

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101618\
 Data File : VV008310.D
 Acq On : 16 Oct 2018 21:58
 Operator : SY/MD
 Sample : J5406-02DL 20X
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AH5

Quant Time: Oct 17 05:05:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 17 05:02:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	91594	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	80724	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	33571	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23640	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.58	69	19418	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.13	63	35566	3.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.60%
20) 2-Butanone-d5	3.98	46	85791	49.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.84%
24) Chloroform-d	4.41	84	51753	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.09	65	27299	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.10	84	111225	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.12	67	36505	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.36	98	98313	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	7.67	79	14001	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.14	63	51746	45.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.20%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	20546	3.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	30065	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Ovalue
8) Chloroethane	1.32	64	316	0.089 ug/L #	1
9) Trichlorofluoromethane	1.77	101	2028	0.245 ug/L	95
12) 1,1-Dichloroethene	2.14	96	990	0.225 ug/L #	1
15) Methyl Acetate	2.49	43	363	0.155 ug/L #	50
16) Methylene chloride	2.54	84	1344	0.264 ug/L	92
25) Chloroform	4.43	83	1411	0.118 ug/L	97
27) 1,2-Dichloroethane	5.19	62	1207	0.169 ug/L #	74
29) 1,1,1-Trichloroethane	4.66	97	947	0.094 ug/L	96
34) Trichloroethene	5.96	95	56413	7.483 ug/L	97
35) Methylcyclohexane	6.12	83	8462	0.666 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	3943	0.537 ug/L #	90
39) cis-1,3-Dichloropropene	7.04	75	948	0.091 ug/L #	42
47) Tetrachloroethene	8.02	164	3955	0.837 ug/L	94
48) 2-Hexanone	8.19	43	18461	5.619 ug/L #	92
49) Dibromochloromethane	8.02	129	3854	0.742 ug/L #	10

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 17 05:02:19 2018
Response via : Initial Calibration

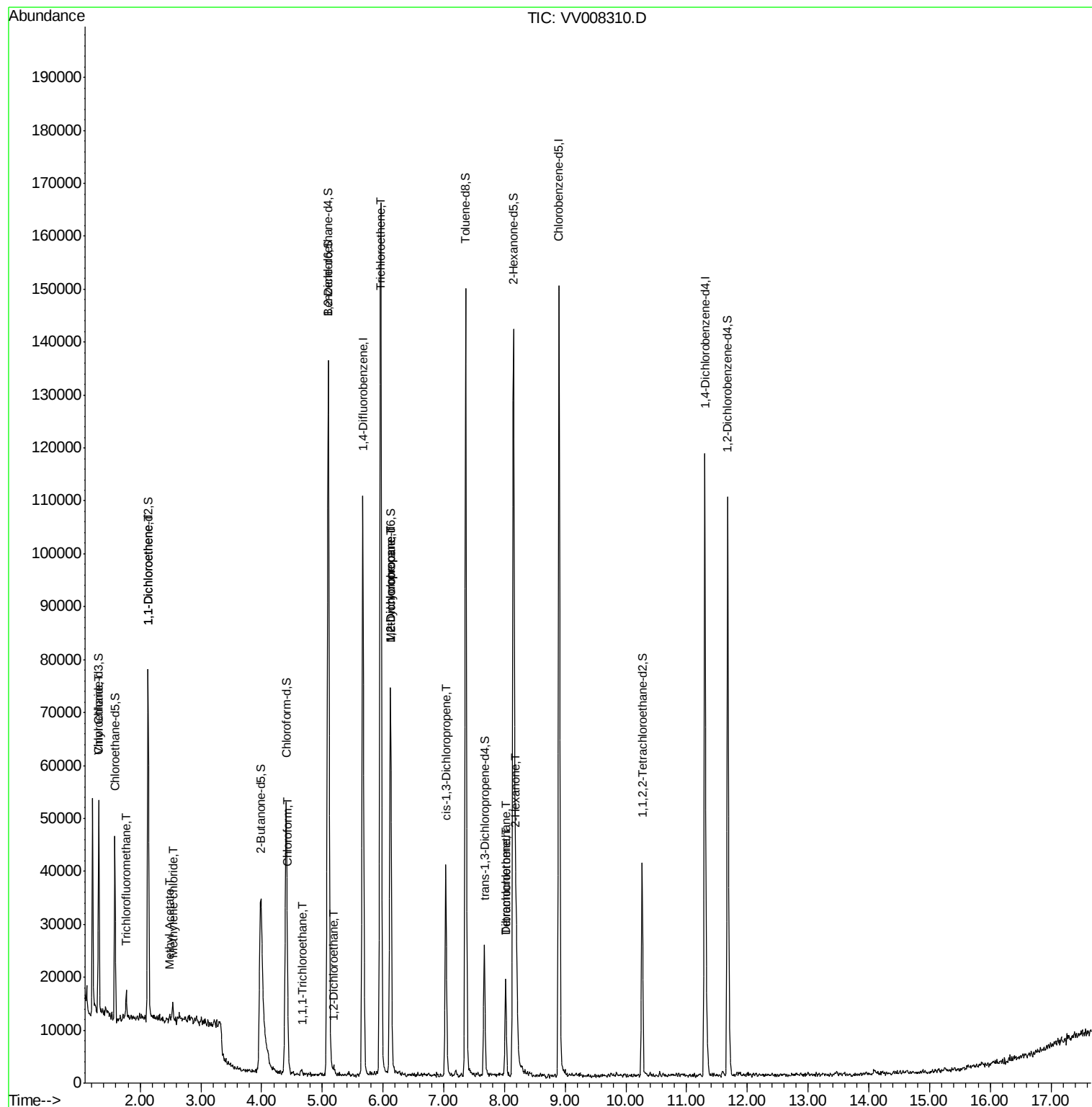
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

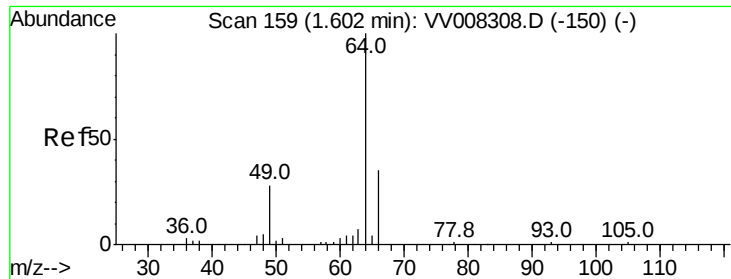
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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QLast Update : Wed Oct 17 05:02:19 2018
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.089 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV008310.D

Acq: 16 Oct 2018 21:58

Instrument :

MSVOA_V

ClientSampleId :

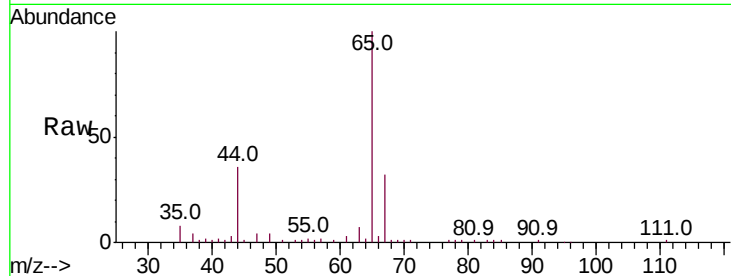
C0AH5

Tot Ion: 64 Resp: 316

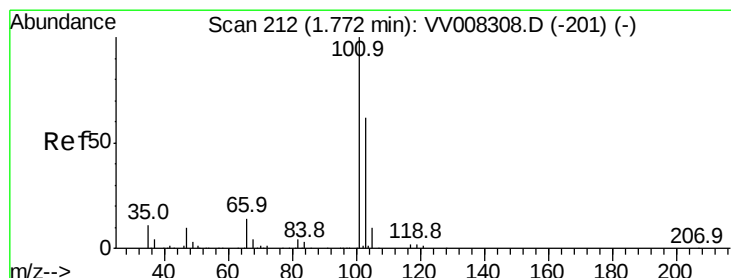
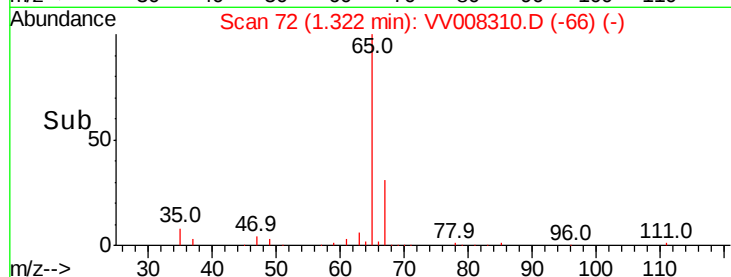
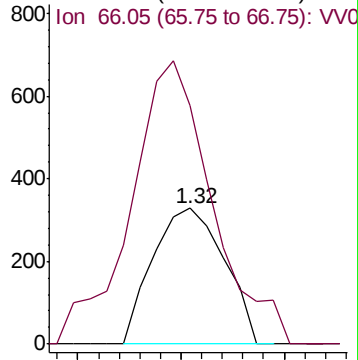
Ion Ratio Lower Upper

64 100

66 175.4 22.5 41.9#



Abundance Ion 64.10 (63.80 to 64.80): VV008310.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 0.245 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV008310.D

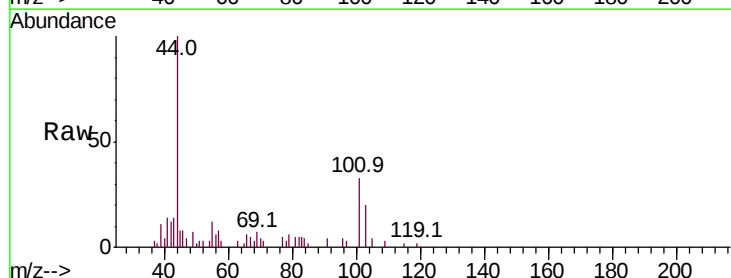
Acq: 16 Oct 2018 21:58

Tgt Ion: 101 Resp: 2028

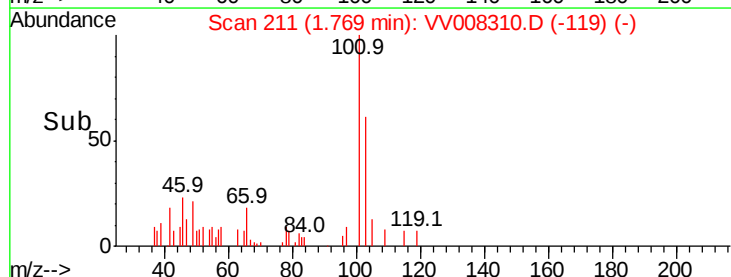
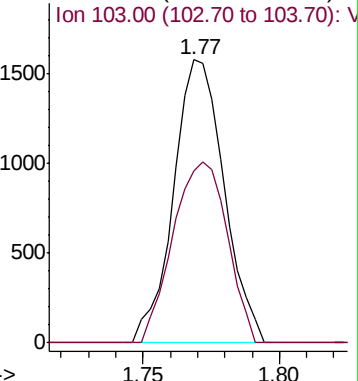
Ion Ratio Lower Upper

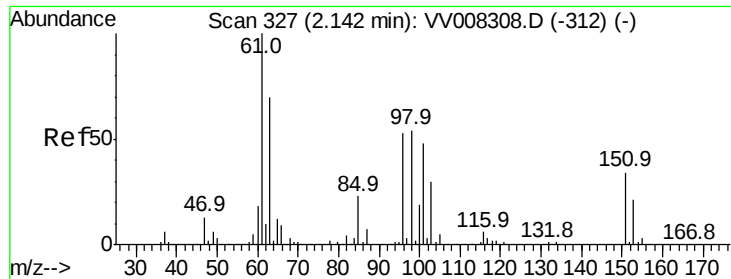
101 100

103 68.6 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV008310.D (-201) (-)

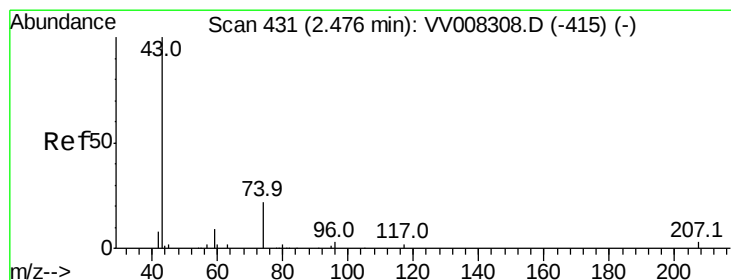
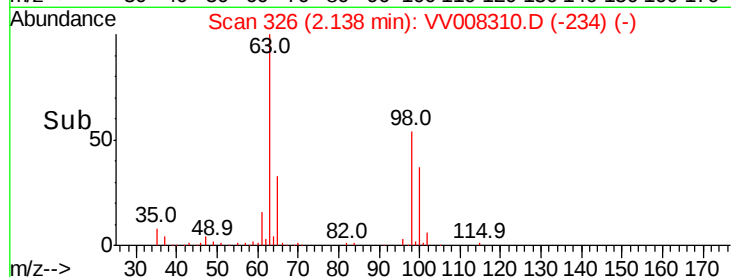
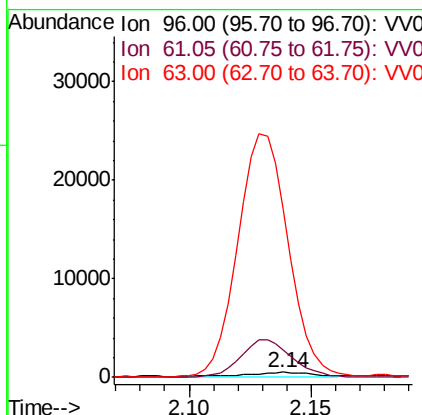
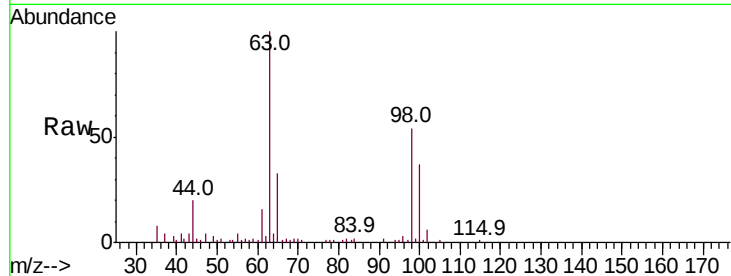




#12
 1,1-Dichloroethene
 Concen: 0.225 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VV008310.D
 Acq: 16 Oct 2018 21:58

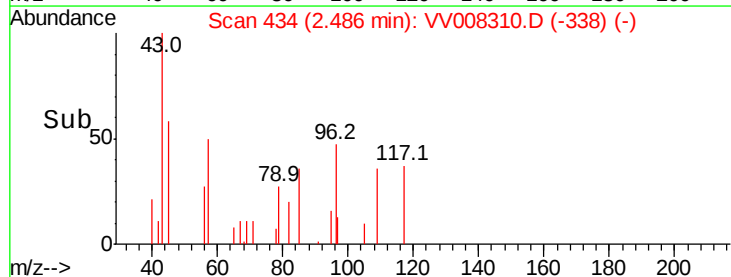
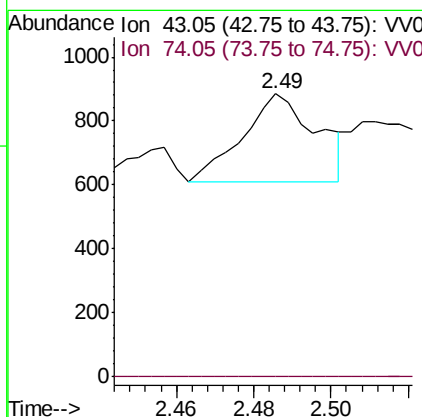
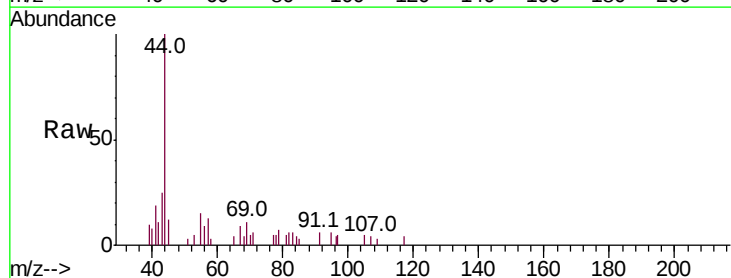
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AH5

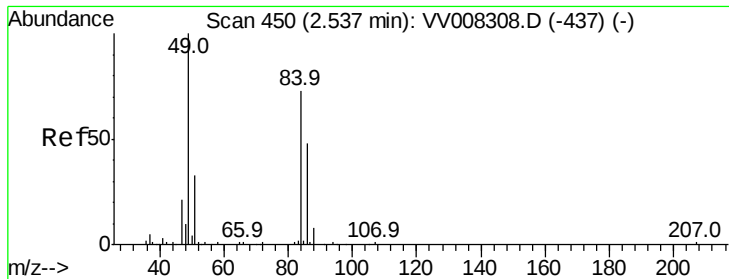
Tot Ion: 96 Resp: 990
 Ion Ratio Lower Upper
 96 100
 61 544.3 129.9 241.3#
 63 3359.1 103.0 191.4#



#15
 Methyl Acetate
 Concen: 0.155 ug/L
 RT: 2.49 min Scan# 434
 Delta R.T. 0.01 min
 Lab File: VV008310.D
 Acq: 16 Oct 2018 21:58

Tgt Ion: 43 Resp: 363
 Ion Ratio Lower Upper
 43 100
 74 0.0 20.0 30.0#

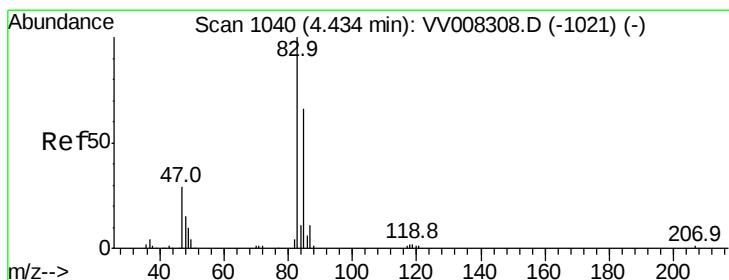
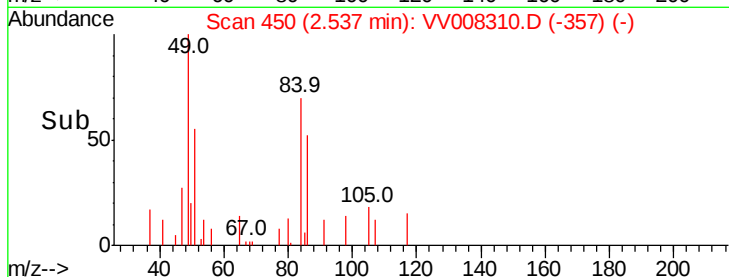
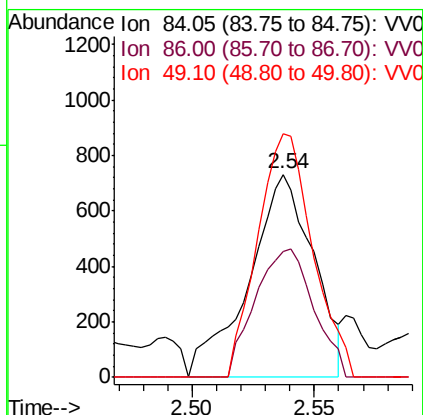
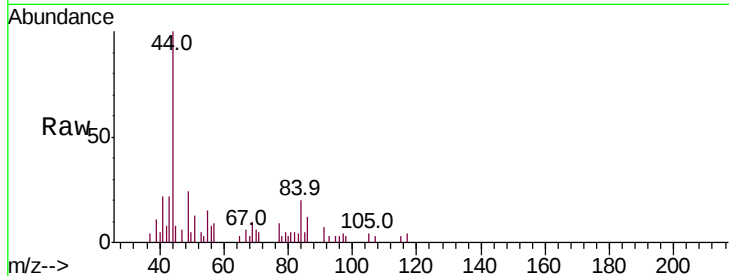




#16
Methvlene chloride
Concen: 0.264 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV008310.D
Acq: 16 Oct 2018 21:58

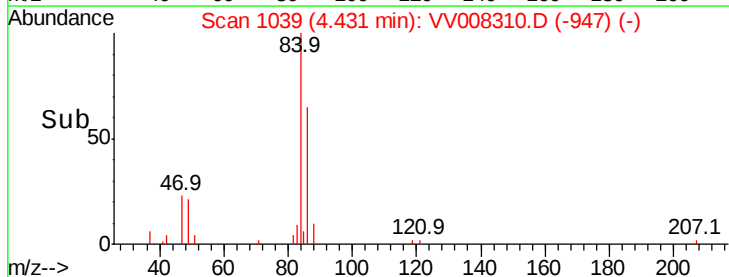
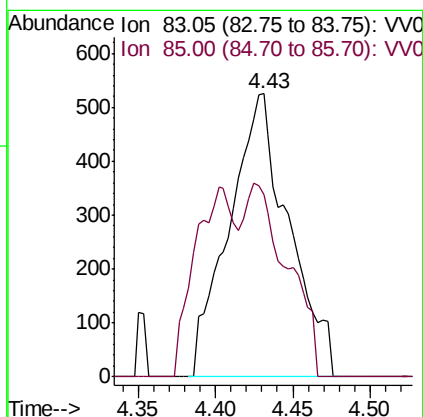
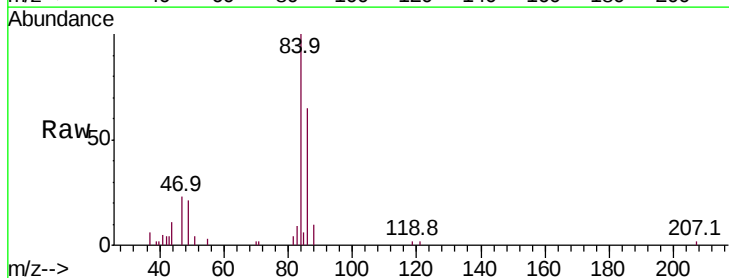
Instrument :
MSVOA_V
ClientSampleId :
C0AH5

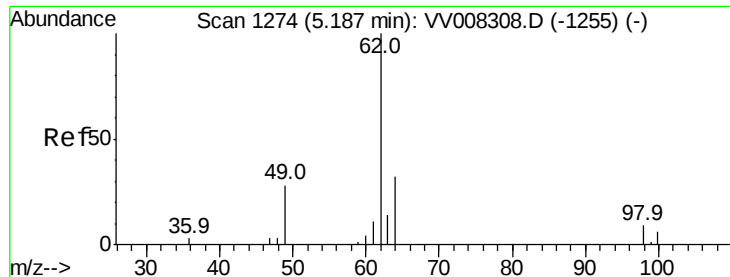
Tot Ion: 84 Resp: 1344
Ion Ratio Lower Upper
84 100
86 61.8 45.0 83.6
49 119.8 92.9 172.5



#25
Chloroform
Concen: 0.118 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008310.D
Acq: 16 Oct 2018 21:58

Tgt Ion: 83 Resp: 1411
Ion Ratio Lower Upper
83 100
85 64.2 43.4 80.6

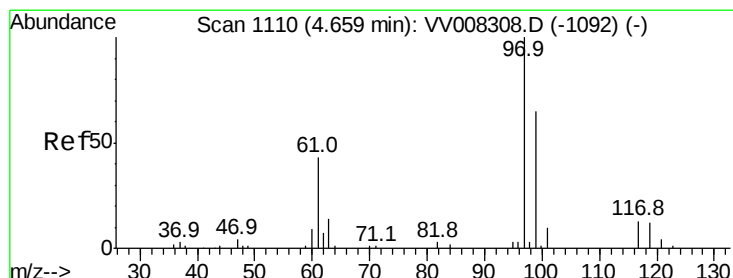
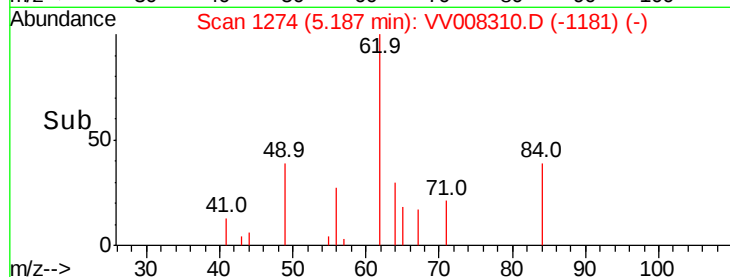
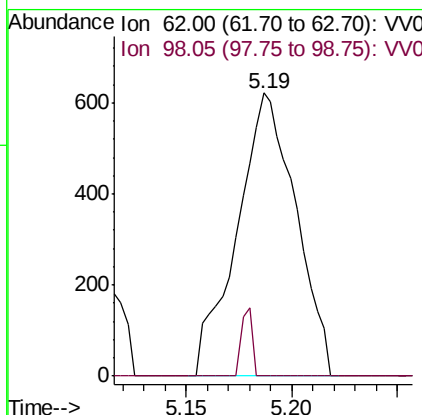
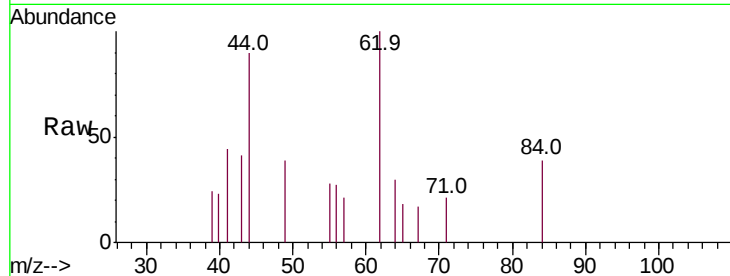




#27
 1,2-Dichloroethane
 Concen: 0.169 ug/L
 RT: 5.19 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VV008310.D
 Acq: 16 Oct 2018 21:58

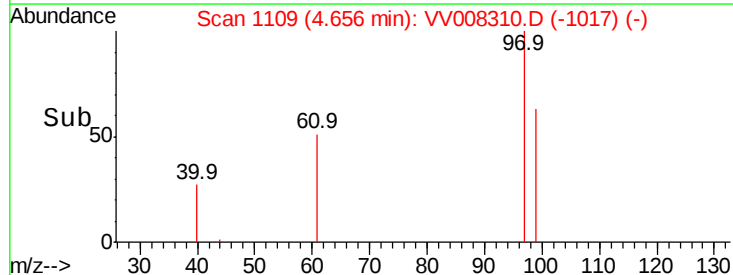
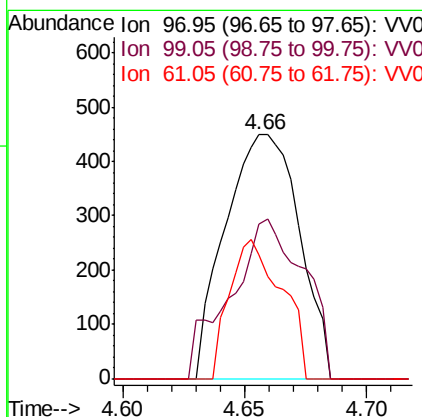
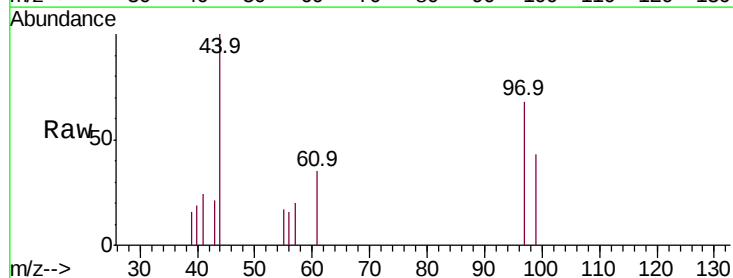
Instrument :
 MSVOA_V
 ClientSampled :
 C0AH5

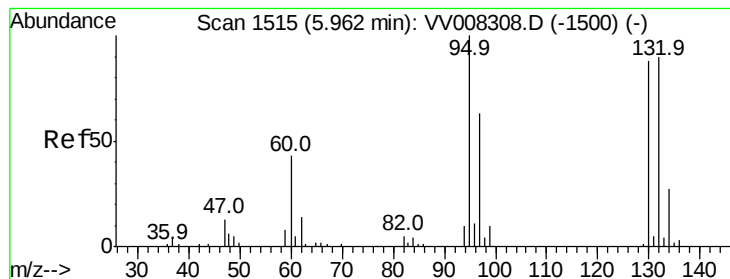
Tot Ion: 62 Resp: 1207
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#29
 1,1,1-Trichloroethane
 Concen: 0.094 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV008310.D
 Acq: 16 Oct 2018 21:58

Tgt Ion: 97 Resp: 947
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.6 77.4
 61 40.3 37.0 55.6





#34

Trichloroethene

Concen: 7.483 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008310.D

Acq: 16 Oct 2018 21:58

Instrument :

MSVOA_V

ClientSampleId :

C0AH5

Tot Ion: 95 Resp: 56413

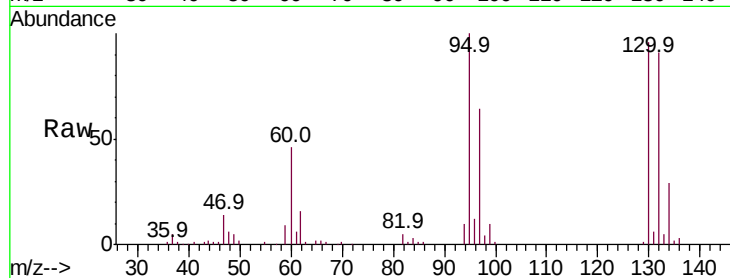
Ion Ratio Lower Upper

95 100

97 64.0 44.4 82.4

132 90.6 60.4 112.2

130 96.5 65.5 121.7

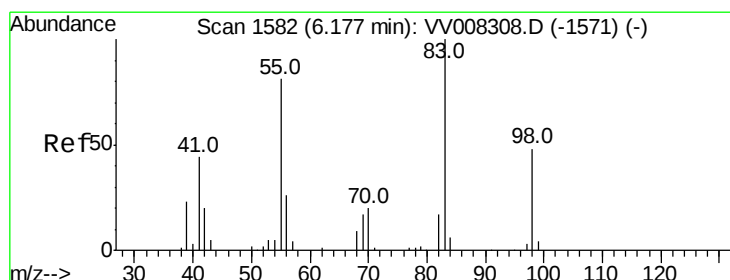
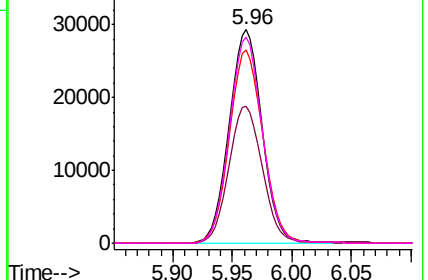
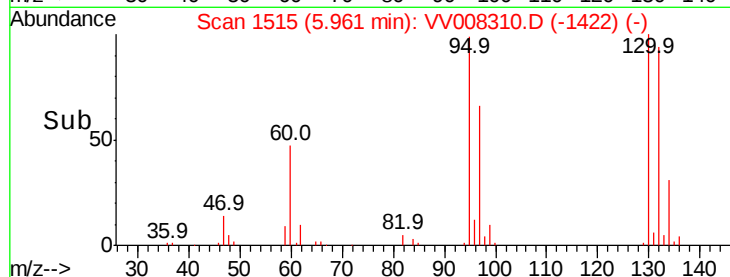


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.666 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV008310.D

Acq: 16 Oct 2018 21:58

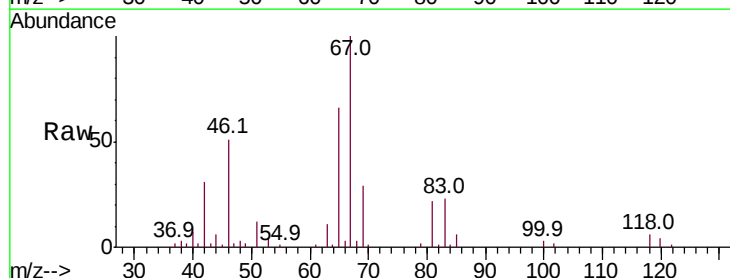
Tgt Ion: 83 Resp: 8462

Ion Ratio Lower Upper

83 100

55 1.1 64.0 96.0#

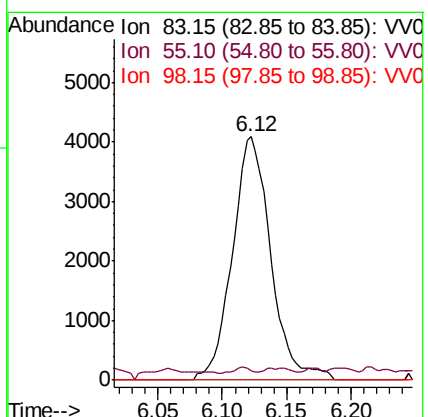
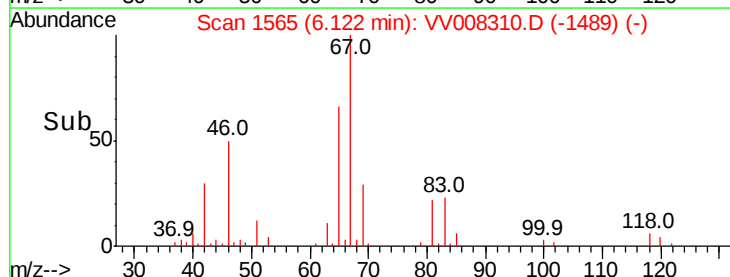
98 0.0 37.0 55.4#

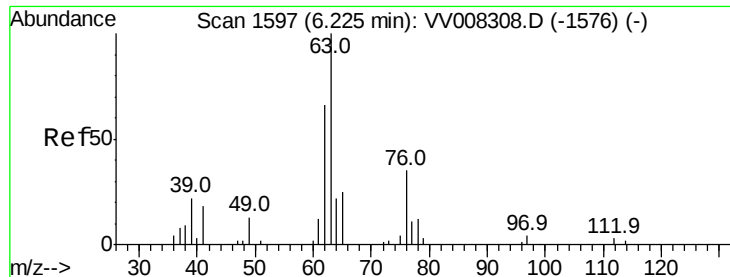


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.537 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV008310.D

Acq: 16 Oct 2018 21:58

Instrument :

MSVOA_V

ClientSampleId :

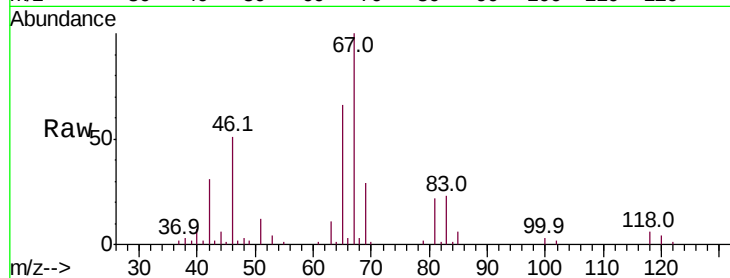
C0AH5

Tot Ion: 63 Resp: 3943

Ion Ratio Lower Upper

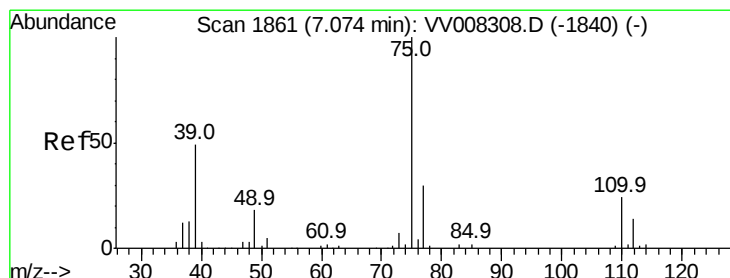
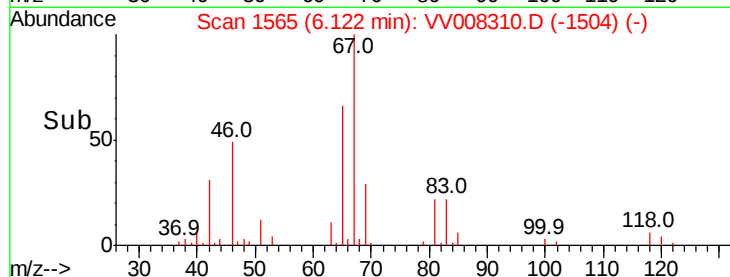
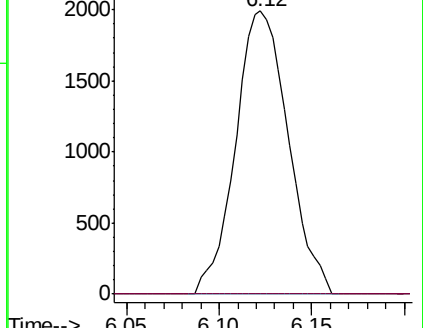
63 100

112 0.0 2.6 3.8#



Abundance Ion 63.10 (62.80 to 63.80): VV008310.D (-1565) (-)

Ion 112.10 (111.80 to 112.80): VV008310.D (-1565) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV008310.D

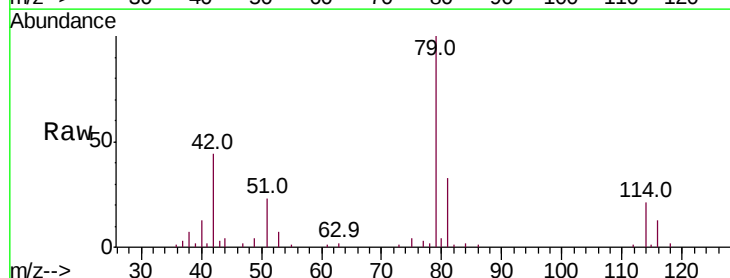
Acq: 16 Oct 2018 21:58

Tgt Ion: 75 Resp: 948

Ion Ratio Lower Upper

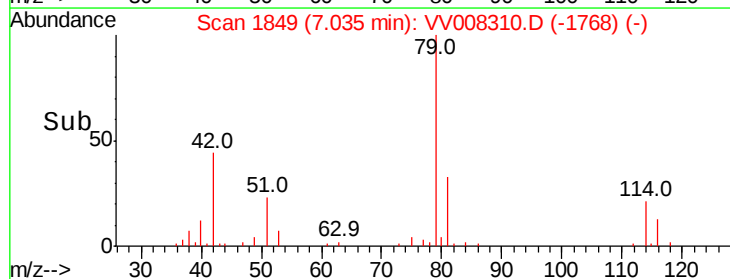
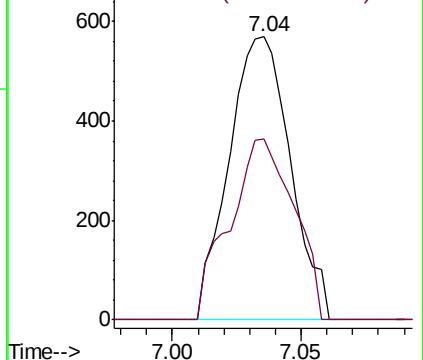
75 100

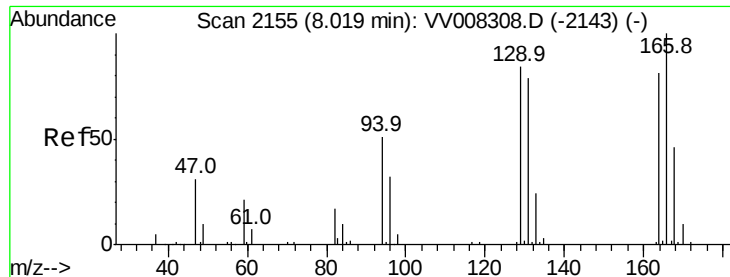
77 63.8 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV008310.D (-1849) (-)

Ion 77.05 (76.75 to 77.75): VV008310.D (-1849) (-)





#47

Tetrachloroethene

Concen: 0.837 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV008310.D

Acq: 16 Oct 2018 21:58

Instrument :

MSVOA_V

ClientSampleId :

C0AH5

Tot Ion:164 Resp: 3955

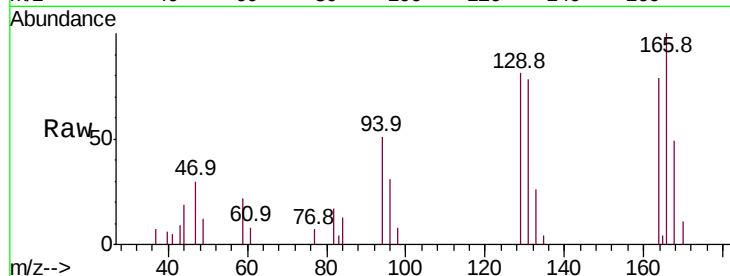
Ion Ratio Lower Upper

164 100

129 102.3 76.5 142.1

131 97.9 74.7 138.7

166 125.9 91.6 170.0

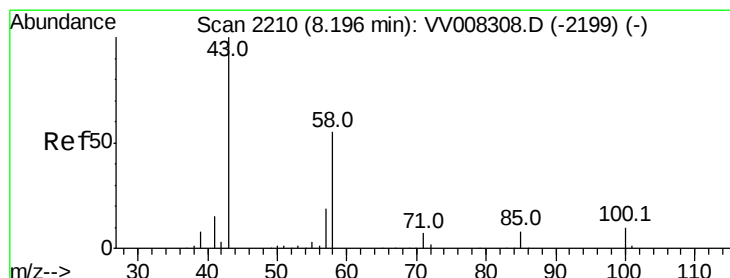
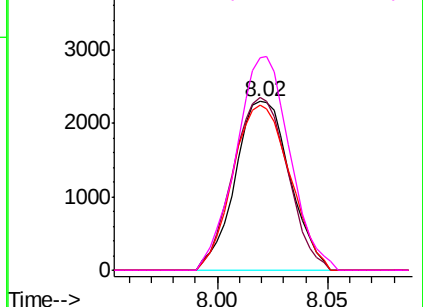
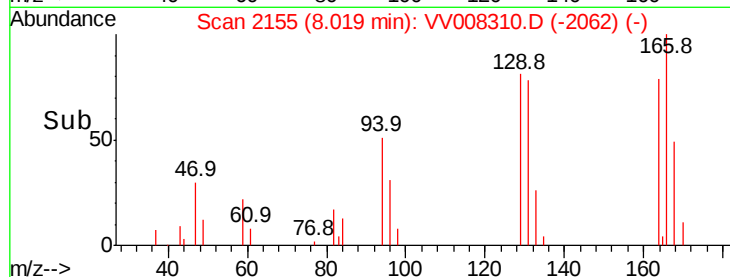


Abundance Ion 163.90 (163.60 to 164.60): V

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: 5.619 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VV008310.D

Acq: 16 Oct 2018 21:58

Tgt Ion: 43 Resp: 18461

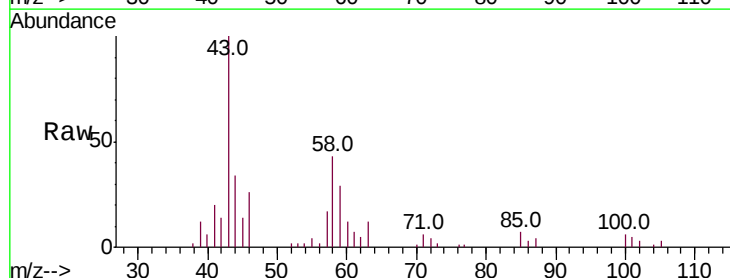
Ion Ratio Lower Upper

43 100

58 48.8 45.0 67.4

57 18.7 14.4 21.6

100 5.6 7.9 11.9#

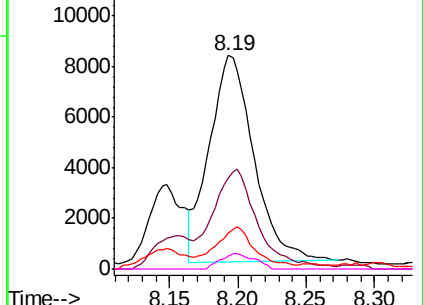
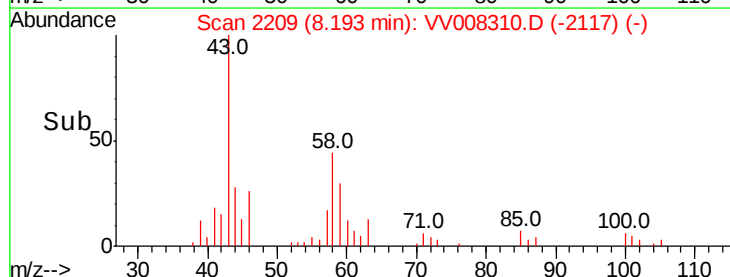


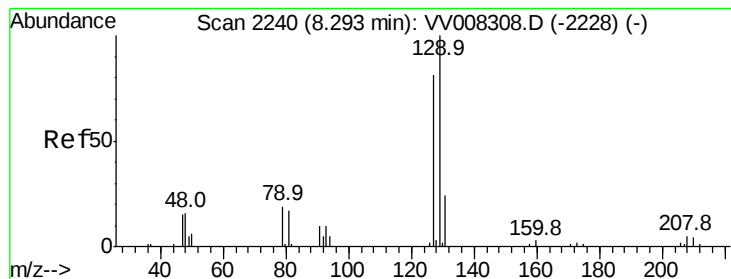
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 0.742 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV008310.D

Acq: 16 Oct 2018 21:58

Instrument :

MSVOA_V

ClientSampleId :

C0AH5

Tot Ion:129 Resp: 3854

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#

