

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
 Data File : VV007920.D
 Acq On : 27 Sep 2018 21:12
 Operator : SY/MD
 Sample : J5011-11DL 250X
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 28 03:47:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 28 03:46:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	85884	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	80956	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	40531	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21365	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.59	69	19956	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.14	63	37456	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	3.98	46	67795	48.95	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.90%
24) Chloroform-d	4.41	84	50340	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.09	65	28561	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.10	84	98701	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.13	67	30516	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.36	98	93275	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	7.67	79	9968	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.14	63	50137	48.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.30%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22489	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	38517	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	1440	0.210	ug/L #	68
8) Chloroethane	1.32	64	701	0.169	ug/L #	37
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	645	0.102	ug/L #	28
12) 1,1-Dichloroethene	2.14	96	1190	0.210	ug/L #	1
16) Methylene chloride	2.54	84	1081	0.171	ug/L	86
19) 1,1-Dichloroethane	3.23	63	3373	0.316	ug/L	96
22) cis-1,2-Dichloroethene	3.97	96	12433	1.962	ug/L	100
25) Chloroform	4.42	83	1101	0.095	ug/L	80
29) 1,1,1-Trichloroethane	4.66	97	13138	1.350	ug/L	99
31) Carbon tetrachloride	4.67	117	1758	0.205	ug/L	88
34) Trichloroethene	5.96	95	50744	7.645	ug/L	98
35) Methylcyclohexane	6.12	83	7692	0.773	ug/L #	18
37) 1,2-Dichloropropane	6.13	63	3711	0.627	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	884	0.112	ug/L #	77
47) Tetrachloroethene	8.02	164	2122	0.345	ug/L	93
48) 2-Hexanone	8.14	43	7406	2.865	ug/L #	76
49) Dibromochloromethane	8.02	129	1623	0.333	ug/L #	12

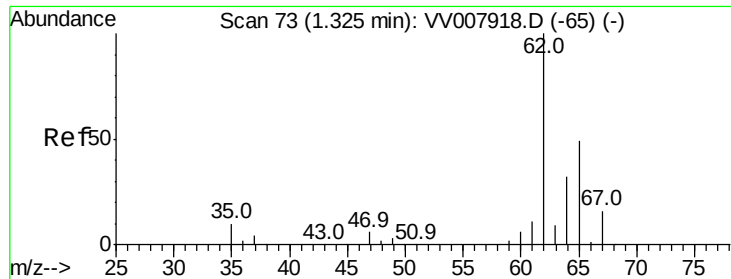
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
Data File : VV007920.D
Acq On : 27 Sep 2018 21:12
Operator : SY/MD
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 28 03:46:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5

Vinyl chloride

Concen: 0.210 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV007920.D

Acq: 27 Sep 2018 21:12

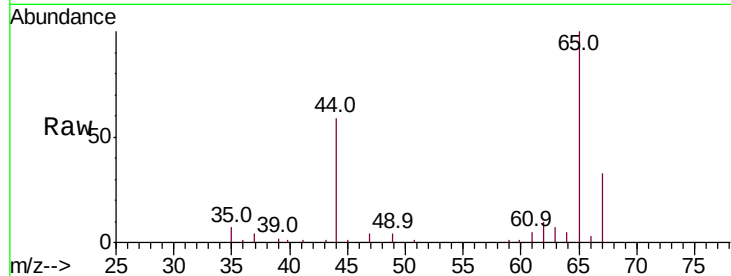
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 1440

Ion Ratio Lower Upper

62 100

64 52.6 24.0 44.6#



Abundance Ion 62.00 (61.70 to 62.70): VV007918.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV007918.D (-65) (-)

1.32

1500

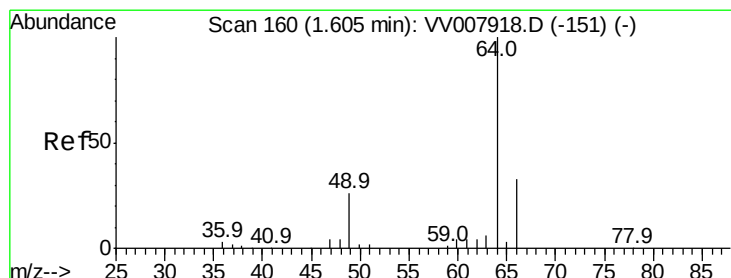
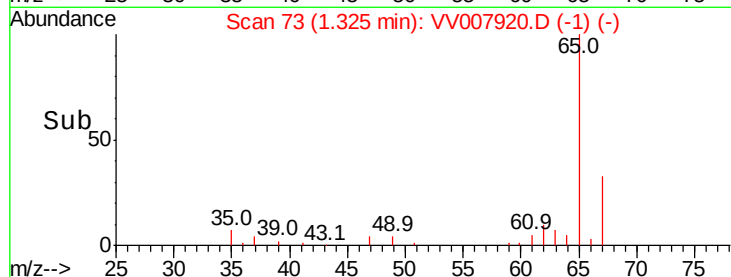
1000

500

0

1.28 1.30 1.32 1.34 1.36

Time-->



#8

Chloroethane

Concen: 0.169 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV007920.D

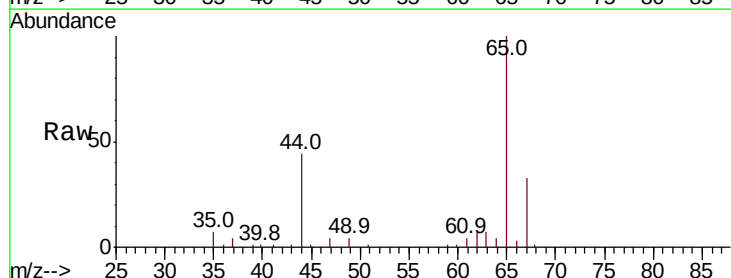
Acq: 27 Sep 2018 21:12

Tgt Ion: 64 Resp: 701

Ion Ratio Lower Upper

64 100

66 68.5 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VV007918.D (-151) (-)

Ion 66.05 (65.75 to 66.75): VV007918.D (-151) (-)

1.32

800

600

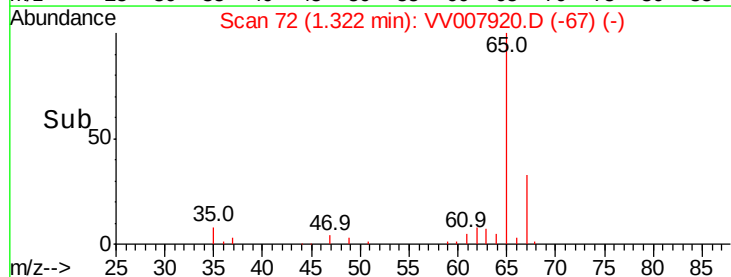
400

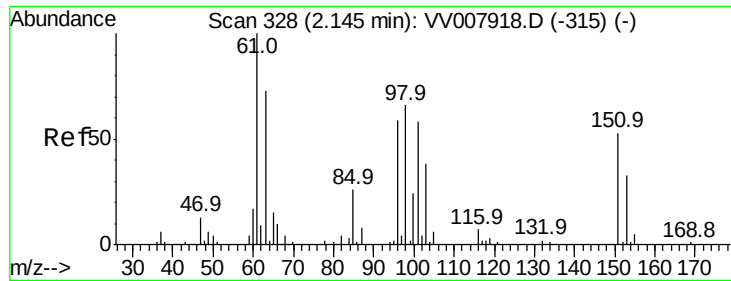
200

0

1.30 1.32 1.34

Time-->





#10

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

Concen: 0.102 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007920.D

Acq: 27 Sep 2018 21:12

Instrument :

MSVOA_V

ClientSampleId :

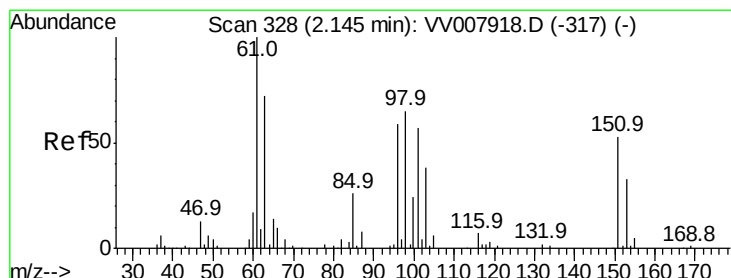
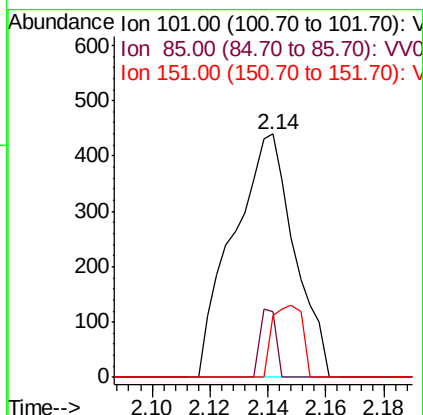
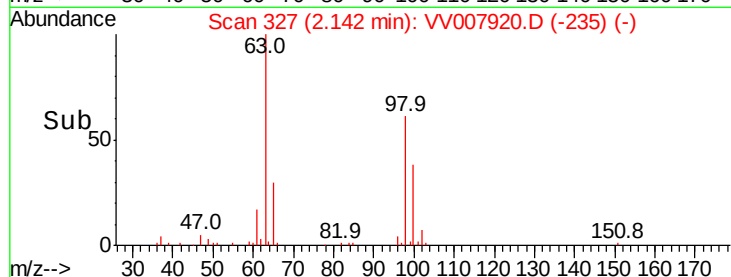
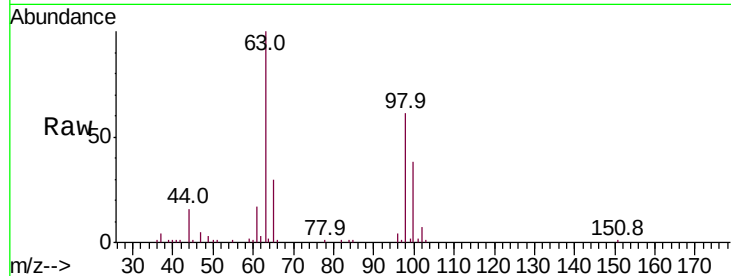
Tot Ion:101 Resp: 645

Ion Ratio Lower Upper

101 100

85 7.3 34.7 52.1#

151 14.4 72.2 108.2#



#12

1,1-Dichloroethene

Concen: 0.210 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007920.D

Acq: 27 Sep 2018 21:12

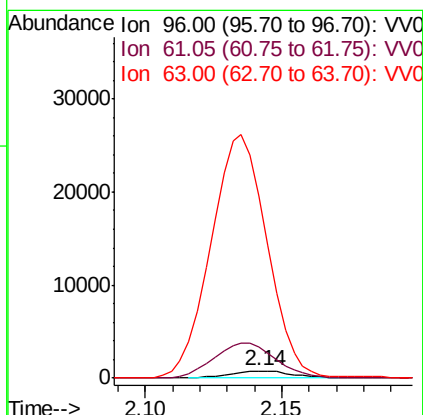
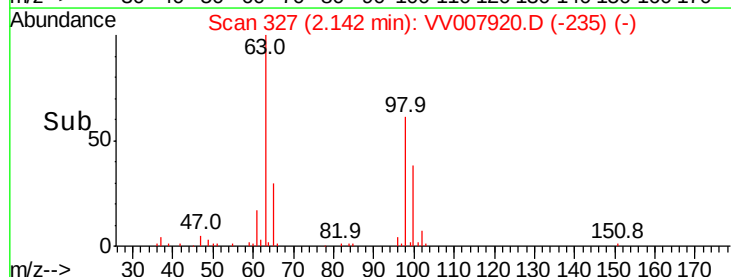
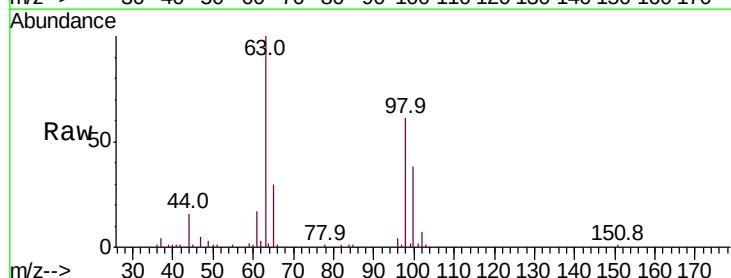
Tgt Ion: 96 Resp: 1190

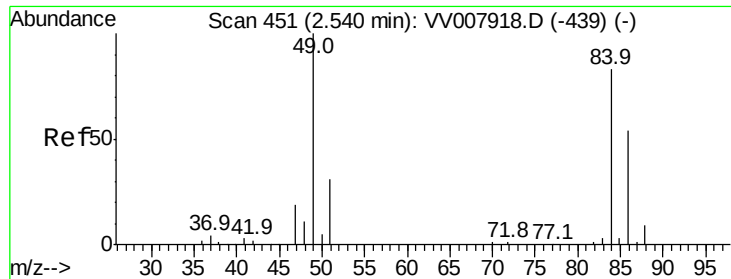
Ion Ratio Lower Upper

96 100

61 434.9 114.1 211.9#

63 2530.4 81.5 151.3#

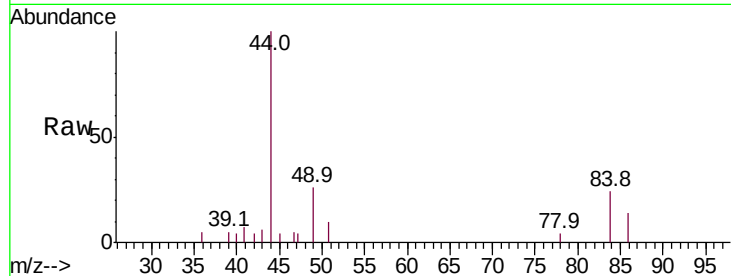




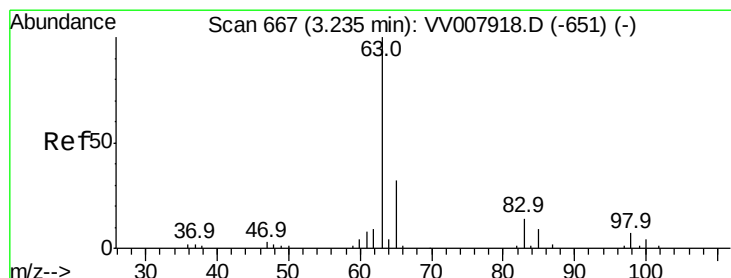
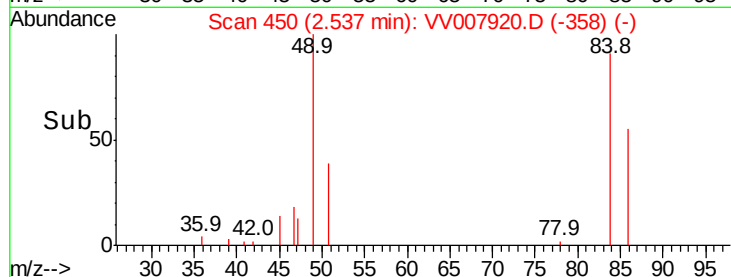
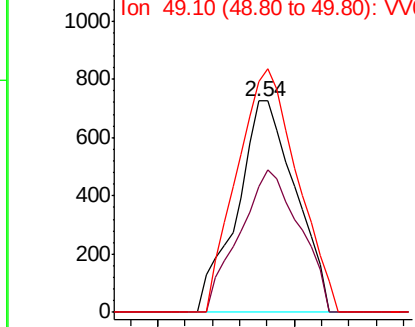
#16
Methylene chloride
Concen: 0.171 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV007920.D
Acq: 27 Sep 2018 21:12

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 84 Resp: 1081
Ion Ratio Lower Upper
84 100
86 59.7 47.3 87.8
49 109.5 90.0 167.2

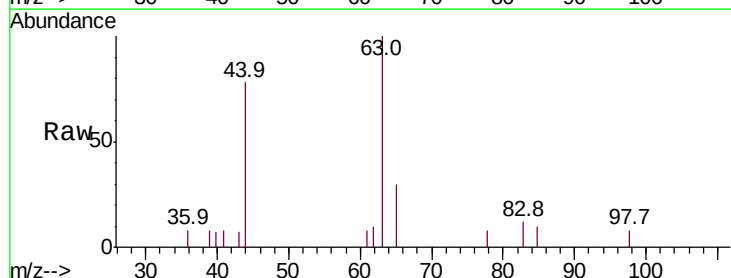


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

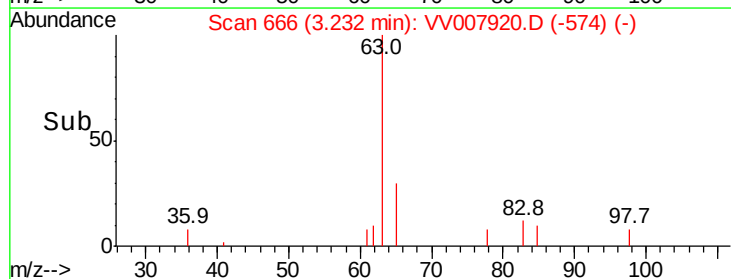
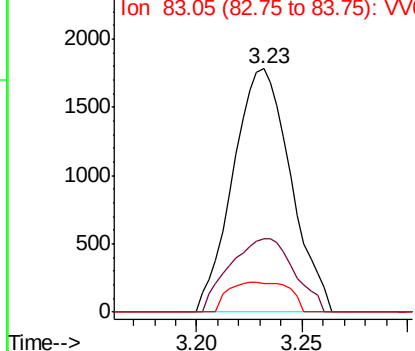


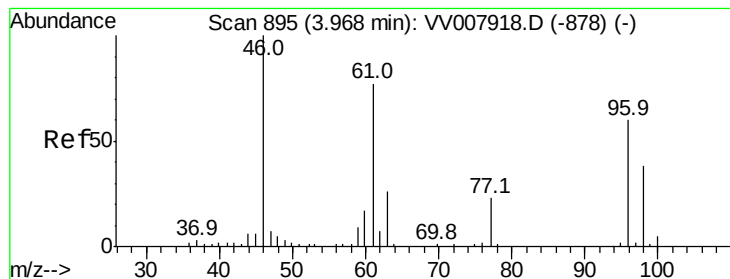
#19
1,1-Dichloroethane
Concen: 0.316 ug/L
RT: 3.23 min Scan# 666
Delta R.T. -0.00 min
Lab File: VV007920.D
Acq: 27 Sep 2018 21:12

Tgt Ion: 63 Resp: 3373
Ion Ratio Lower Upper
63 100
65 30.2 22.3 41.5
83 11.7 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: 1.962 ug/L

RT: 3.97 min Scan# 895

Delta R.T. -0.00 min

Lab File: VV007920.D

Acq: 27 Sep 2018 21:12

Instrument :
MSVOA_V
ClientSampled :

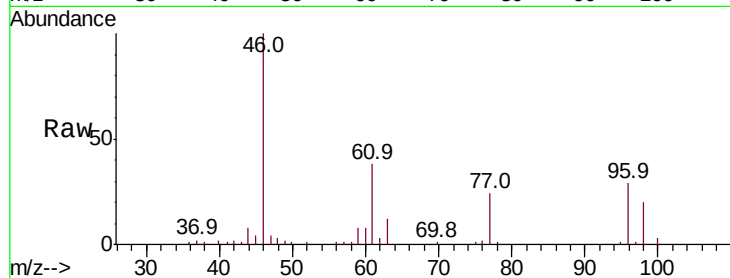
Tot Ion: 96 Resp: 12433

Ion Ratio Lower Upper

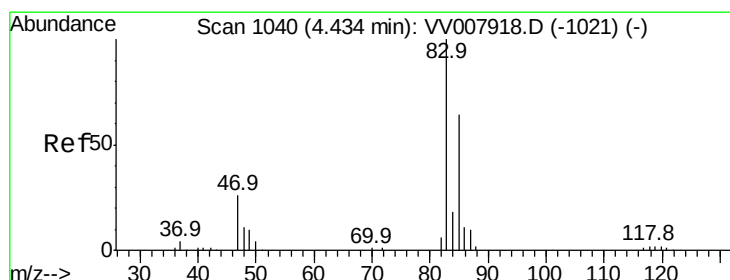
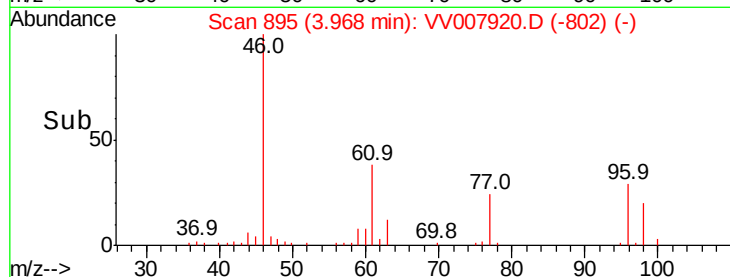
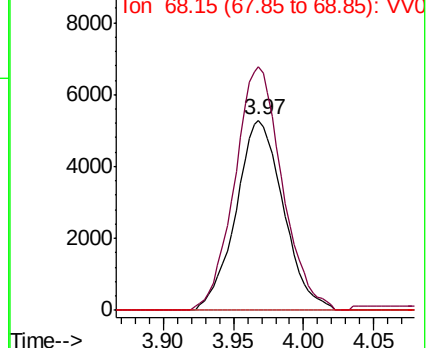
96 100

61 128.1 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: 0.095 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VV007920.D

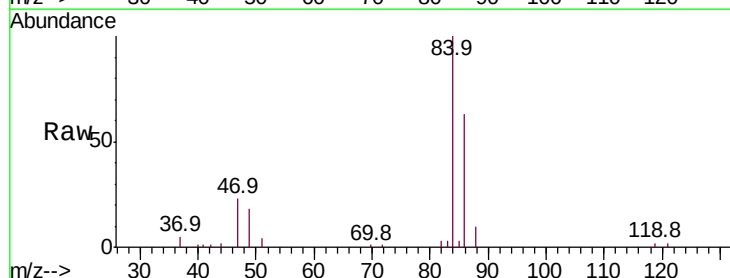
Acq: 27 Sep 2018 21:12

Tgt Ion: 83 Resp: 1101

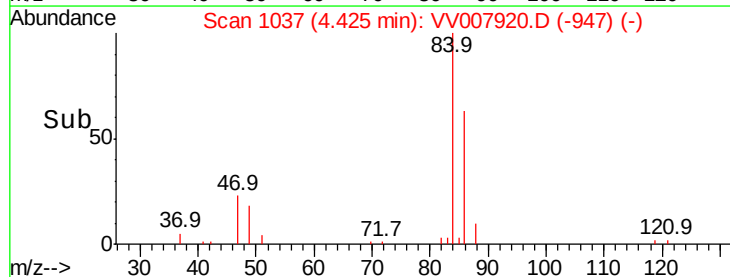
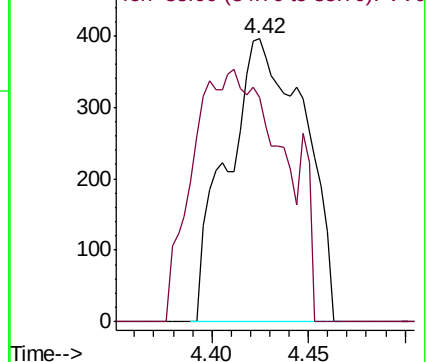
Ion Ratio Lower Upper

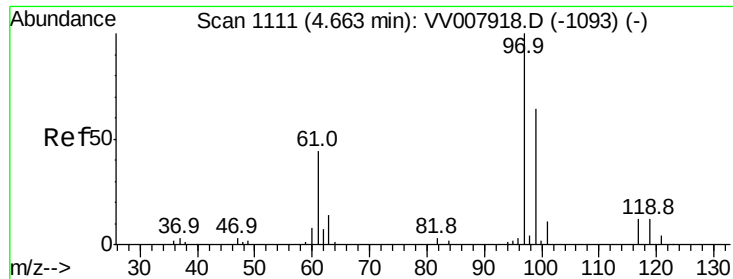
83 100

85 79.3 44.8 83.2



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

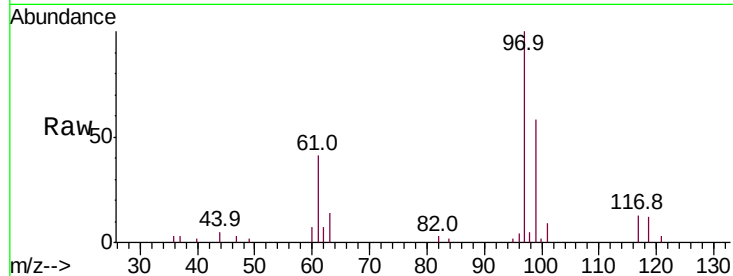




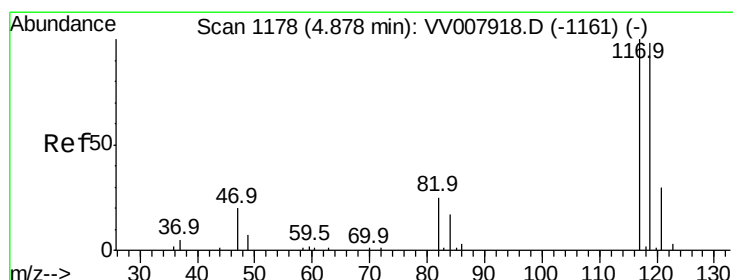
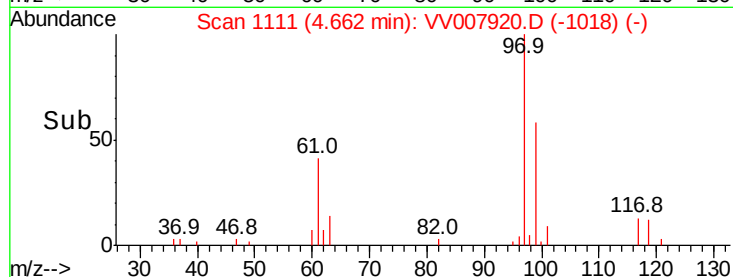
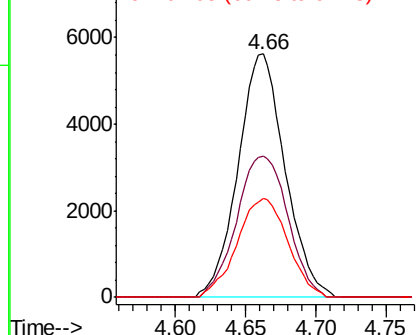
#29
 1,1,1-Trichloroethane
 Concen: 1.350 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VV007920.D
 Acq: 27 Sep 2018 21:12

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 97 Resp: 13138
 Ion Ratio Lower Upper
 97 100
 99 62.9 51.2 76.8
 61 43.6 34.6 52.0

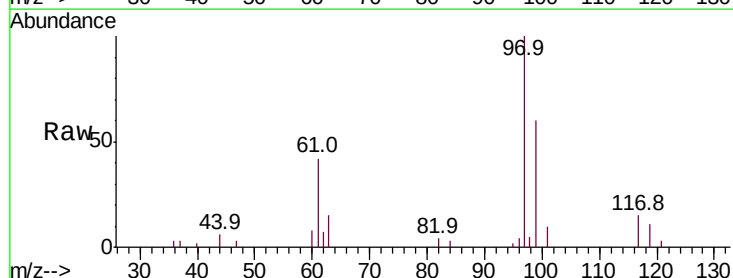


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

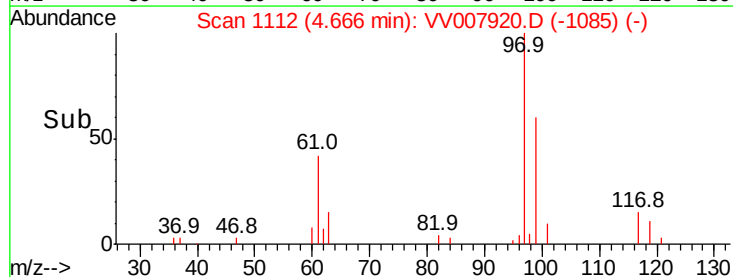
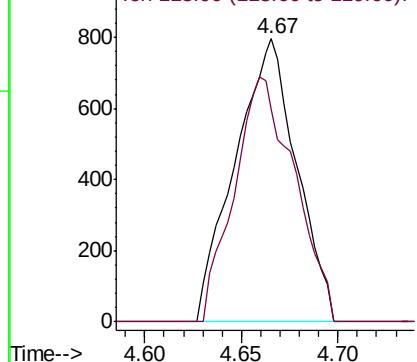


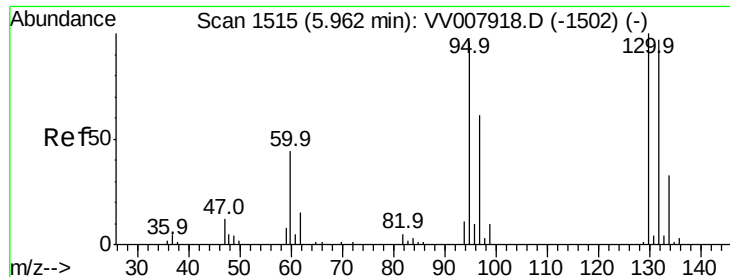
#31
 Carbon tetrachloride
 Concen: 0.205 ug/L
 RT: 4.67 min Scan# 1112
 Delta R.T. -0.21 min
 Lab File: VV007920.D
 Acq: 27 Sep 2018 21:12

Tgt Ion: 117 Resp: 1758
 Ion Ratio Lower Upper
 117 100
 119 85.2 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V





#34

Trichloroethene

Concen: 7.645 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007920.D

Acq: 27 Sep 2018 21:12

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 95 Resp: 50744

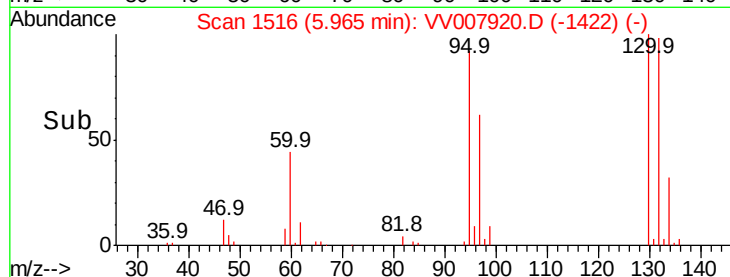
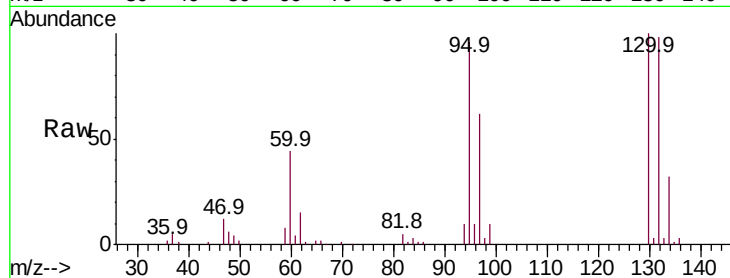
Ion Ratio Lower Upper

95 100

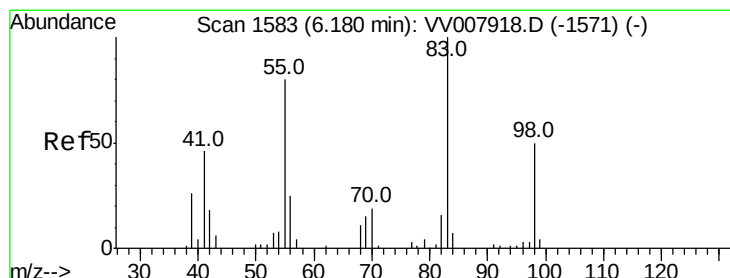
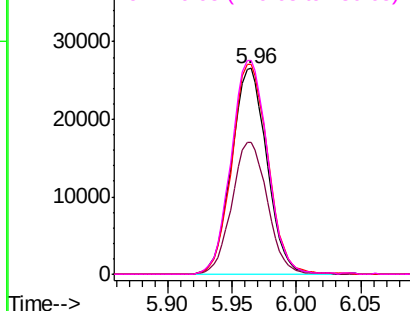
97 64.2 43.6 81.0

132 101.7 69.9 129.9

130 103.7 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: 0.773 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.06 min

Lab File: VV007920.D

Acq: 27 Sep 2018 21:12

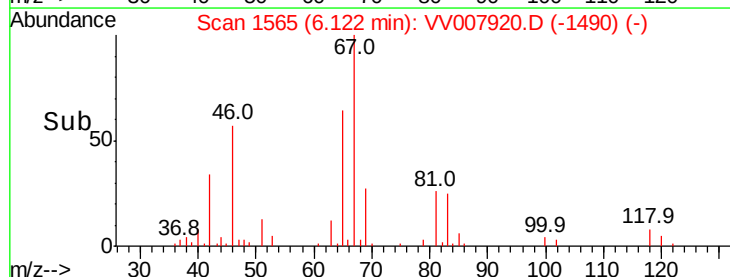
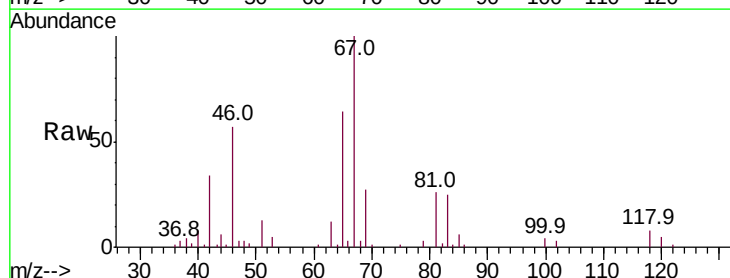
Tgt Ion: 83 Resp: 7692

Ion Ratio Lower Upper

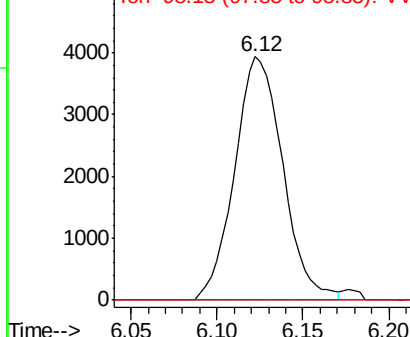
83 100

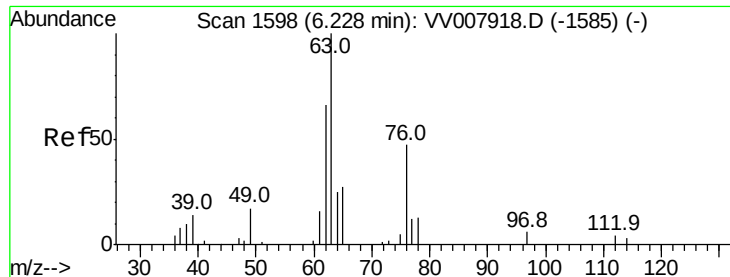
55 0.0 62.2 93.2#

98 0.0 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

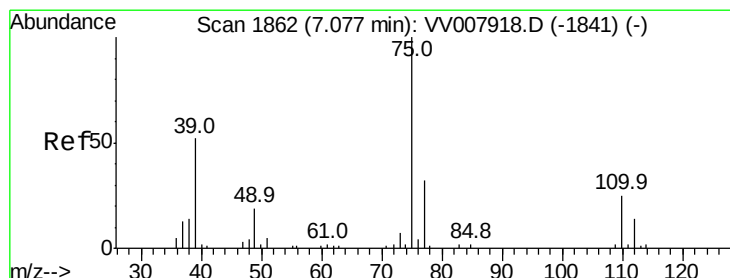
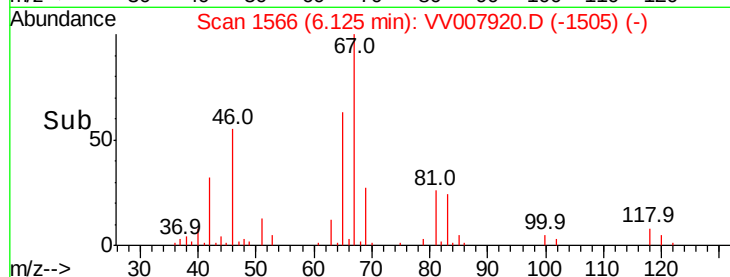
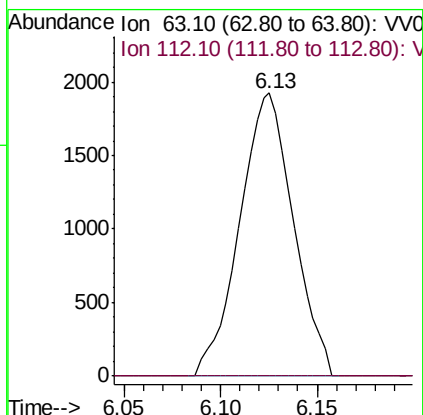
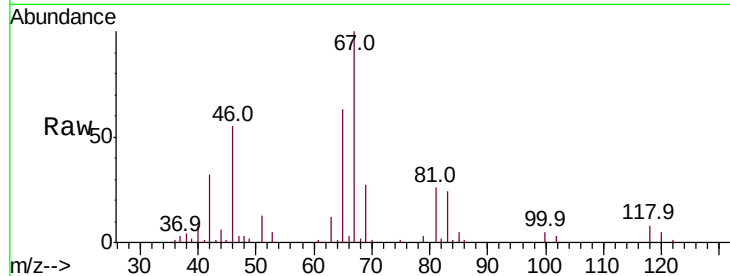




#37
 1,2-Dichloropropane
 Concen: 0.627 ug/L
 RT: 6.13 min Scan# 1566
 Delta R.T. -0.10 min
 Lab File: VV007920.D
 Acq: 27 Sep 2018 21:12

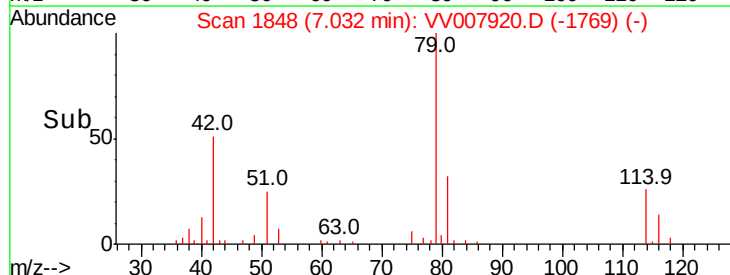
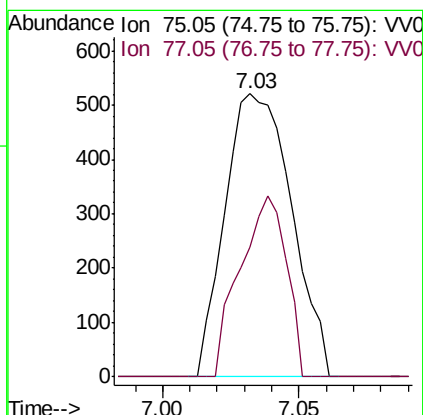
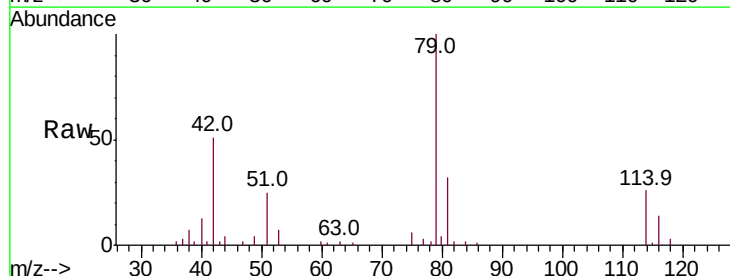
Instrument :
 MSVOA_V
 ClientSampled :

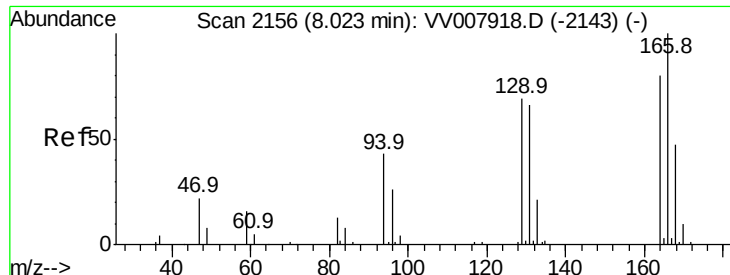
Tot Ion: 63 Resp: 3711
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.05 min
 Lab File: VV007920.D
 Acq: 27 Sep 2018 21:12

Tgt Ion: 75 Resp: 884
 Ion Ratio Lower Upper
 75 100
 77 45.9 22.9 42.5#





#47

Tetrachloroethene

Concen: 0.345 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.00 min

Lab File: VV007920.D

Acq: 27 Sep 2018 21:12

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 2122

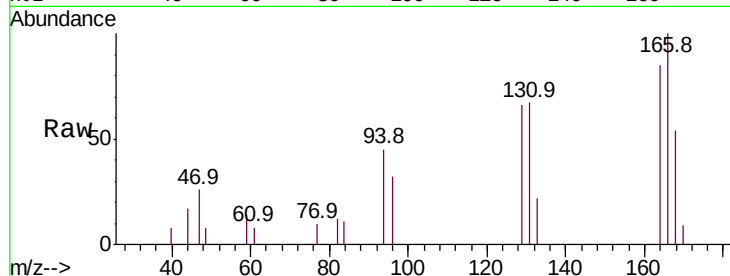
Ion Ratio Lower Upper

164 100

129 77.3 59.2 110.0

131 78.3 57.1 106.1

166 117.5 88.6 164.6

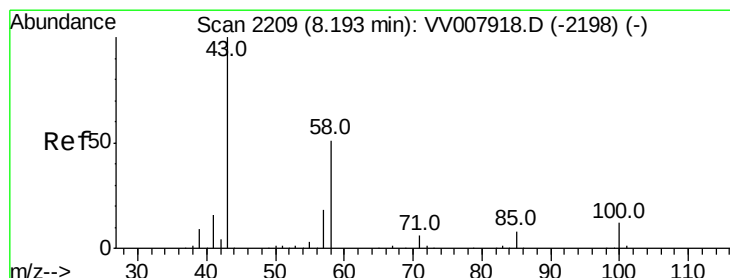
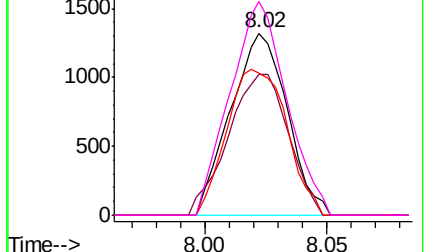
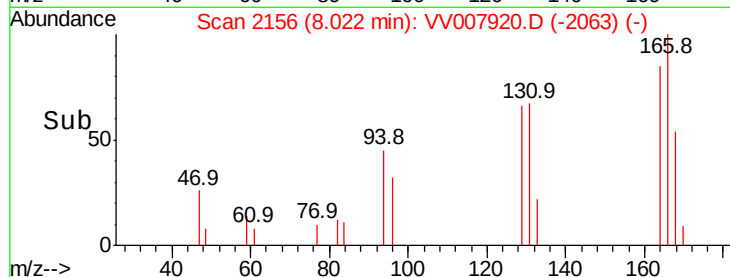


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 2.865 ug/L

RT: 8.14 min Scan# 2194

Delta R.T. -0.05 min

Lab File: VV007920.D

Acq: 27 Sep 2018 21:12

Tgt Ion: 43 Resp: 7406

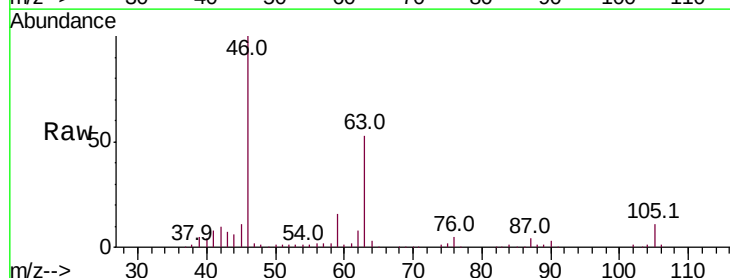
Ion Ratio Lower Upper

43 100

58 35.1 41.9 62.9#

57 26.7 14.3 21.5#

100 0.3 9.2 13.8#

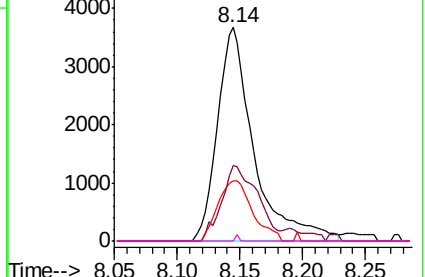
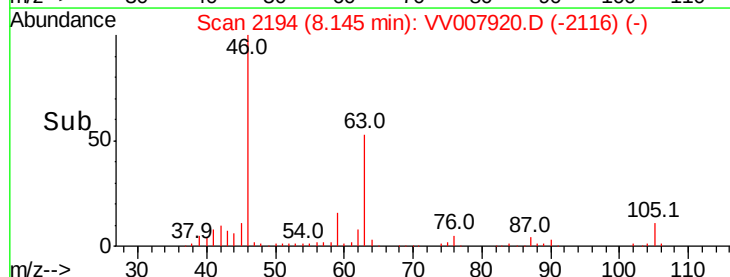


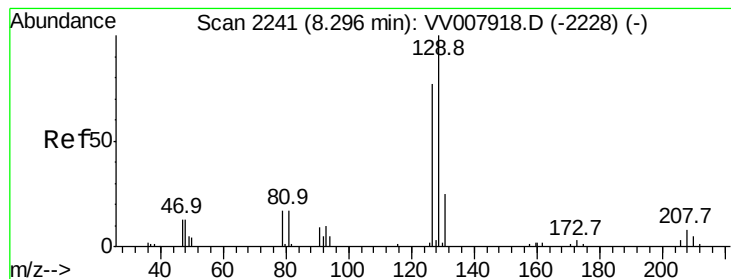
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 0.333 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.27 min

Lab File: VV007920.D

Acq: 27 Sep 2018 21:12

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 1623

Ion Ratio Lower Upper

129 100

127 0.0 53.1 98.5#

