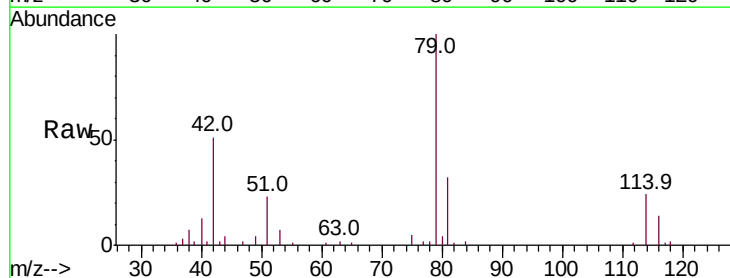
Instrument :
 MSVOA_V
 ClientSampled :

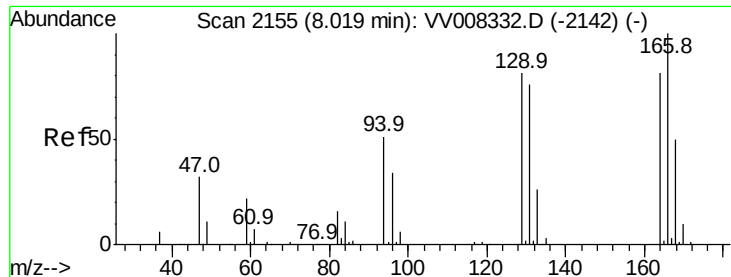
Tot Ion: 63 Resp: 4551
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV008350.D
 Acq: 18 Oct 2018 18:51

Tgt Ion: 75 Resp: 1086
 Ion Ratio Lower Upper
 75 100
 77 41.5 22.3 41.3#





#47

Tetrachloroethene

Concen: 6.581 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV008350.D

Acq: 18 Oct 2018 18:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 38417

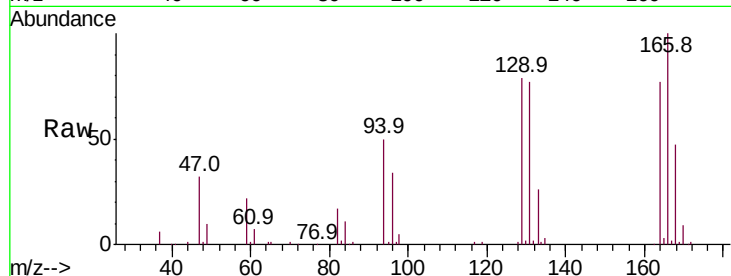
Ion Ratio Lower Upper

164 100

129 101.6 76.5 142.1

131 99.1 74.7 138.7

166 129.2 91.6 170.0

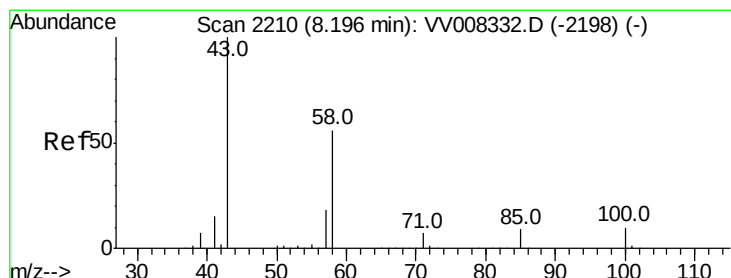
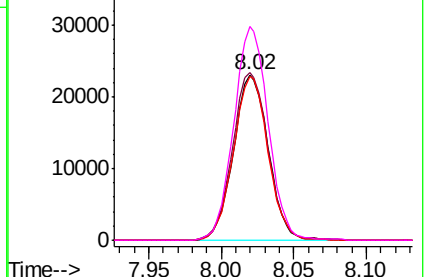
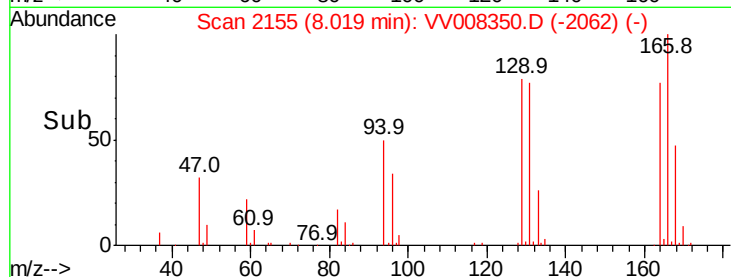


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 4.709 ug/L

RT: 8.20 min Scan# 2211

Delta R.T. 0.00 min

Lab File: VV008350.D

Acq: 18 Oct 2018 18:51

Tgt Ion: 43 Resp: 19123

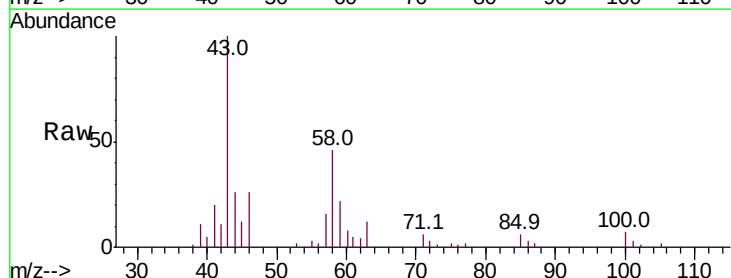
Ion Ratio Lower Upper

43 100

58 39.4 45.0 67.4#

57 13.4 14.4 21.6#

100 5.9 7.9 11.9#

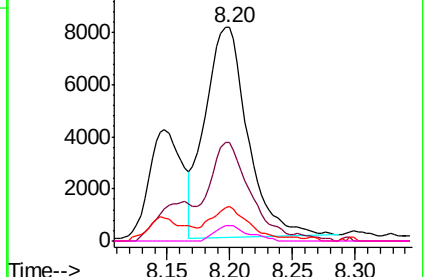
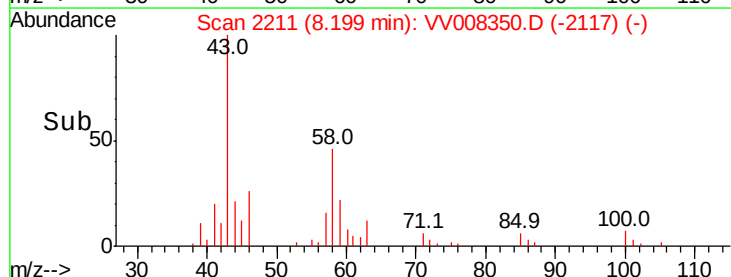


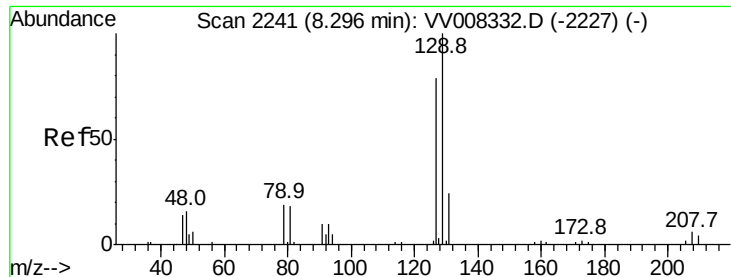
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 5.727 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.28 min

Lab File: VV008350.D

Acq: 18 Oct 2018 18:51

Instrument :

MSVOA_V

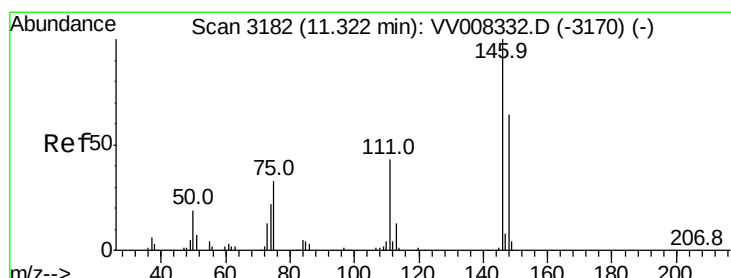
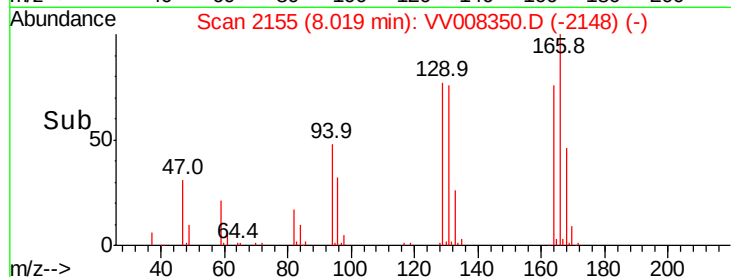
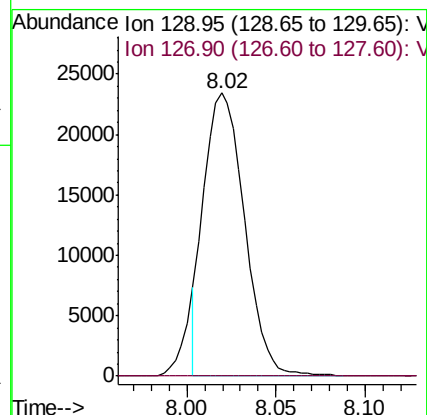
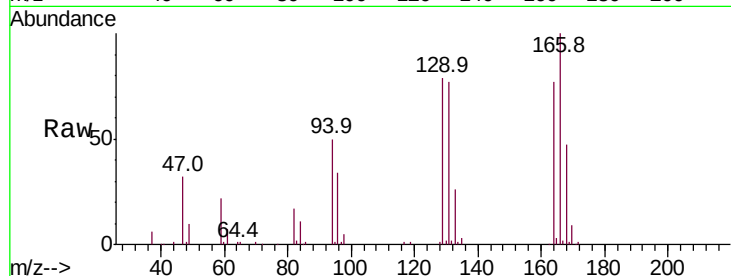
ClientSampled :

Tot Ion:129 Resp: 36763

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#63

1,4-Dichlorobenzene

Concen: 0.161 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008350.D

Acq: 18 Oct 2018 18:51

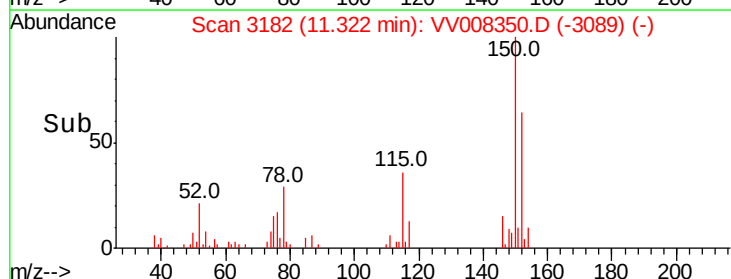
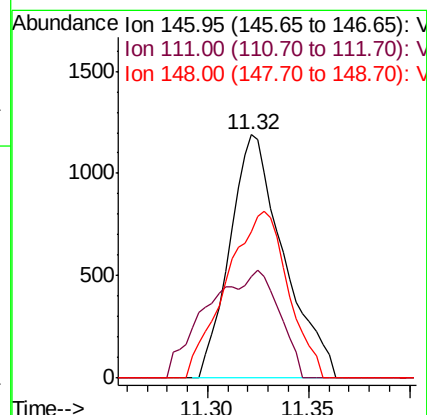
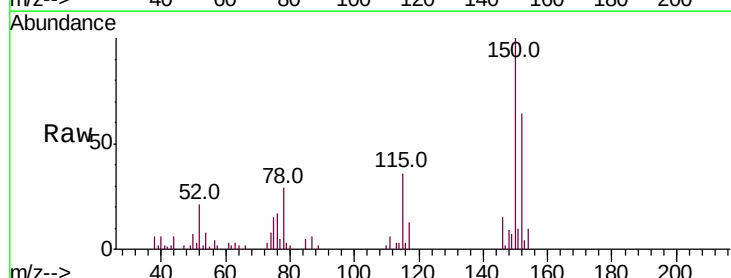
Tgt Ion:146 Resp: 2202

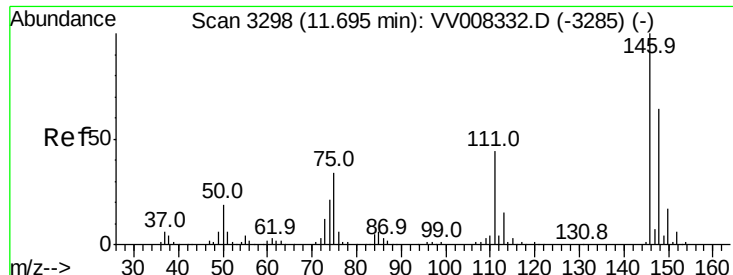
Ion Ratio Lower Upper

146 100

111 41.9 30.0 55.6

148 60.1 44.5 82.7

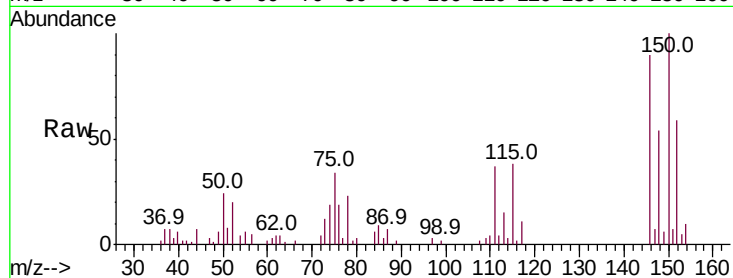




#65
 1,2-Dichlorobenzene
 Concen: 0.911 ug/L
 RT: 11.70 min Scan# 3299
 Delta R.T. 0.00 min
 Lab File: VV008350.D
 Acq: 18 Oct 2018 18:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	35.5	53.3
148	59.6	51.5	77.3



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

