

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091518\
 Data File : VV007570.D
 Acq On : 15 Sep 2018 17:32
 Operator : SY/MD
 Sample : J4887-19
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0KS7

Quant Time: Sep 17 01:47:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 01:45:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	120778	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	107016	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	56057	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25602	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	1.59	69	24104	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.14	63	56231	4.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.60%
20) 2-Butanone-d5	3.97	46	49188	55.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.80%
24) Chloroform-d	4.41	84	58535	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.09	65	30402	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.10	84	119323	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.13	67	35237	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.36	98	121207	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	7.67	79	14202	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.15	63	22490	42.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.14%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22293	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	50963	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Qvalue
8) Chloroethane	1.32	64	389	0.101 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	667	0.098 ug/L #	20
12) 1,1-Dichloroethene	2.14	96	22631	3.692 ug/L #	80
13) Acetone	2.21	43	917	1.596 ug/L	74
19) 1,1-Dichloroethane	3.23	63	1141	0.117 ug/L #	76
22) cis-1,2-Dichloroethene	3.97	96	17234	2.622 ug/L	85
25) Chloroform	4.44	83	1922	0.173 ug/L	97
27) 1,2-Dichloroethane	5.11	62	744	0.116 ug/L #	74
29) 1,1,1-Trichloroethane	4.66	97	6859	0.659 ug/L	98
31) Carbon tetrachloride	4.66	117	920	0.094 ug/L	99
34) Trichloroethene	5.96	95	304666	44.952 ug/L	98
35) Methylcyclohexane	6.13	83	8900	0.850 ug/L #	22
37) 1,2-Dichloropropane	6.13	63	4056	0.745 ug/L #	85
39) cis-1,3-Dichloropropene	7.04	75	1240	0.143 ug/L #	75
44) trans-1,3-Dichloropropene	7.68	75	767	0.108 ug/L #	82
48) 2-Hexanone	8.20	43	8194	3.590 ug/L #	44
69) Naphthalene	13.57	128	2677	0.278 ug/L #	92

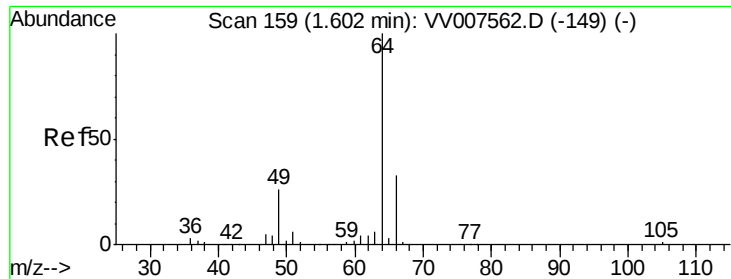
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091518\
Data File : VV007570.D
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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 01:45:59 2018
Response via : Initial Calibration

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



#8

Chloroethane

Concen: 0.101 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV007570.D

Acq: 15 Sep 2018 17:32

Instrument :

MSVOA_W

ClientSampleId :

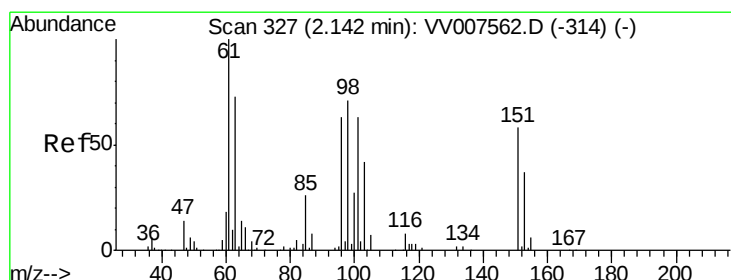
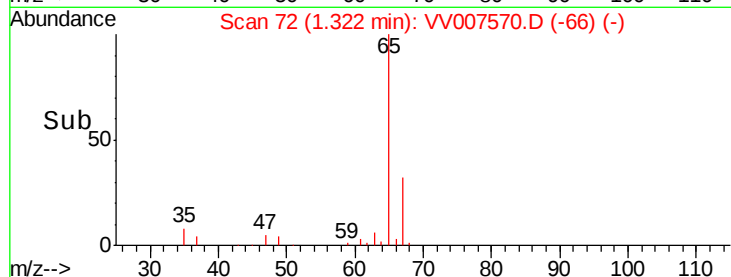
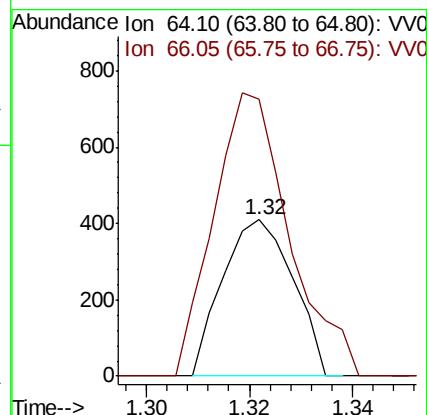
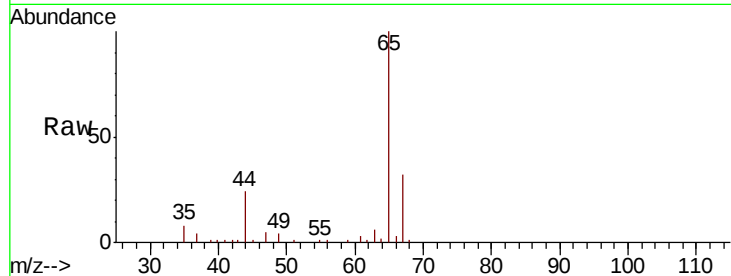
C0KS7

Tgt Ion: 64 Resp: 389

Ion Ratio Lower Upper

64 100

66 177.1 24.3 45.1#



#10

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

Concen: 0.098 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV007570.D

Acq: 15 Sep 2018 17:32

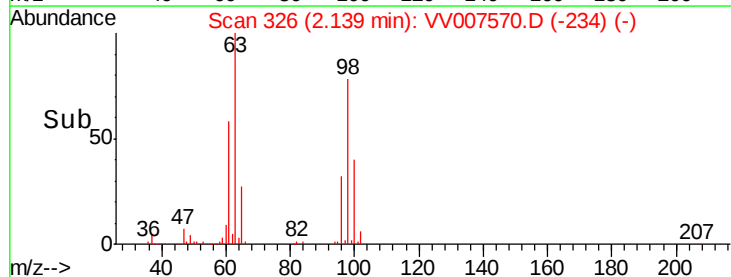
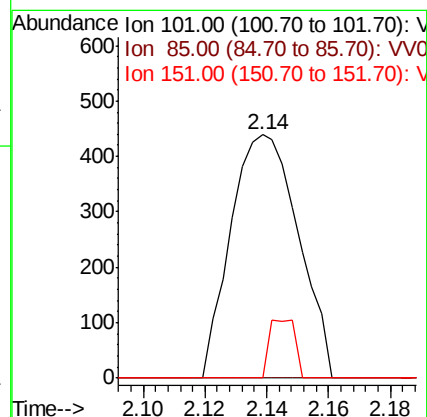
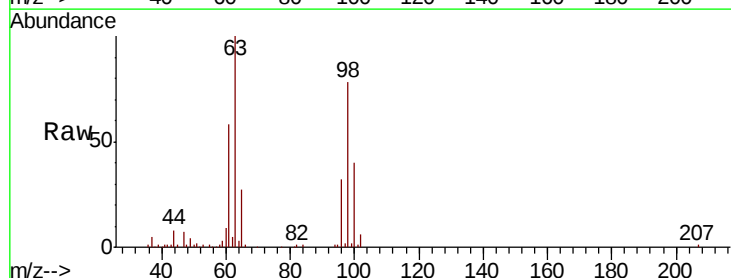
Tgt Ion: 101 Resp: 667

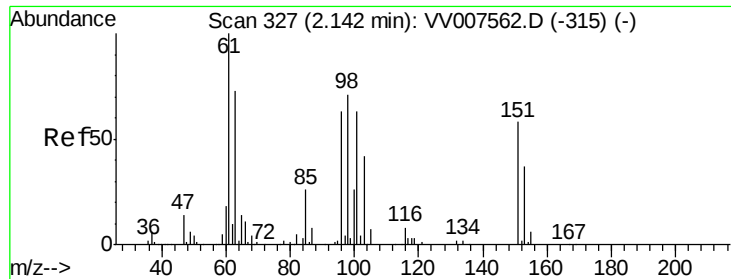
Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 9.0 72.6 109.0#

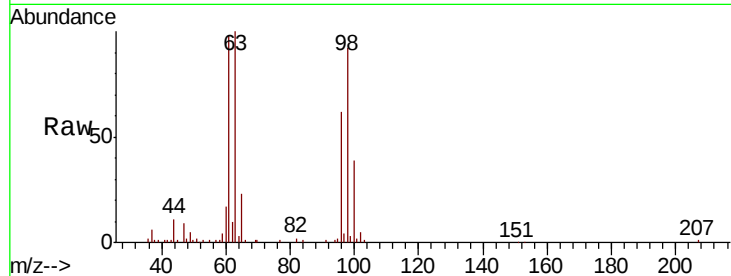




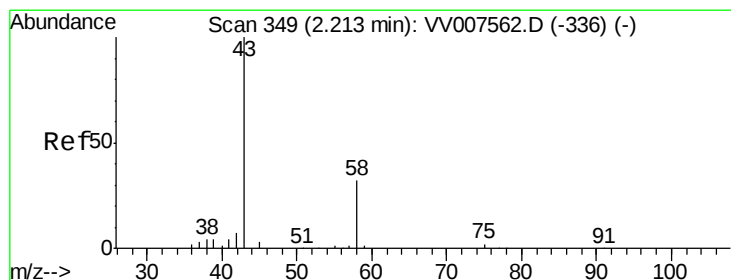
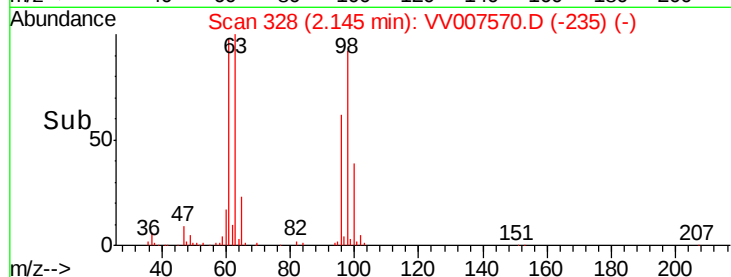
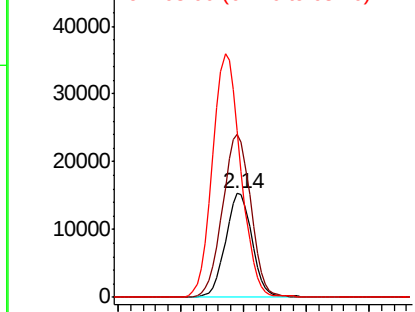
#12
 1,1-Dichloroethene
 Concen: 3.692 ug/L
 RT: 2.14 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VV007570.D
 Acq: 15 Sep 2018 17:32

Instrument :
 MSVOA_W
 ClientSampleID :
 C0KS7

Tgt Ion: 96 Resp: 22631
 Ion Ratio Lower Upper
 96 100
 61 157.2 114.8 213.2
 63 160.8 81.8 151.8#

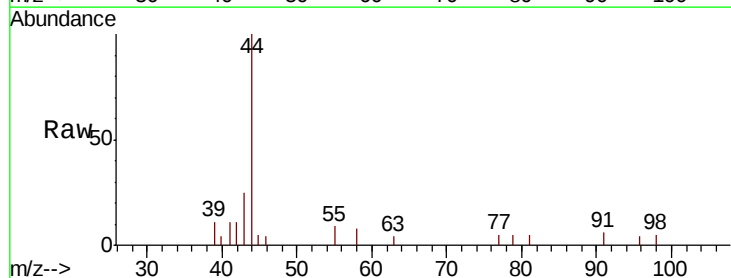


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 63.00 (62.70 to 63.70): VV0

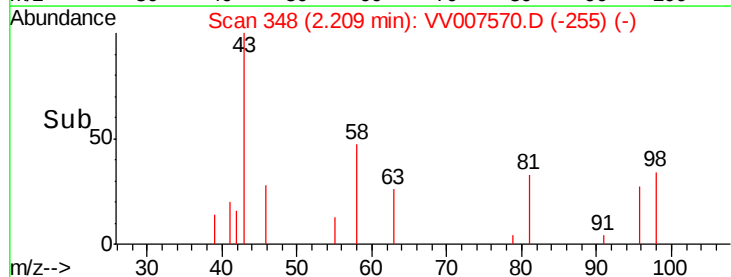
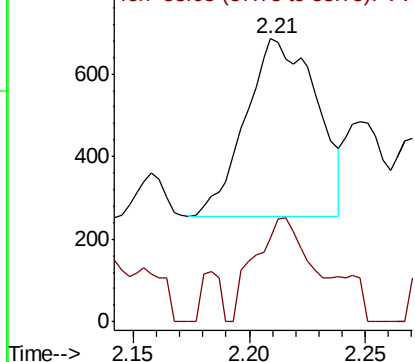


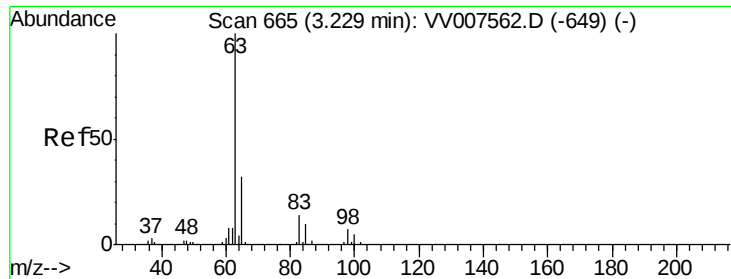
#13
 Acetone
 Concen: 1.596 ug/L
 RT: 2.21 min Scan# 348
 Delta R.T. 0.00 min
 Lab File: VV007570.D
 Acq: 15 Sep 2018 17:32

Tgt Ion: 43 Resp: 917
 Ion Ratio Lower Upper
 43 100
 58 46.0 0.0 63.4



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 58.05 (57.75 to 58.75): VV0

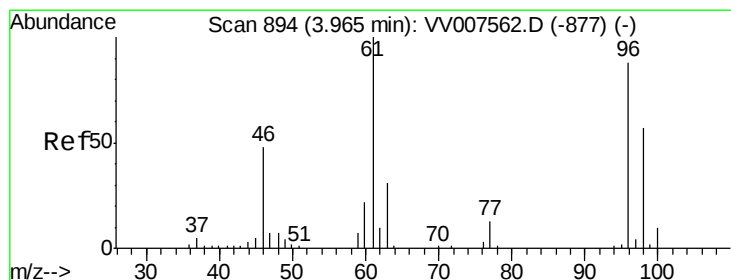
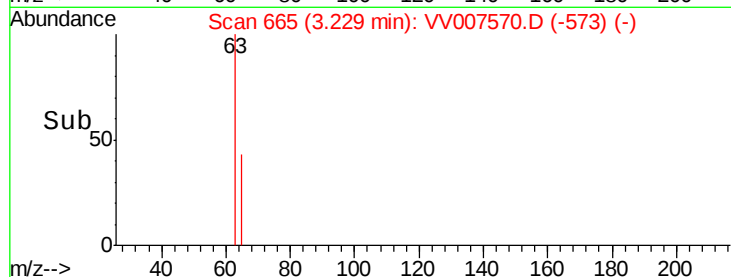
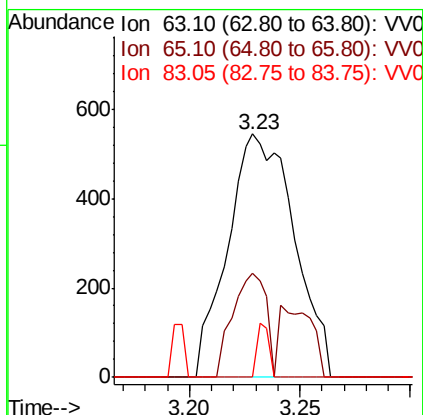
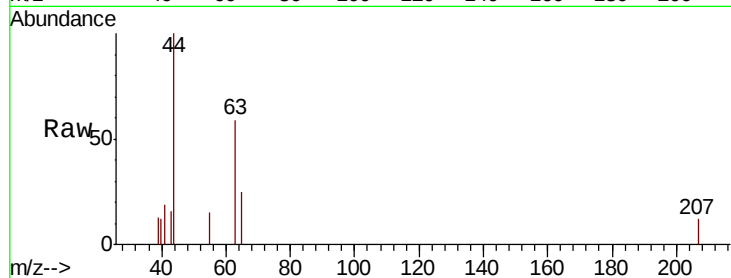




#19
 1,1-Dichloroethane
 Concen: 0.117 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV007570.D
 Acq: 15 Sep 2018 17:32

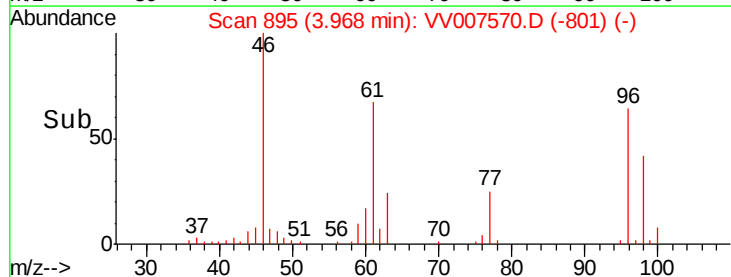
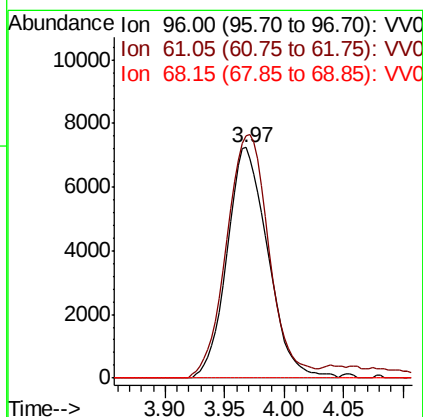
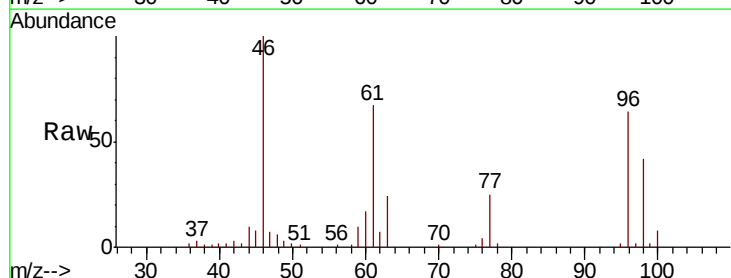
Instrument :
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 ClientSampleId :
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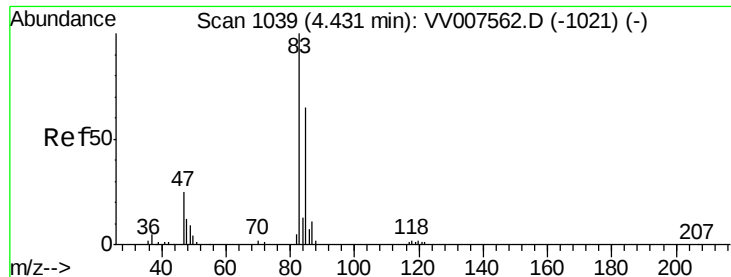
Tgt Ion: 63 Resp: 1141
 Ion Ratio Lower Upper
 63 100
 65 42.6 22.5 41.9#
 83 0.0 10.4 19.2#



#22
 cis-1,2-Dichloroethene
 Concen: 2.622 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV007570.D
 Acq: 15 Sep 2018 17:32

Tgt Ion: 96 Resp: 17234
 Ion Ratio Lower Upper
 96 100
 61 105.1 85.3 158.5
 68 0.0 0.0 0.0

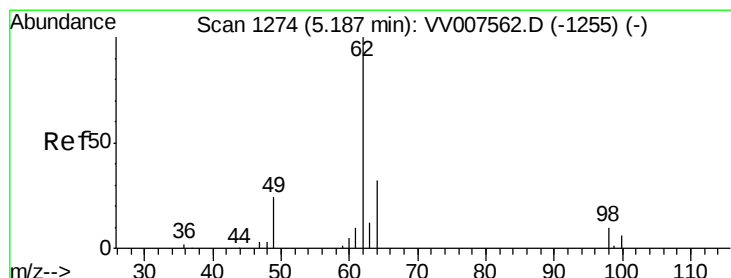
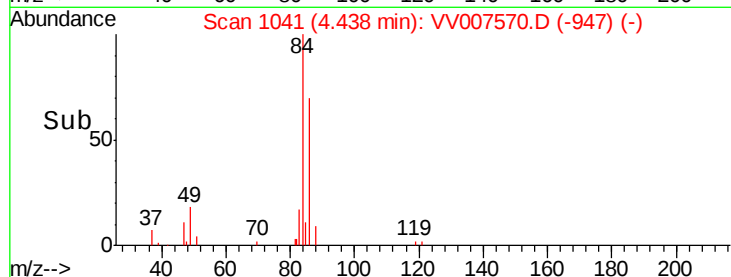
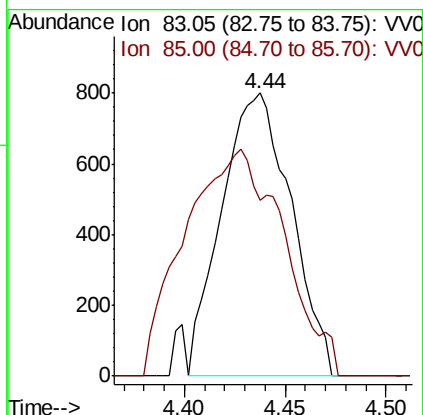
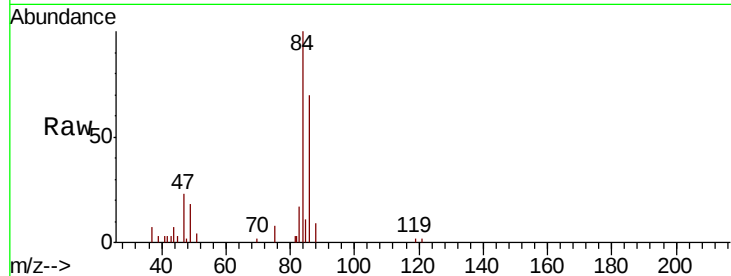




#25
Chloroform
Concen: 0.173 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VV007570.D
Acq: 15 Sep 2018 17:32

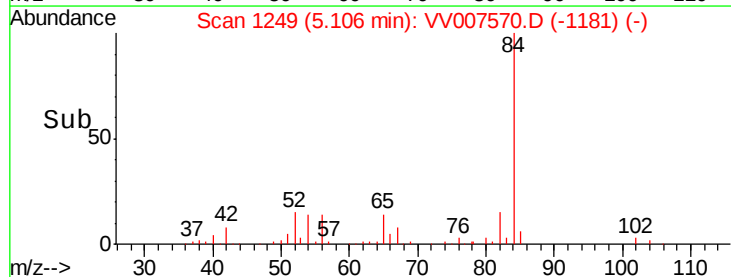
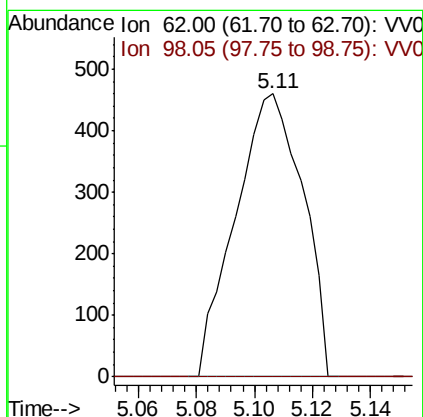
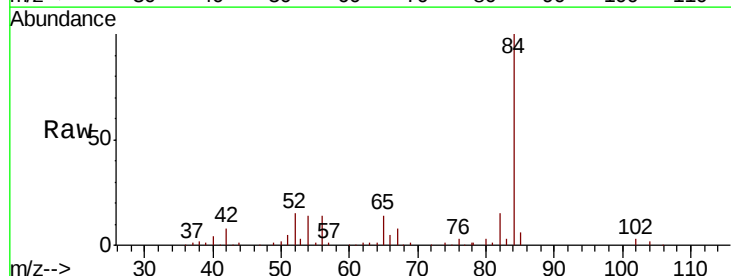
Instrument :
MSVOA_W
ClientSampleId :
C0KS7

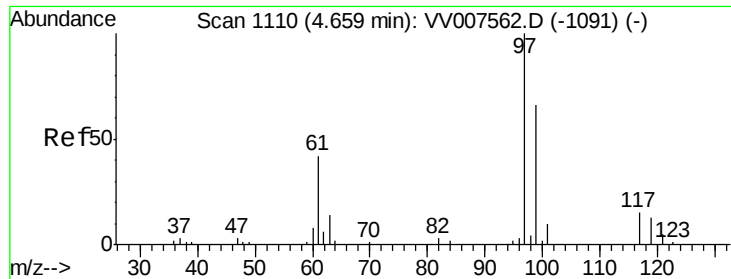
Tgt Ion: 83 Resp: 1922
Ion Ratio Lower Upper
83 100
85 62.2 45.5 84.5



#27
1,2-Dichloroethane
Concen: 0.116 ug/L
RT: 5.11 min Scan# 1249
Delta R.T. -0.08 min
Lab File: VV007570.D
Acq: 15 Sep 2018 17:32

Tgt Ion: 62 Resp: 744
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#29

1,1,1-Trichloroethane

Concen: 0.659 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV007570.D

Acq: 15 Sep 2018 17:32

Instrument :

MSVOA_W

ClientSampleId :

C0KS7

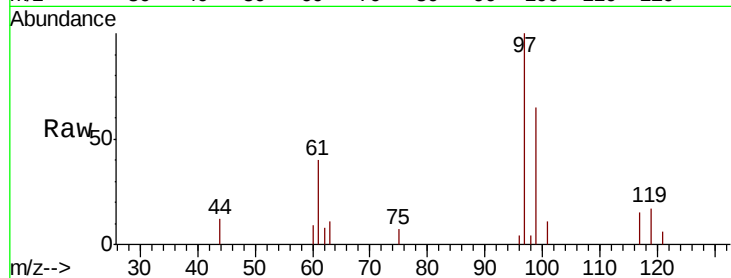
Tgt Ion: 97 Resp: 6859

Ion Ratio Lower Upper

97 100

99 64.1 50.7 76.1

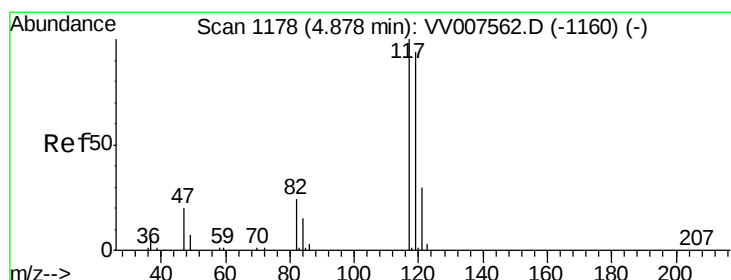
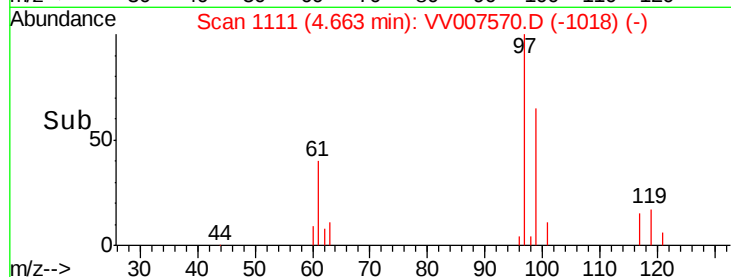
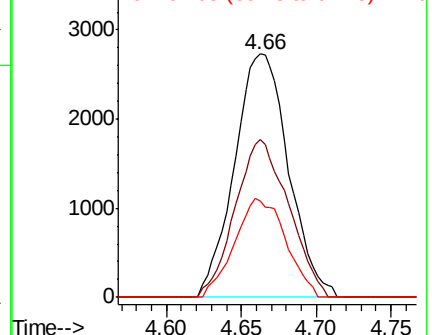
61 38.5 32.5 48.7



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: 0.094 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.22 min

Lab File: VV007570.D

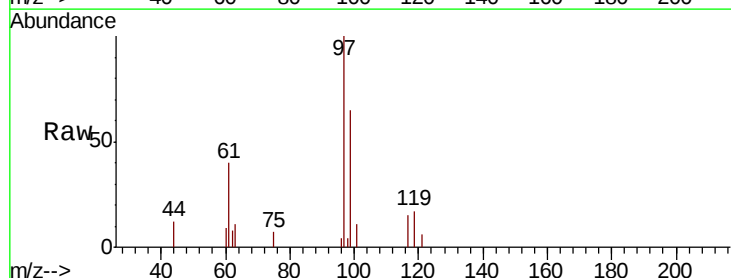
Acq: 15 Sep 2018 17:32

Tgt Ion: 117 Resp: 920

Ion Ratio Lower Upper

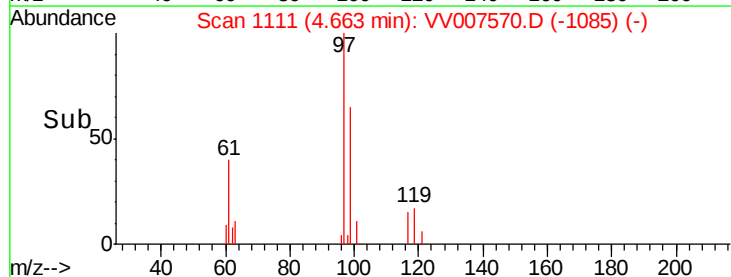
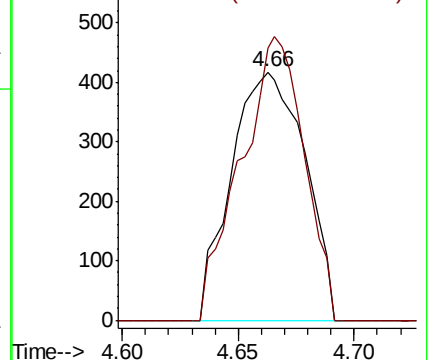
117 100

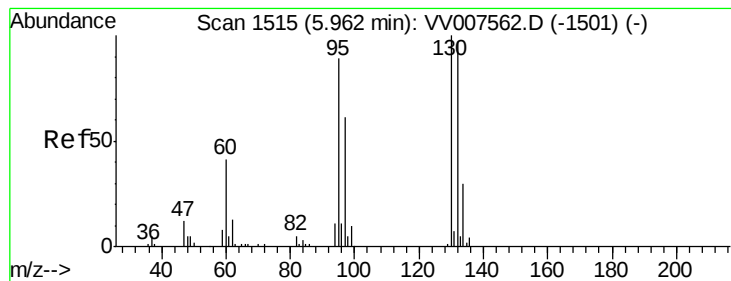
119 98.4 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V





#34

Trichloroethene

Concen: 44.952 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007570.D

Acq: 15 Sep 2018 17:32

Instrument :

MSVOA_W

ClientSampleId :

C0KS7

Tgt Ion: 95 Resp: 304666

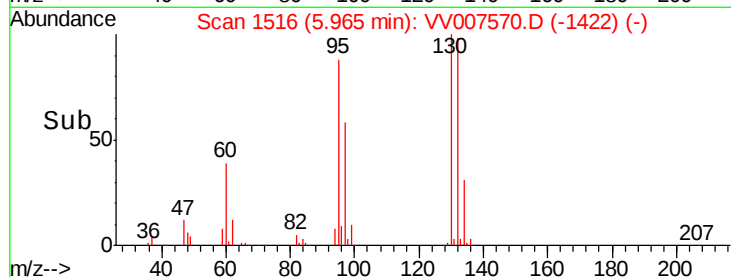
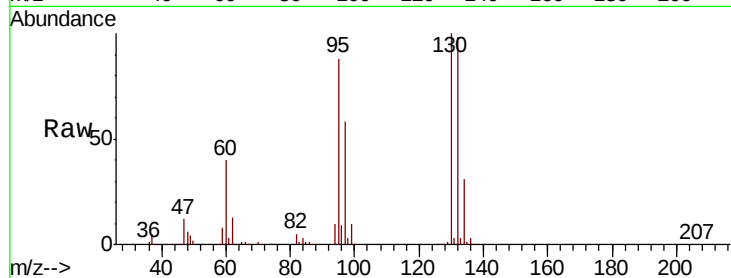
Ion Ratio Lower Upper

95 100

97 65.8 45.5 84.5

132 110.9 74.9 139.1

130 113.1 80.0 148.6



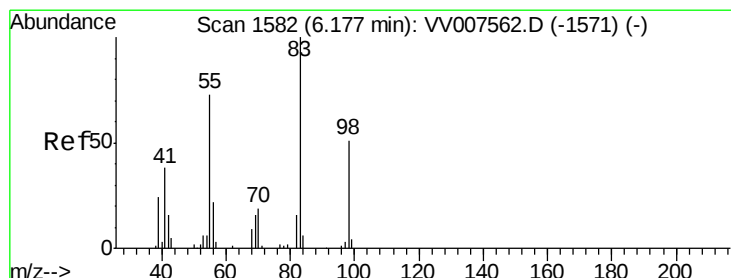
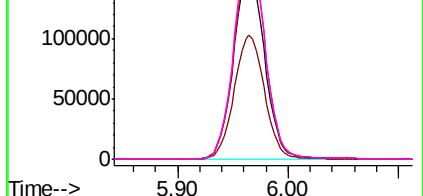
Abundance Ion 95.00 (94.70 to 95.70): VV007570.D (-1422) (-)

Ion 96.95 (96.65 to 97.65): VV007570.D (-1422) (-)

Ion 131.95 (131.65 to 132.65): VV007570.D (-1422) (-)

Ion 129.95 (129.65 to 130.65): VV007570.D (-1422) (-)

Time-->



#35

Methylcyclohexane

Concen: 0.850 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.05 min

Lab File: VV007570.D

Acq: 15 Sep 2018 17:32

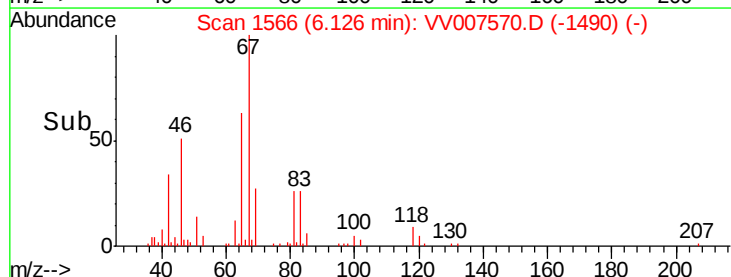
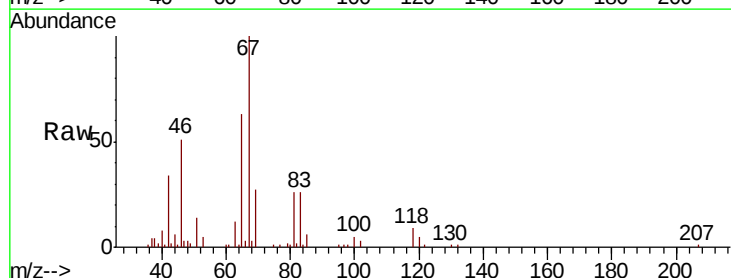
Tgt Ion: 83 Resp: 8900

Ion Ratio Lower Upper

83 100

55 1.0 55.0 82.4#

98 0.0 37.6 56.4#

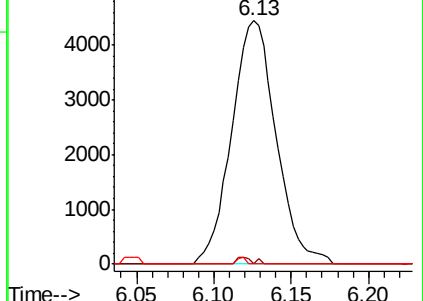


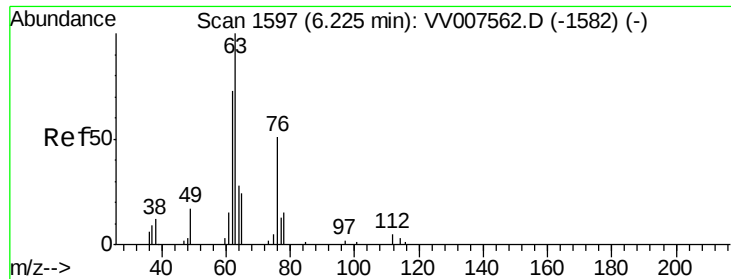
Abundance Ion 83.15 (82.85 to 83.85): VV007570.D (-1490) (-)

Ion 55.10 (54.80 to 55.80): VV007570.D (-1490) (-)

Ion 98.15 (97.85 to 98.85): VV007570.D (-1490) (-)

Time-->





#37

1,2-Dichloropropane

Concen: 0.745 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV007570.D

Acq: 15 Sep 2018 17:32

Instrument :

MSVOA_W

ClientSampleId :

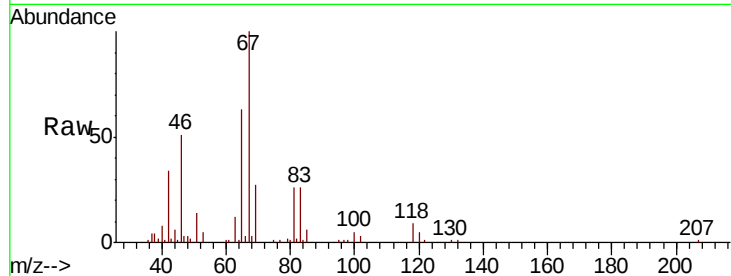
C0KS7

Tgt Ion: 63 Resp: 4056

Ion Ratio Lower Upper

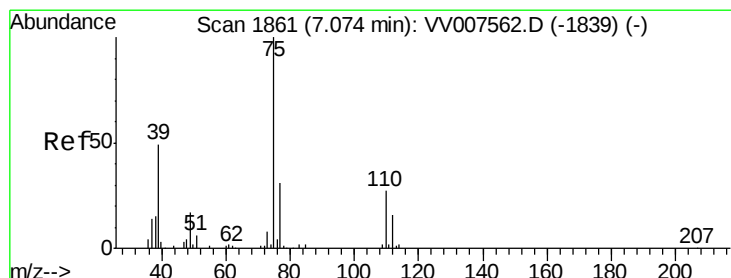
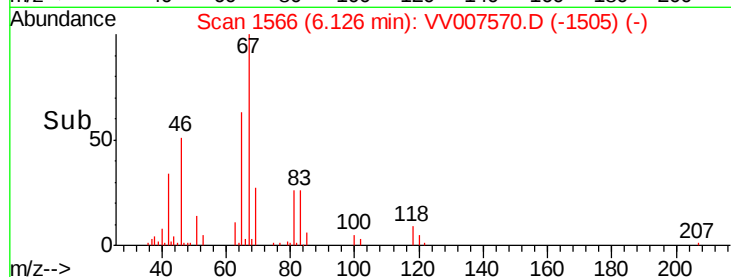
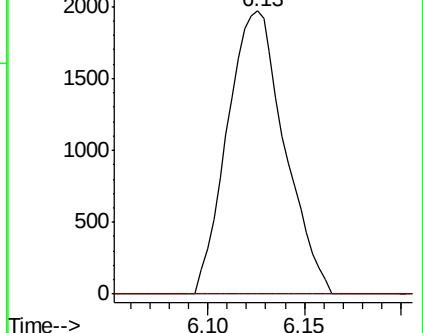
63 100

112 0.0 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV007562.D (-1582) (-)

Ion 112.10 (111.80 to 112.80): VV007562.D (-1582) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.143 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV007570.D

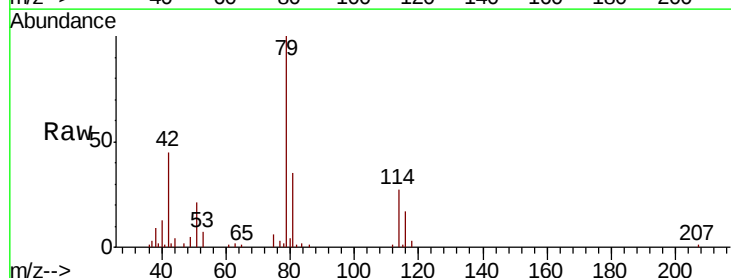
Acq: 15 Sep 2018 17:32

Tgt Ion: 75 Resp: 1240

Ion Ratio Lower Upper

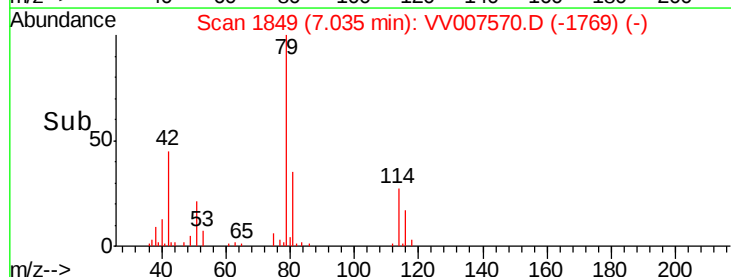
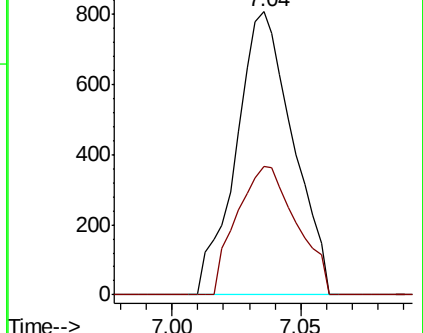
75 100

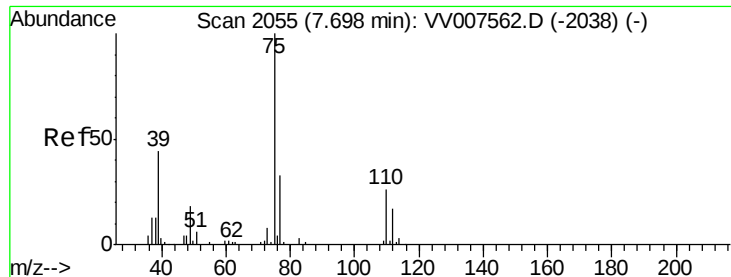
77 45.5 22.0 41.0#



Abundance Ion 75.05 (74.75 to 75.75): VV007562.D (-1839) (-)

Ion 77.05 (76.75 to 77.75): VV007562.D (-1839) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.108 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. -0.02 min

Lab File: VV007570.D

Acq: 15 Sep 2018 17:32

Instrument :

MSVOA_W

ClientSampled :

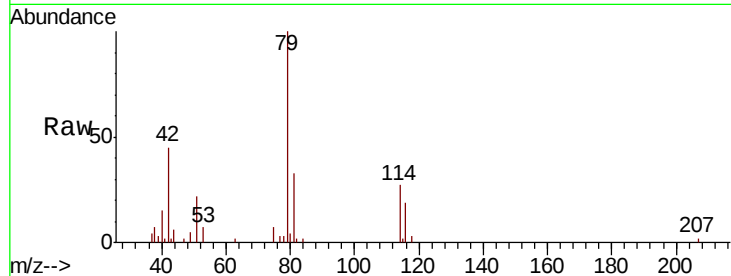
C0KS7

Tgt Ion: 75 Resp: 767

Ion Ratio Lower Upper

75 100

77 43.4 23.4 43.4#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.68

500

400

300

200

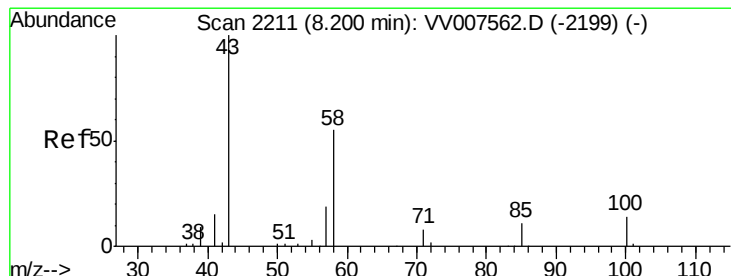
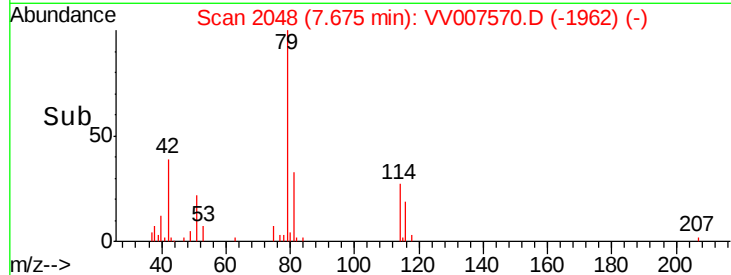
100

0

7.65

7.70

Time-->



#48

2-Hexanone

Concen: 3.590 ug/L

RT: 8.20 min Scan# 2211

Delta R.T. 0.00 min

Lab File: VV007570.D

Acq: 15 Sep 2018 17:32

Tgt Ion: 43 Resp: 8194

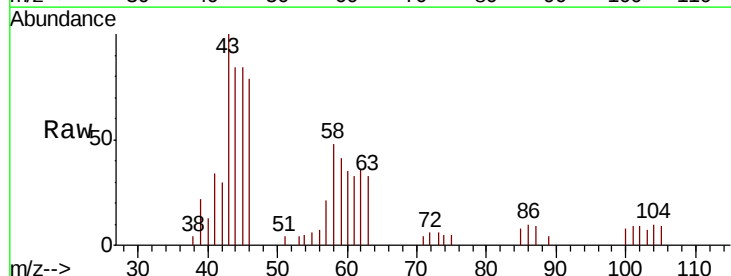
Ion Ratio Lower Upper

43 100

58 0.0 49.8 74.6#

57 26.7 18.2 27.4

100 4.3 11.0 16.4#



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

4000

3000

2000

1000

0

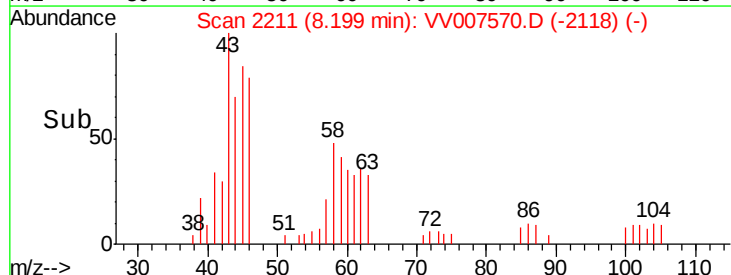
8.15

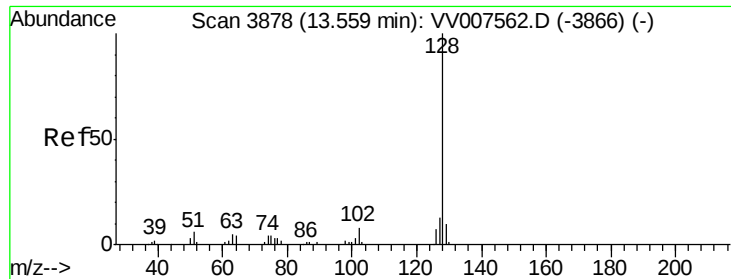
8.20

8.25

8.30

Time-->





#69

Naphthalene

Concen: 0.278 ug/L

RT: 13.57 min Scan# 3880

Delta R.T. 0.01 min

Lab File: VV007570.D

Acq: 15 Sep 2018 17:32

Instrument :

MSVOA_W

ClientSampleId :

C0KS7

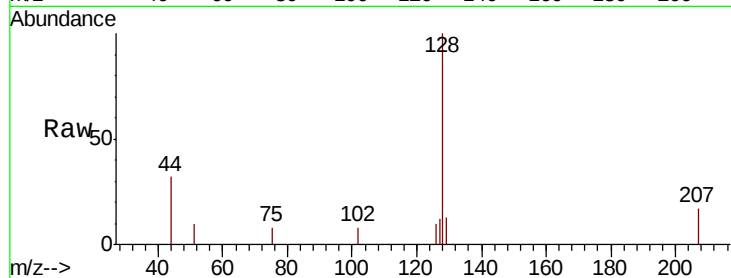
Tgt Ion:128 Resp: 2677

Ion Ratio Lower Upper

128 100

129 7.8 8.5 12.7#

127 9.8 10.5 15.7#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

