

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091518\
 Data File : VV007569.D
 Acq On : 15 Sep 2018 17:06
 Operator : SY/MD
 Sample : J4887-18
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0KS6

Quant Time: Sep 17 01:46:57 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	118590	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	104253	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	53813	5.00	ug/L	0.00

System Monitoring Compounds

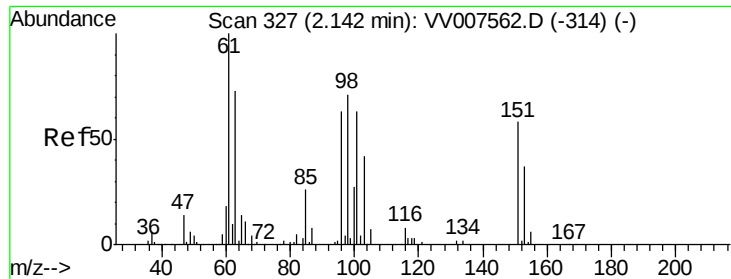
4) Vinyl Chloride-d3	1.32	65	25873	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.59	69	23880	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.14	63	56729	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.00%
20) 2-Butanone-d5	3.97	46	45247	52.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.74%
24) Chloroform-d	4.41	84	58609	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.09	65	30005	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.10	84	118025	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.13	67	34654	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.36	98	119196	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	7.67	79	13538	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.15	63	21647	41.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.14%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22179	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	49627	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	713	0.106	ug/L #	26
12) 1,1-Dichloroethene	2.15	96	22571	3.750	ug/L #	82
19) 1,1-Dichloroethane	3.24	63	1207	0.126	ug/L #	87
22) cis-1,2-Dichloroethene	3.97	96	18183	2.817	ug/L	88
25) Chloroform	4.43	83	2158	0.198	ug/L	92
29) 1,1,1-Trichloroethane	4.67	97	6862	0.677	ug/L	99
31) Carbon tetrachloride	4.67	117	956	0.100	ug/L #	79
34) Trichloroethene	5.96	95	308213	46.681	ug/L	99
35) Methylcyclohexane	6.13	83	8750	0.858	ug/L #	24
37) 1,2-Dichloropropane	6.12	63	4084	0.770	ug/L #	85
39) cis-1,3-Dichloropropene	7.03	75	1173	0.139	ug/L #	65
44) trans-1,3-Dichloropropene	7.67	75	614	0.088	ug/L #	67
48) 2-Hexanone	8.20	43	7220	3.247	ug/L #	36
69) Naphthalene	13.57	128	2534	0.274	ug/L	99

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

```
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Acq On    : 15 Sep 2018   17:06  
Operator  : SY/MD  
Sample    : J4887-18  
Misc      : 25.0 mL/MSVOA_V/WATER  
ALS Vial  : 9    Sample Multiplier: 1
```



#10

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

Concen: 0.106 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV007569.D

Acq: 15 Sep 2018 17:06

Instrument :

MSVOA_W

ClientSampled :

C0KS6

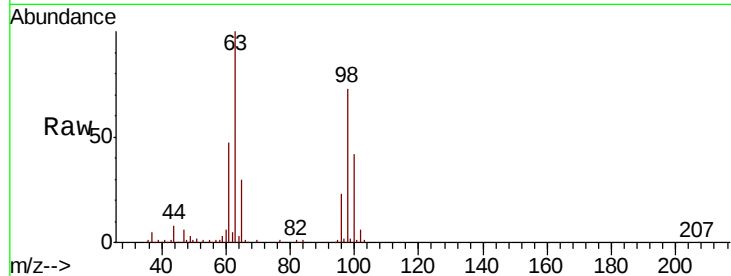
Tgt Ion: 101 Resp: 713

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

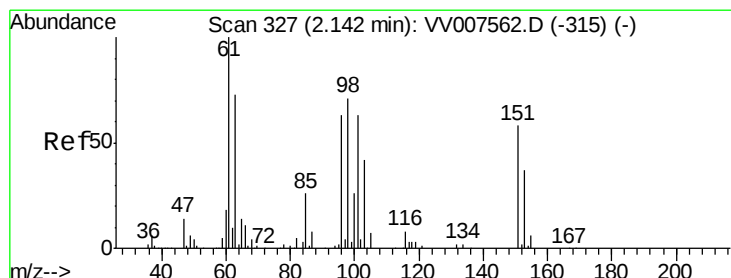
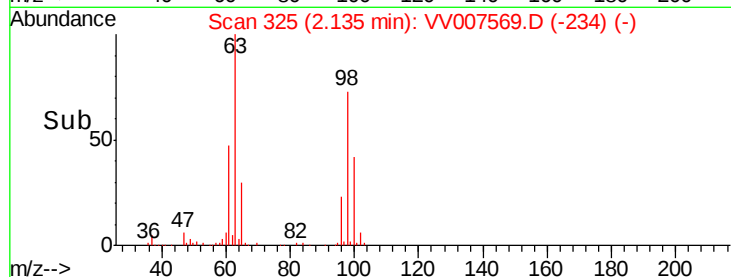
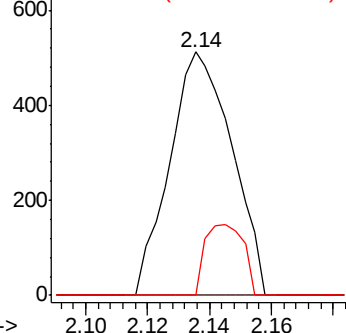
151 17.8 72.6 109.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 3.750 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007569.D

Acq: 15 Sep 2018 17:06

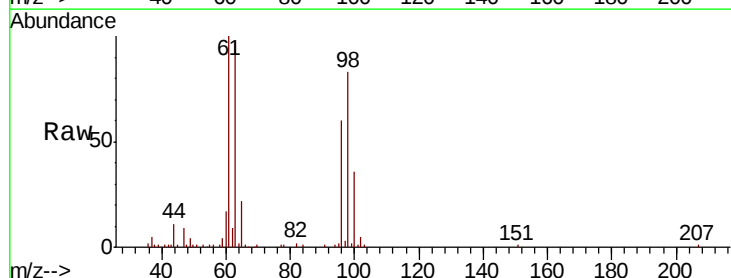
Tgt Ion: 96 Resp: 22571

Ion Ratio Lower Upper

96 100

61 166.0 114.8 213.2

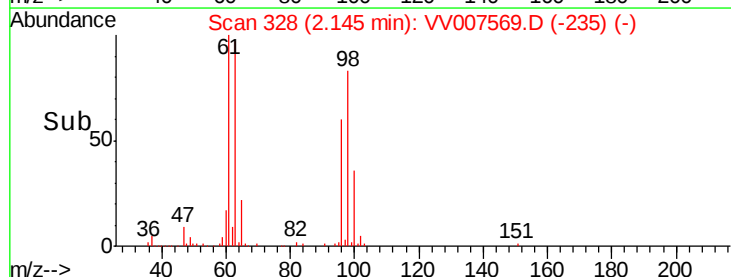
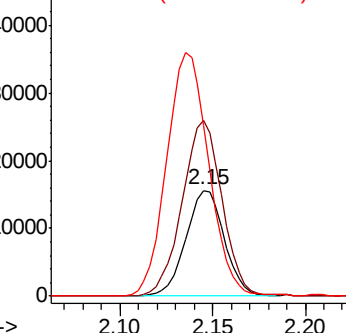
63 161.6 81.8 151.8#

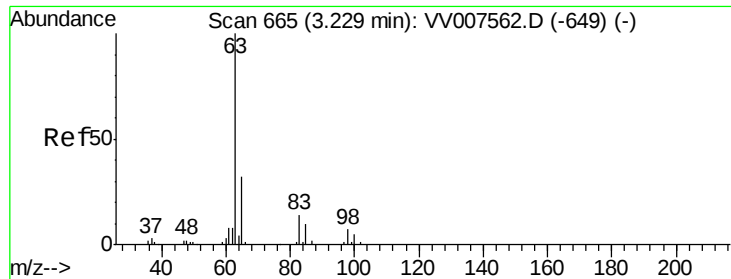


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#19

1,1-Dichloroethane

Concen: 0.126 ug/L

RT: 3.24 min Scan# 668

Delta R.T. 0.01 min

Lab File: VV007569.D

Acq: 15 Sep 2018 17:06

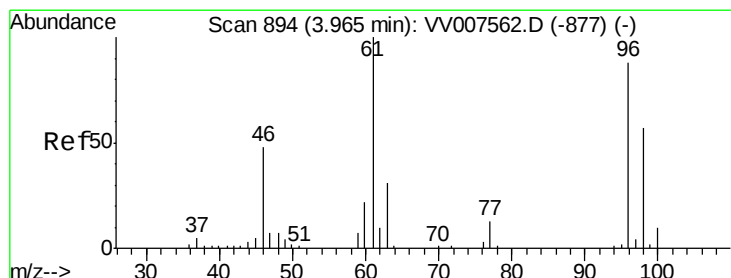
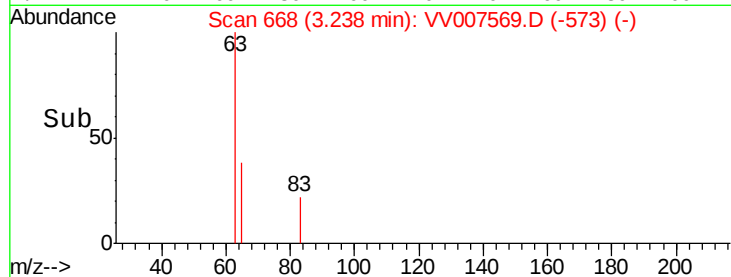
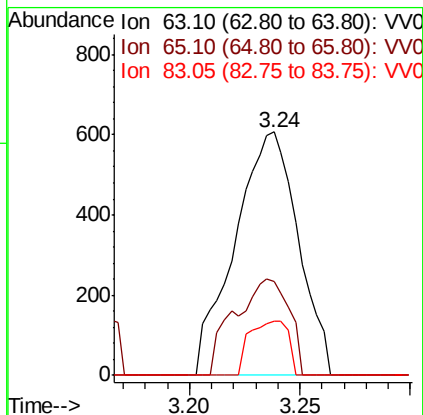
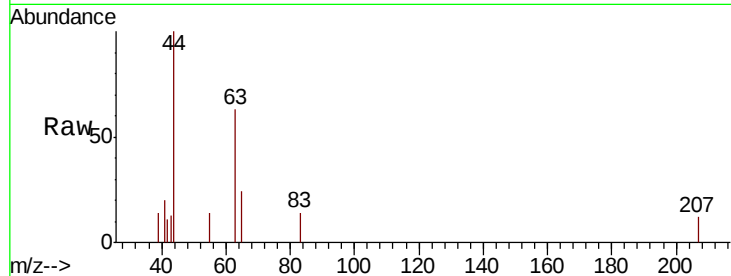
Instrument :

MSVOA_W

ClientSampleId :

C0KS6

Tgt Ion:	63	Resp:	1207
Ion	Ratio	Lower	Upper
63	100		
65	38.4	22.5	41.9
83	22.1	10.4	19.2#



#22

cis-1,2-Dichloroethene

Concen: 2.817 ug/L

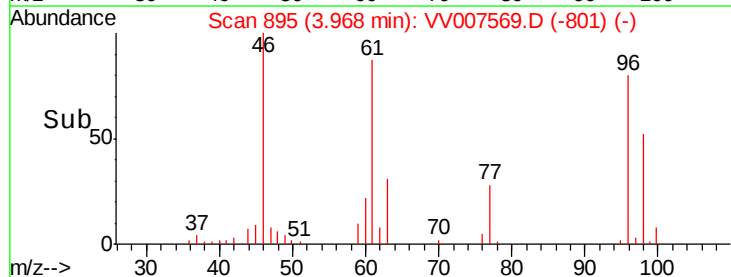
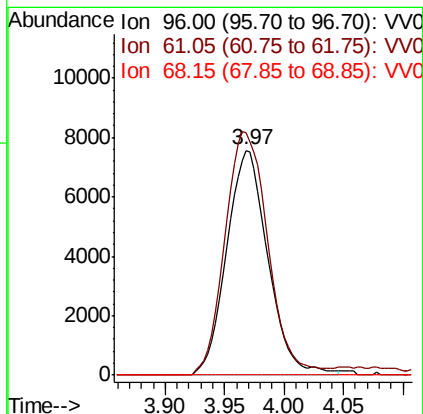
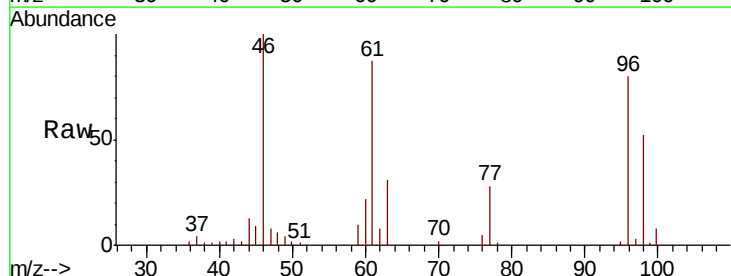
RT: 3.97 min Scan# 895

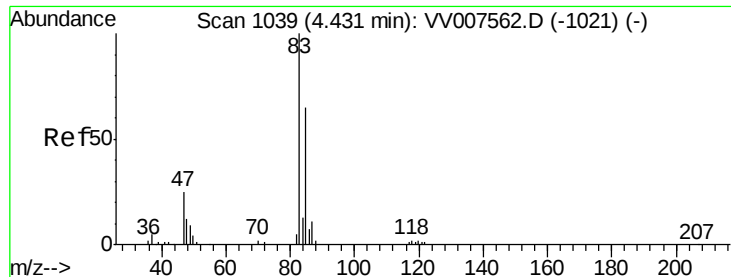
Delta R.T. 0.00 min

Lab File: VV007569.D

Acq: 15 Sep 2018 17:06

Tgt Ion:	96	Resp:	18183
Ion	Ratio	Lower	Upper
96	100		
61	107.9	85.3	158.5
68	0.0	0.0	0.0





#25

Chloroform

Concen: 0.198 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. -0.01 min

Lab File: VV007569.D

Acq: 15 Sep 2018 17:06

Instrument :

MSVOA_W

ClientSampleId :

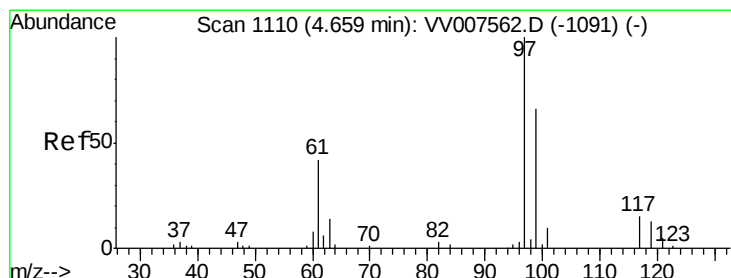
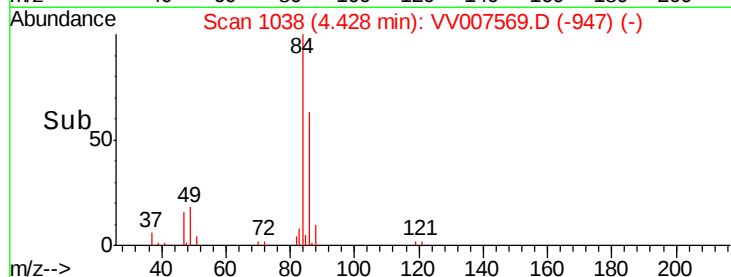
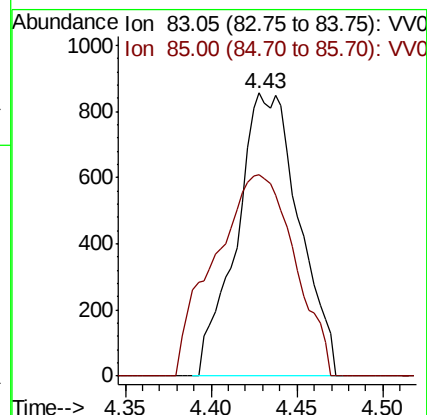
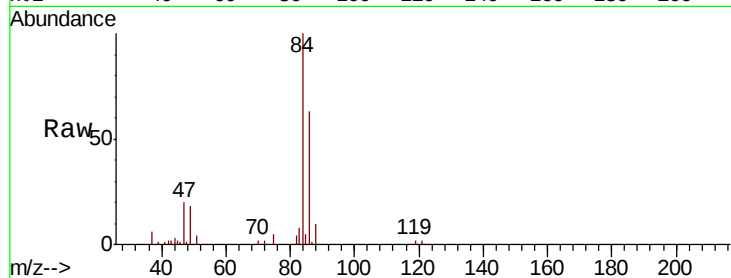
C0KS6

Tgt Ion: 83 Resp: 2158

Ion Ratio Lower Upper

83 100

85 71.1 45.5 84.5



#29

1,1,1-Trichloroethane

Concen: 0.677 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VV007569.D

Acq: 15 Sep 2018 17:06

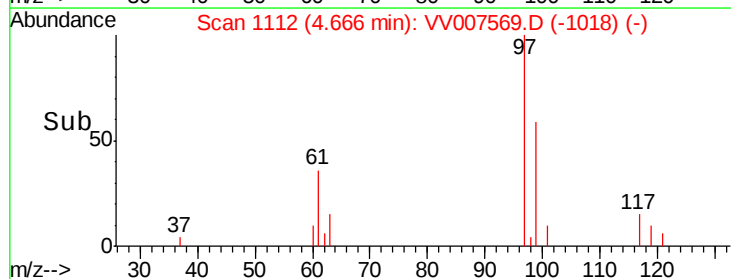
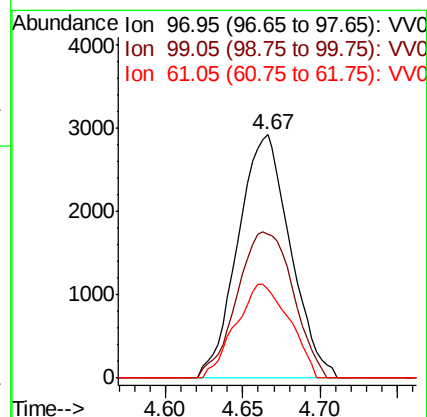
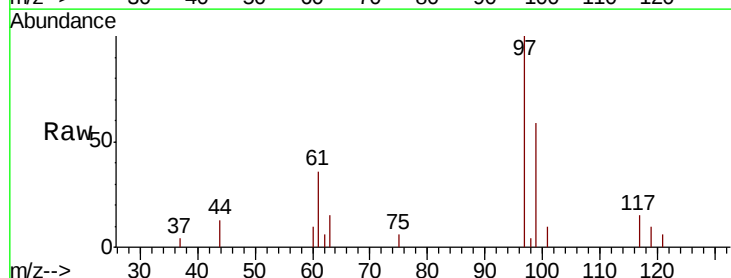
Tgt Ion: 97 Resp: 6862

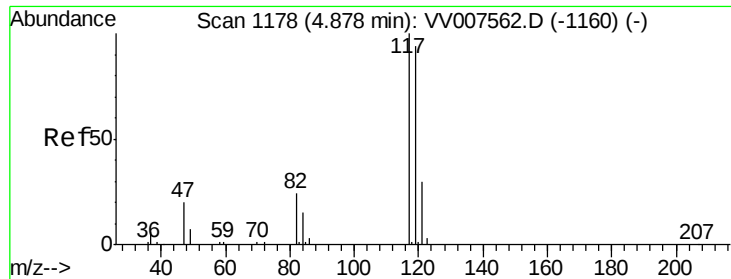
Ion Ratio Lower Upper

97 100

99 64.4 50.7 76.1

61 39.5 32.5 48.7





#31

Carbon tetrachloride

Concen: 0.100 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.21 min

Lab File: VV007569.D

Acq: 15 Sep 2018 17:06

Instrument :

MSVOA_W

ClientSampleId :

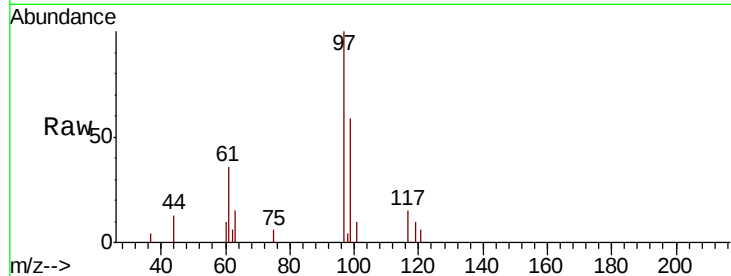
C0KS6

Tgt Ion:117 Resp: 956

Ion Ratio Lower Upper

117 100

119 76.3 77.5 116.3#



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.67

400

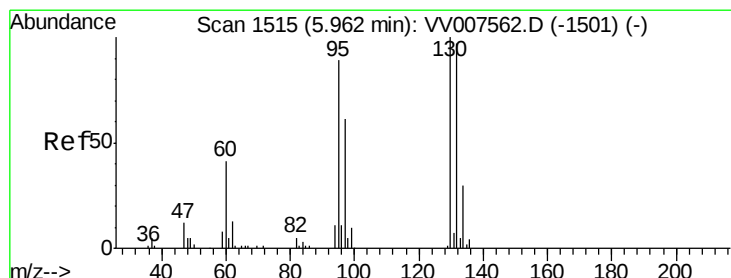
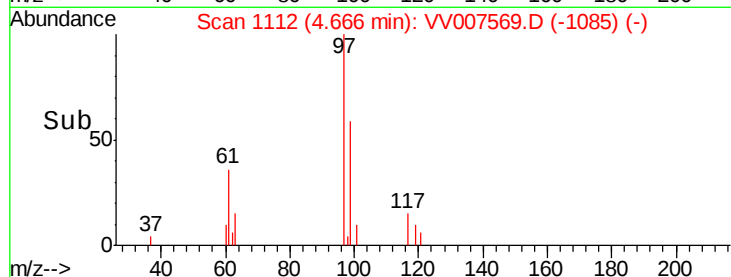
300

200

100

0

Time--> 4.60 4.65 4.70



#34

Trichloroethene

Concen: 46.681 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007569.D

Acq: 15 Sep 2018 17:06

Tgt Ion: 95 Resp: 308213

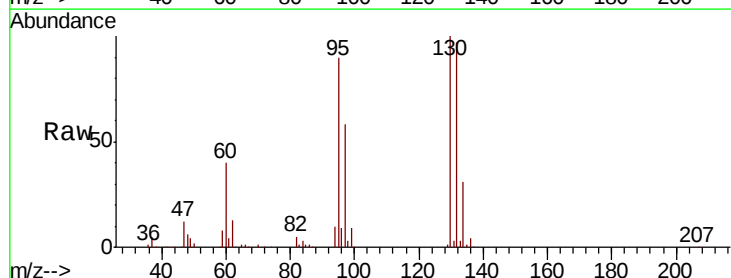
Ion Ratio Lower Upper

95 100

97 64.4 45.5 84.5

132 107.8 74.9 139.1

130 111.5 80.0 148.6



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

250000

200000

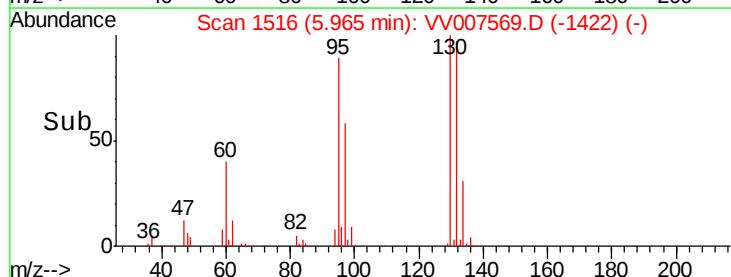
150000

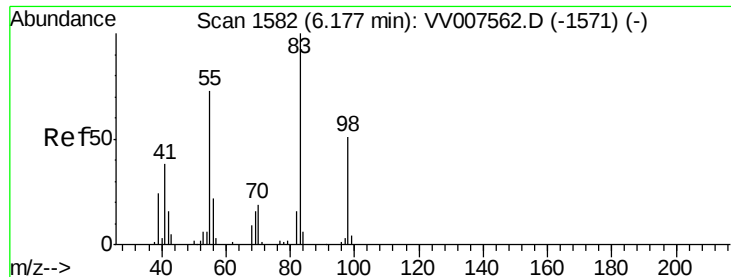
100000

50000

0

Time--> 5.90 6.00 6.10





#35

Methylcyclohexane

Concen: 0.858 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.05 min

Lab File: VV007569.D

Acq: 15 Sep 2018 17:06

Instrument :

MSVOA_W

ClientSampleId :

C0KS6

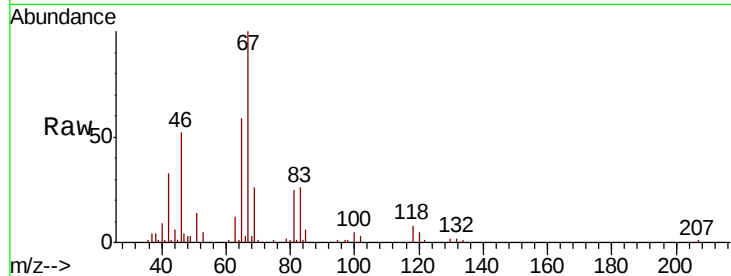
Tgt Ion: 83 Resp: 8750

Ion Ratio Lower Upper

83 100

55 0.5 55.0 82.4#

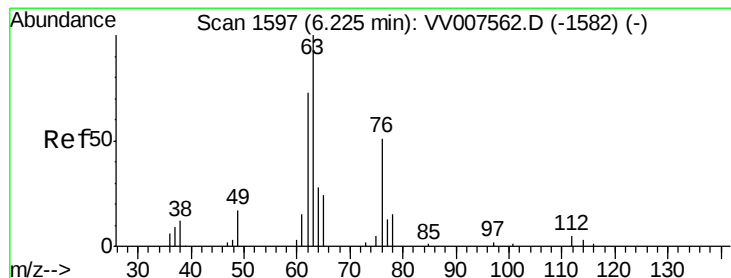
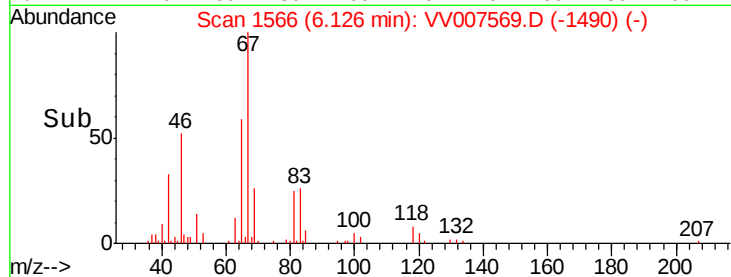
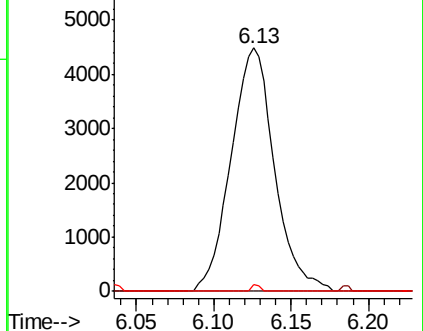
98 4.0 37.6 56.4#



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: 0.770 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.11 min

Lab File: VV007569.D

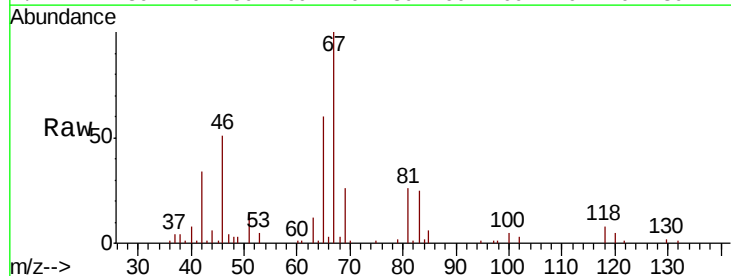
Acq: 15 Sep 2018 17:06

Tgt Ion: 63 Resp: 4084

Ion Ratio Lower Upper

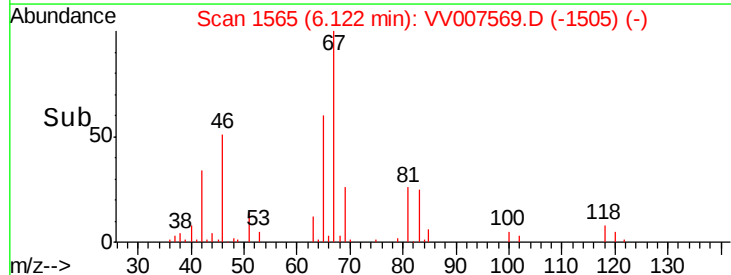
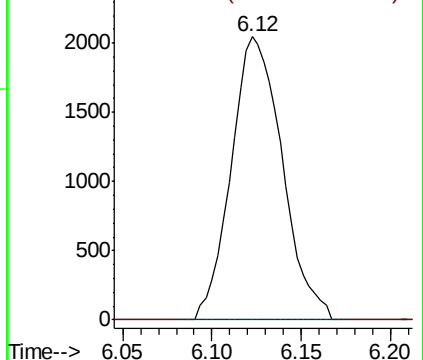
63 100

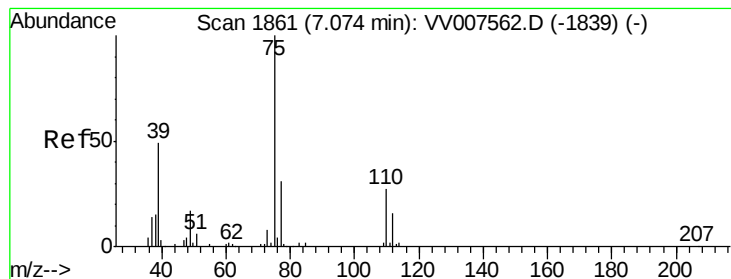
112 0.0 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.139 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV007569.D

Acq: 15 Sep 2018 17:06

Instrument :

MSVOA_W

ClientSampleId :

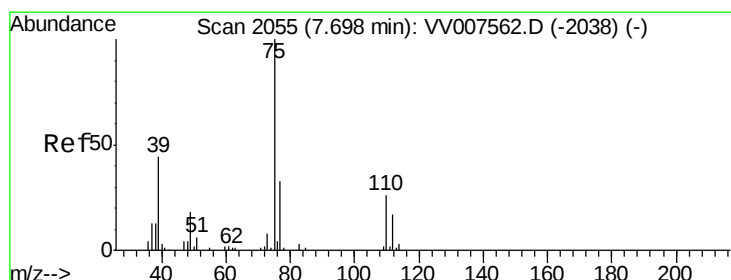
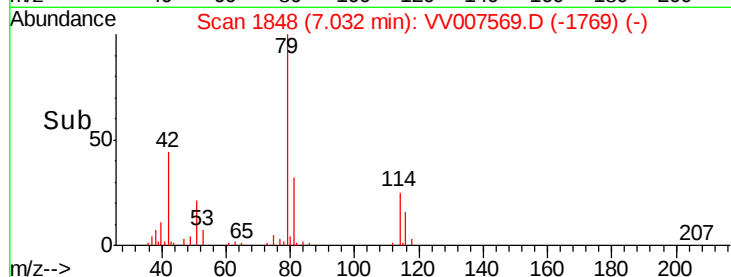
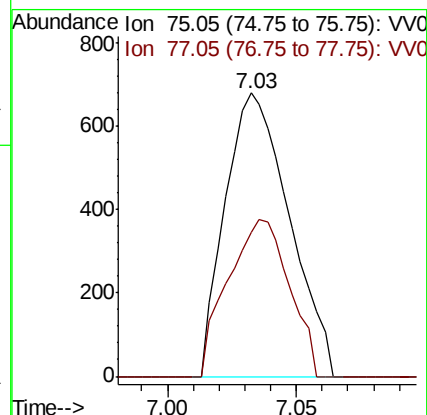
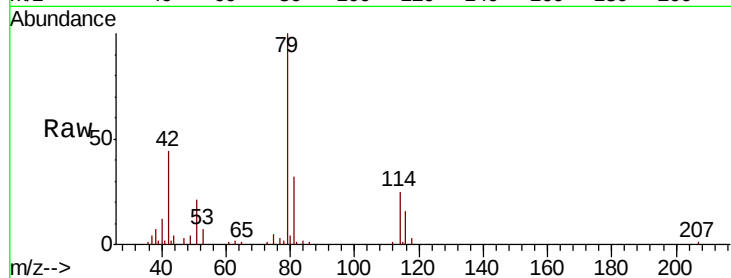
C0KS6

Tgt Ion: 75 Resp: 1173

Ion Ratio Lower Upper

75 100

77 50.8 22.0 41.0#



#44

trans-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV007569.D

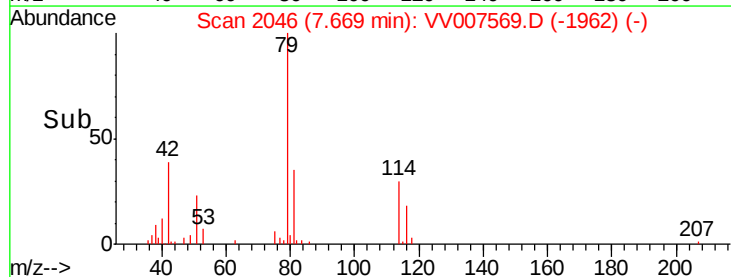
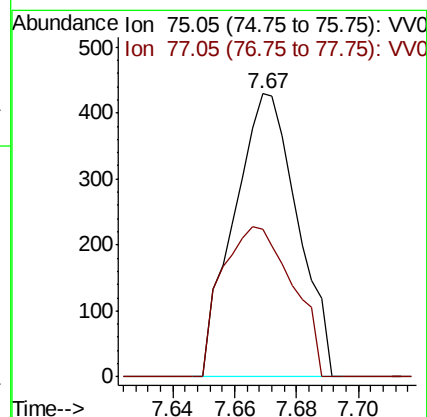
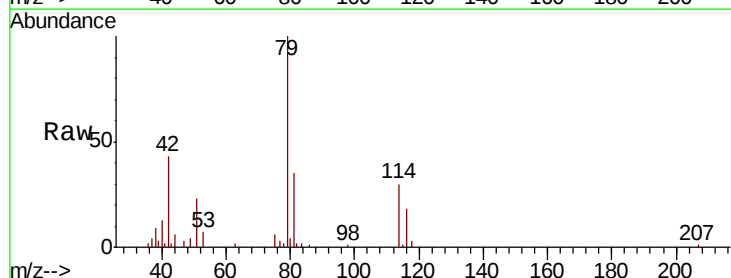
Acq: 15 Sep 2018 17:06

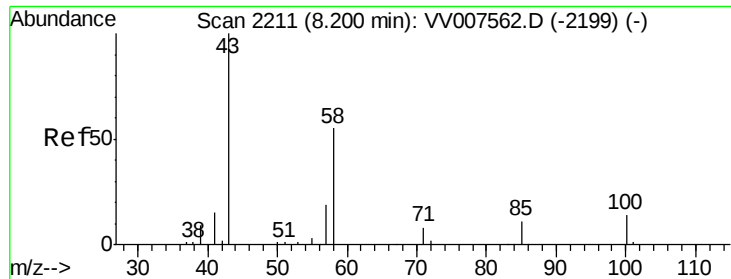
Tgt Ion: 75 Resp: 614

Ion Ratio Lower Upper

75 100

77 52.2 23.4 43.4#

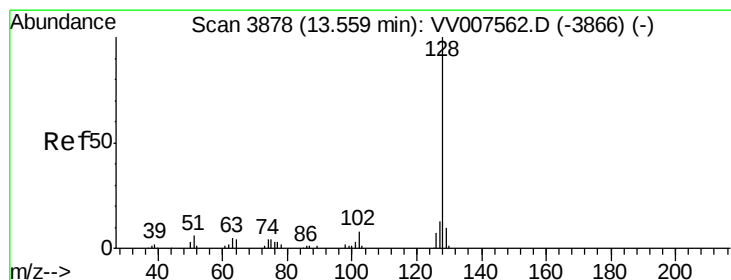
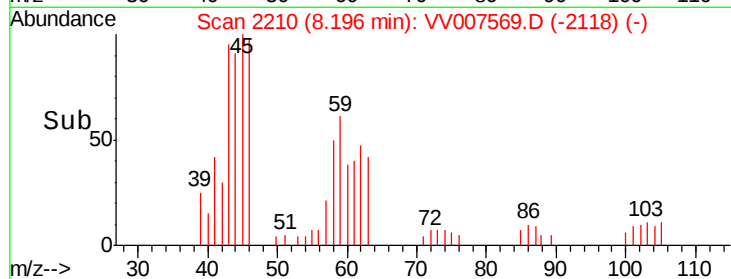
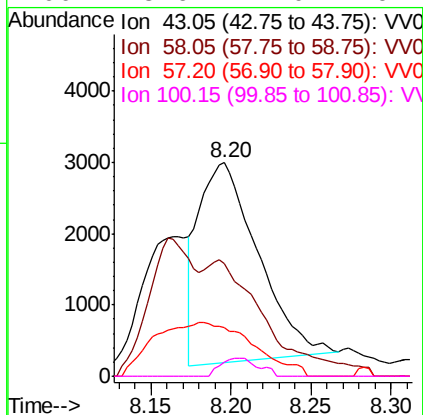
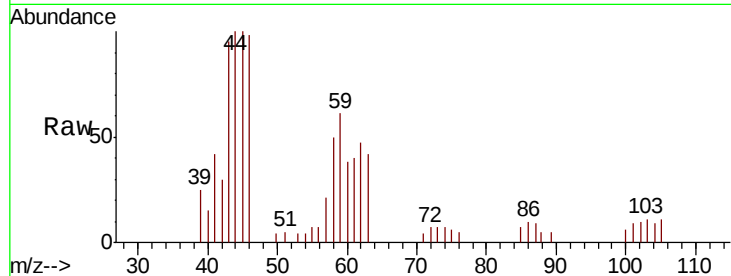




#48
2-Hexanone
Concen: 3.247 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VV007569.D
Acq: 15 Sep 2018 17:06

Instrument :
MSVOA_W
ClientSampleId :
C0KS6

Tgt Ion: 43 Resp: 7220
Ion Ratio Lower Upper
43 100
58 0.0 49.8 74.6#
57 44.9 18.2 27.4#
100 5.6 11.0 16.4#



#69
Naphthalene
Concen: 0.274 ug/L
RT: 13.57 min Scan# 3880
Delta R.T. 0.01 min
Lab File: VV007569.D
Acq: 15 Sep 2018 17:06

Tgt Ion: 128 Resp: 2534
Ion Ratio Lower Upper
128 100
129 10.2 8.5 12.7
127 13.0 10.5 15.7

