

Data File : VV008100.D
Acq On : 05 Oct 2018 16:10
Operator : SY/MD
Sample : J5246-19
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0J87

Quant Time: Oct 06 01:04:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR100518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 06 01:03:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	99101	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	94922	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	44987	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27871	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.59	69	23957	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.14	63	42978	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.20%
20) 2-Butanone-d5	3.96	46	75094	51.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.62%
24) Chloroform-d	4.41	84	57940	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.09	65	30568	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.10	84	113479	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.12	67	36333	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.36	98	103338	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	7.67	79	11962	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.14	63	52512	49.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.40%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	25472	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	42108	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Qvalue
5) Vinyl chloride	1.33	62	4045	0.642	ug/L 84
8) Chloroethane	1.33	64	1573	0.373	ug/L 89
13) Acetone	2.21	43	2499	2.520	ug/L 93
17) Methyl tert-butyl Ether	2.81	73	1866	0.139	ug/L # 69
19) 1,1-Dichloroethane	3.24	63	1151	0.103	ug/L # 87
21) 2-Butanone	4.03	43	2471	1.545	ug/L # 51
22) cis-1,2-Dichloroethene	3.97	96	17987	2.721	ug/L 99
25) Chloroform	4.43	83	1054	0.088	ug/L # 64
34) Trichloroethene	5.96	95	26017	3.722	ug/L 99
35) Methylcyclohexane	6.12	83	8263	0.846	ug/L # 17
37) 1,2-Dichloropropane	6.12	63	3803	0.588	ug/L # 87
39) cis-1,3-Dichloropropene	7.04	75	936	0.113	ug/L # 70
44) trans-1,3-Dichloropropene	7.67	75	558	0.083	ug/L # 80
47) Tetrachloroethene	8.02	164	40015	6.410	ug/L 96
49) Dibromochloromethane	8.02	129	33523	5.928	ug/L # 10

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100518\
Quantitation Report (Not Reviewed)

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QLast Update : Sat Oct 06 01:03:16 2018
Response via : Initial Calibration

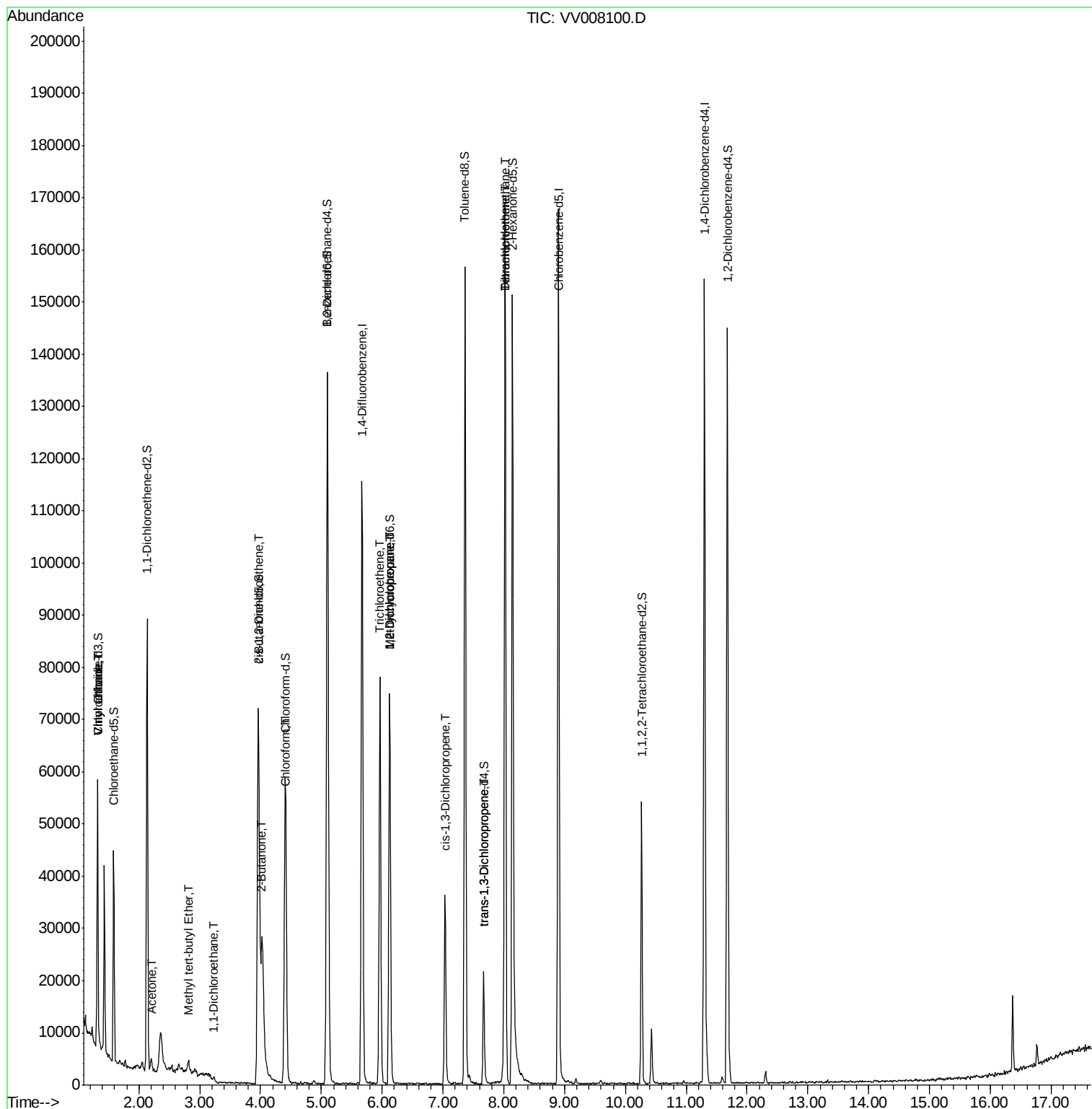
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

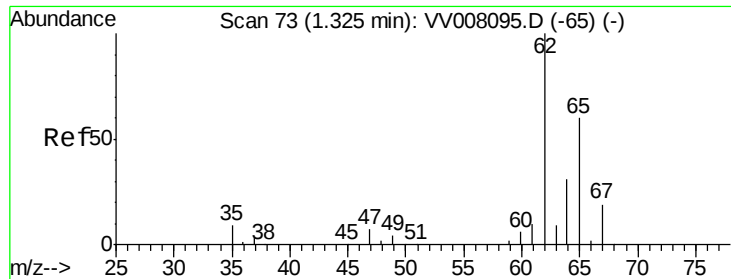
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#5

Vinyl chloride

Concen: 0.642 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008100.D

Acq: 05 Oct 2018 16:10

Instrument :

MSVOA_V

ClientSampleId :

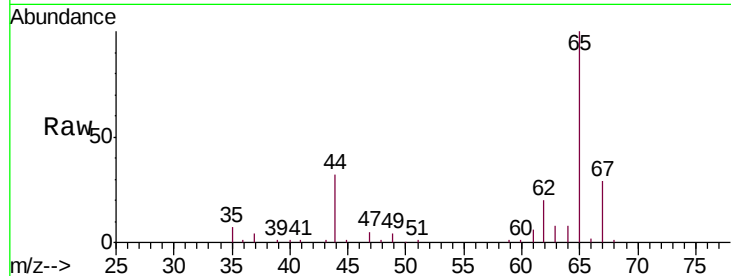
C0J87

Tgt Ion: 62 Resp: 4045

Ion Ratio Lower Upper

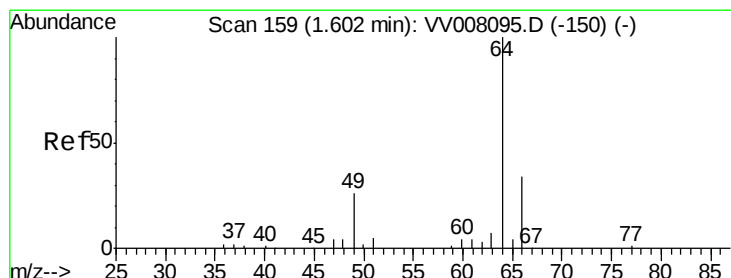
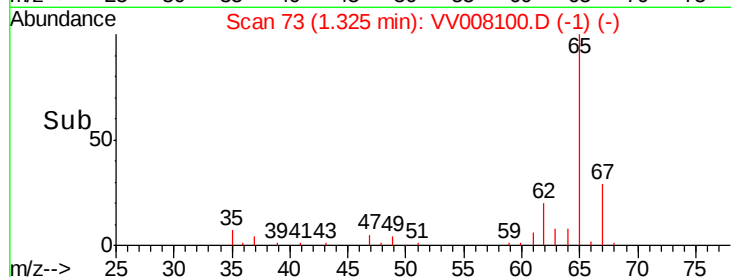
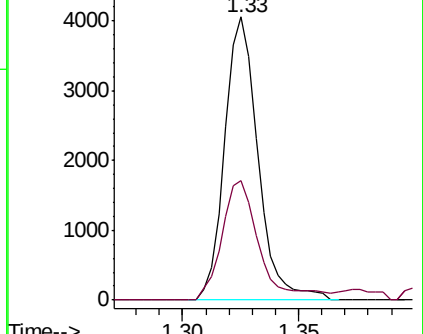
62 100

64 42.4 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV008095.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008100.D (-66) (-)



#8

Chloroethane

Concen: 0.373 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.28 min

Lab File: VV008100.D

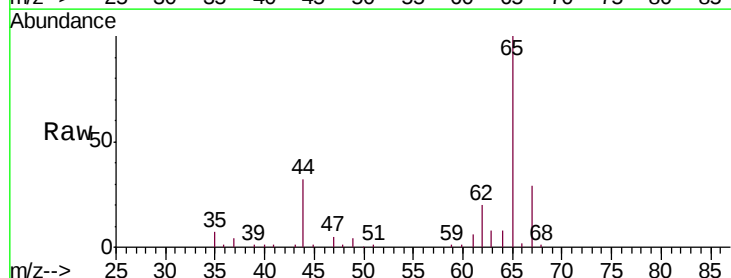
Acq: 05 Oct 2018 16:10

Tgt Ion: 64 Resp: 1573

Ion Ratio Lower Upper

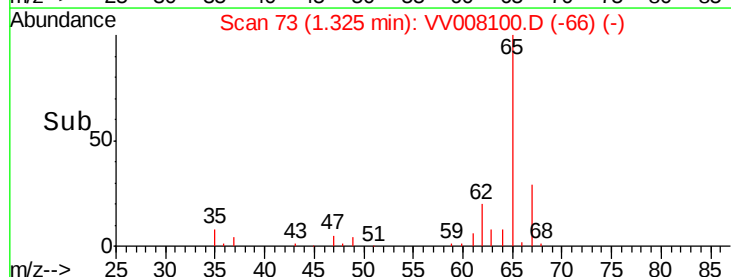
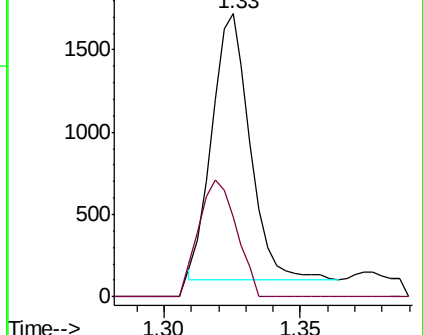
64 100

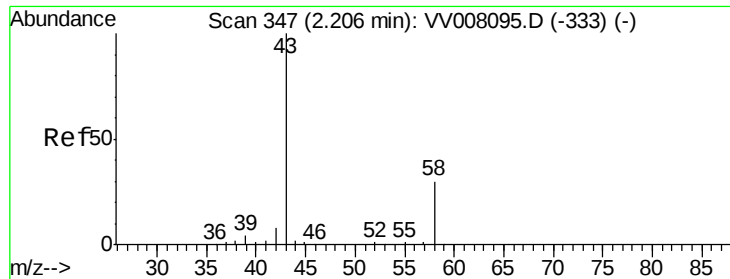
66 28.2 24.1 44.8



Abundance Ion 64.10 (63.80 to 64.80): VV008095.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV008100.D (-66) (-)





#13

Acetone

Concen: 2.520 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VV008100.D

Acq: 05 Oct 2018 16:10

Instrument :

MSVOA_V

ClientSampleId :

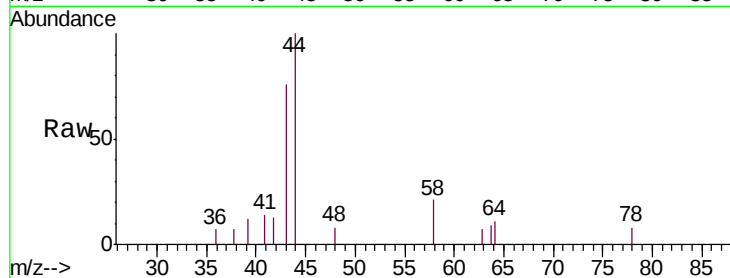
C0J87

Tgt Ion: 43 Resp: 2499

Ion Ratio Lower Upper

43 100

58 27.4 0.0 62.2



Abundance Ion 43.05 (42.75 to 43.75): VV008100.D (-254) (-)

Ion 58.05 (57.75 to 58.75): VV008100.D (-254) (-)

2.21

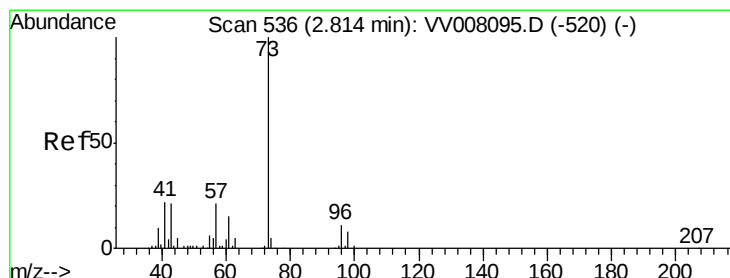
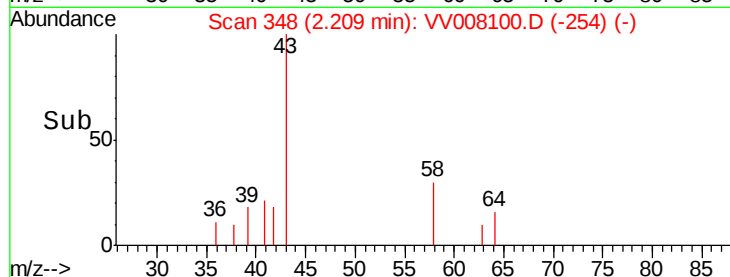
1000

500

0

Time-->

2.15 2.20 2.25



#17

Methyl tert-butyl Ether

Concen: 0.139 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV008100.D

Acq: 05 Oct 2018 16:10

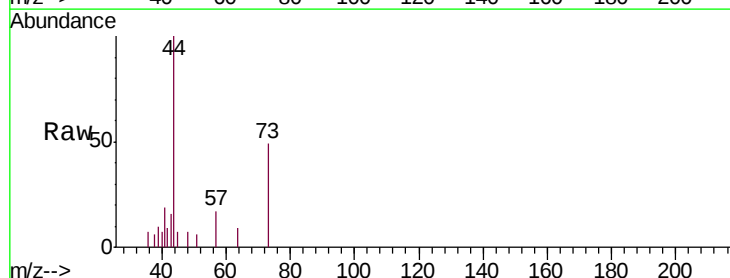
Tgt Ion: 73 Resp: 1866

Ion Ratio Lower Upper

73 100

43 49.9 17.0 25.4#

57 22.0 17.3 25.9



Abundance Ion 73.10 (72.80 to 73.80): VV008100.D (-443) (-)

Ion 43.05 (42.75 to 43.75): VV008100.D (-443) (-)

Ion 57.10 (56.80 to 57.80): VV008100.D (-443) (-)

2.81

1000

800

600

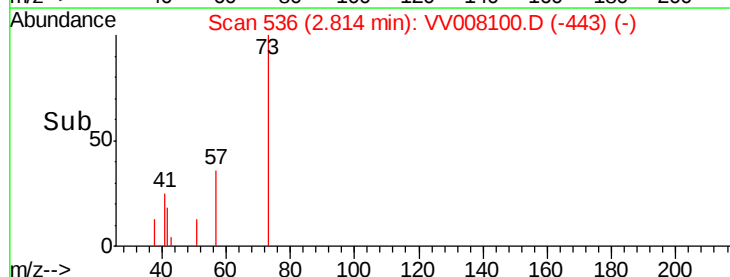
400

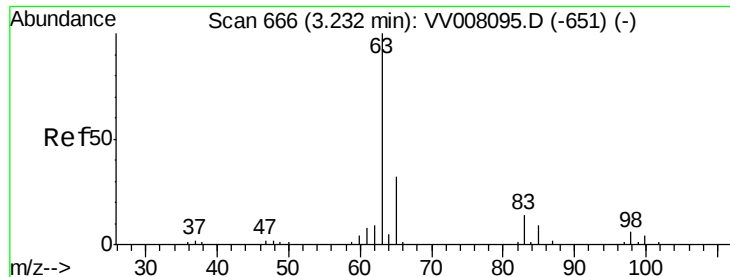
200

0

Time-->

2.75 2.80 2.85

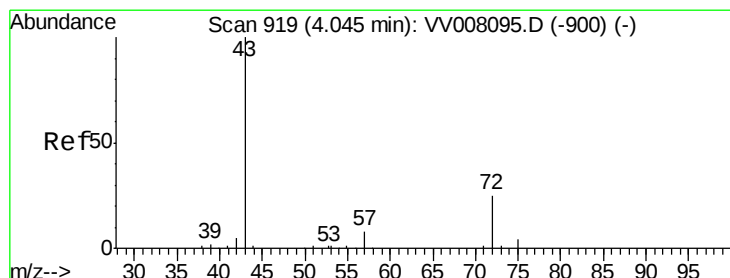
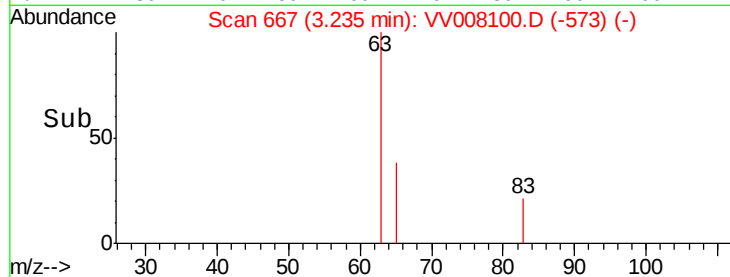
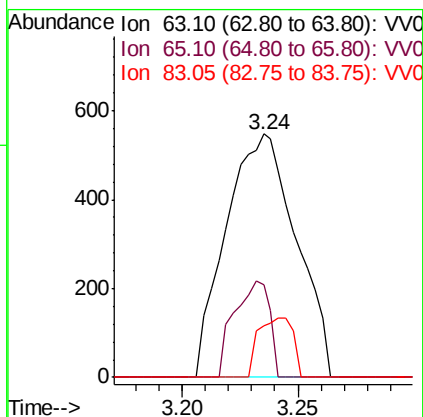
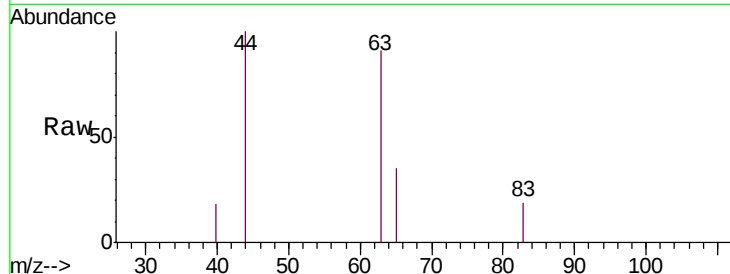




#19
 1,1-Dichloroethane
 Concen: 0.103 ug/L
 RT: 3.24 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV008100.D
 Acq: 05 Oct 2018 16:10

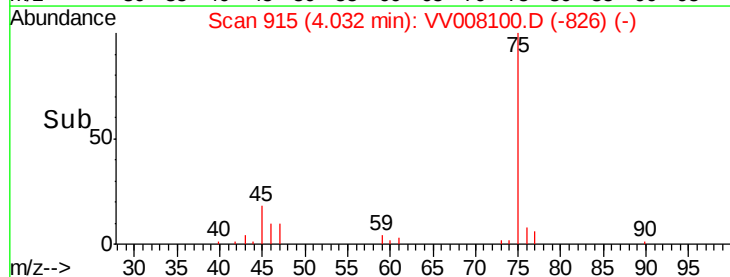
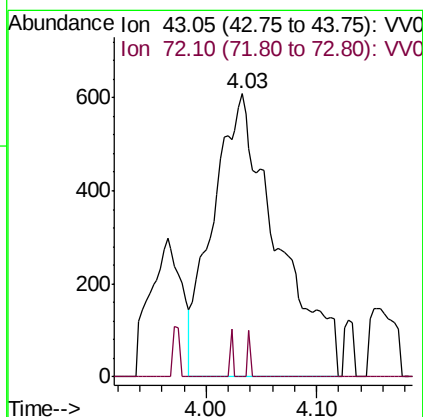
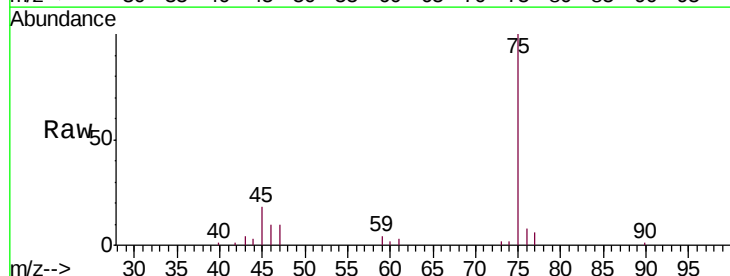
Instrument :
 MSVOA_V
 ClientSampleId :
 C0J87

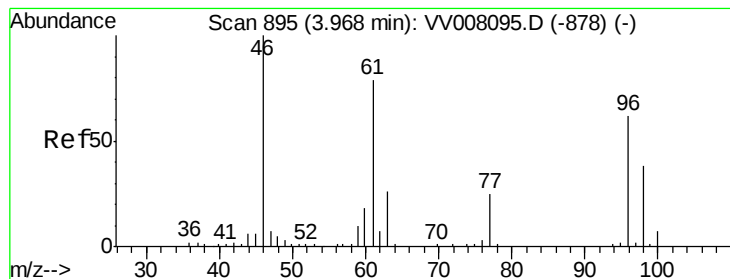
Tgt Ion: 63 Resp: 1151
 Ion Ratio Lower Upper
 63 100
 65 38.0 22.4 41.6
 83 21.2 9.6 17.8#



#21
 2-Butanone
 Concen: 1.545 ug/L
 RT: 4.03 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VV008100.D
 Acq: 05 Oct 2018 16:10

Tgt Ion: 43 Resp: 2471
 Ion Ratio Lower Upper
 43 100
 72 0.8 12.9 38.6#





#22

cis-1,2-Dichloroethene

Concen: 2.721 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV008100.D

Acq: 05 Oct 2018 16:10

Instrument :

MSVOA_V

ClientSampled :

C0J87

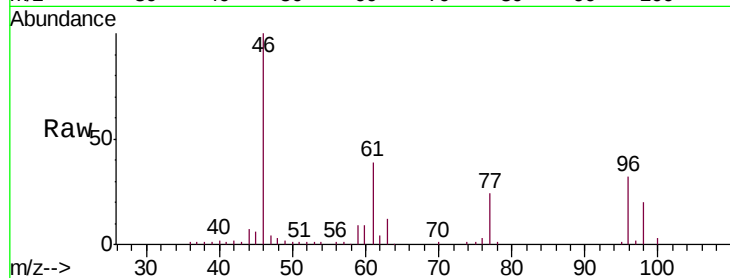
Tgt Ion: 96 Resp: 17987

Ion Ratio Lower Upper

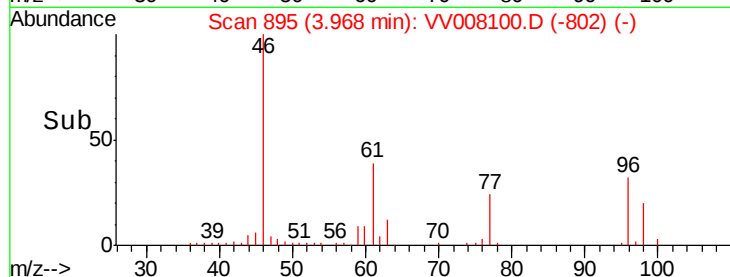
96 100

61 120.6 85.1 158.1

68 0.0 0.0 0.0

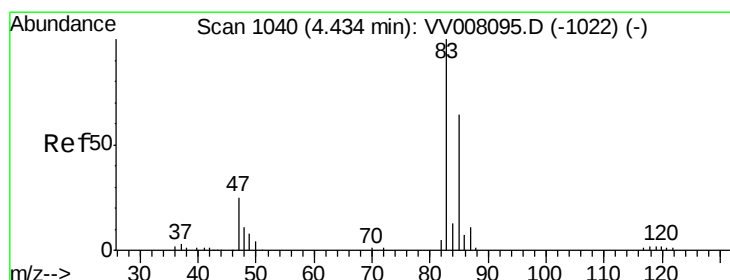
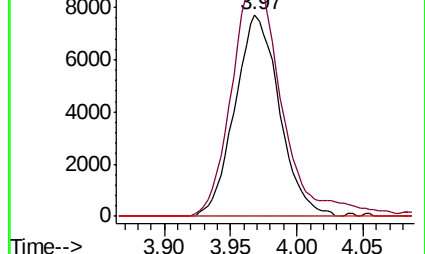


Abundance Ion 96.00 (95.70 to 96.70): VV008100.D (-802) (-)



Ion 61.05 (60.75 to 61.75): VV008100.D (-802) (-)

Ion 68.15 (67.85 to 68.85): VV008100.D (-802) (-)



#25

Chloroform

Concen: 0.088 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. -0.01 min

Lab File: VV008100.D

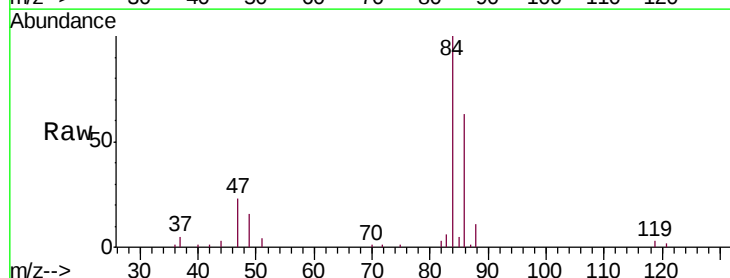
Acq: 05 Oct 2018 16:10

Tgt Ion: 83 Resp: 1054

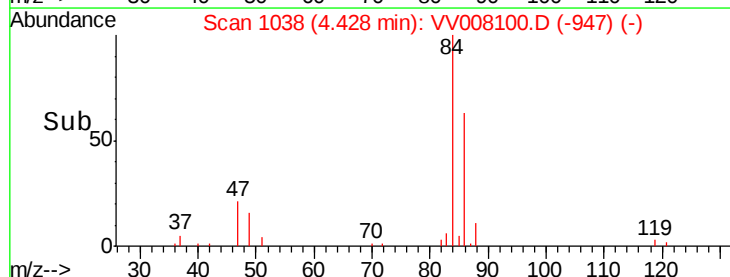
Ion Ratio Lower Upper

83 100

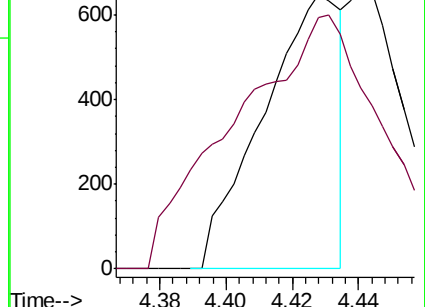
85 91.7 44.6 82.8#

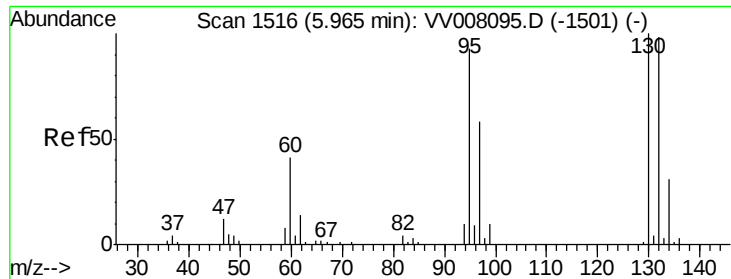


Abundance Ion 83.05 (82.75 to 83.75): VV008100.D (-947) (-)



Ion 85.00 (84.70 to 85.70): VV008100.D (-947) (-)

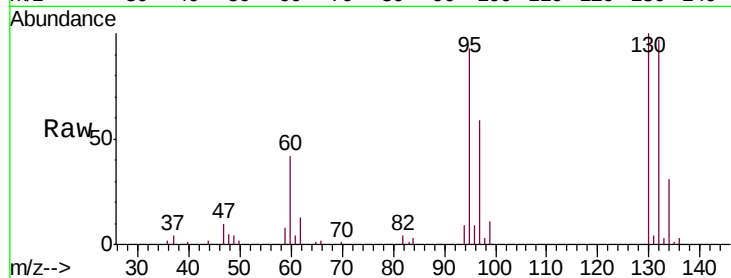




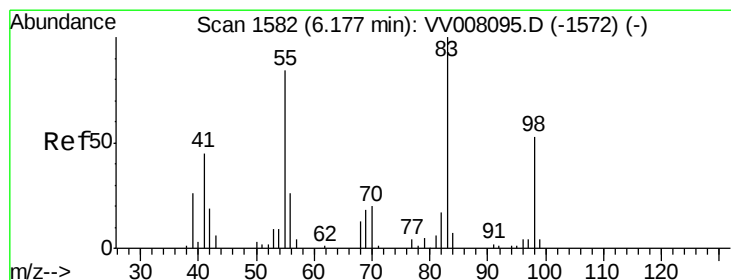
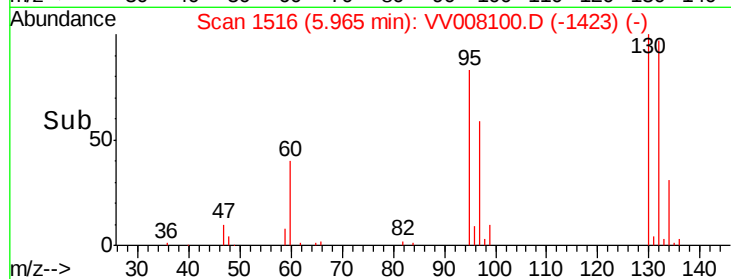
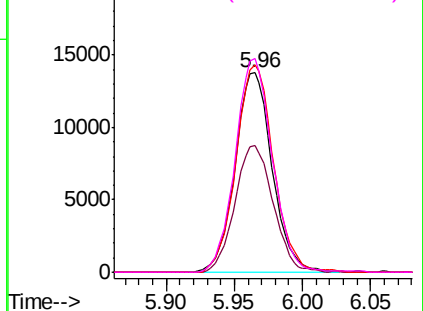
#34
 Trichloroethene
 Concen: 3.722 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV008100.D
 Acq: 05 Oct 2018 16:10

Instrument :
 MSVOA_V
 ClientSampleId :
 C0J87

Tgt Ion: 95 Resp: 26017
 Ion Ratio Lower Upper
 95 100
 97 63.2 44.9 83.5
 132 104.2 73.6 136.6
 130 107.0 76.2 141.6

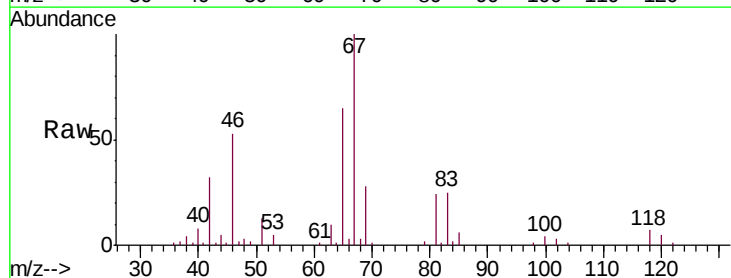


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

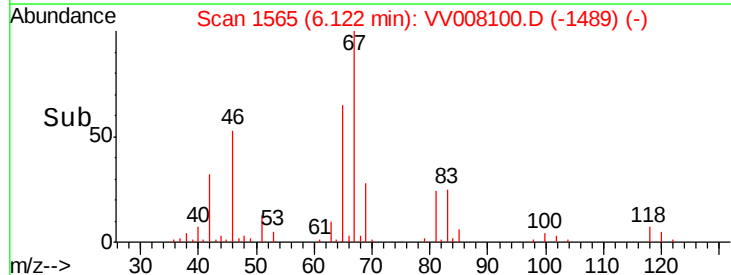
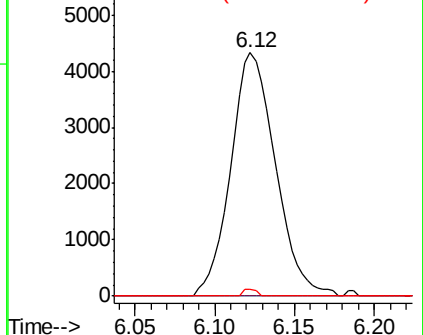


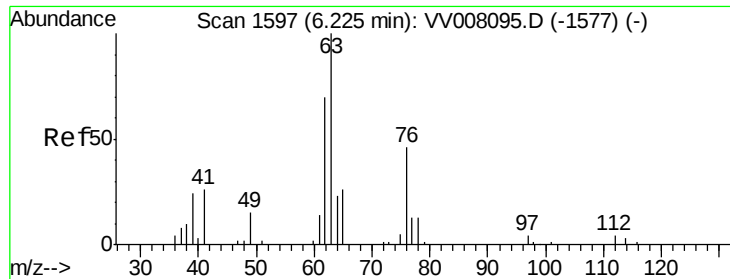
#35
 Methylcyclohexane
 Concen: 0.846 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.05 min
 Lab File: VV008100.D
 Acq: 05 Oct 2018 16:10

Tgt Ion: 83 Resp: 8263
 Ion Ratio Lower Upper
 83 100
 55 0.0 63.6 95.4#
 98 0.8 38.3 57.5#



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: 0.588 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV008100.D

Acq: 05 Oct 2018 16:10

Instrument :

MSVOA_V

ClientSampleId :

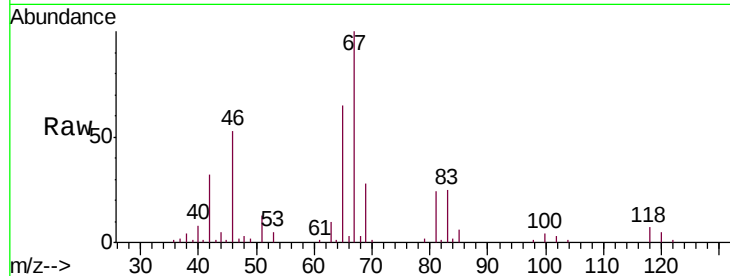
C0J87

Tgt Ion: 63 Resp: 3803

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VV008100.D (-1565) (-)

Ion 112.10 (111.80 to 112.80): VV008100.D (-1565) (-)

6.12

2000

1500

1000

500

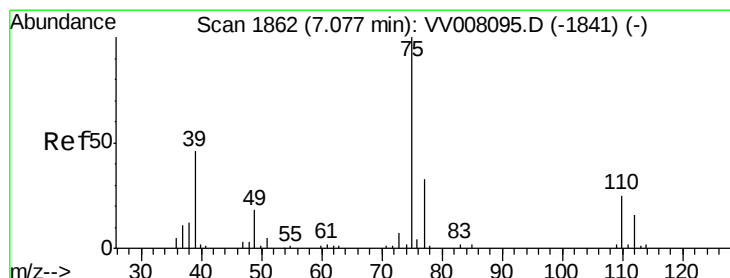
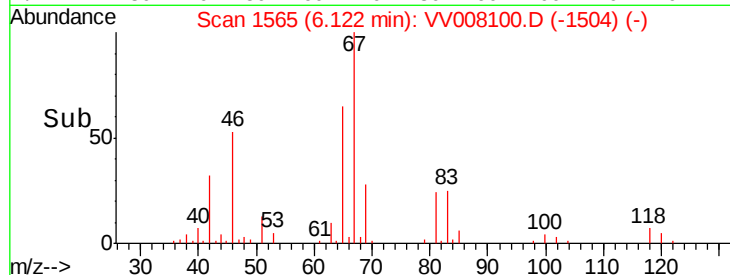
0

6.05

6.10

6.15

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.113 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV008100.D

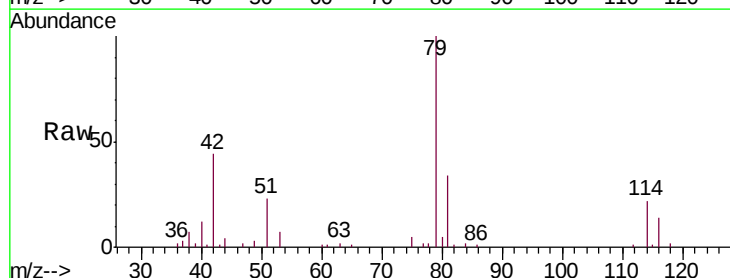
Acq: 05 Oct 2018 16:10

Tgt Ion: 75 Resp: 936

Ion Ratio Lower Upper

75 100

77 48.0 22.1 41.1#



Abundance Ion 75.05 (74.75 to 75.75): VV008100.D (-1849) (-)

Ion 77.05 (76.75 to 77.75): VV008100.D (-1849) (-)

7.04

600

500

400

300

200

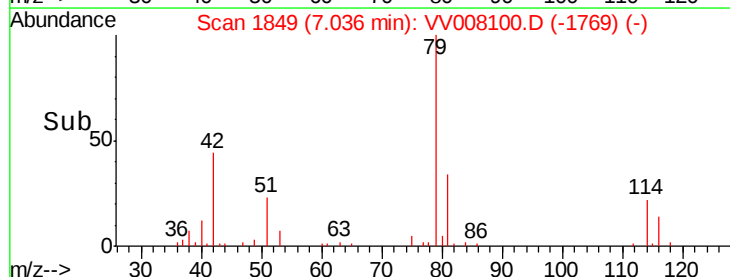
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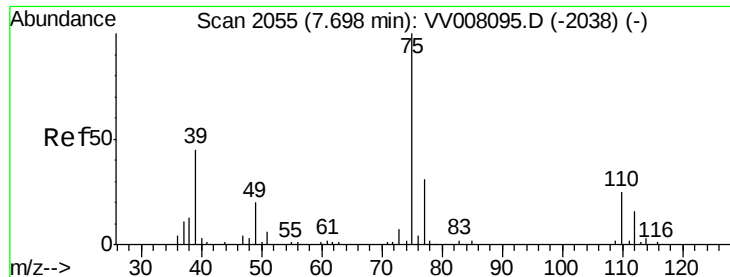
0

7.00

7.05

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.03 min

Lab File: VV008100.D

Acq: 05 Oct 2018 16:10

Instrument :

MSVOA_V

ClientSampleId :

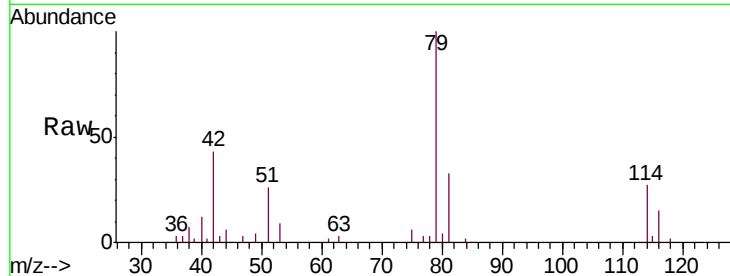
C0J87

Tgt Ion: 75 Resp: 558

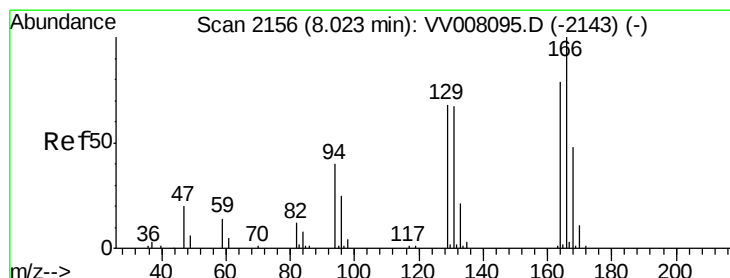
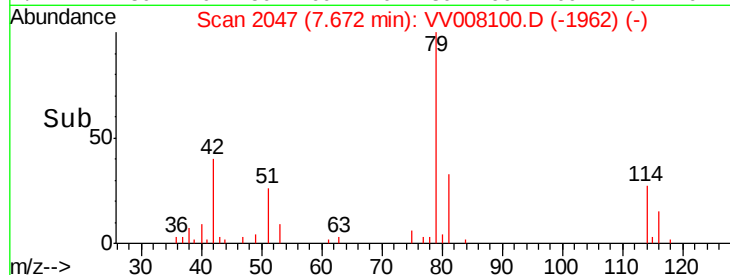
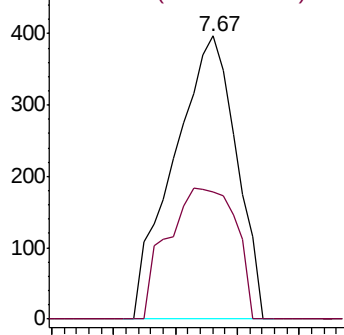
Ion Ratio Lower Upper

75 100

77 45.1 23.4 43.6#



Abundance Ion 75.05 (74.75 to 75.75): VV008100.D (-1962) (-)



#47

Tetrachloroethene

Concen: 6.410 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008100.D

Acq: 05 Oct 2018 16:10

Tgt Ion: 164 Resp: 40015

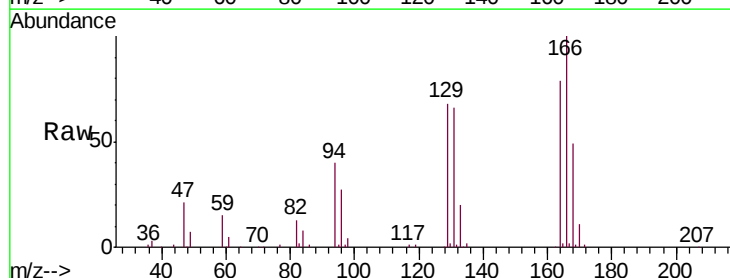
Ion Ratio Lower Upper

164 100

129 85.5 62.2 115.4

131 83.5 60.5 112.5

166 126.2 92.1 171.1

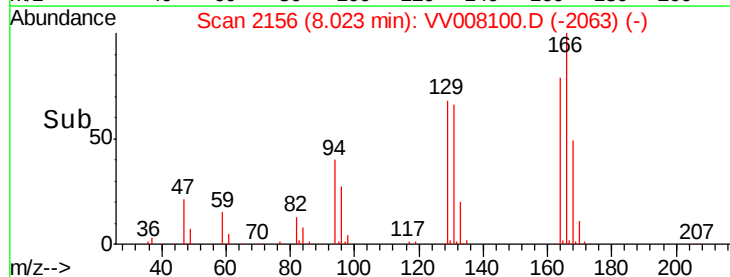
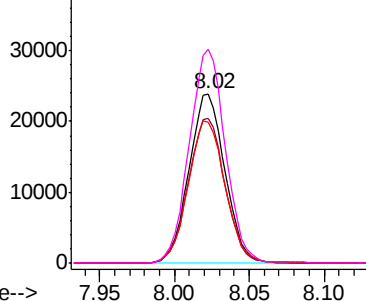


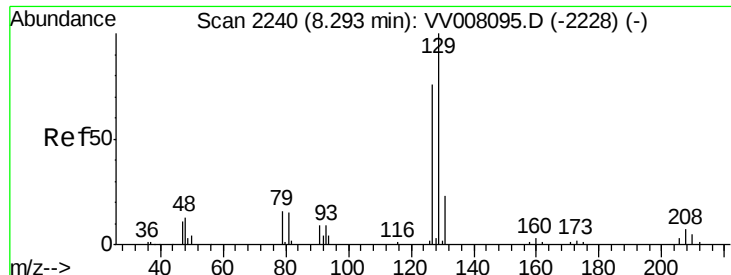
Abundance Ion 163.90 (163.60 to 164.60): VV008100.D (-2063) (-)

Ion 128.95 (128.65 to 129.65): VV008100.D (-2063) (-)

Ion 130.95 (130.65 to 131.65): VV008100.D (-2063) (-)

Ion 165.90 (165.60 to 166.60): VV008100.D (-2063) (-)





#49

Dibromochloromethane

Concen: 5.928 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.27 min

Lab File: VV008100.D

Acq: 05 Oct 2018 16:10

Instrument :

MSVOA_V

ClientSampleId :

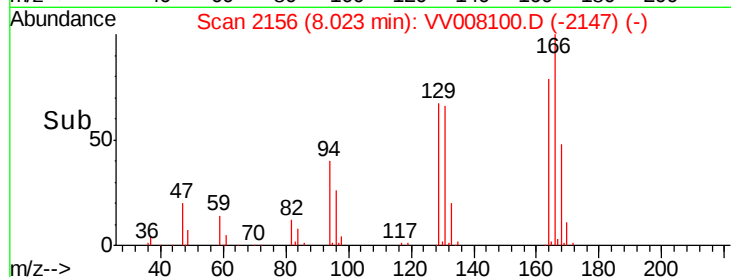
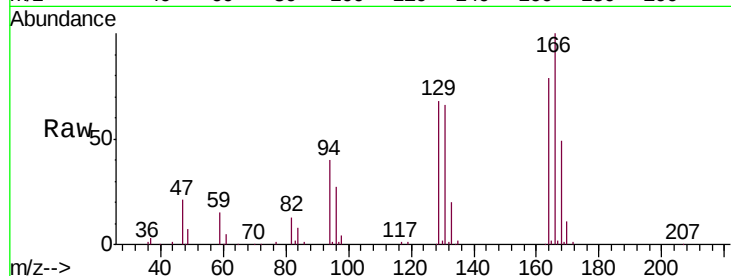
C0J87

Tgt Ion:129 Resp: 33523

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.3#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

