

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102518\
 Data File : VV008412.D
 Acq On : 25 Oct 2018 16:45
 Operator : SY/MD
 Sample : J5670-02
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETBP3

Quant Time: Oct 25 23:20:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 23:17:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	202158	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	179797	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	74497	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55984	50.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.04%
7) Chloroethane-d5	1.57	69	42049	52.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.06%
11) 1,1-Dichloroethene-d2	2.13	63	75902	37.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.08%
21) 2-Butanone-d5	3.94	46	109308	89.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.86%
24) Chloroform-d	4.41	84	127122	46.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.10%
26) 1,2-Dichloroethane-d4	5.09	65	88980	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.42%
32) Benzene-d6	5.10	84	262605	51.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.50%
36) 1,2-Dichloropropane-d6	6.12	67	87626	49.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.54%
41) Toluene-d8	7.36	98	236735	50.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.78%
43) trans-1,3-Dichloropropene-	7.67	79	41547	48.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.16%
47) 2-Hexanone-d5	8.14	63	85203	91.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.75%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	110925	46.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.10%
64) 1,2-Dichlorobenzene-d4	11.68	152	75192	49.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.68%

Target Compounds

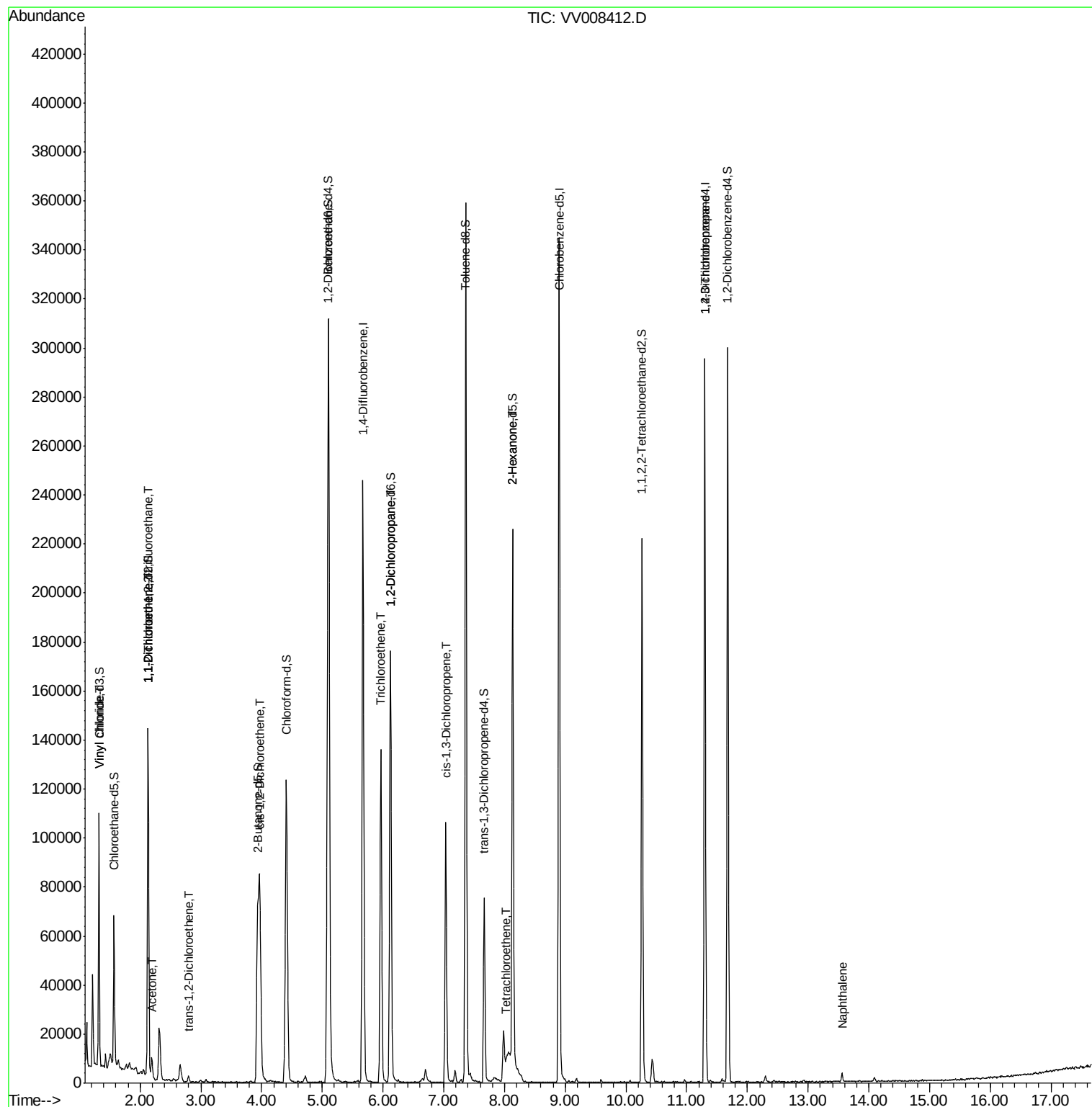
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	1.33	62	1946	1.358	ug/L #	5
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	628	0.652	ug/L #	20
12) 1,1-Dichloroethene	2.14	96	781	0.861	ug/L #	1
13) Acetone	2.19	43	5714	6.052	ug/L	100
17) trans-1,2-Dichloroethene	2.80	96	605	0.438	ug/L	85
20) cis-1,2-Dichloroethene	3.97	96	37544	23.834	ug/L	98
34) Trichloroethene	5.96	95	48870	32.479	ug/L	96
37) 1,2-Dichloropropane	6.12	63	9089	5.600	ug/L #	89
39) cis-1,3-Dichloropropene	7.04	75	2434	0.954	ug/L #	55
46) Tetrachloroethene	8.02	164	625	0.637	ug/L	82
48) 2-Hexanone	8.14	43	8977	4.840	ug/L #	68
59) 1,2,3-Trichloropropane	11.30	75	9584	4.711	ug/L	90
69) Naphthalene	13.56	128	3567	0.848	ug/L #	87

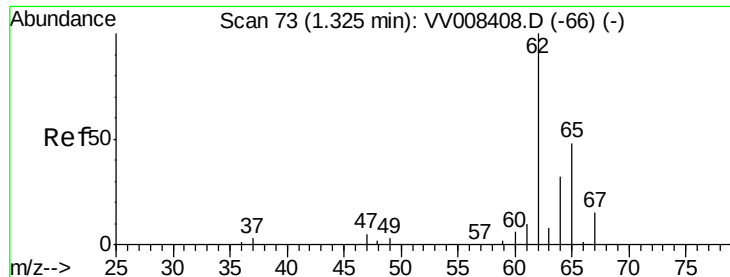
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.358 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VV008412.D

Acq: 25 Oct 2018 16:45

Instrument :

MSVOA_V

ClientSampleId :

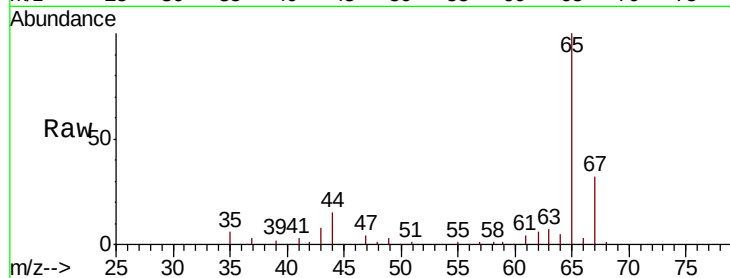
ETBP3

Tgt Ion: 62 Resp: 1946

Ion Ratio Lower Upper

62 100

64 89.9 24.4 45.4#



Abundance Ion 62.00 (61.70 to 62.70): VV008412.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VV008412.D (-1) (-)

1.33

2000

1500

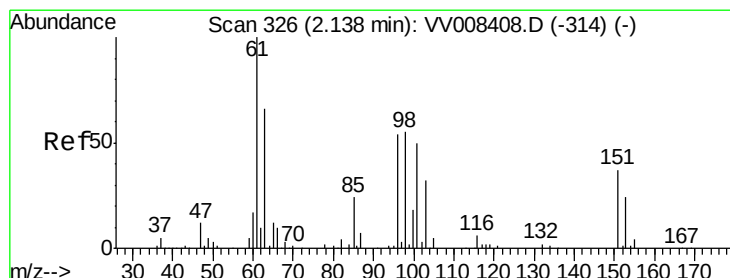
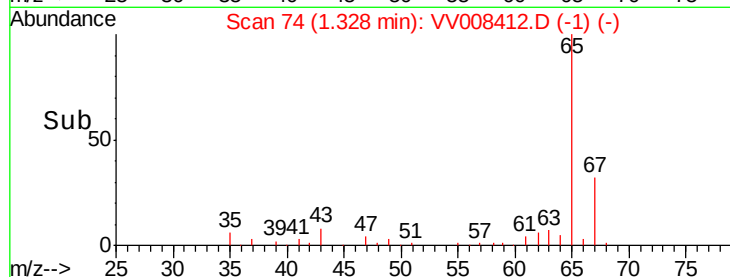
1000

500

0

1.30 1.32 1.34

Time-->



#10

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

Concen: 0.652 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008412.D

Acq: 25 Oct 2018 16:45

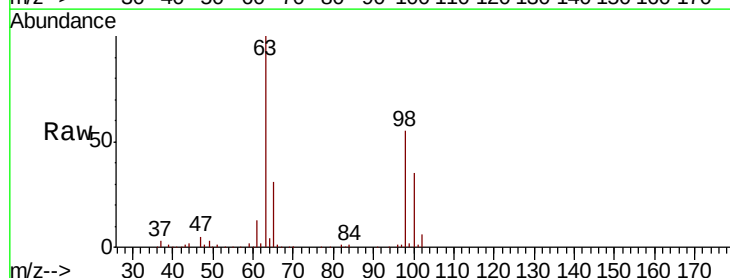
Tgt Ion: 101 Resp: 628

Ion Ratio Lower Upper

101 100

85 0.0 35.6 53.4#

151 0.0 58.1 87.1#



Abundance Ion 101.00 (100.70 to 101.70): VV008412.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV008412.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV008412.D (-233) (-)

2.14

600

500

400

300

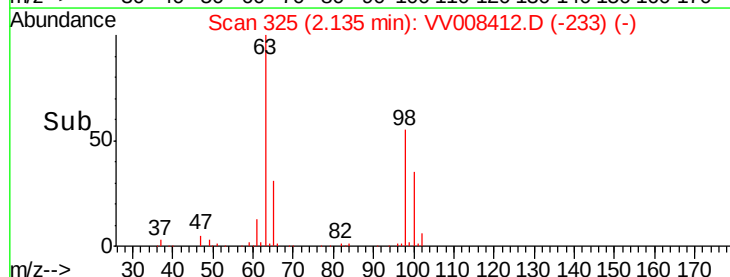
200

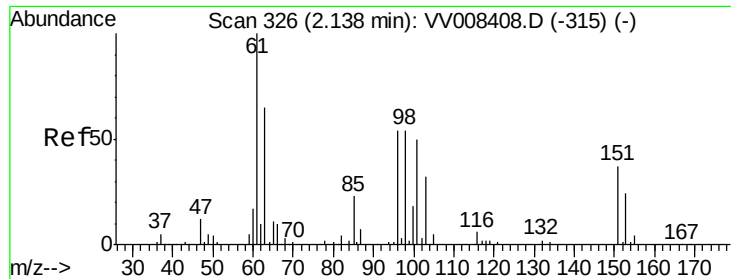
100

0

2.10 2.12 2.14 2.16

Time-->

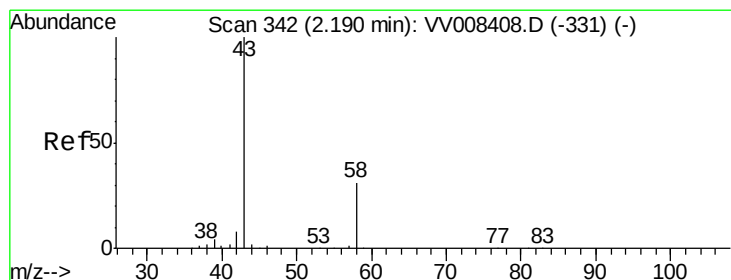
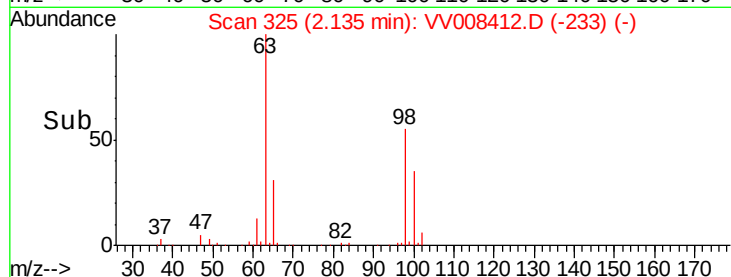
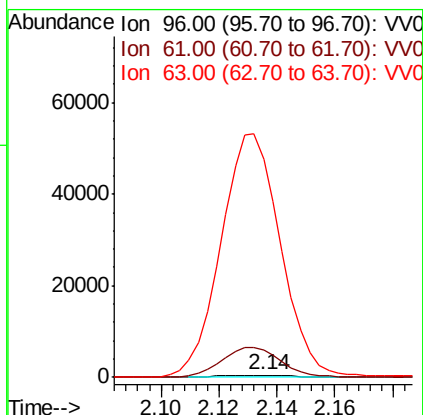
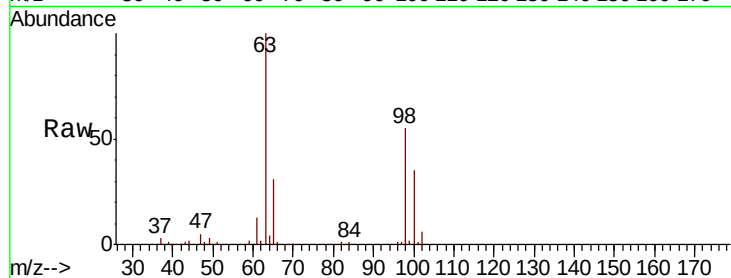




#12
 1,1-Dichloroethene
 Concen: 0.861 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VV008412.D
 Acq: 25 Oct 2018 16:45

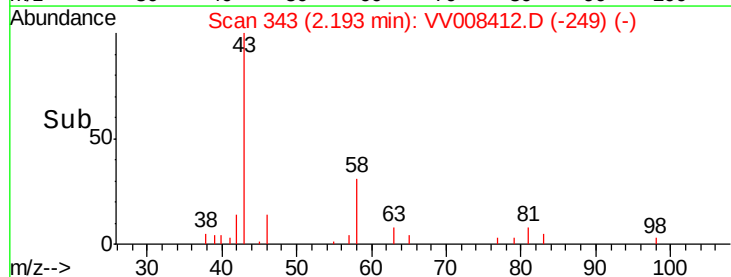
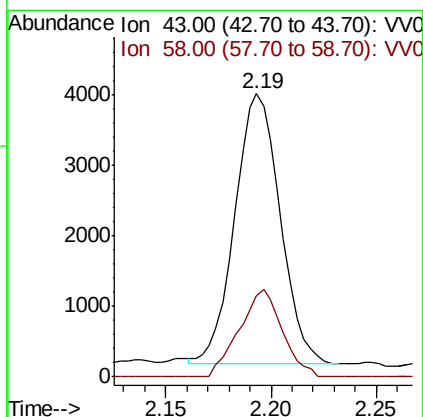
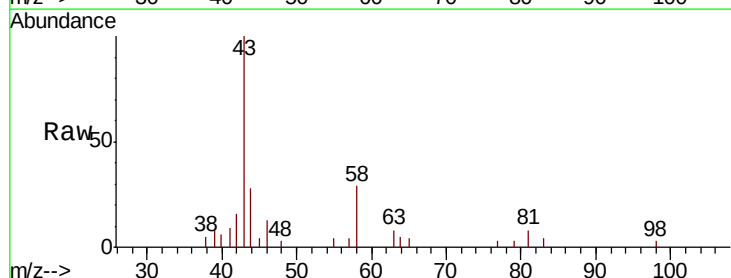
Instrument :
 MSVOA_V
 ClientSampleId :
 ETBP3

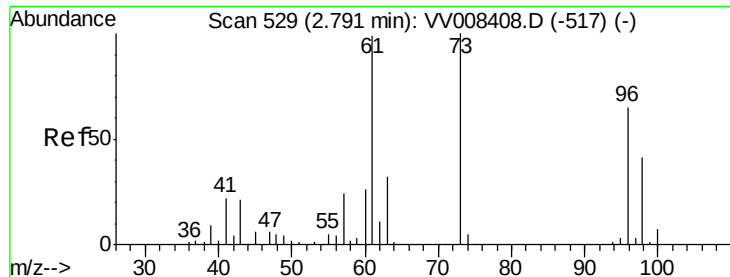
Tgt Ion: 96 Resp: 781
 Ion Ratio Lower Upper
 96 100
 61 1344.7 130.3 242.1#
 63 10730.8 84.4 156.8#



#13
 Acetone
 Concen: 6.052 ug/L
 RT: 2.19 min Scan# 343
 Delta R.T. 0.00 min
 Lab File: VV008412.D
 Acq: 25 Oct 2018 16:45

Tgt Ion: 43 Resp: 5714
 Ion Ratio Lower Upper
 43 100
 58 30.6 0.0 61.4





#17

trans-1,2-Dichloroethene

Concen: 0.438 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV008412.D

Acq: 25 Oct 2018 16:45

Instrument :

MSVOA_V

ClientSampleId :

ETBP3

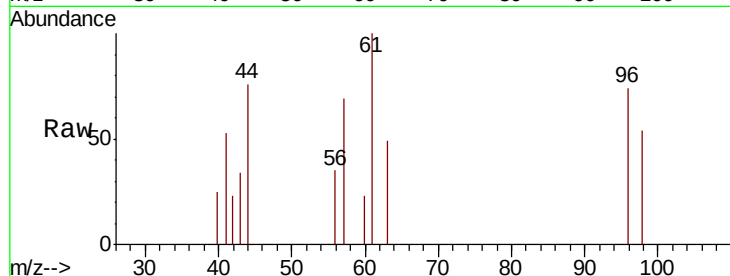
Tgt Ion: 96 Resp: 605

Ion Ratio Lower Upper

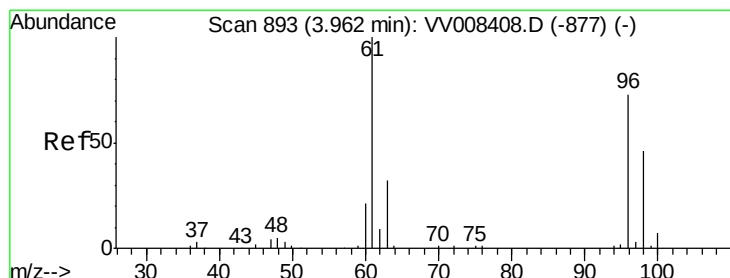
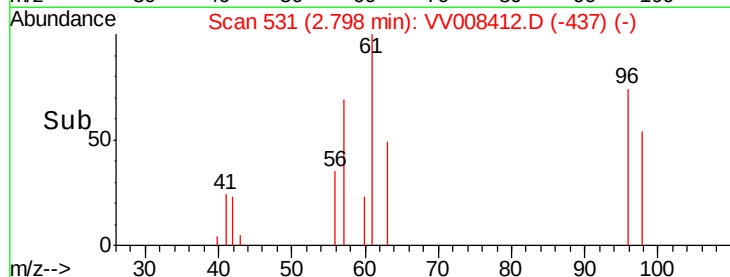
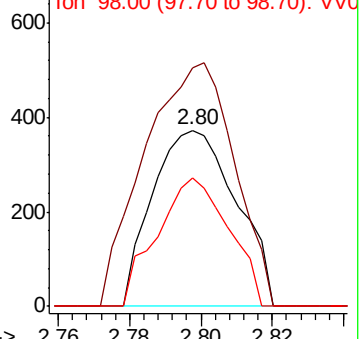
96 100

61 135.1 108.6 201.6

98 73.2 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VV008412.D (-437) (-)



#20

cis-1,2-Dichloroethene

Concen: 23.834 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV008412.D

Acq: 25 Oct 2018 16:45

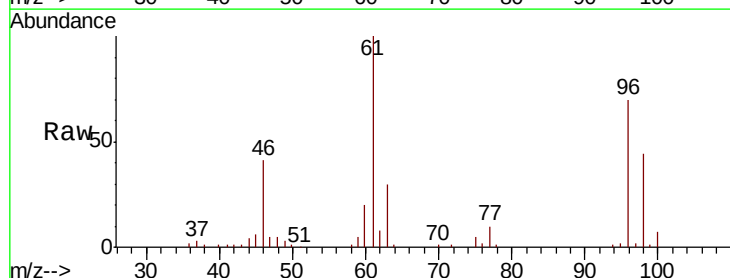
Tgt Ion: 96 Resp: 37544

Ion Ratio Lower Upper

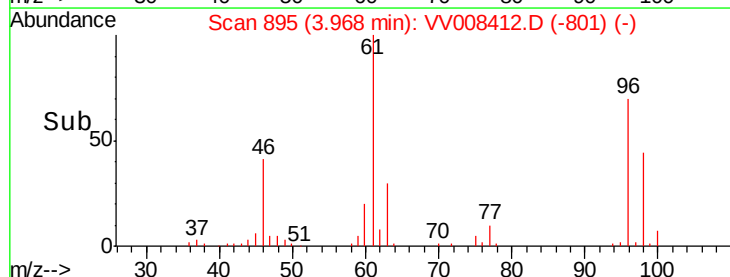
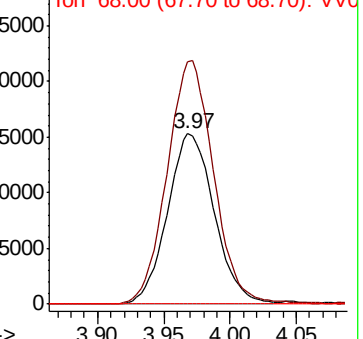
96 100

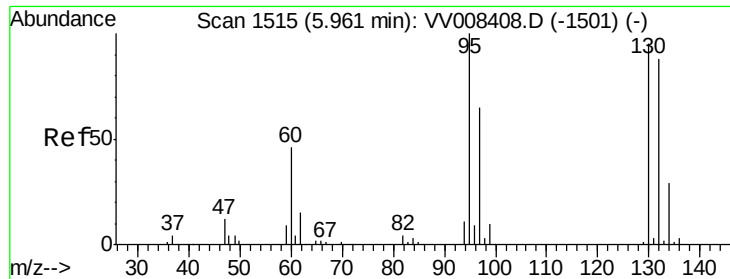
61 142.3 100.9 187.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV008412.D (-801) (-)





#34

Trichloroethene

Concen: 32.479 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008412.D

Acq: 25 Oct 2018 16:45

Instrument :

MSVOA_V

ClientSampleId :

ETBP3

Tgt Ion: 95 Resp: 48870

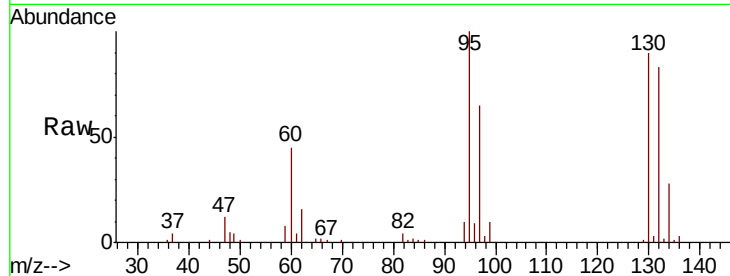
Ion Ratio Lower Upper

95 100

97 65.1 45.2 84.0

132 83.4 63.8 118.6

130 89.9 64.7 120.1

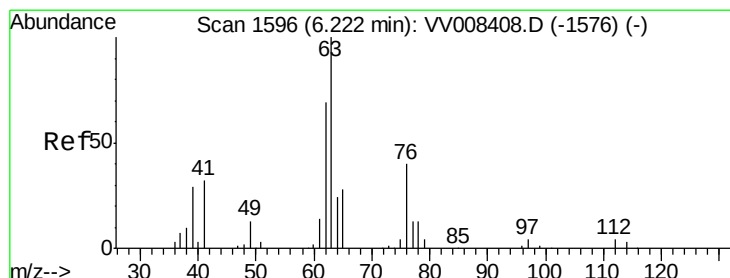
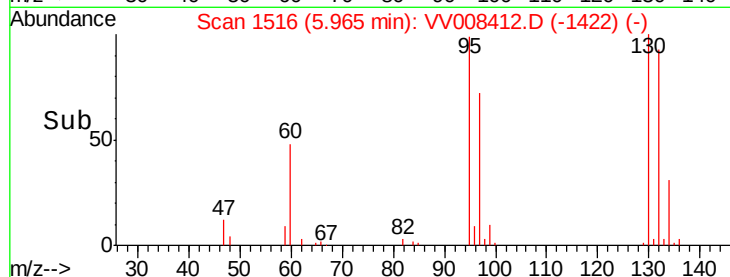
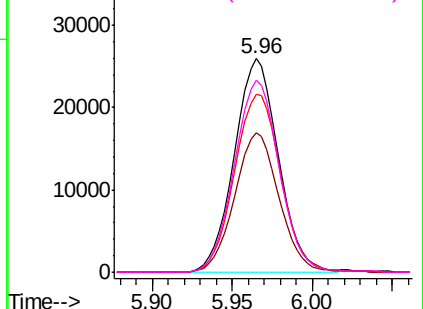


Abundance Ion 95.00 (94.70 to 95.70): VV008412.D (-1501) (-)

Ion 97.00 (96.70 to 97.70): VV008412.D (-1501) (-)

Ion 132.00 (131.70 to 132.70): VV008412.D (-1501) (-)

Ion 130.00 (129.70 to 130.70): VV008412.D (-1501) (-)



#37

1,2-Dichloropropane

Concen: 5.600 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.11 min

Lab File: VV008412.D

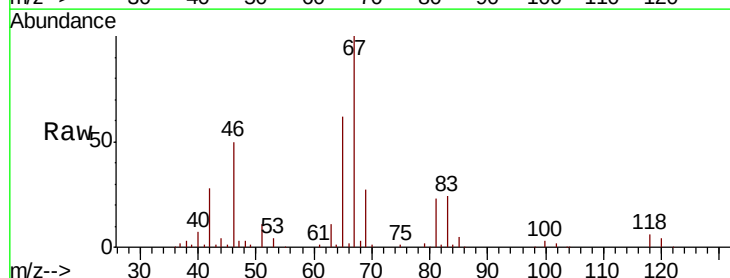
Acq: 25 Oct 2018 16:45

Tgt Ion: 63 Resp: 9089

Ion Ratio Lower Upper

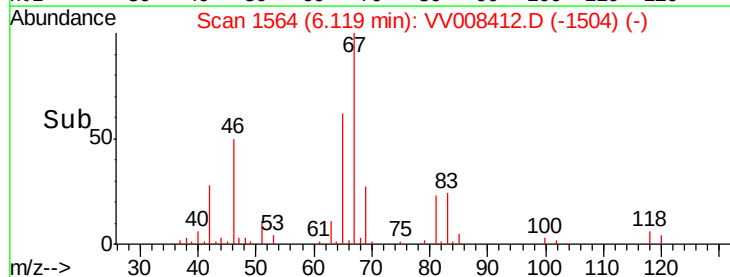
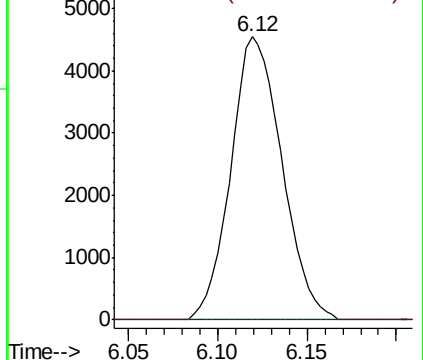
63 100

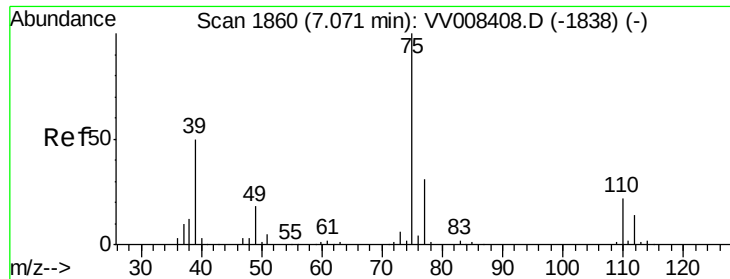
112 0.0 2.9 4.3#



Abundance Ion 63.00 (62.70 to 63.70): VV008412.D (-1504) (-)

Ion 112.00 (111.70 to 112.70): VV008412.D (-1504) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.954 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV008412.D

Acq: 25 Oct 2018 16:45

Instrument :

MSVOA_V

ClientSampleId :

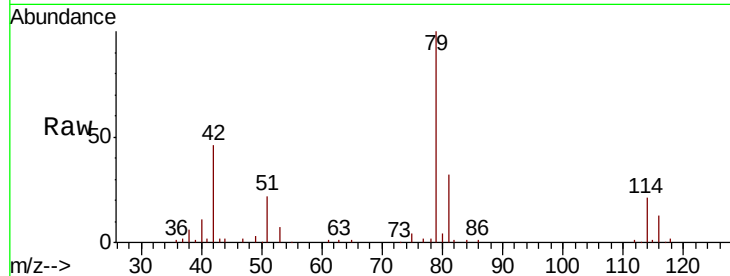
ETBP3

Tgt Ion: 75 Resp: 2434

Ion Ratio Lower Upper

75 100

77 57.2 22.6 42.0#



Abundance Ion 75.00 (74.70 to 75.70): VV008412.D (-1768) (-)

Ion 77.00 (76.70 to 77.70): VV008412.D (-1768) (-)

7.04

1500

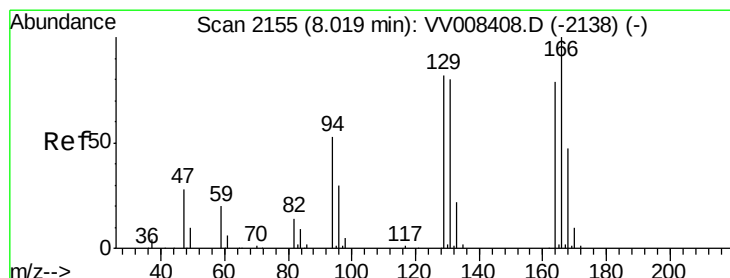
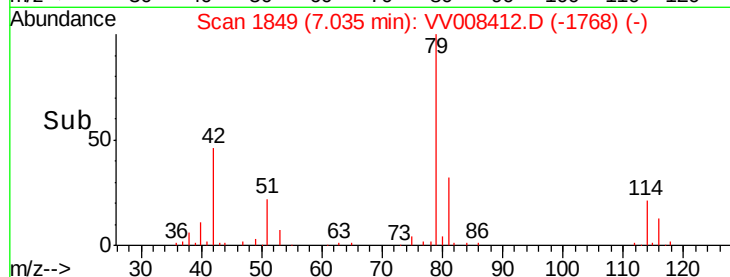
1000

500

0

7.00 7.05

Time-->



#46

Tetrachloroethene

Concen: 0.637 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008412.D

Acq: 25 Oct 2018 16:45

Tgt Ion: 164 Resp: 625

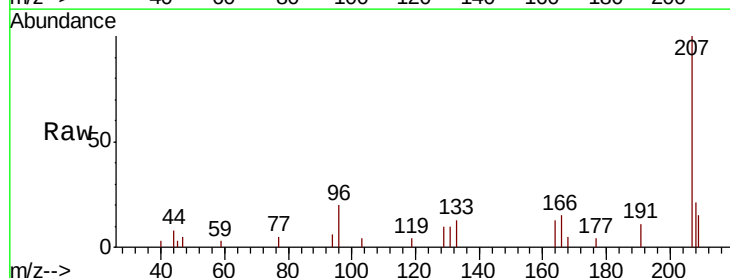
Ion Ratio Lower Upper

164 100

129 82.7 75.0 139.2

131 77.8 71.3 132.3

166 117.7 89.2 165.6



Abundance Ion 164.00 (163.70 to 164.70): VV008412.D (-2062) (-)

Ion 129.00 (128.70 to 129.70): VV008412.D (-2062) (-)

Ion 131.00 (130.70 to 131.70): VV008412.D (-2062) (-)

Ion 166.00 (165.70 to 166.70): VV008412.D (-2062) (-)

800

600

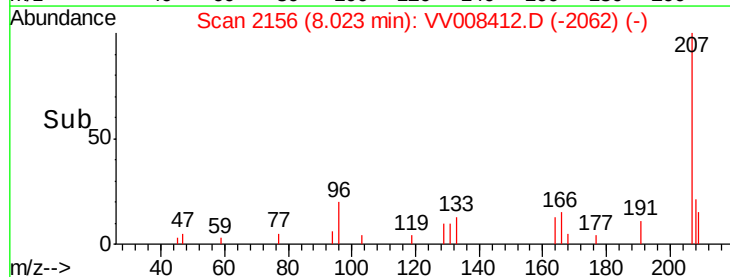
400

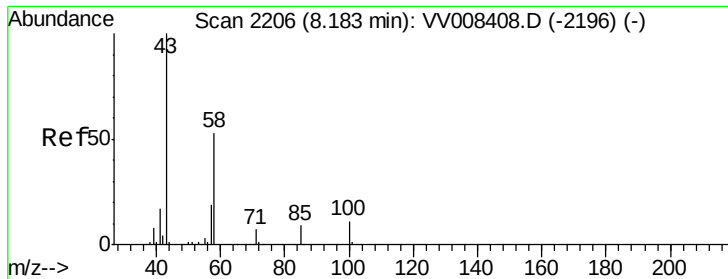
200

0

7.98 8.00 8.02 8.04 8.06

Time-->

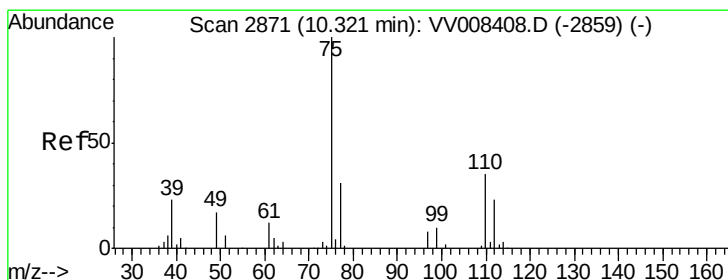
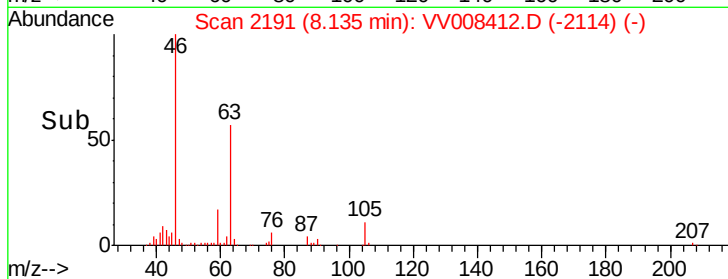
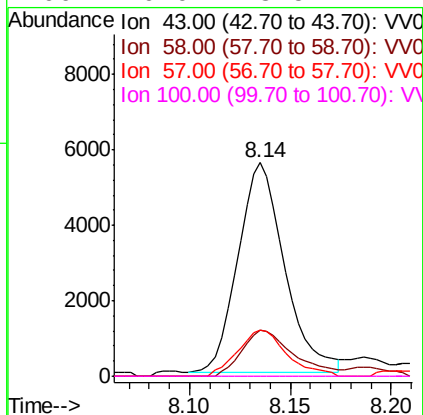
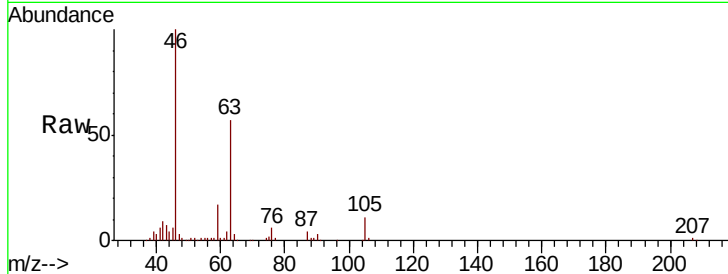




#48
 2-Hexanone
 Concen: 4.840 ug/L
 RT: 8.14 min Scan# 2191
 Delta R.T. -0.05 min
 Lab File: VV008412.D
 Acq: 25 Oct 2018 16:45

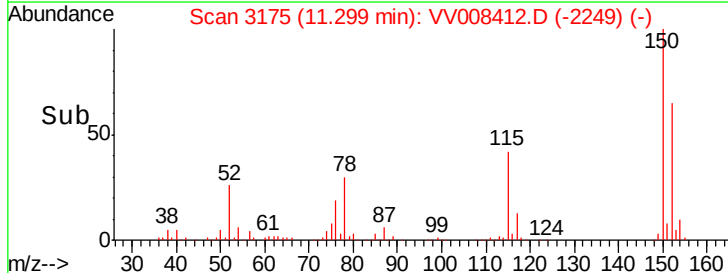
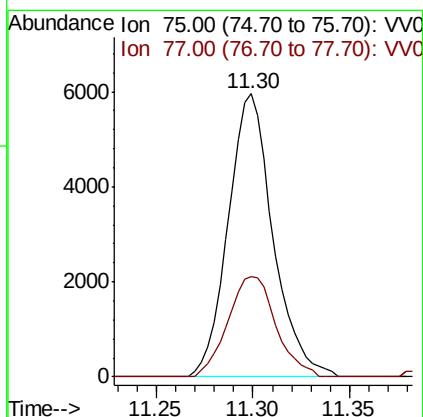
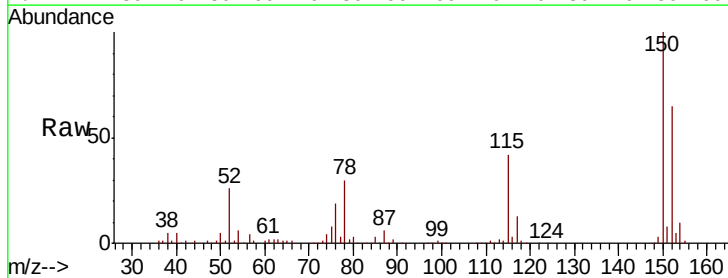
Instrument :
 MSVOA_V
 ClientSampleId :
 ETBP3

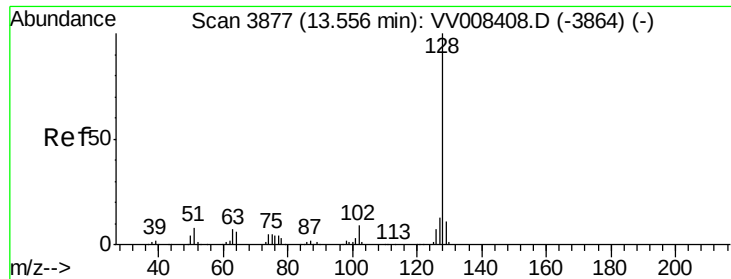
Tgt Ion: 43 Resp: 8977
 Ion Ratio Lower Upper
 43 100
 58 24.2 42.6 63.8#
 57 23.0 14.8 22.2#
 100 0.0 8.5 12.7#



#59
 1,2,3-Trichloropropane
 Concen: 4.711 ug/L
 RT: 11.30 min Scan# 3175
 Delta R.T. 0.98 min
 Lab File: VV008412.D
 Acq: 25 Oct 2018 16:45

Tgt Ion: 75 Resp: 9584
 Ion Ratio Lower Upper
 75 100
 77 38.1 25.8 38.8





#69

Naphthalene

Concen: 0.848 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV008412.D

Acq: 25 Oct 2018 16:45

Instrument :

MSVOA_V

ClientSampleId :

ETBP3

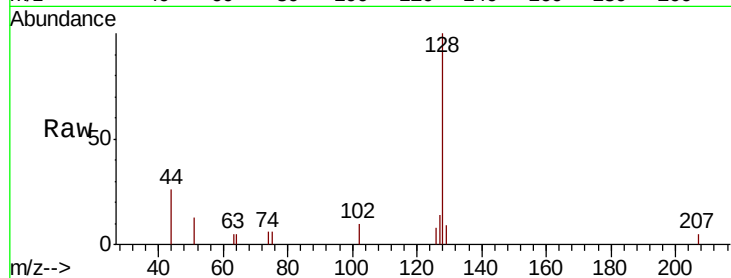
Tgt Ion:128 Resp: 3567

Ion Ratio Lower Upper

128 100

127 6.9 10.6 15.8#

129 7.8 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

