

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111918\
 Data File : VV008649.D
 Acq On : 19 Nov 2018 14:25
 Operator : SY/MD
 Sample : J5995-05
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FJ9

Quant Time: Nov 20 07:00:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 20 06:56:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	149378	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	136068	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	59076	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28092	4.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.80%
7) Chloroethane-d5	1.59	69	23771	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.14	63	44991	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	3.96	46	111992	47.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.34%
24) Chloroform-d	4.41	84	80144	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.09	65	42559	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.10	84	155257	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.12	67	51133	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.36	98	139554	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	7.67	79	17493	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
46) 2-Hexanone-d5	8.14	63	83958	42.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.92%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	36149	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	48300	4.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

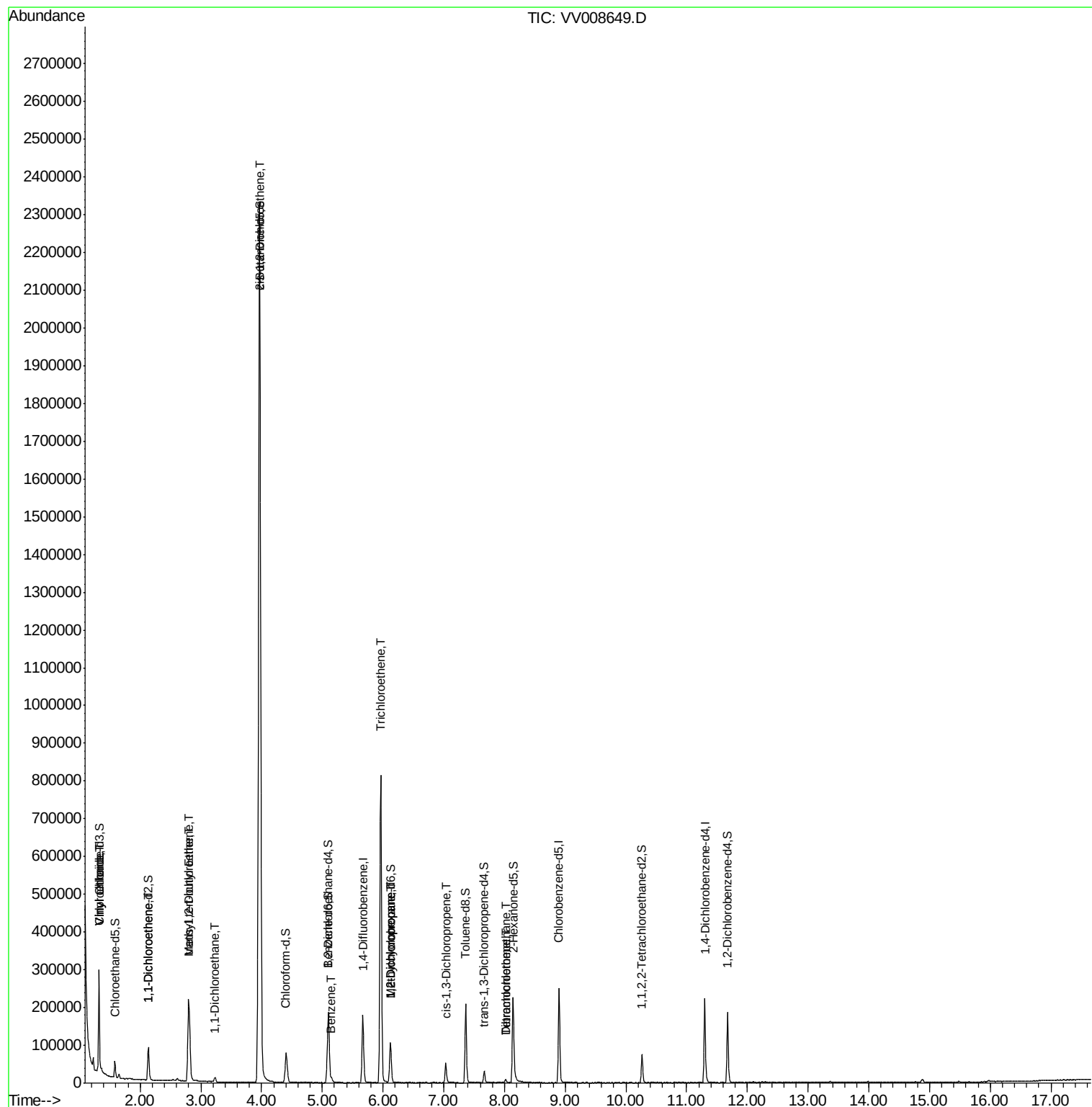
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	1.33	62	124141	13.141	ug/L	97
8) Chloroethane	1.33	64	38104	6.884	ug/L #	44
12) 1,1-Dichloroethene	2.14	96	2195	0.317	ug/L #	1
17) Methyl tert-butyl Ether	2.81	73	140499	7.623	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	48885	6.503	ug/L	95
19) 1,1-Dichloroethane	3.23	63	11780	0.619	ug/L	94
22) cis-1,2-Dichloroethene	3.97	96	1261938	111.218	ug/L	99
33) Benzene	5.15	78	10721	0.249	ug/L	100
34) Trichloroethene	5.96	95	283738	24.884	ug/L	99
35) Methylcyclohexane	6.12	83	12172	0.630	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	5638	0.497	ug/L #	89
39) cis-1,3-Dichloropropene	7.03	75	1381	0.091	ug/L #	75
47) Tetrachloroethene	8.02	164	1992	0.241	ug/L	88
49) Dibromochloromethane	8.02	129	1883	0.229	ug/L #	10

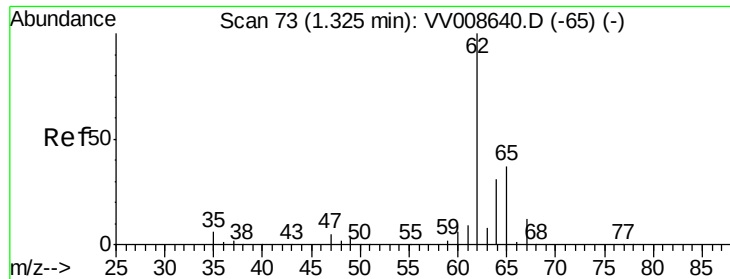
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 13.141 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008649.D

Acq: 19 Nov 2018 14:25

Instrument :

MSVOA_V

ClientSampleId :

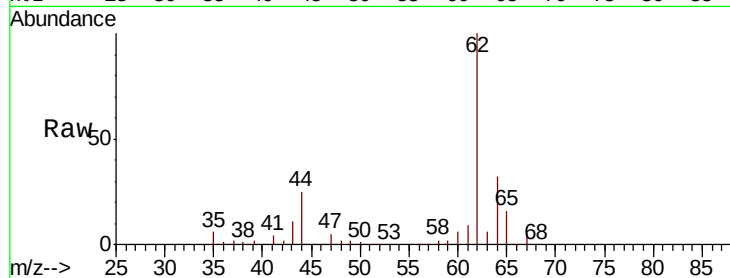
H0FJ9

Tgt Ion: 62 Resp: 124141

Ion Ratio Lower Upper

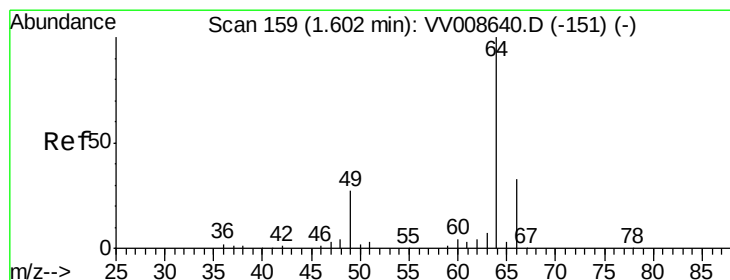
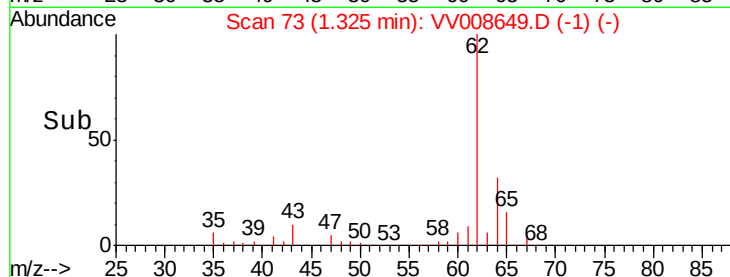
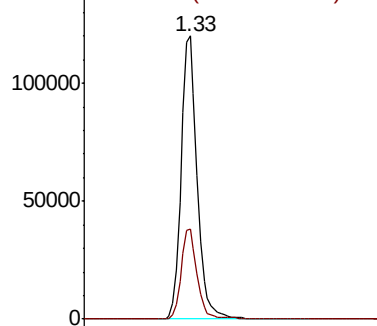
62 100

64 31.8 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 6.884 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.28 min

Lab File: VV008649.D

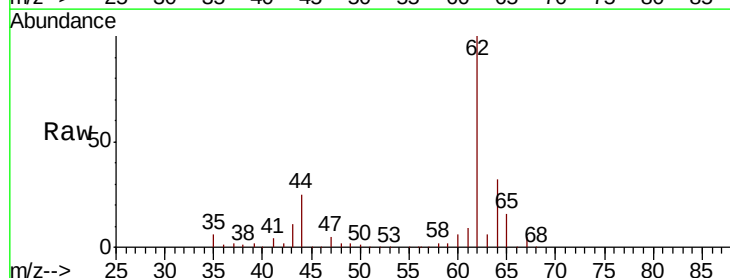
Acq: 19 Nov 2018 14:25

Tgt Ion: 64 Resp: 38104

Ion Ratio Lower Upper

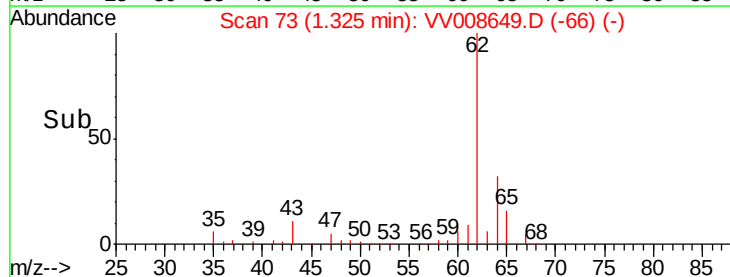
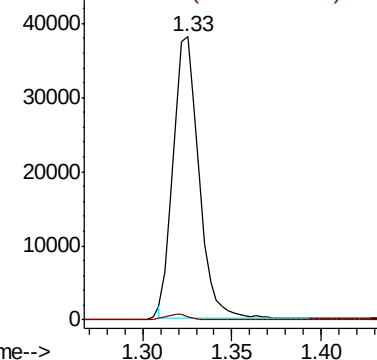
64 100

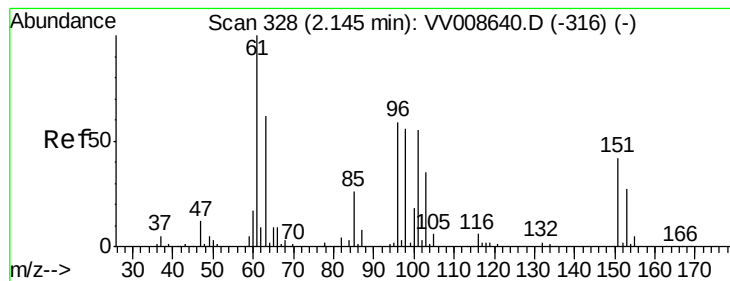
66 1.3 22.7 42.3#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#12

1,1-Dichloroethene

Concen: 0.317 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008649.D

Acq: 19 Nov 2018 14:25

Instrument :

MSVOA_V

ClientSampleId :

H0FJ9

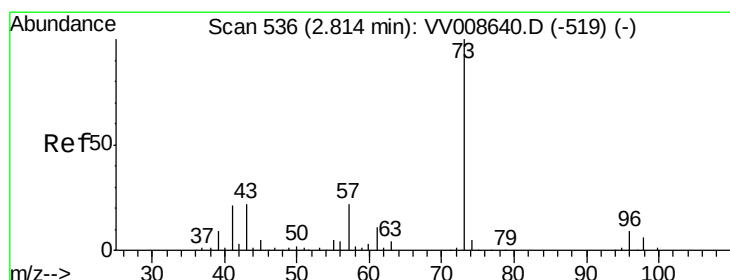
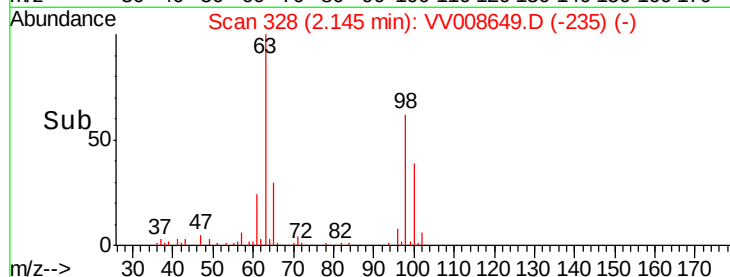
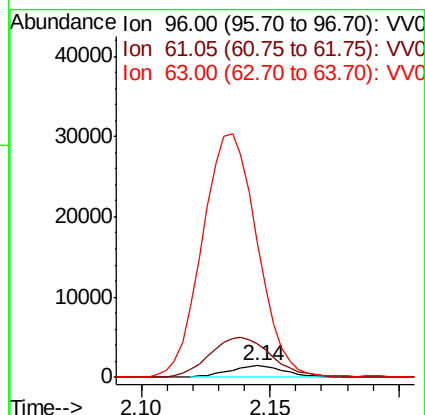
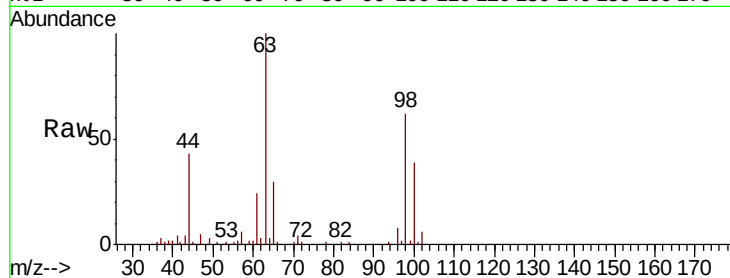
Tgt Ion: 96 Resp: 2195

Ion Ratio Lower Upper

96 100

61 291.9 120.3 223.5#

63 1194.4 82.5 153.3#



#17

Methyl tert-butyl Ether

Concen: 7.623 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV008649.D

Acq: 19 Nov 2018 14:25

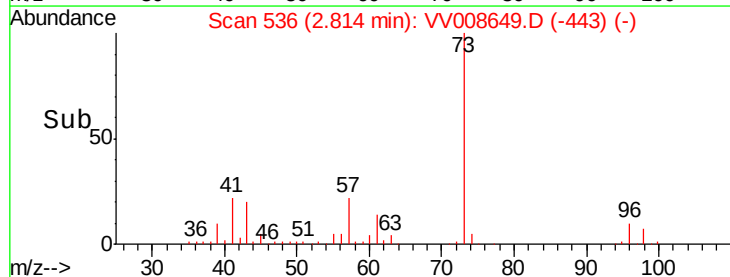
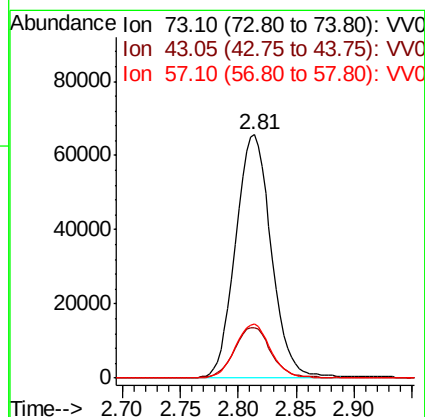
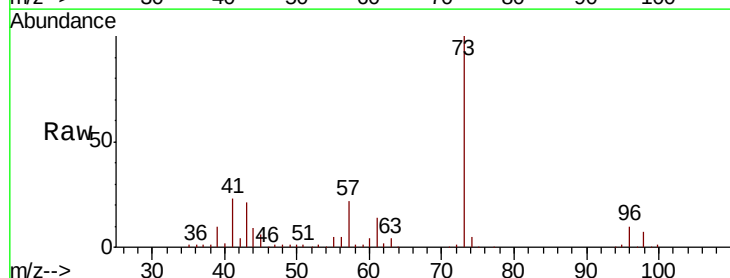
Tgt Ion: 73 Resp: 140499

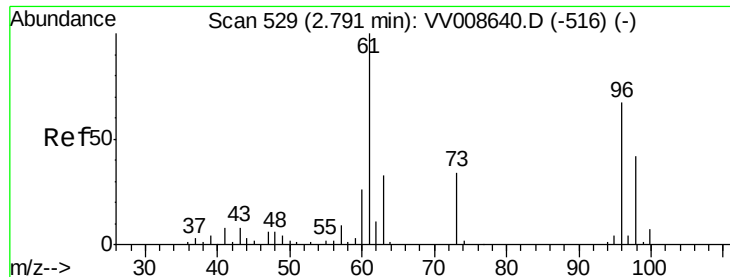
Ion Ratio Lower Upper

73 100

43 20.7 18.1 27.1

57 22.1 17.9 26.9





#18

trans-1,2-Dichloroethene

Concen: 6.503 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008649.D

Acq: 19 Nov 2018 14:25

Instrument :

MSVOA_V

ClientSampleId :

H0FJ9

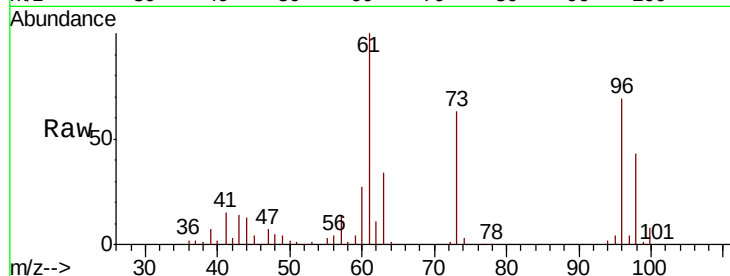
Tgt Ion: 96 Resp: 48885

Ion Ratio Lower Upper

96 100

61 145.1 97.1 180.3

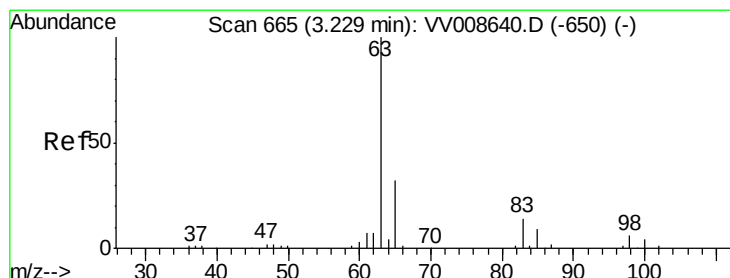
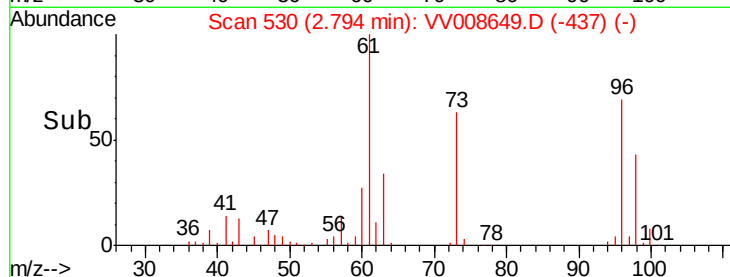
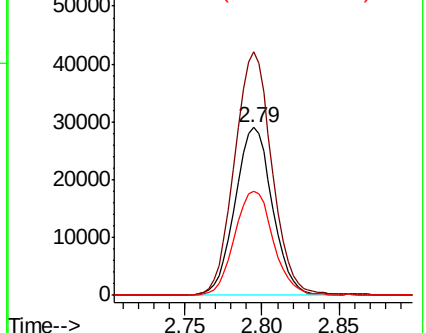
98 62.3 41.9 77.7



Abundance Ion 96.00 (95.70 to 96.70): VV008649.D (-530) (-)

Ion 61.05 (60.75 to 61.75): VV008649.D (-530) (-)

Ion 97.95 (97.65 to 98.65): VV008649.D (-530) (-)



#19

1,1-Dichloroethane

Concen: 0.619 ug/L

RT: 3.23 min Scan# 667

Delta R.T. 0.01 min

Lab File: VV008649.D

Acq: 19 Nov 2018 14:25

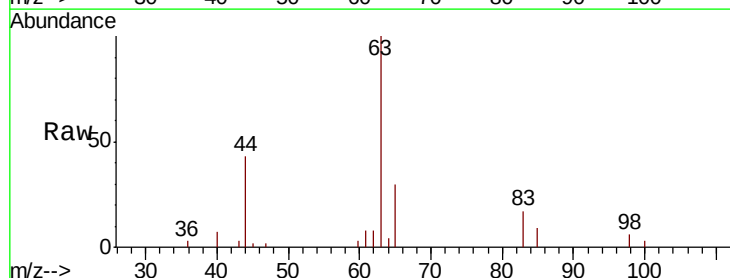
Tgt Ion: 63 Resp: 11780

Ion Ratio Lower Upper

63 100

65 30.1 23.2 43.0

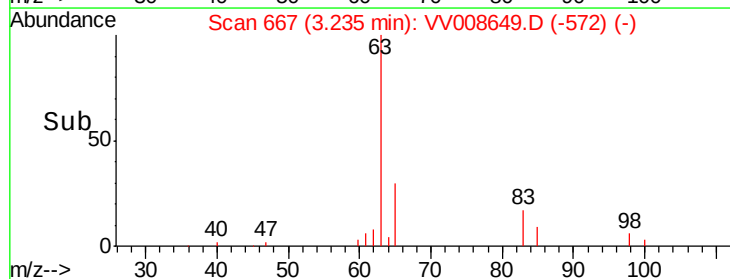
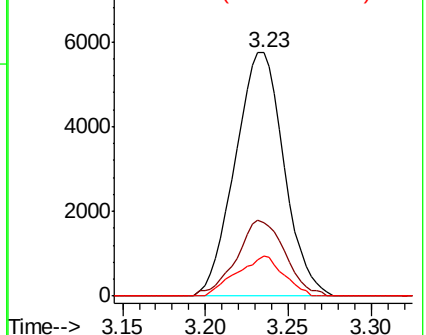
83 16.6 9.5 17.7

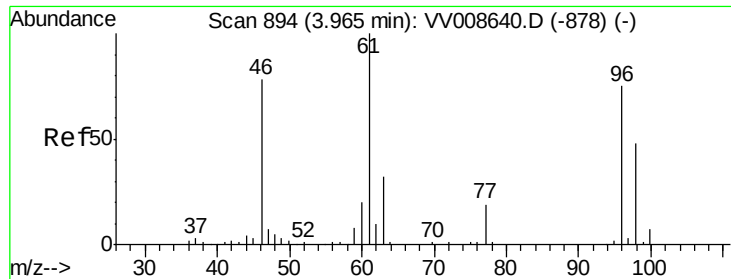


Abundance Ion 63.10 (62.80 to 63.80): VV008649.D (-667) (-)

Ion 65.10 (64.80 to 65.80): VV008649.D (-667) (-)

Ion 83.05 (82.75 to 83.75): VV008649.D (-667) (-)



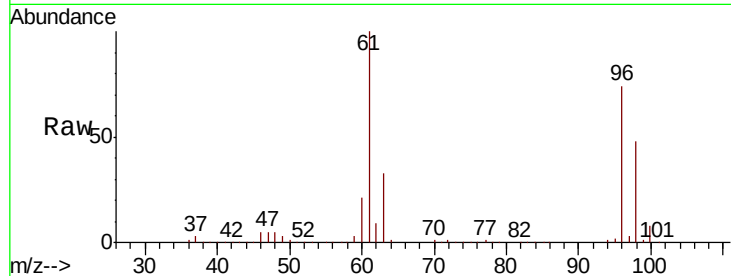


#22

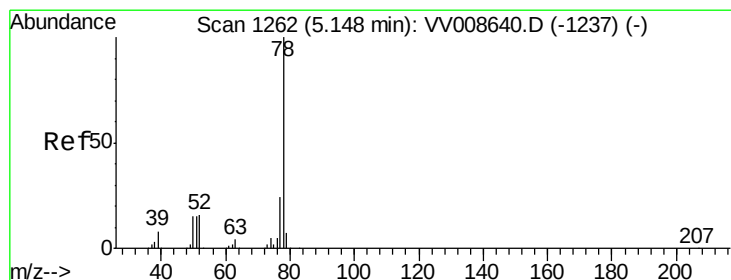
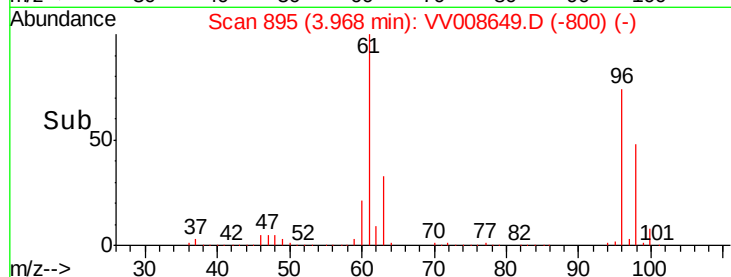
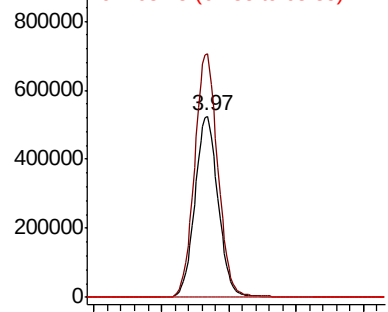
cis-1,2-Dichloroethene
 Concen: 111.218 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV008649.D
 Acq: 19 Nov 2018 14:25

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FJ9

Tgt Ion: 96 Resp: 1261938
 Ion Ratio Lower Upper
 96 100
 61 134.5 93.2 173.2
 68 0.0 0.0 0.0



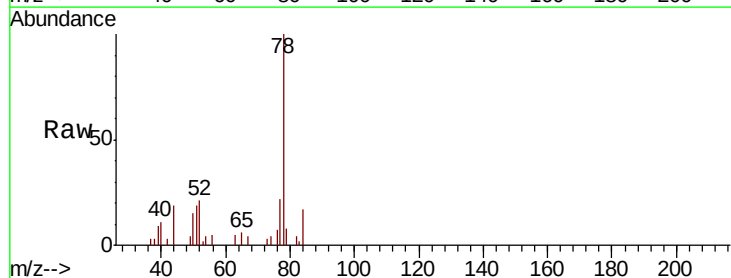
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



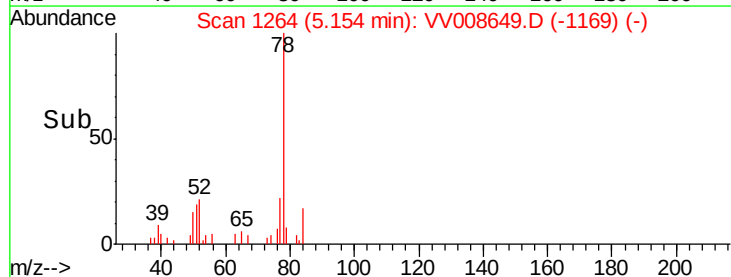
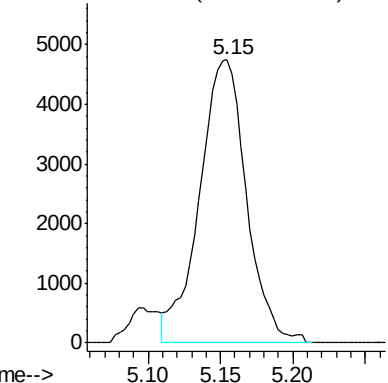
#33

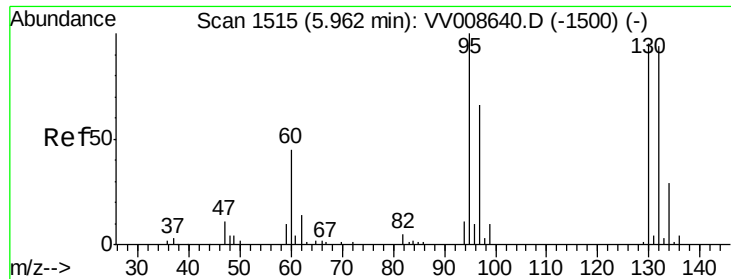
Benzene
 Concen: 0.249 ug/L
 RT: 5.15 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: VV008649.D
 Acq: 19 Nov 2018 14:25

Tgt Ion: 78 Resp: 10721



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 24.884 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008649.D

Acq: 19 Nov 2018 14:25

Instrument :

MSVOA_V

ClientSampleId :

H0FJ9

Tgt Ion: 95 Resp: 283738

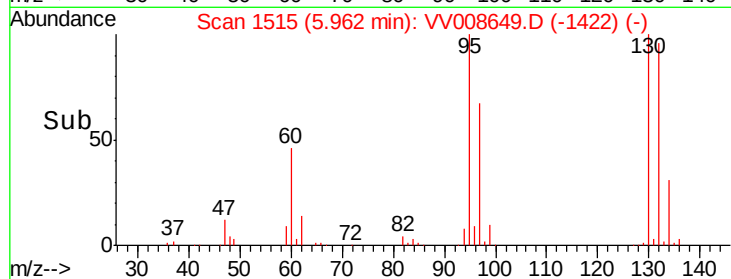
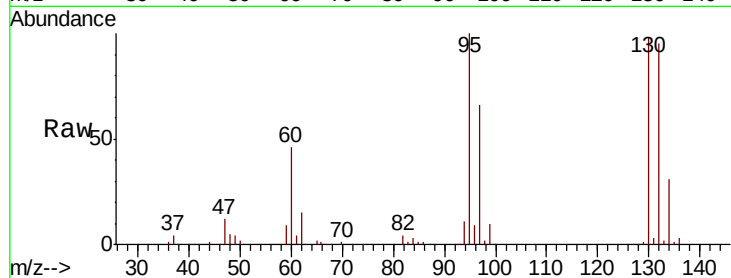
Ion Ratio Lower Upper

95 100

97 66.1 45.1 83.7

132 94.8 66.3 123.1

130 98.4 68.0 126.4

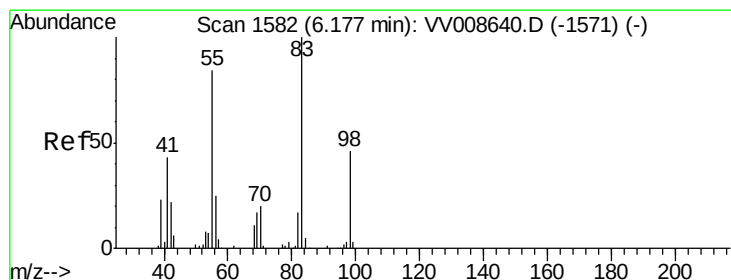
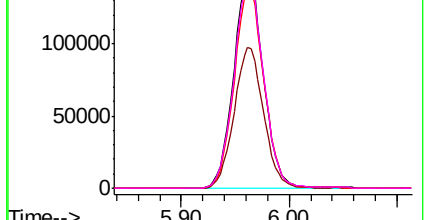


Abundance Ion 95.00 (94.70 to 95.70): VV008649.D (-1422) (-)

Ion 96.95 (96.65 to 97.65): VV008649.D (-1422) (-)

Ion 131.95 (131.65 to 132.65): VV008649.D (-1422) (-)

Ion 129.95 (129.65 to 130.65): VV008649.D (-1422) (-)



#35

Methylcyclohexane

Concen: 0.630 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV008649.D

Acq: 19 Nov 2018 14:25

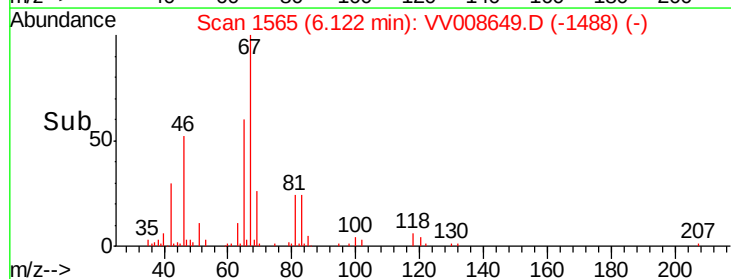
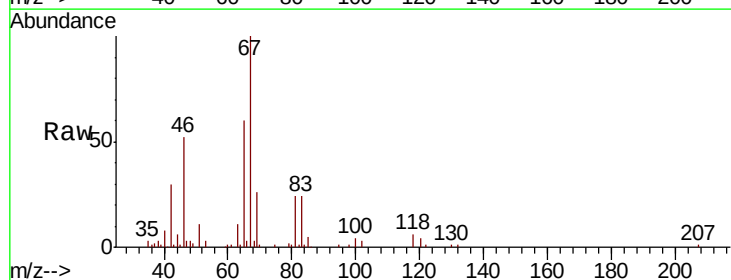
Tgt Ion: 83 Resp: 12172

Ion Ratio Lower Upper

83 100

55 0.0 65.6 98.4#

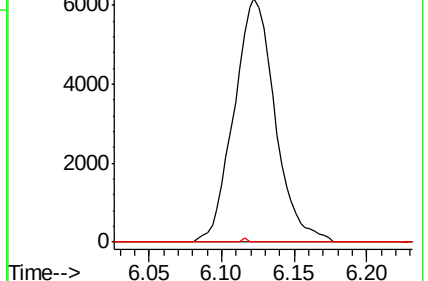
98 2.1 36.4 54.6#

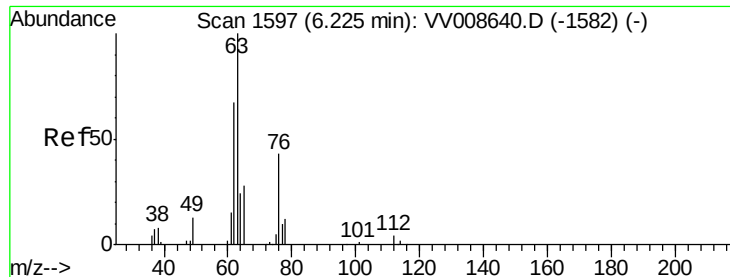


Abundance Ion 83.15 (82.85 to 83.85): VV008649.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV008649.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV008649.D (-1488) (-)

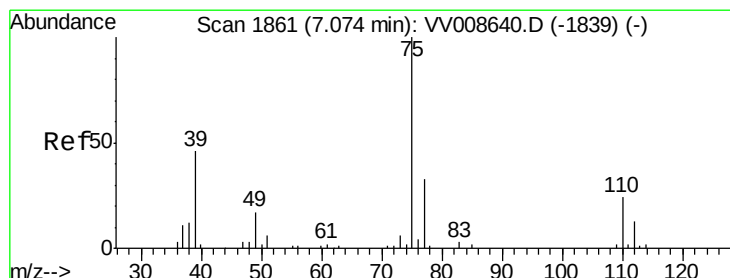
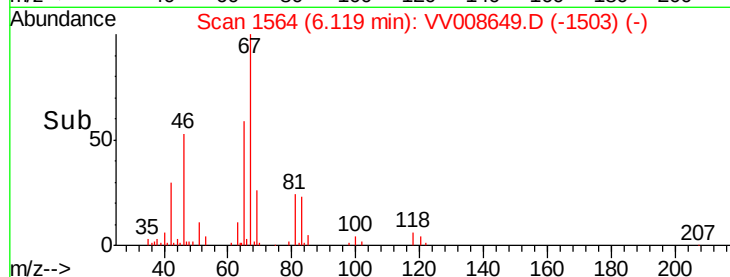
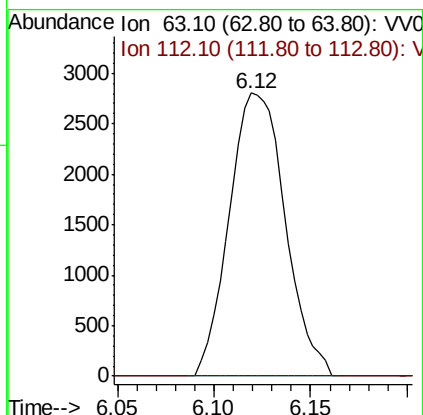
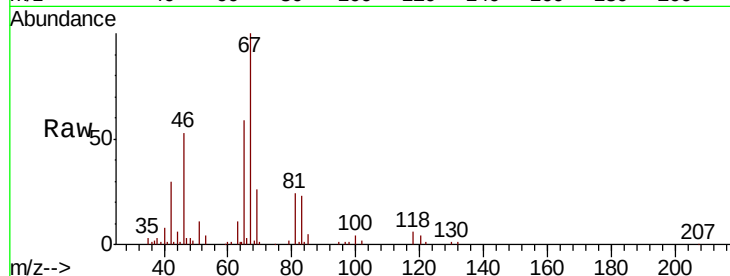




#37
 1,2-Dichloropropane
 Concen: 0.497 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV008649.D
 Acq: 19 Nov 2018 14:25

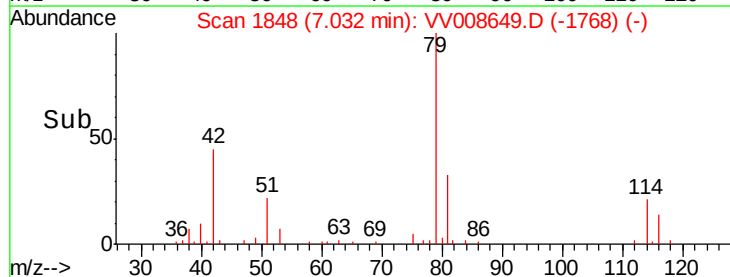
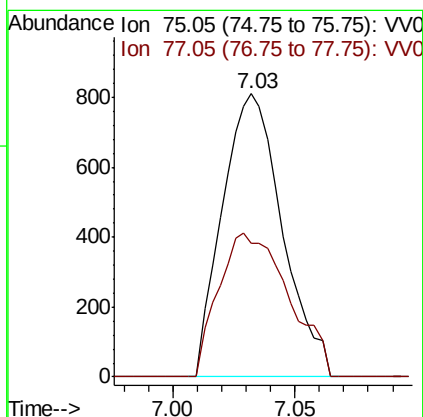
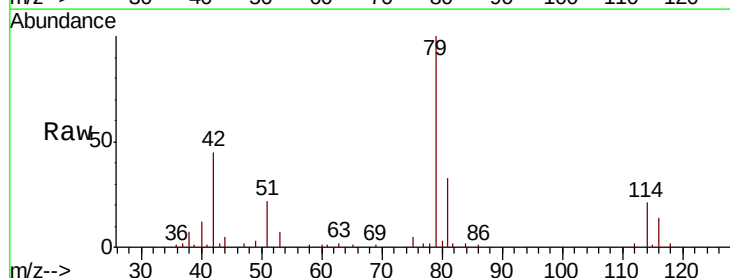
Instrument :
 MSVOA_V
 ClientSampleId :
 H0FJ9

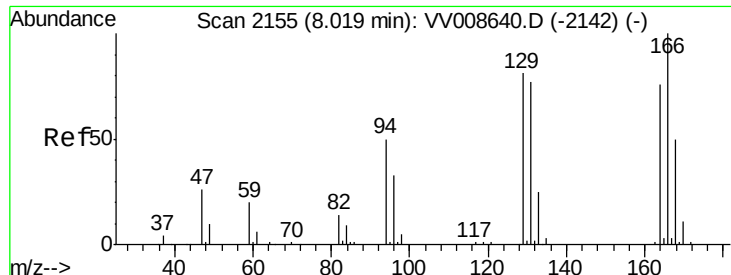
Tgt Ion: 63 Resp: 5638
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.8 4.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.091 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV008649.D
 Acq: 19 Nov 2018 14:25

Tgt Ion: 75 Resp: 1381
 Ion Ratio Lower Upper
 75 100
 77 47.0 23.0 42.8#





#47

Tetrachloroethene

Concen: 0.241 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV008649.D

Acq: 19 Nov 2018 14:25

Instrument :

MSVOA_V

ClientSampleId :

H0FJ9

Tgt Ion:164 Resp: 1992

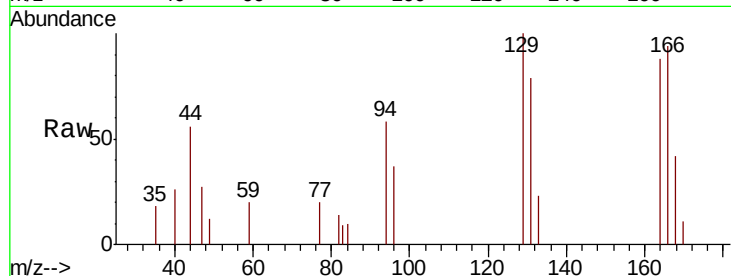
Ion Ratio Lower Upper

164 100

129 113.5 67.5 125.4

131 89.8 66.4 123.4

166 106.9 85.8 159.3

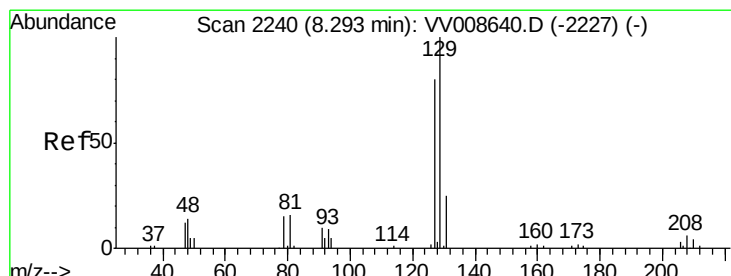
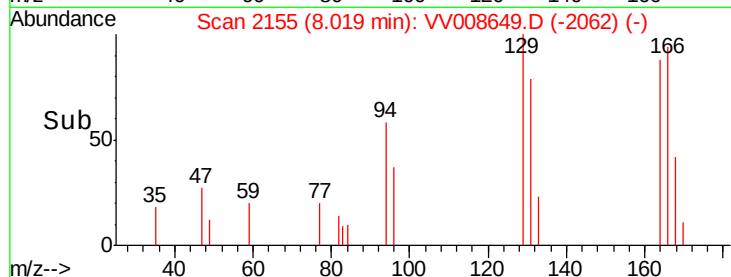
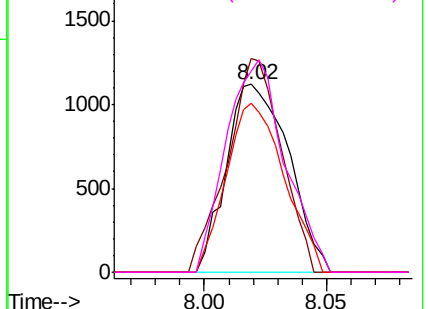


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.229 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV008649.D

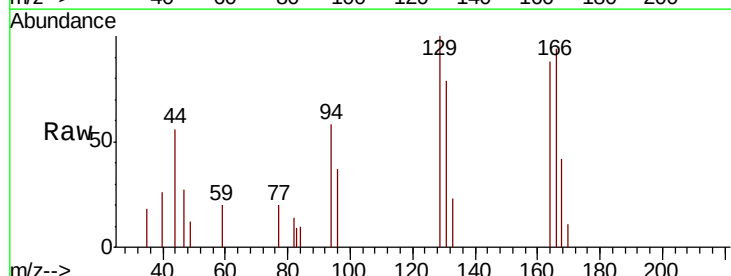
Acq: 19 Nov 2018 14:25

Tgt Ion:129 Resp: 1883

Ion Ratio Lower Upper

129 100

127 0.0 54.6 101.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

