

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101818\
 Data File : VV008335.D
 Acq On : 18 Oct 2018 11:18
 Operator : SY/MD
 Sample : J5406-02DL 20X
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 05:27:13 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	124942	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	110797	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	43324	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35851	5.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.60%
7) Chloroethane-d5	1.58	69	22336	4.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.20%
11) 1,1-Dichloroethene-d2	2.13	63	53763	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.40%
20) 2-Butanone-d5	3.98	46	109598	46.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.56%
24) Chloroform-d	4.41	84	72561	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.09	65	37278	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.10	84	156457	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.12	67	52534	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.36	98	139491	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	7.67	79	18489	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.15	63	73640	47.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.56%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	28757	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	41501	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Ovalue
5) Vinyl chloride	1.21	62	765	0.082	ug/L # 42
9) Trichlorofluoromethane	1.76	101	2508	0.222	ug/L 92
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	533	0.083	ug/L # 26
12) 1,1-Dichloroethene	2.13	96	1723	0.287	ug/L # 1
16) Methylene chloride	2.54	84	4160	0.599	ug/L 95
25) Chloroform	4.42	83	1723	0.105	ug/L # 72
27) 1,2-Dichloroethane	5.19	62	2086	0.215	ug/L # 92
29) 1,1,1-Trichloroethane	4.66	97	1427	0.103	ug/L # 73
34) Trichloroethene	5.96	95	100649	9.728	ug/L 98
35) Methylcyclohexane	6.12	83	11902	0.682	ug/L # 18
37) 1,2-Dichloropropane	6.12	63	5748	0.571	ug/L # 90
39) cis-1,3-Dichloropropene	7.03	75	1317	0.092	ug/L # 60
47) Tetrachloroethene	8.02	164	6461	0.997	ug/L 88
48) 2-Hexanone	8.20	43	19757	4.381	ug/L # 88
49) Dibromochloromethane	8.02	129	5933	0.832	ug/L # 10

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

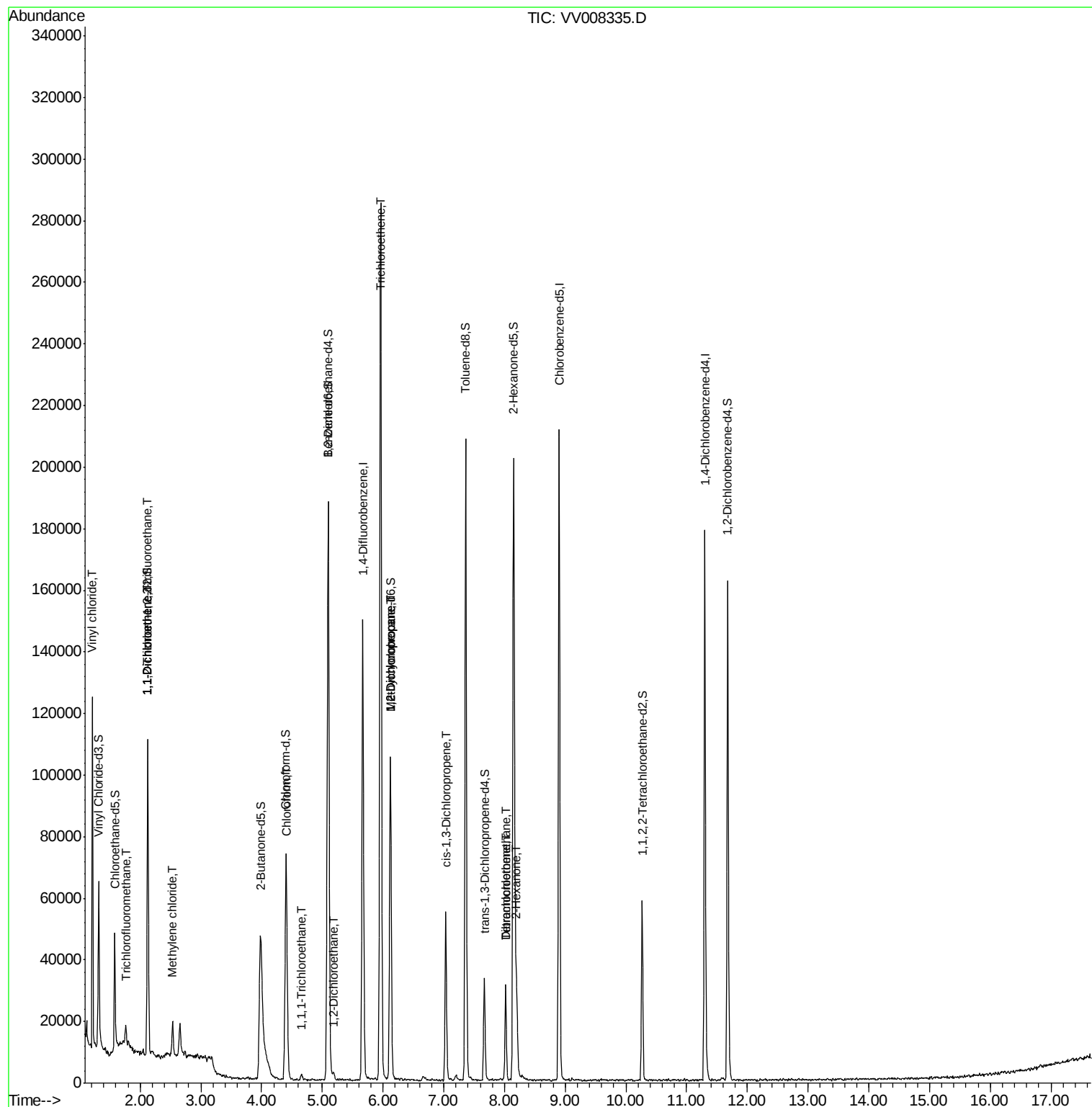
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

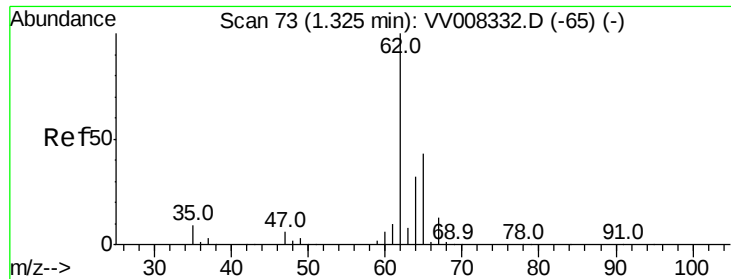
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#5

Vinyl chloride

Concen: 0.082 ug/L

RT: 1.21 min Scan# 38

Delta R.T. -0.11 min

Lab File: VV008335.D

Acq: 18 Oct 2018 11:18

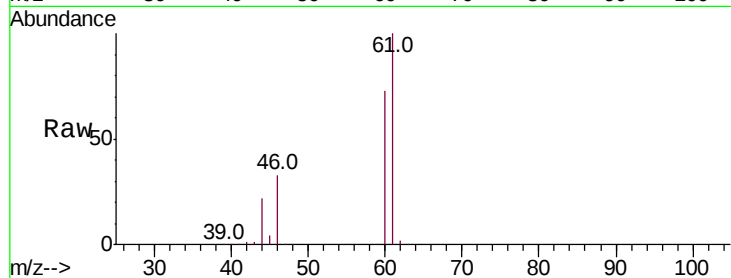
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 765

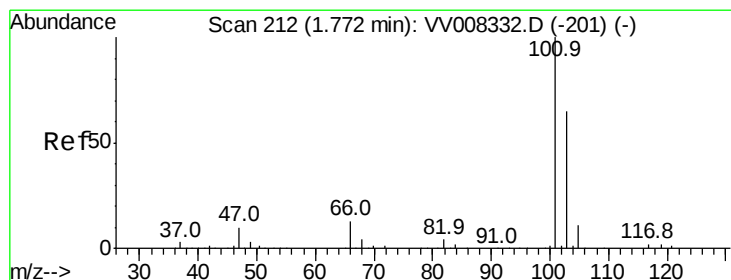
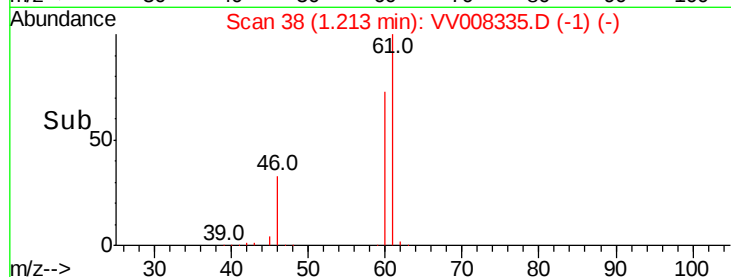
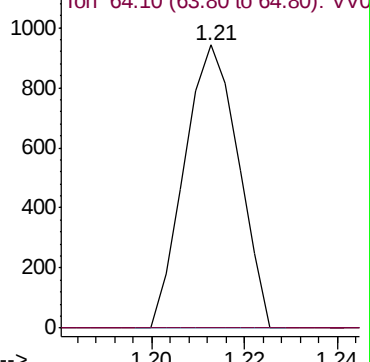
Ion Ratio Lower Upper

62 100

64 0.0 22.9 42.5#



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



#9

Trichlorofluoromethane

Concen: 0.222 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.01 min

Lab File: VV008335.D

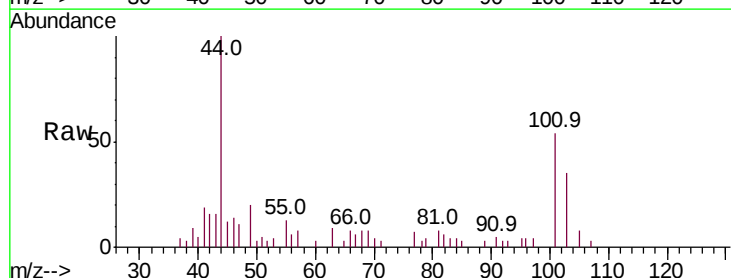
Acq: 18 Oct 2018 11:18

Tgt Ion: 101 Resp: 2508

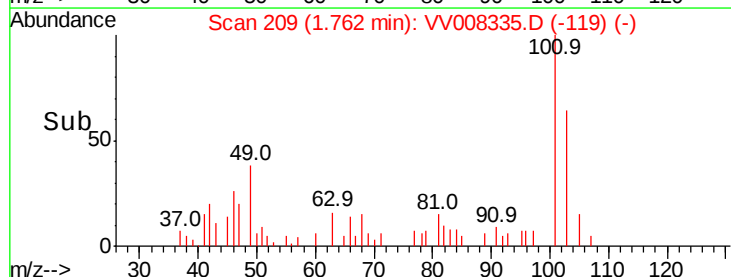
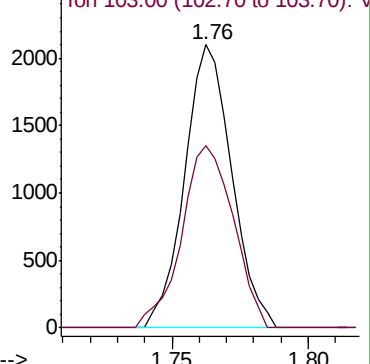
Ion Ratio Lower Upper

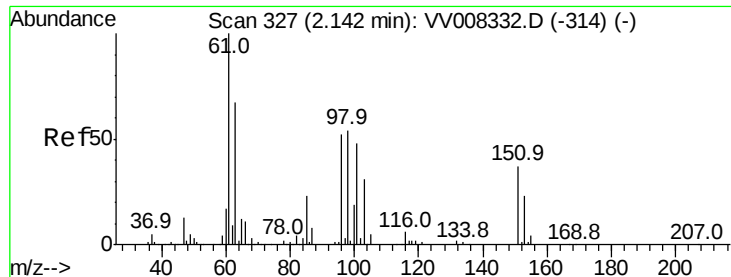
101 100

103 71.0 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV008332.D (-201) (-)





#10

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

Concen: 0.083 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.02 min

Lab File: VV008335.D

Acq: 18 Oct 2018 11:18

Instrument :

MSVOA_V

ClientSampleId :

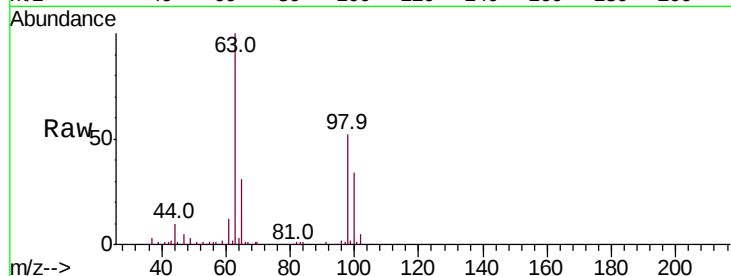
Tot Ion:101 Resp: 533

Ion Ratio Lower Upper

101 100

85 11.4 37.4 56.2#

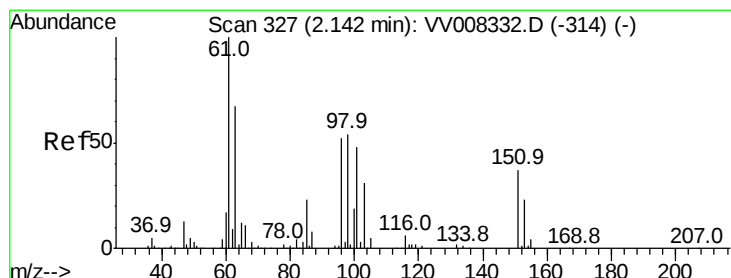
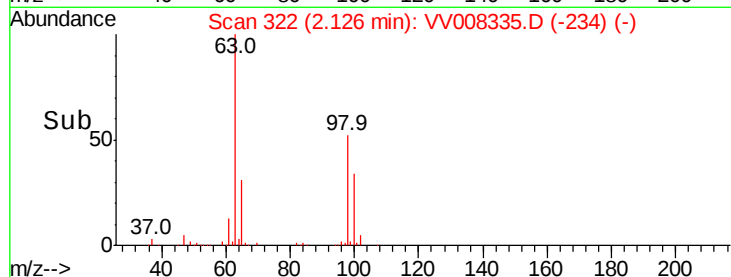
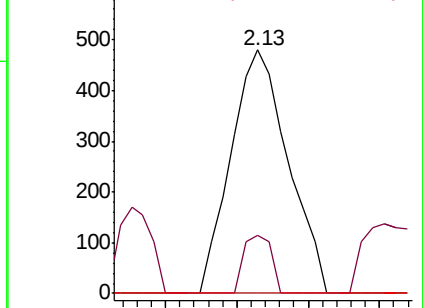
151 0.0 59.0 88.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.287 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008335.D

Acq: 18 Oct 2018 11:18

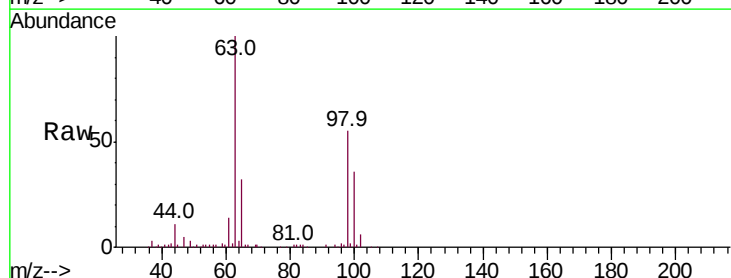
Tgt Ion: 96 Resp: 1723

Ion Ratio Lower Upper

96 100

61 578.2 129.9 241.3#

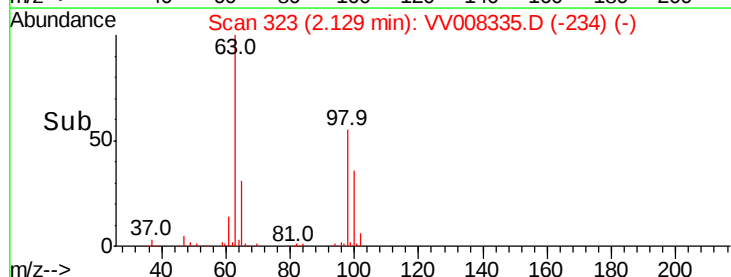
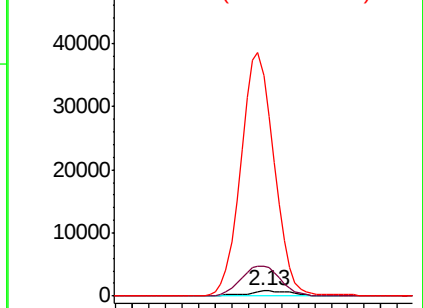
63 4232.7 103.0 191.4#

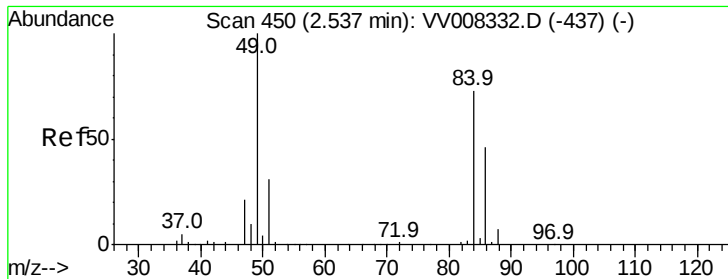


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

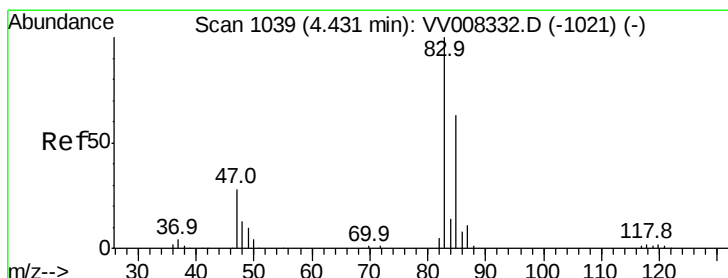
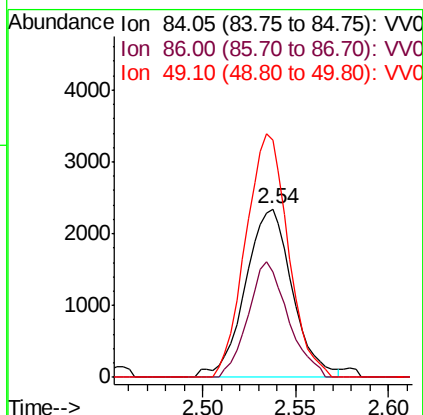
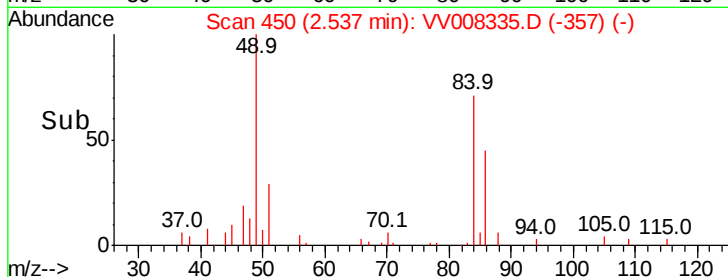
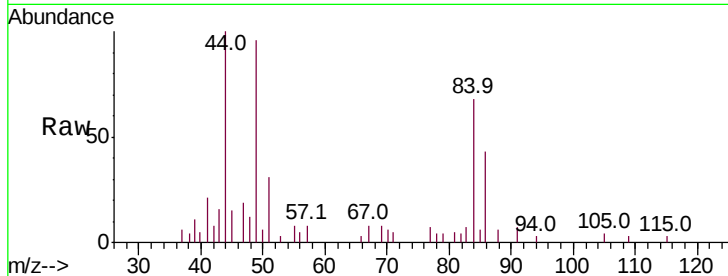




#16
Methvlene chloride
Concen: 0.599 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV008335.D
Acq: 18 Oct 2018 11:18

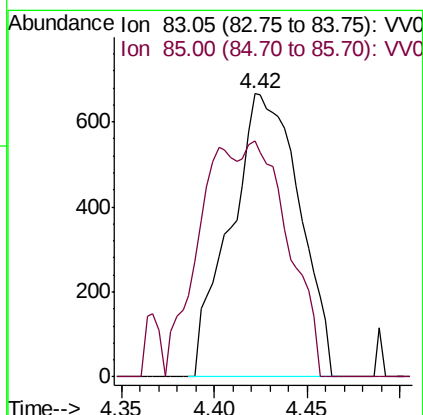
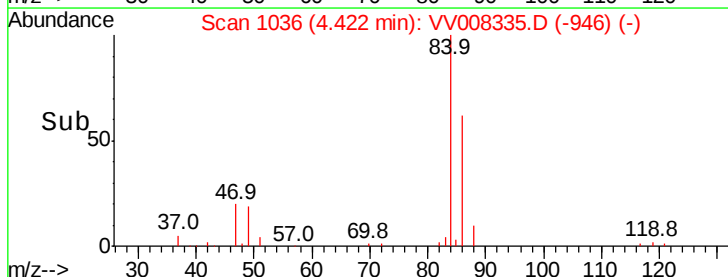
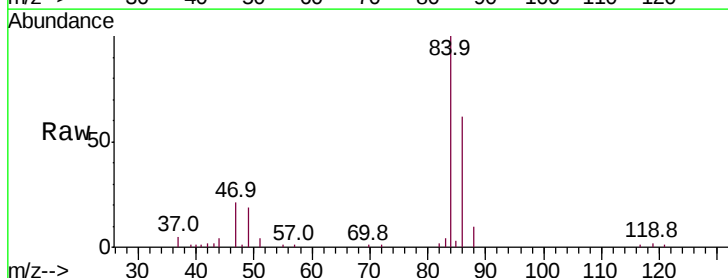
Instrument :
MSVOA_V
ClientSampleId :

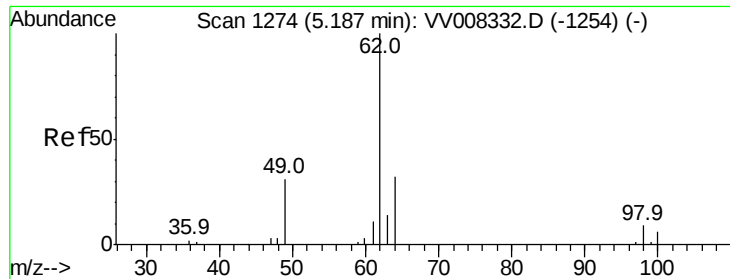
Tot Ion: 84 Resp: 4160
Ion Ratio Lower Upper
84 100
86 62.8 45.0 83.6
49 140.9 92.9 172.5



#25
Chloroform
Concen: 0.105 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VV008335.D
Acq: 18 Oct 2018 11:18

Tgt Ion: 83 Resp: 1723
Ion Ratio Lower Upper
83 100
85 83.5 43.4 80.6#

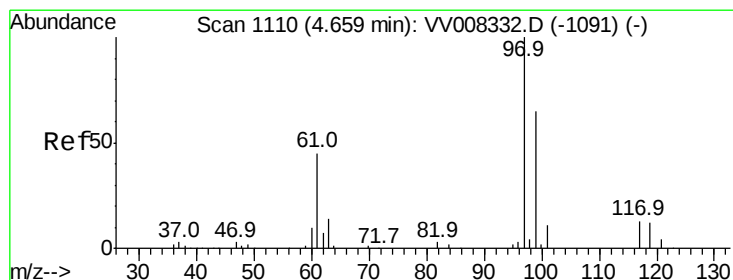
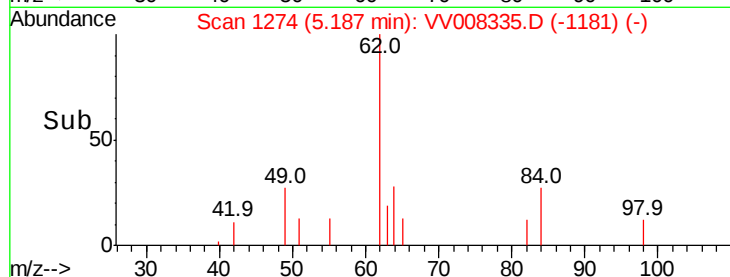
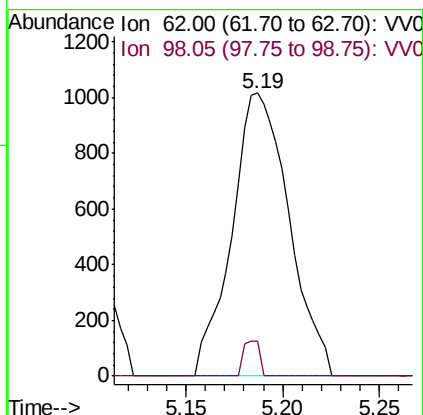
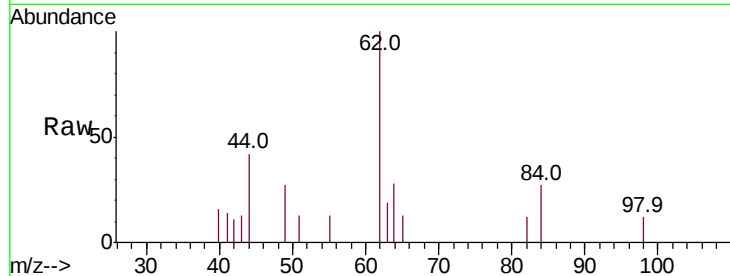




#27
 1,2-Dichloroethane
 Concen: 0.215 ug/L
 RT: 5.19 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VV008335.D
 Acq: 18 Oct 2018 11:18

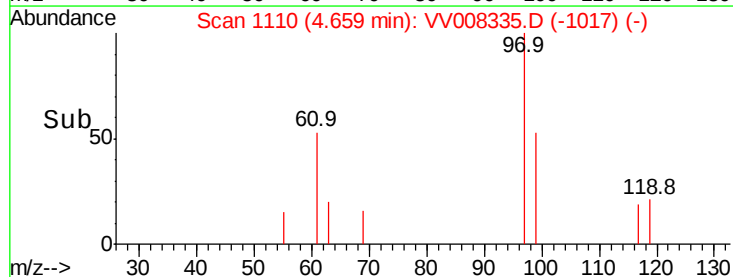
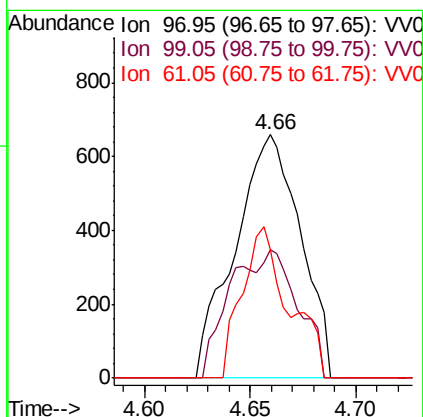
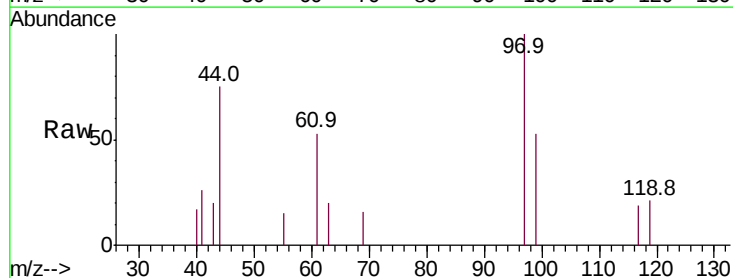
Instrument :
 MSVOA_V
 ClientSampleId :

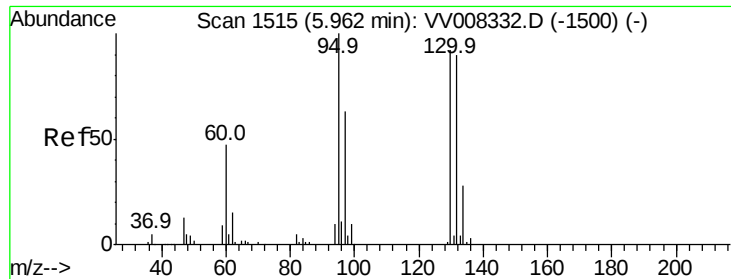
Tot Ion: 62 Resp: 2086
 Ion Ratio Lower Upper
 62 100
 98 12.4 7.6 11.4#



#29
 1,1,1-Trichloroethane
 Concen: 0.103 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV008335.D
 Acq: 18 Oct 2018 11:18

Tgt Ion: 97 Resp: 1427
 Ion Ratio Lower Upper
 97 100
 99 29.4 51.6 77.4#
 61 44.1 37.0 55.6





#34

Trichloroethene

Concen: 9.728 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV008335.D

Acq: 18 Oct 2018 11:18

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 100649

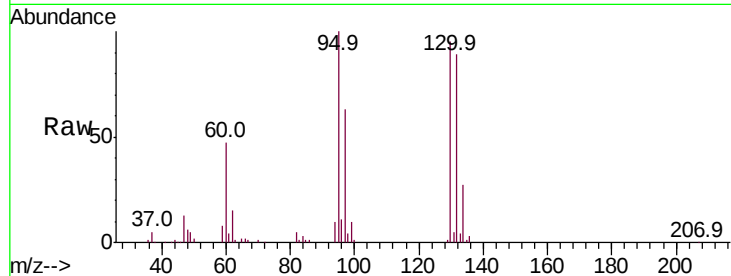
Ion Ratio Lower Upper

95 100

97 62.6 44.4 82.4

132 89.0 60.4 112.2

130 94.9 65.5 121.7

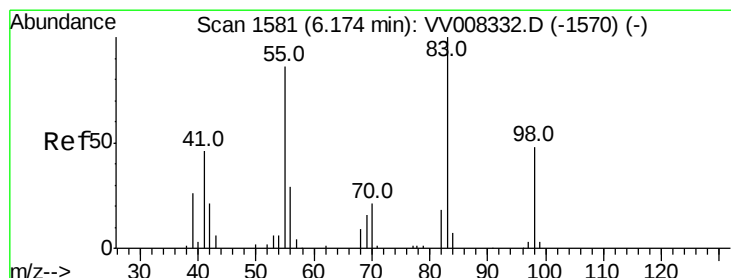
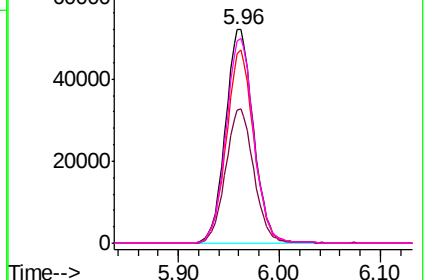
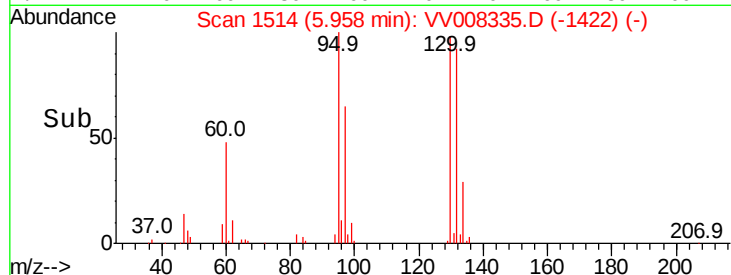


Abundance Ion 95.00 (94.70 to 95.70): VV008335.D (-1422) (-)

Ion 96.95 (96.65 to 97.65): VV008335.D (-1422) (-)

Ion 131.95 (131.65 to 132.65): VV008335.D (-1422) (-)

Ion 129.95 (129.65 to 130.65): VV008335.D (-1422) (-)



#35

Methylcyclohexane

Concen: 0.682 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV008335.D

Acq: 18 Oct 2018 11:18

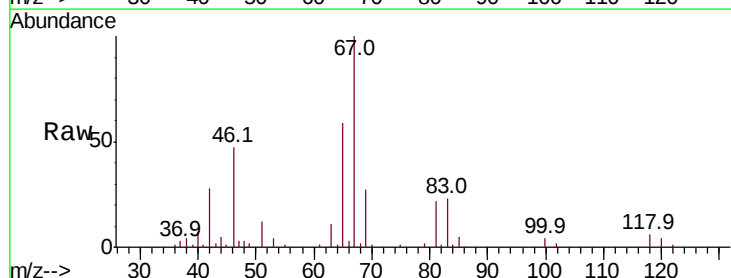
Tgt Ion: 83 Resp: 11902

Ion Ratio Lower Upper

83 100

55 1.6 64.0 96.0#

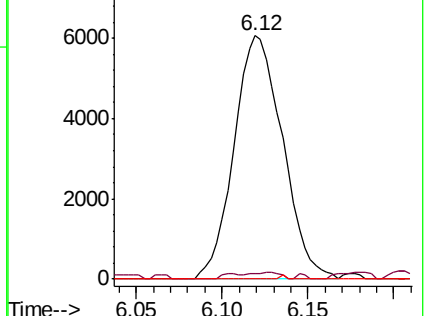
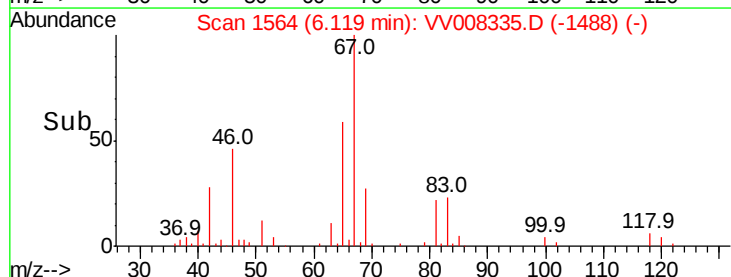
98 0.0 37.0 55.4#

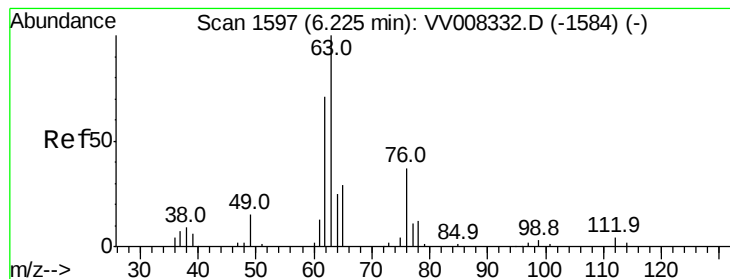


Abundance Ion 83.15 (82.85 to 83.85): VV008335.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV008335.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV008335.D (-1488) (-)





#37

1,2-Dichloropropane

Concen: 0.571 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV008335.D

Acq: 18 Oct 2018 11:18

Instrument :

MSVOA_V

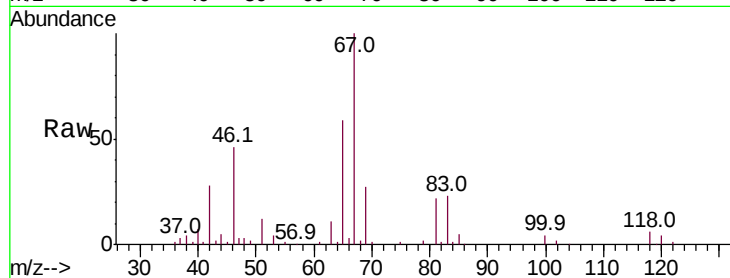
ClientSampleId :

Tot Ion: 63 Resp: 5748

Ion Ratio Lower Upper

63 100

112 0.0 2.6 3.8#



Abundance Ion 63.10 (62.80 to 63.80): VV008332.D (-1584) (-)

Ion 112.10 (111.80 to 112.80): VV008332.D (-1584) (-)

6.12

3000

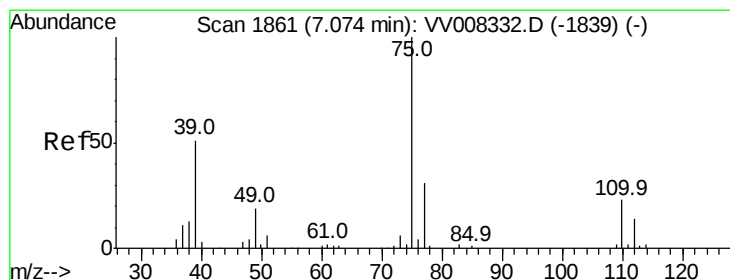
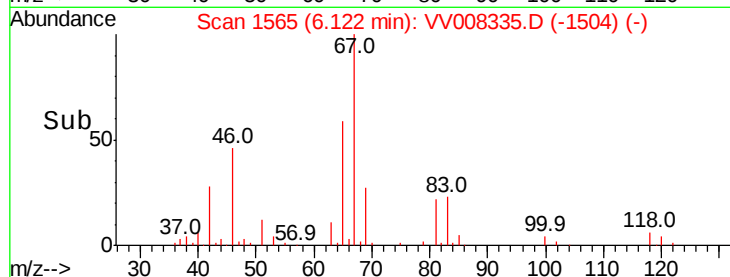
2000

1000

0

6.05 6.10 6.15

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV008335.D

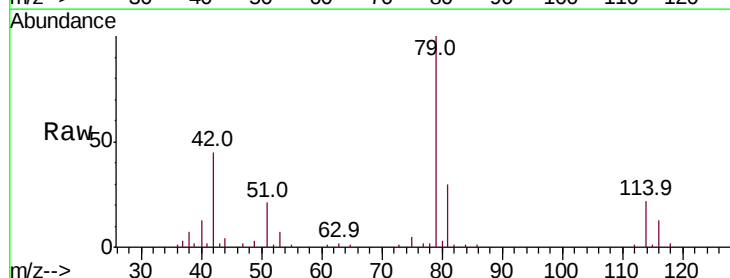
Acq: 18 Oct 2018 11:18

Tgt Ion: 75 Resp: 1317

Ion Ratio Lower Upper

75 100

77 54.2 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV008332.D (-1839) (-)

Ion 77.05 (76.75 to 77.75): VV008332.D (-1839) (-)

7.03

1000

800

600

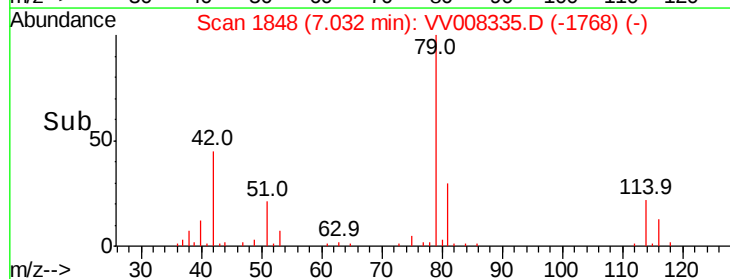
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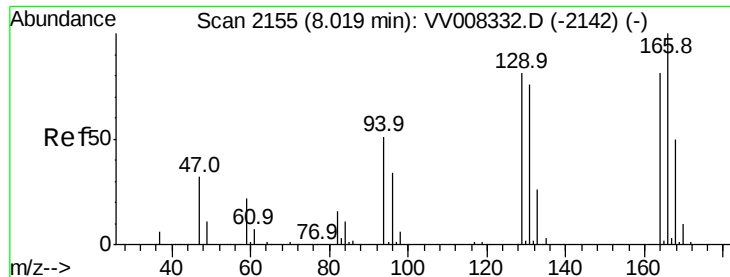
200

0

7.00 7.05

Time-->





#47

Tetrachloroethene

Concen: 0.997 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV008335.D

Acq: 18 Oct 2018 11:18

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 6461

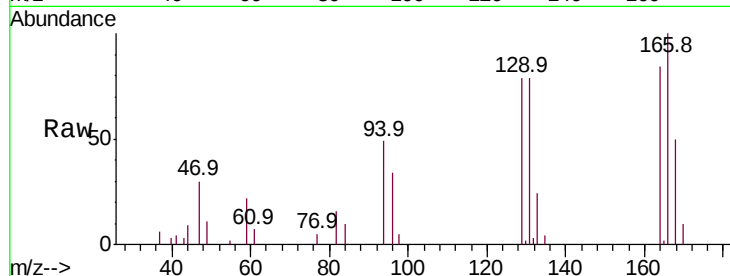
Ion Ratio Lower Upper

164 100

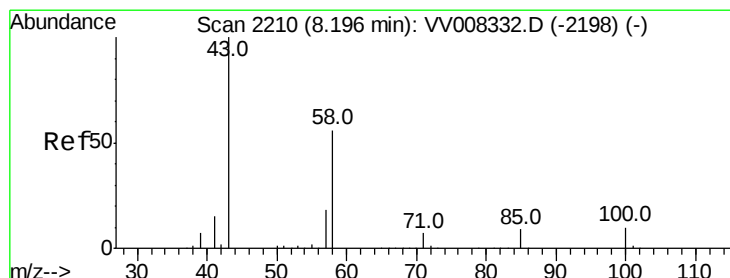
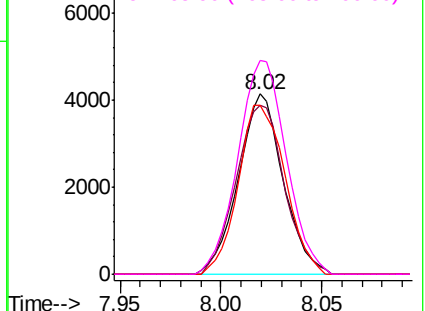
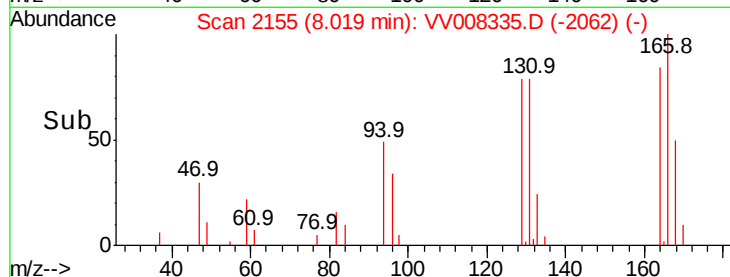
129 93.8 76.5 142.1

131 93.9 74.7 138.7

166 118.7 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: 4.381 ug/L

RT: 8.20 min Scan# 2211

Delta R.T. 0.00 min

Lab File: VV008335.D

Acq: 18 Oct 2018 11:18

Tgt Ion: 43 Resp: 19757

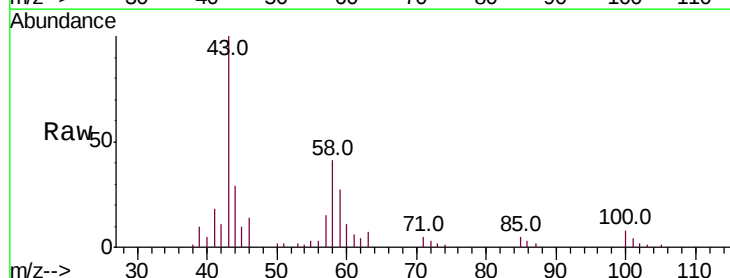
Ion Ratio Lower Upper

43 100

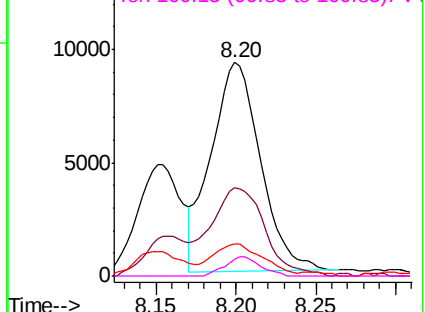
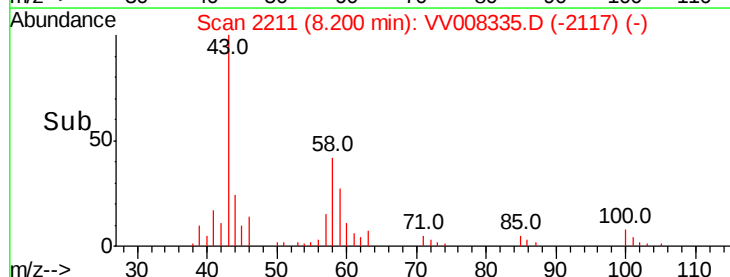
58 46.1 45.0 67.4

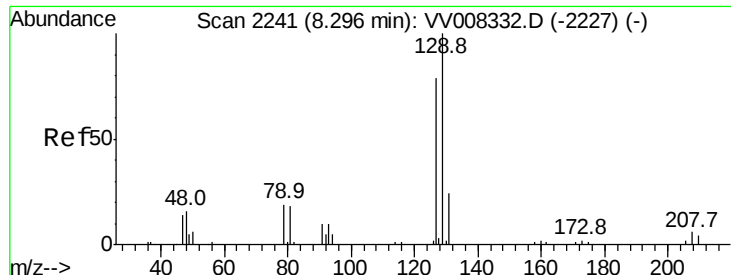
57 15.5 14.4 21.6

100 6.5 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: 0.832 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.28 min

Lab File: VV008335.D

Acq: 18 Oct 2018 11:18

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 5933

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#

