

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100218\
 Data File : VR025926.D
 Acq On : 2 Oct 2018 14:11
 Operator : SY/MD
 Sample : J5160-09
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 03 02:54:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 03 02:53:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	471923	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	405550	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	137613	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	139815	3.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.20%
7) Chloroethane-d5	2.63	69	133849	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	3.63	63	251778	2.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.60%#
20) 2-Butanone-d5	6.59	46	208621	50.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.56%
24) Chloroform-d	7.20	84	261153	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.60%
26) 1,2-Dichloroethane-d4	7.90	65	122179	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
32) Benzene-d6	7.86	84	502200	3.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.40%
36) 1,2-Dichloropropane-d6	8.90	67	149004	4.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.00%
41) Toluene-d8	9.97	98	434818	3.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.60%#
43) trans-1,3-Dichloropropene-	10.24	79	31178	3.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.60%
46) 2-Hexanone-d5	10.59	63	160926	51.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.22%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	62899	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	90263	4.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	19129	0.667 ug/L	98
9) Trichlorofluoromethane	2.94	101	8207	0.146 ug/L #	1
12) 1,1-Dichloroethene	3.65	96	3841	0.108 ug/L #	1
19) 1,1-Dichloroethane	5.69	63	108112	1.853 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	16267	0.549 ug/L #	93
29) 1,1,1-Trichloroethane	7.43	97	11880	0.260 ug/L	98
34) Trichloroethene	8.71	95	22103	0.617 ug/L	94
35) Methylcyclohexane	8.90	83	33660	0.625 ug/L #	15
44) trans-1,3-Dichloropropene	10.23	75	2761	0.129 ug/L	96
45) 1,1,2-Trichloroethane	10.51	97	52940	4.011 ug/L #	29
47) Tetrachloroethene	10.51	164	5311976	240.523 ug/L	83
48) 2-Hexanone	10.59	43	26616	3.962 ug/L #	72
49) Dibromochloromethane	10.51	129	4324773	322.858 ug/L #	11
63) 1,4-Dichlorobenzene	13.24	146	2001	0.049 ug/L #	80
66) 1,2-Dibromo-3-chloropropan	14.11	75	430	0.316 ug/L #	24

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Quant Time: Oct 03 02:54:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 03 02:53:45 2018
Response via : Initial Calibration

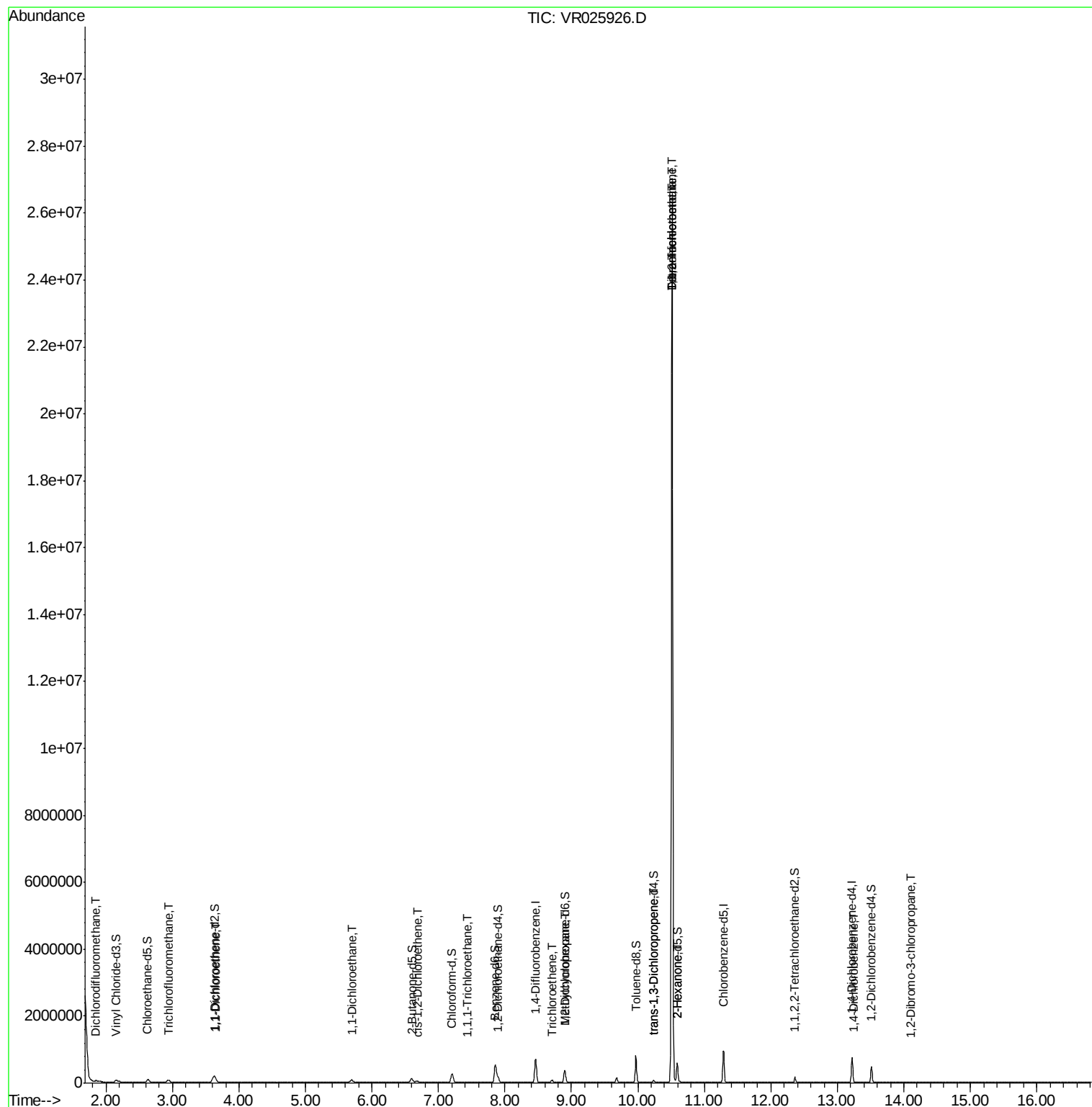
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

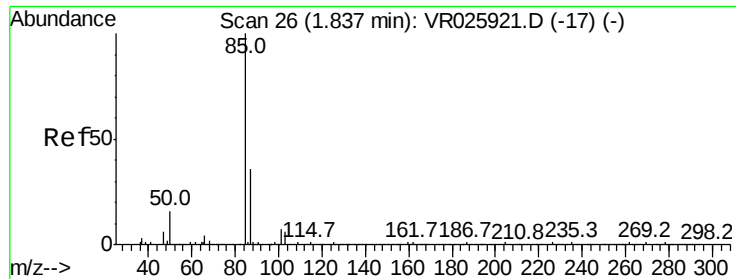
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 03 02:53:45 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.667 ug/L

RT: 1.84 min Scan# 27

Delta R.T. 0.01 min

Lab File: VR025926.D

Acq: 2 Oct 2018 14:11

Instrument :

MSVOA_R

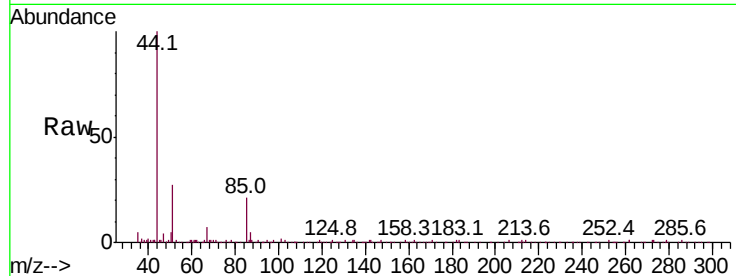
ClientSampleId :

Tot Ion: 85 Resp: 19129

Ion Ratio Lower Upper

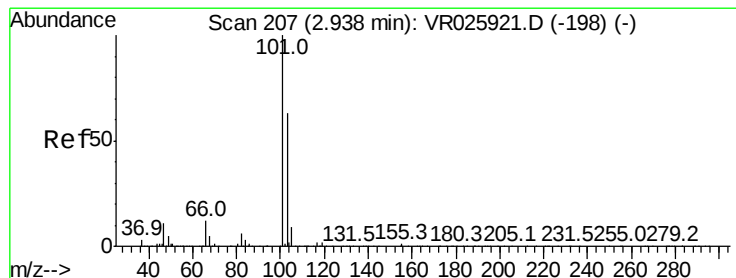
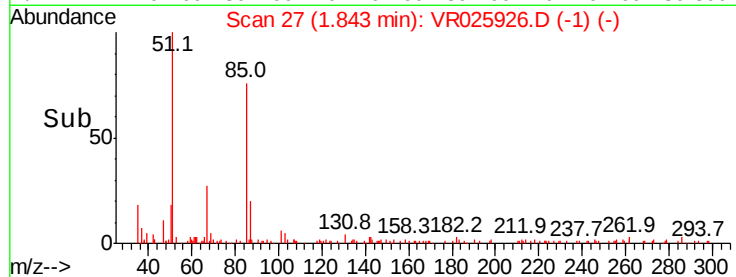
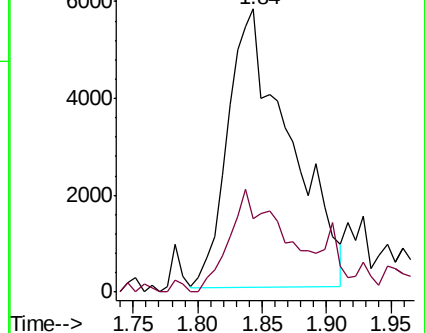
85 100

87 32.7 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#9

Trichlorofluoromethane

Concen: 0.146 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.00 min

Lab File: VR025926.D

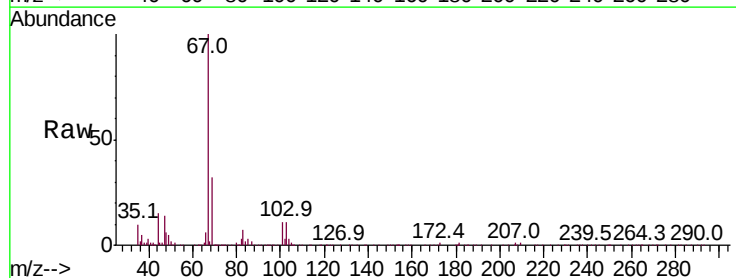
Acq: 2 Oct 2018 14:11

Tgt Ion: 101 Resp: 8207

Ion Ratio Lower Upper

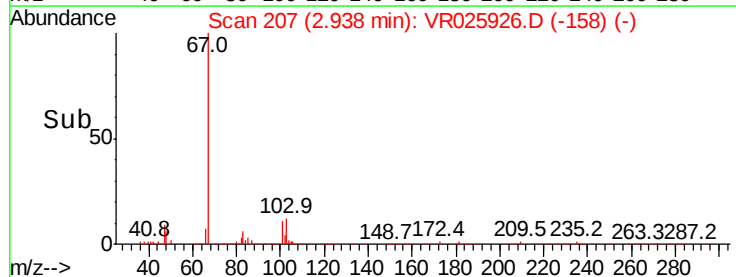
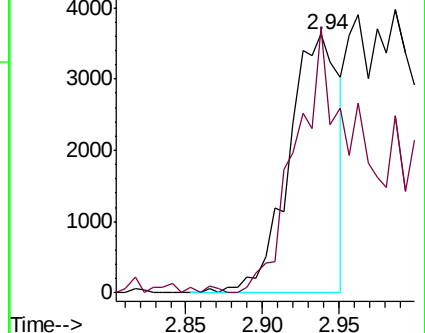
101 100

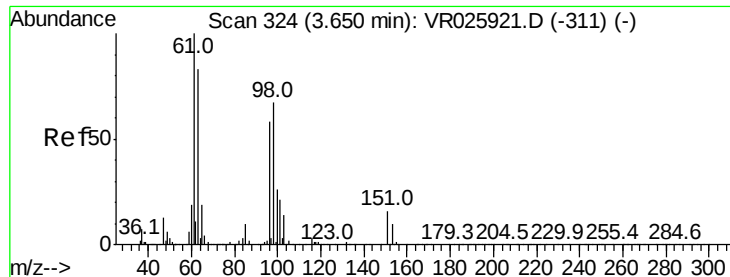
103 124.2 22.1 33.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1-Dichloroethene

Concen: 0.108 ug/L

RT: 3.65 min Scan# 324

Delta R.T. 0.00 min

Lab File: VR025926.D

Acq: 2 Oct 2018 14:11

Instrument :
MSVOA_R
ClientSampled :

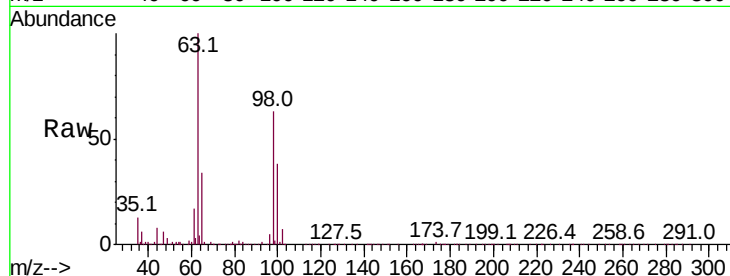
Tot Ion: 96 Resp: 3841

Ion Ratio Lower Upper

96 100

61 362.6 145.0 269.4#

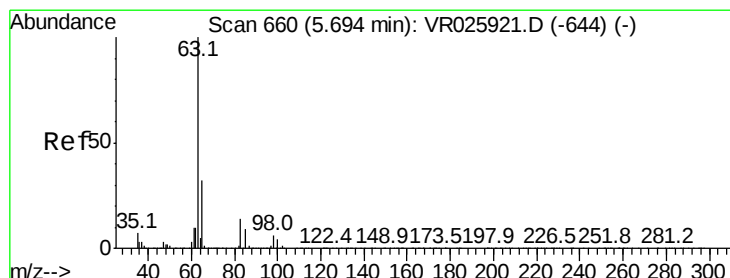
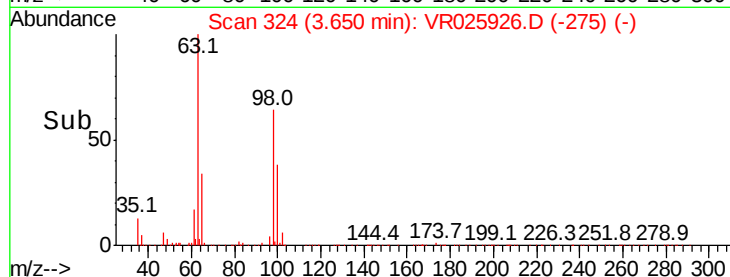
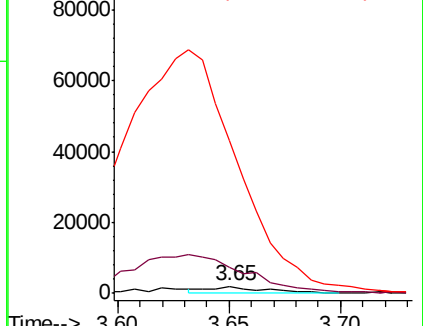
63 2137.7 123.8 230.0#



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0



#19

1,1-Dichloroethane

Concen: 1.853 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.00 min

Lab File: VR025926.D

Acq: 2 Oct 2018 14:11

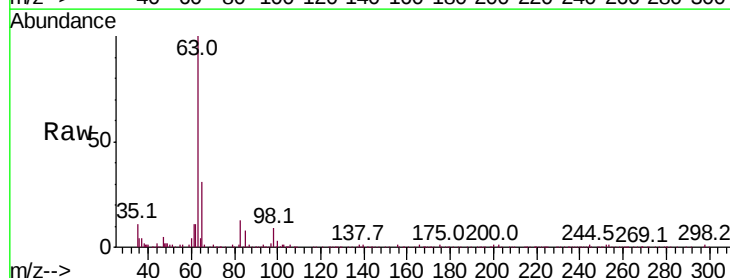
Tgt Ion: 63 Resp: 108112

Ion Ratio Lower Upper

63 100

65 31.3 21.1 39.1

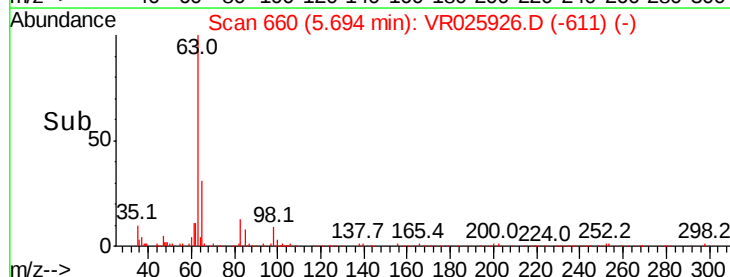
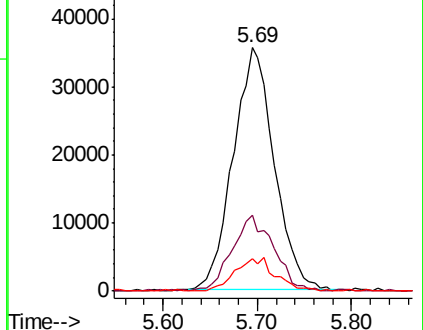
83 13.4 8.9 16.5

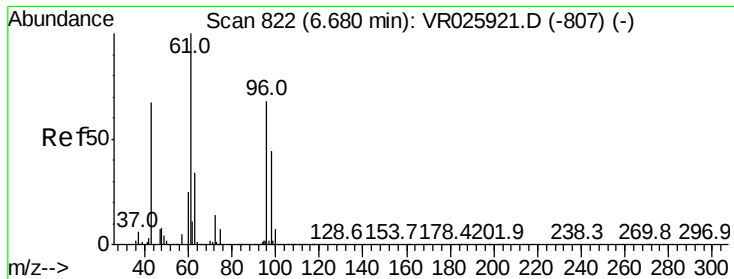


Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



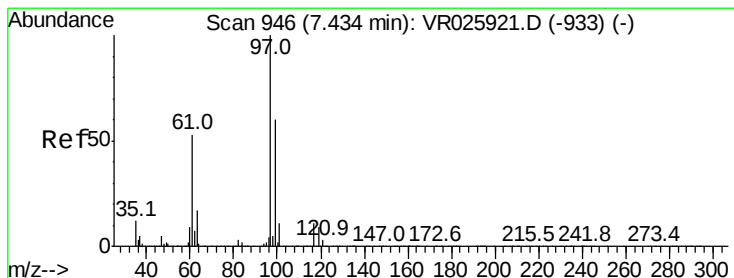
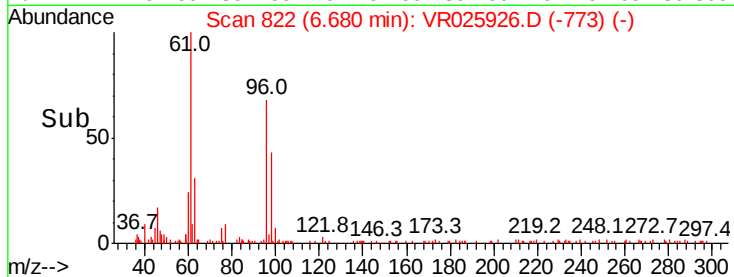
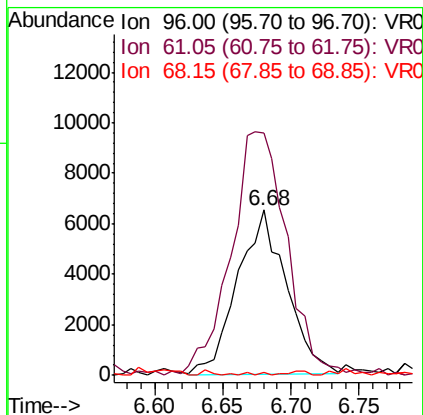
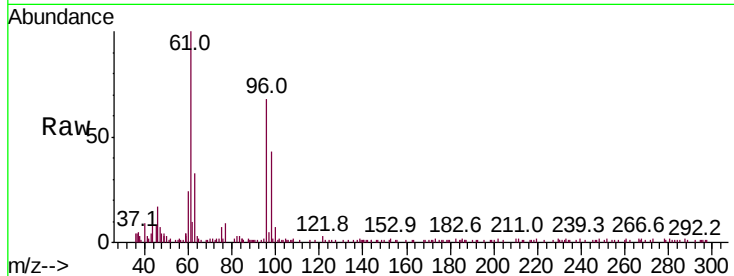


#22

cis-1,2-Dichloroethene
 Concen: 0.549 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: VR025926.D
 Acq: 2 Oct 2018 14:11

Instrument :
 MSVOA_R
 ClientSampleId :

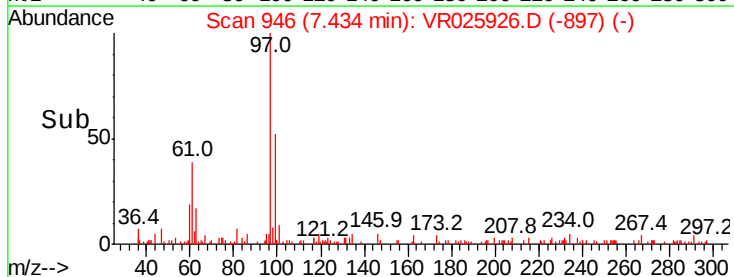
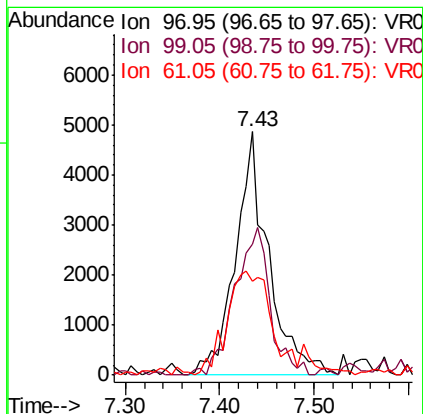
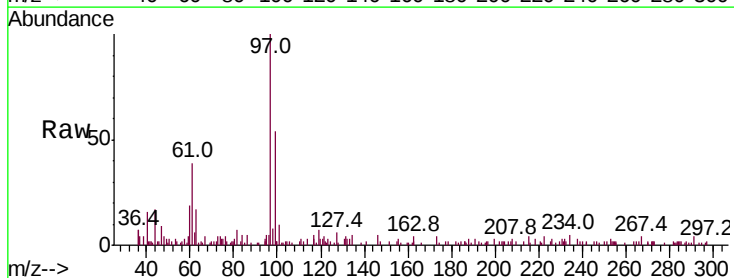
Tot Ion	96	Resp	16267
Ion Ratio	Lower	Upper	
96	100		
61	146.5	108.7	201.9
68	1.5	0.1	0.1#

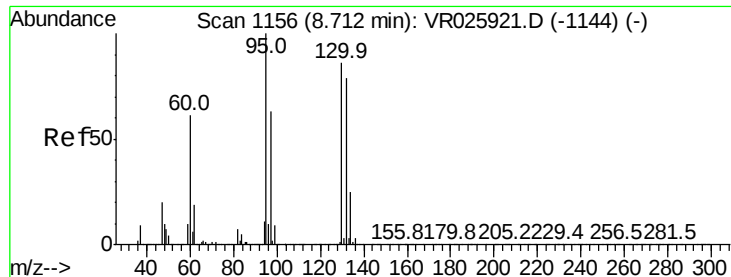


#29

1,1,1-Trichloroethane
 Concen: 0.260 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VR025926.D
 Acq: 2 Oct 2018 14:11

Tgt Ion	97	Resp	11880
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.0	76.6
61	54.4	41.6	62.4





#34

Trichloroethene

Concen: 0.617 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VR025926.D

Acq: 2 Oct 2018 14:11

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 95 Resp: 22103

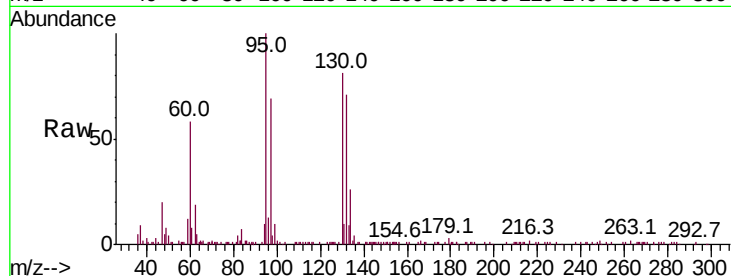
Ion Ratio Lower Upper

95 100

97 68.8 43.9 81.5

132 71.3 53.3 98.9

130 80.7 53.8 99.8

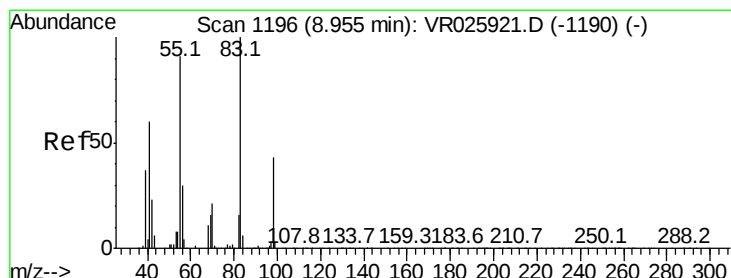
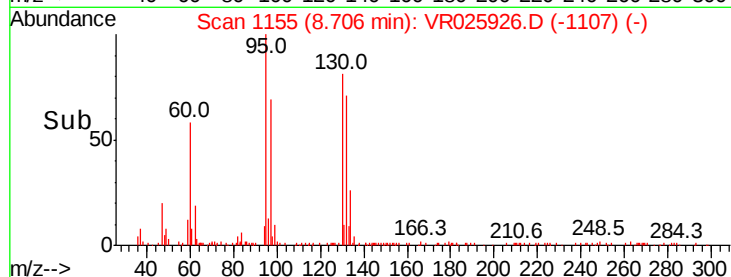
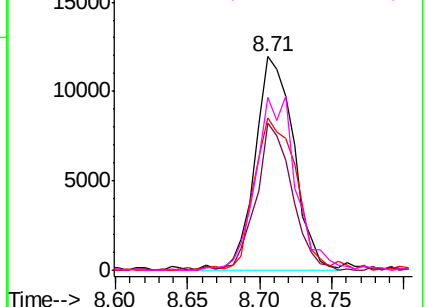


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.625 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.05 min

Lab File: VR025926.D

Acq: 2 Oct 2018 14:11

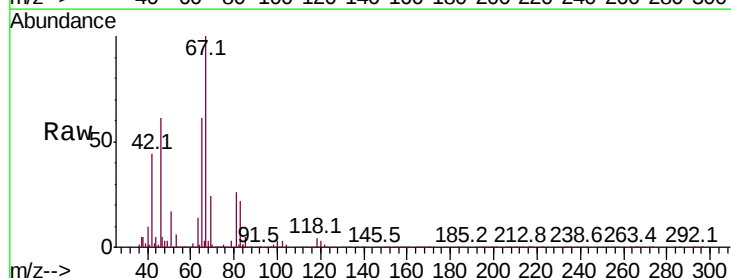
Tgt Ion: 83 Resp: 33660

Ion Ratio Lower Upper

83 100

55 0.0 71.8 107.6#

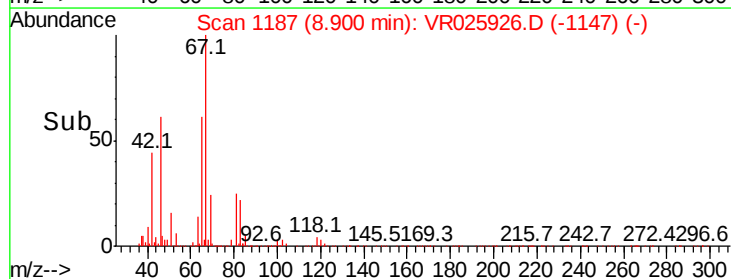
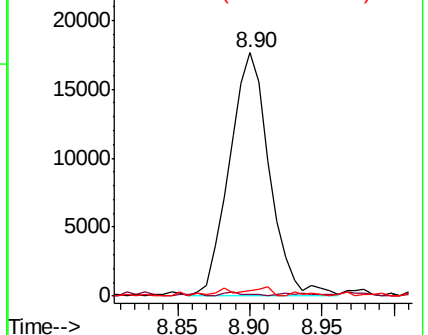
98 1.8 34.2 51.4#

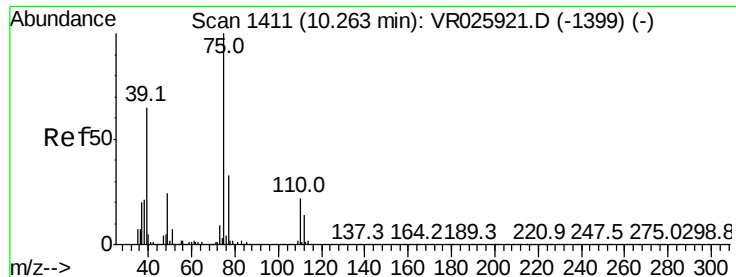


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#44

trans-1,3-Dichloropropene

Concen: 0.129 ug/L

RT: 10.23 min Scan# 1406

Delta R.T. -0.03 min

Lab File: VR025926.D

Acq: 2 Oct 2018 14:11

Instrument :

MSVOA_R

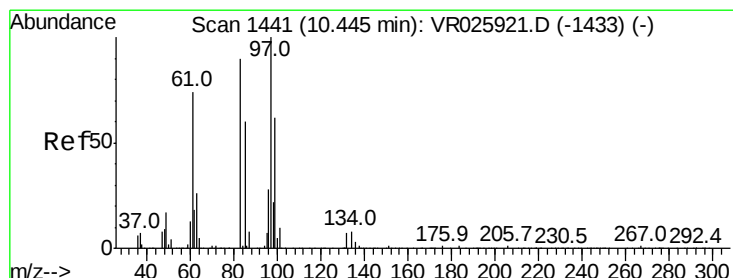
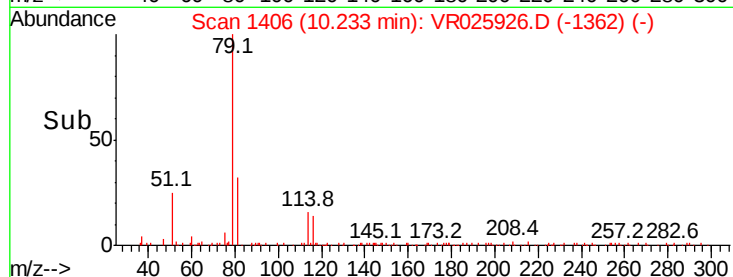
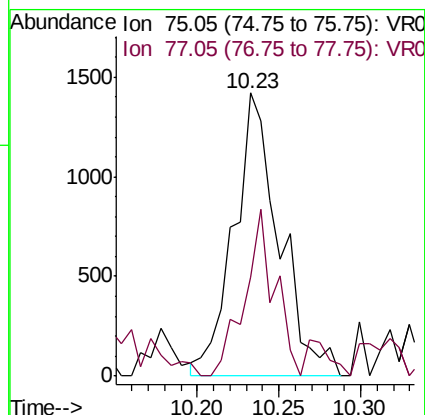
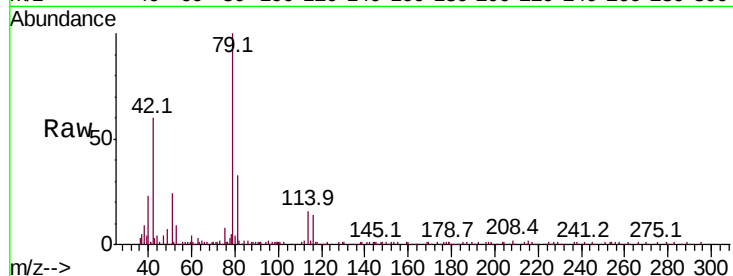
ClientSampleId :

Tot Ion: 75 Resp: 2761

Ion Ratio Lower Upper

75 100

77 35.1 23.0 42.8



#45

1,1,2-Trichloroethane

Concen: 4.011 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.07 min

Lab File: VR025926.D

Acq: 2 Oct 2018 14:11

Tgt Ion: 97 Resp: 52940

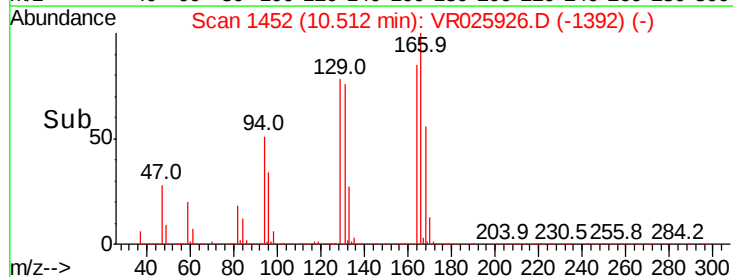
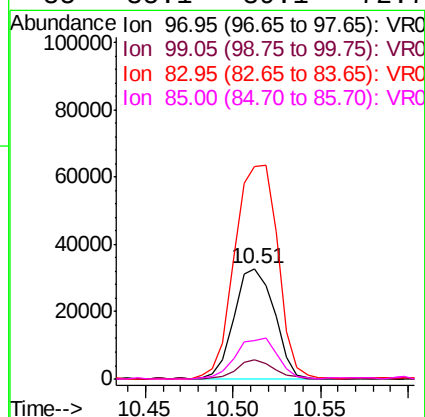
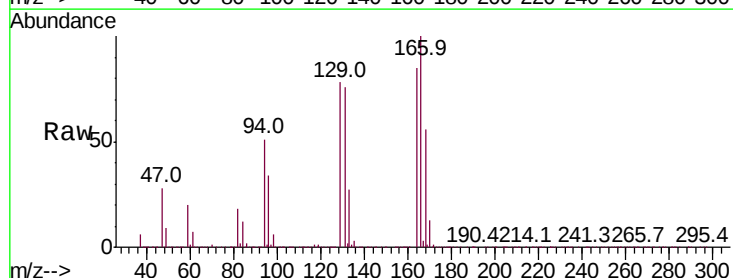
Ion Ratio Lower Upper

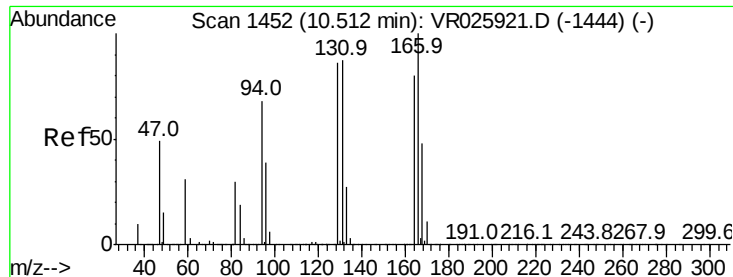
97 100

99 17.8 39.6 73.6#

83 192.0 62.2 115.6#

85 35.1 39.1 72.7#





#47

Tetrachloroethene

Concen: 240.523 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR025926.D

Acq: 2 Oct 2018 14:11

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:164 Resp: 5311976

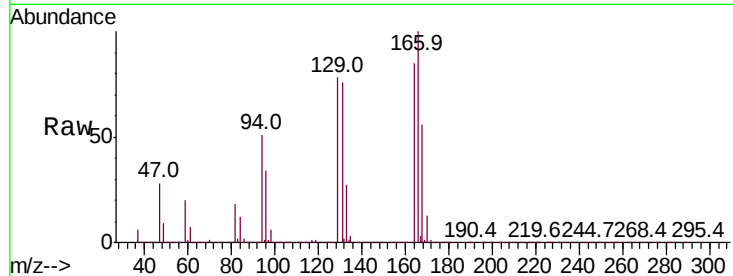
Ion Ratio Lower Upper

164 100

129 92.0 80.8 150.2

131 89.0 74.5 138.3

166 117.8 92.5 171.7

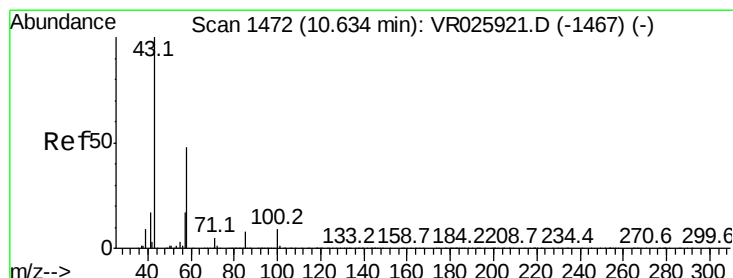
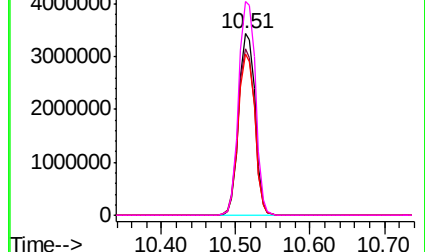
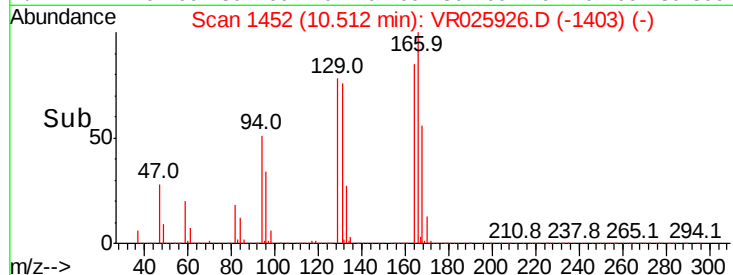


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.962 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

Lab File: VR025926.D

Acq: 2 Oct 2018 14:11

Tgt Ion: 43 Resp: 26616

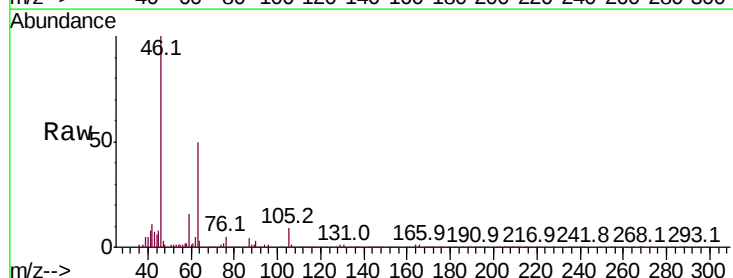
Ion Ratio Lower Upper

43 100

58 24.7 39.5 59.3#

57 21.2 14.6 21.8

100 0.3 6.7 10.1#

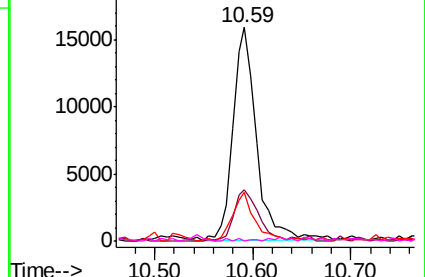
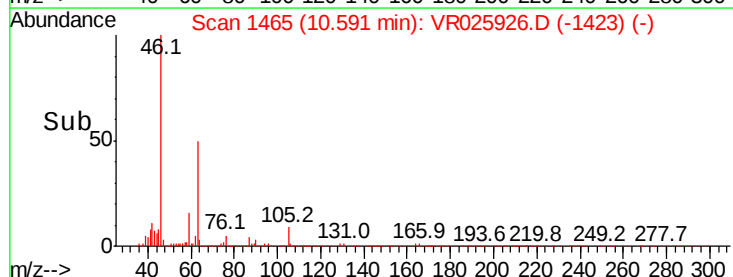


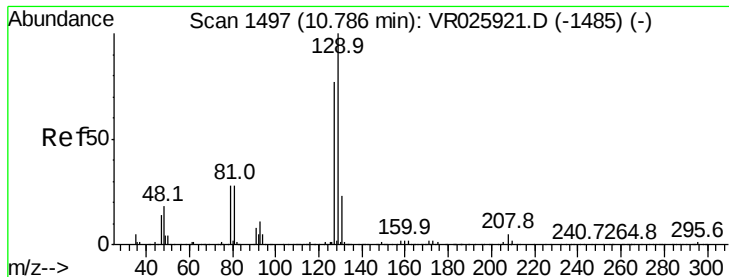
Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0





#49

Dibromochloromethane

Concen: 322.858 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.27 min

Lab File: VR025926.D

Acq: 2 Oct 2018 14:11

Instrument :

MSVOA_R

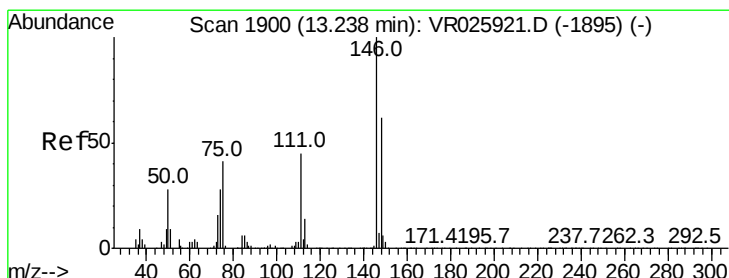
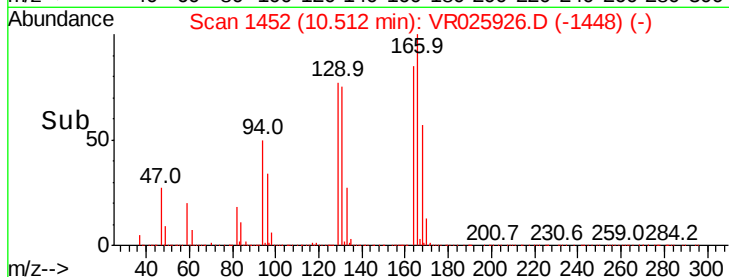
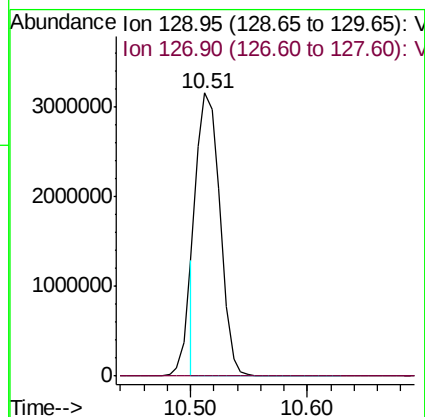
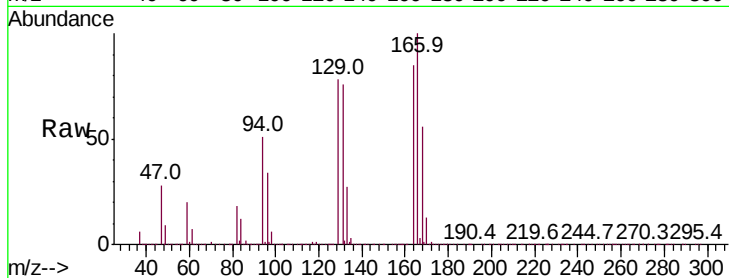
ClientSampleId :

Tot Ion:129 Resp: 4324773

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



#63

1,4-Dichlorobenzene

Concen: 0.049 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.01 min

Lab File: VR025926.D

Acq: 2 Oct 2018 14:11

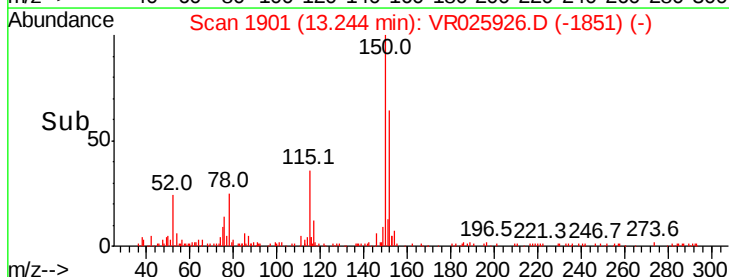
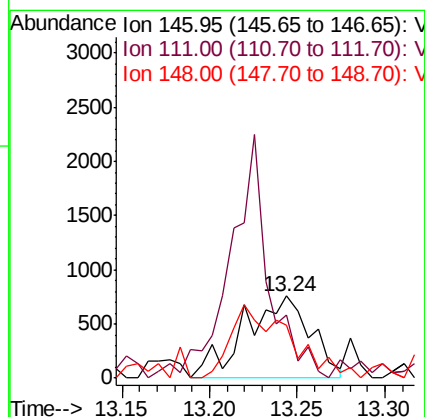
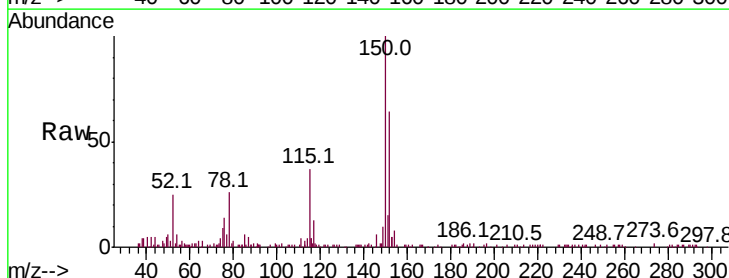
Tgt Ion:146 Resp: 2001

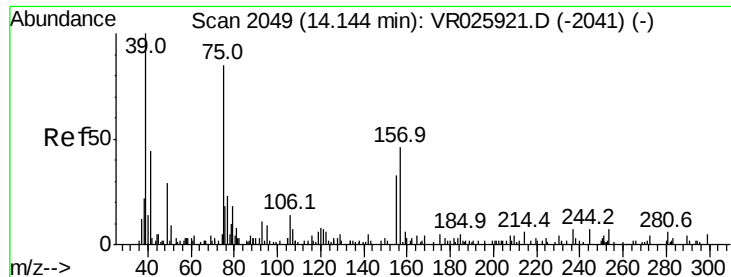
Ion Ratio Lower Upper

146 100

111 77.9 32.9 61.1#

148 65.4 45.5 84.5





#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.316 ug/L
 RT: 14.11 min Scan# 2043
 Delta R.T. -0.04 min
 Lab File: VR025926.D
 Acq: 2 Oct 2018 14:11

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion: 75 Resp: 430
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.8 56.6#
 157 0.0 49.7 74.5#

