

Data File : VV008084.D
Acq On : 05 Oct 2018 01:36
Operator : SY/MD
Sample : J5246-18
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0J86

Quant Time: Oct 05 06:00:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 05 05:56:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	81257	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	78249	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	37944	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	16345	3.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.00%
7) Chloroethane-d5	1.59	69	16291	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.14	63	83523	8.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	169.80%#
20) 2-Butanone-d5	3.97	46	72464	55.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.62%
24) Chloroform-d	4.41	84	48082	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.09	65	25836	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.10	84	88709	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.12	67	29751	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.36	98	79867	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	7.67	79	9606	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.14	63	49991	49.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.34%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22885	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	35653	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

					Qvalue	
5) Vinyl chloride	1.32	62	626	0.096	ug/L #	11
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	579	0.096	ug/L #	13
12) 1,1-Dichloroethene	2.14	96	108091	20.125	ug/L #	77
13) Acetone	2.22	43	2207	2.312	ug/L	85
19) 1,1-Dichloroethane	3.23	63	33374	3.304	ug/L	99
21) 2-Butanone	4.05	43	1765	1.160	ug/L #	55
22) cis-1,2-Dichloroethene	3.97	96	34881	5.818	ug/L	99
25) Chloroform	4.43	83	2125	0.194	ug/L	82
29) 1,1,1-Trichloroethane	4.66	97	24636	2.618	ug/L	98
34) Trichloroethene	5.96	95	269534	42.011	ug/L	97
35) Methylcyclohexane	6.13	83	7227	0.751	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	3402	0.594	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	645	0.084	ug/L #	61
45) 1,1,2-Trichloroethane	7.89	97	448	0.108	ug/L	92
47) Tetrachloroethene	8.02	164	123359	20.750	ug/L	97
49) Dibromochloromethane	8.02	129	104029	22.060	ug/L #	12

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100418\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 05 05:56:33 2018
Response via : Initial Calibration

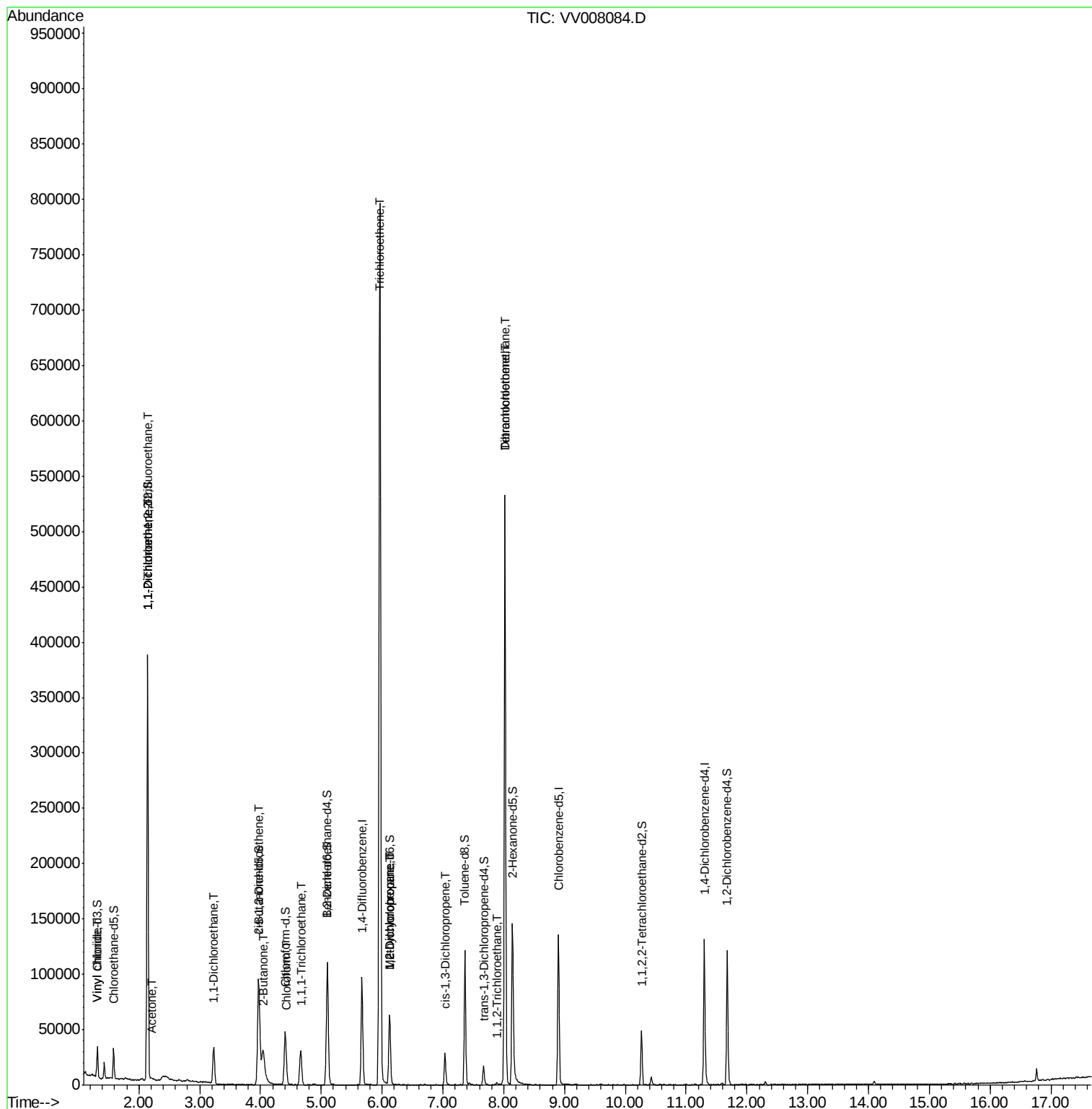
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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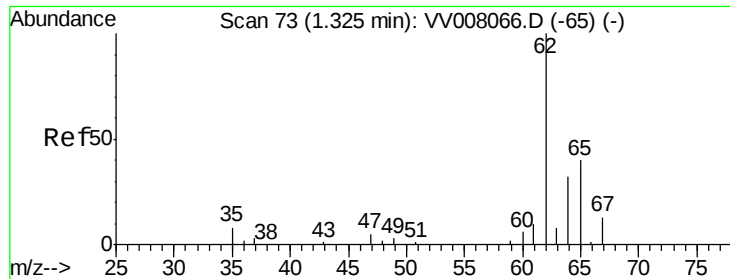
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 05 05:56:33 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.096 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008084.D

Acq: 05 Oct 2018 01:36

Instrument :

MSVOA_V

ClientSampleId :

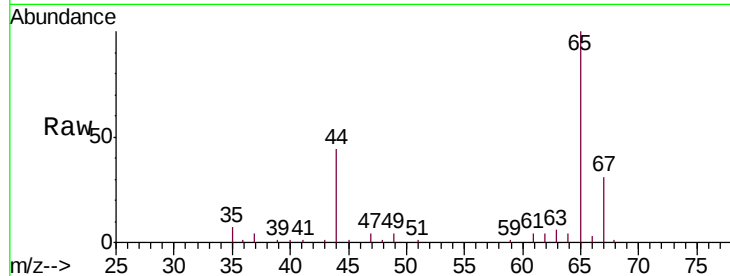
C0J86

Tgt Ion: 62 Resp: 626

Ion Ratio Lower Upper

62 100

64 85.7 24.0 44.6#



Abundance Ion 62.00 (61.70 to 62.70): VV008066.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008066.D (-65) (-)

1.32

600

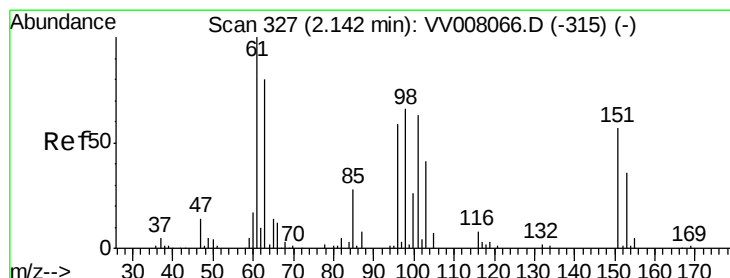
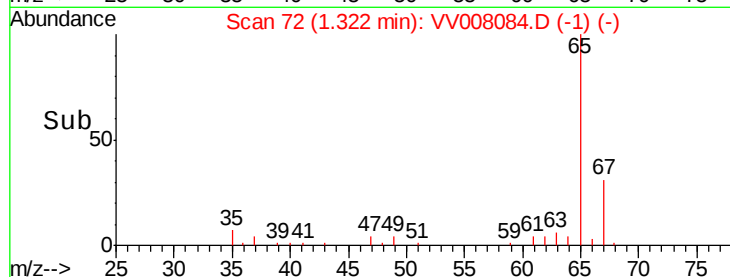
400

200

0

1.30 1.32 1.34

Time-->



#10

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

Concen: 0.096 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008084.D

Acq: 05 Oct 2018 01:36

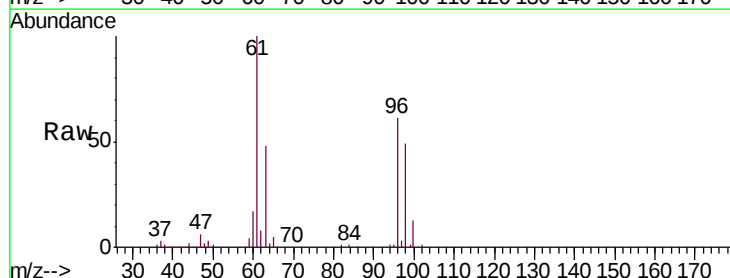
Tgt Ion: 101 Resp: 579

Ion Ratio Lower Upper

101 100

85 0.0 34.7 52.1#

151 0.0 72.2 108.2#



Abundance Ion 101.00 (100.70 to 101.70): VV008066.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV008066.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV008066.D (-315) (-)

2.14

500

400

300

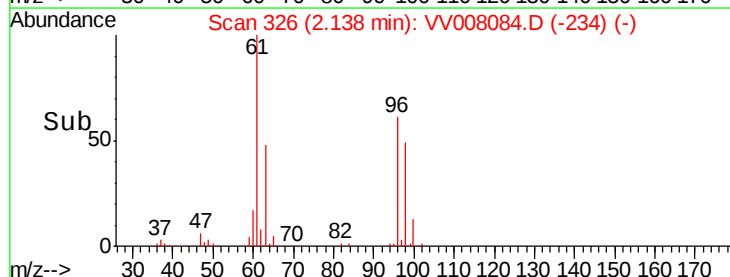
200

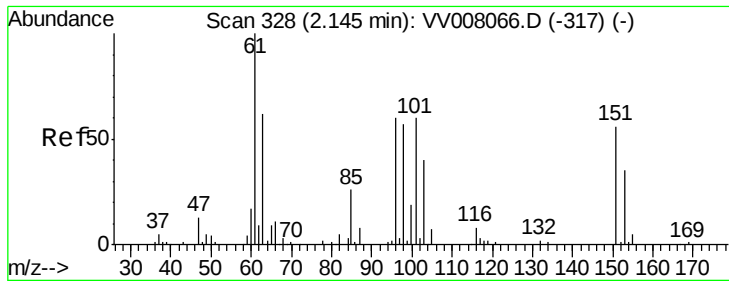
100

0

2.10 2.12 2.14 2.16

Time-->

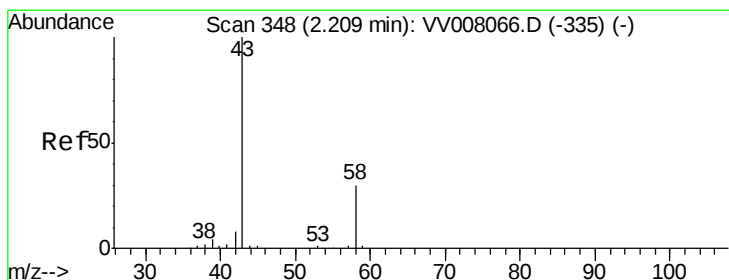
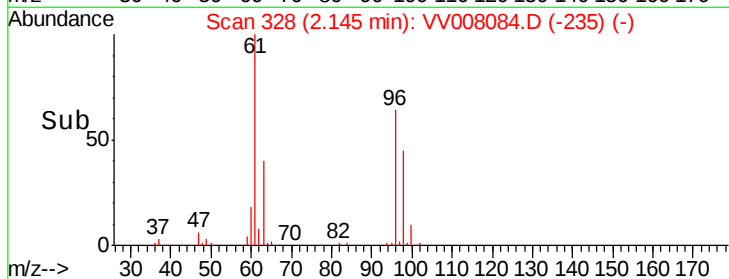
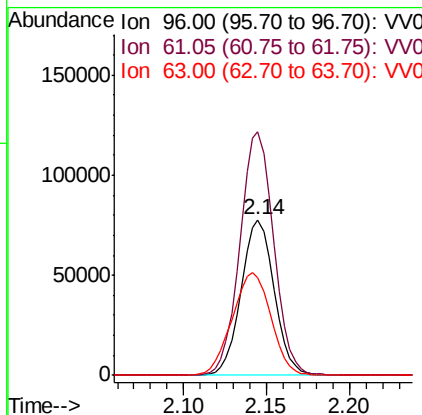
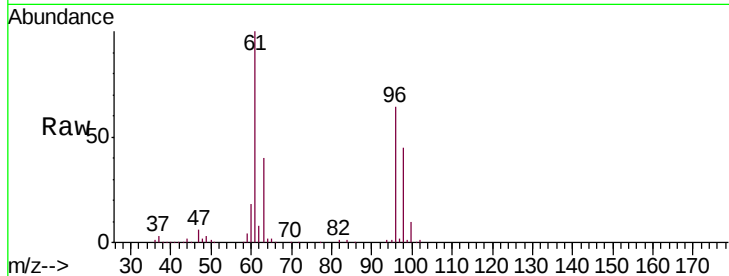




#12
 1,1-Dichloroethene
 Concen: 20.125 ug/L
 RT: 2.14 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: VV008084.D
 Acq: 05 Oct 2018 01:36

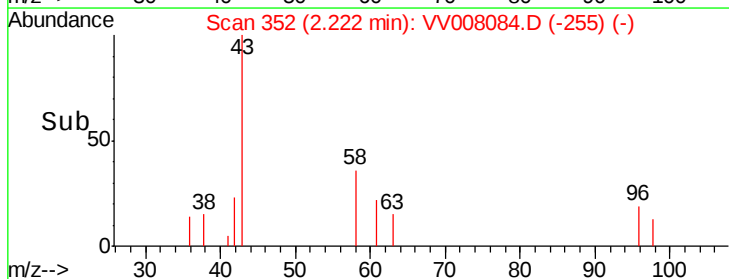
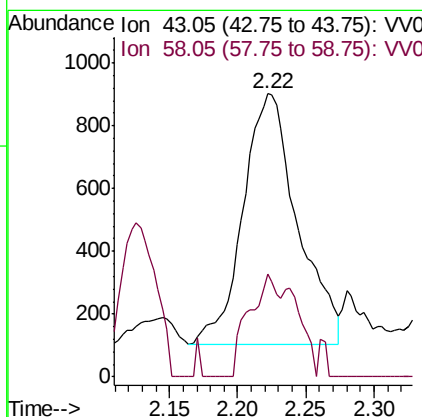
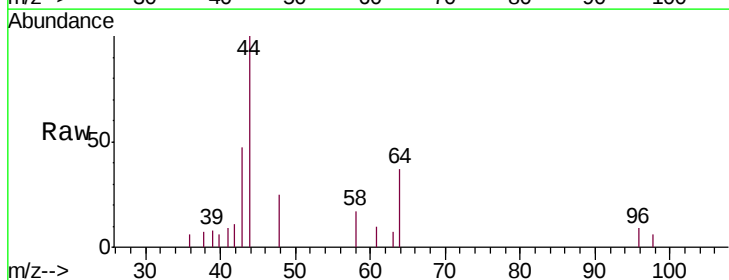
Instrument :
 MSVOA_V
 ClientSampled :
 C0J86

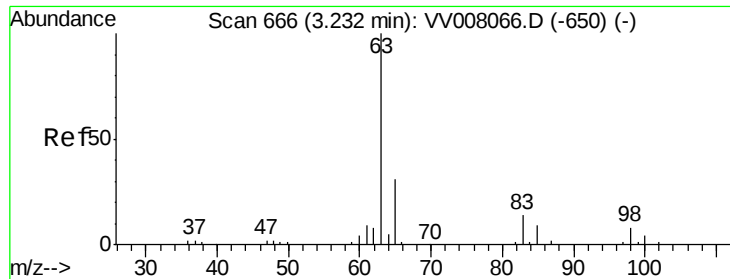
Tgt Ion: 96 Resp: 108091
 Ion Ratio Lower Upper
 96 100
 61 156.7 114.1 211.9
 63 62.5 81.5 151.3#



#13
 Acetone
 Concen: 2.312 ug/L
 RT: 2.22 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VV008084.D
 Acq: 05 Oct 2018 01:36

Tgt Ion: 43 Resp: 2207
 Ion Ratio Lower Upper
 43 100
 58 22.7 0.0 62.0

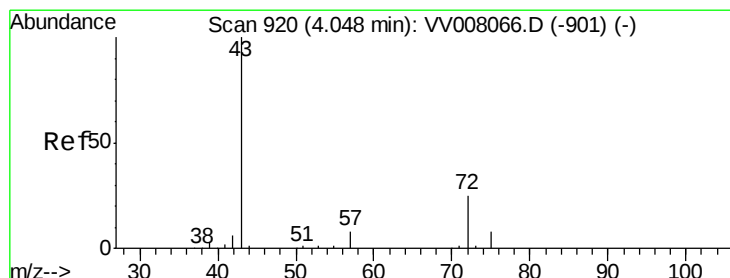
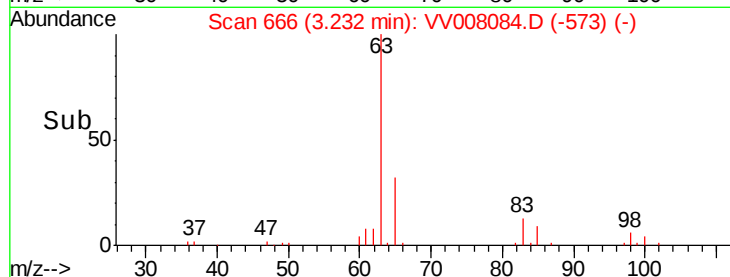
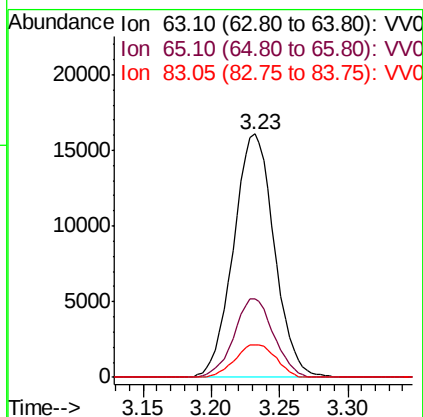
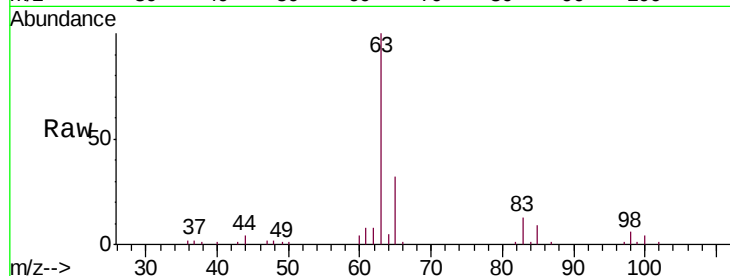




#19
 1,1-Dichloroethane
 Concen: 3.304 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008084.D
 Acq: 05 Oct 2018 01:36

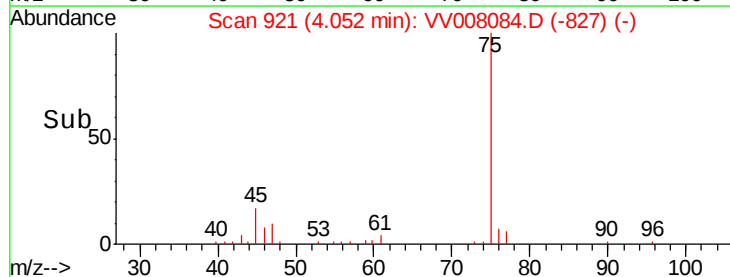
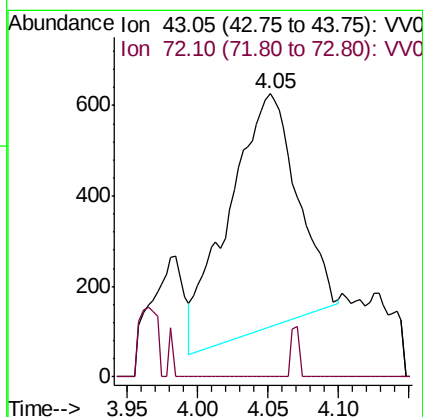
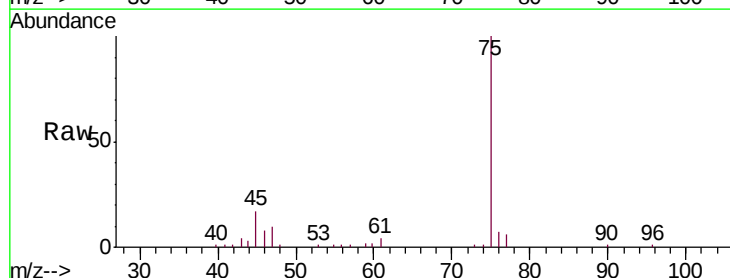
Instrument :
 MSVOA_V
 ClientSampleId :
 C0J86

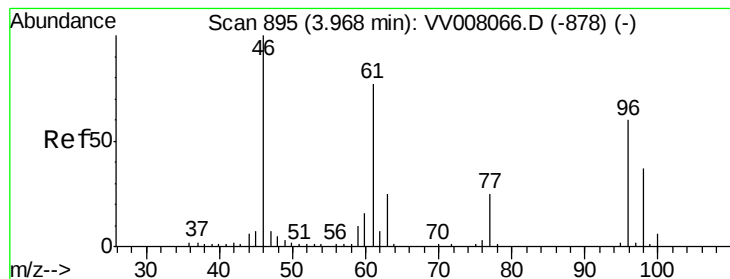
Tgt Ion: 63 Resp: 33374
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.3 41.5
 83 13.3 9.8 18.2



#21
 2-Butanone
 Concen: 1.160 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VV008084.D
 Acq: 05 Oct 2018 01:36

Tgt Ion: 43 Resp: 1765
 Ion Ratio Lower Upper
 43 100
 72 2.4 12.5 37.5#



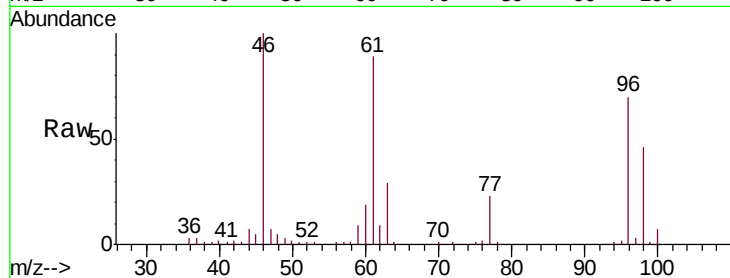


#22

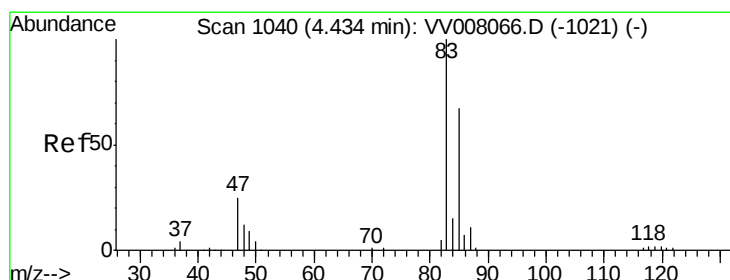
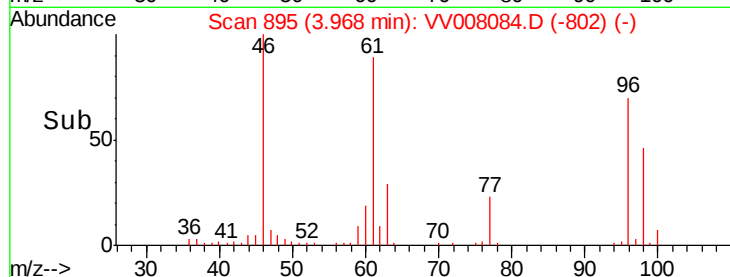
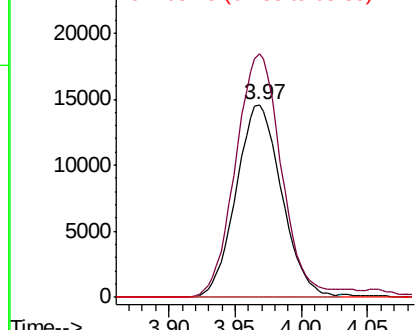
cis-1,2-Dichloroethene
 Concen: 5.818 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: VV008084.D
 Acq: 05 Oct 2018 01:36

Instrument :
 MSVOA_V
 ClientSampleId :
 C0J86

Tgt Ion: 96 Resp: 34881
 Ion Ratio Lower Upper
 96 100
 61 126.4 89.5 166.1
 68 0.0 0.0 0.0



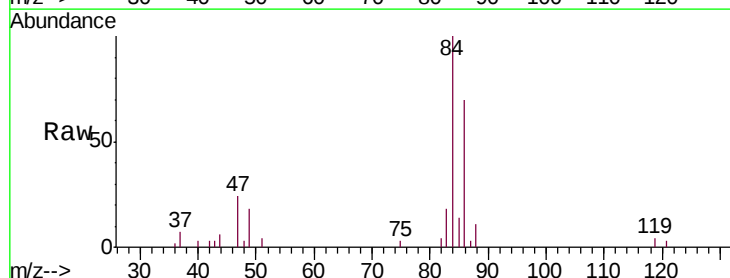
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



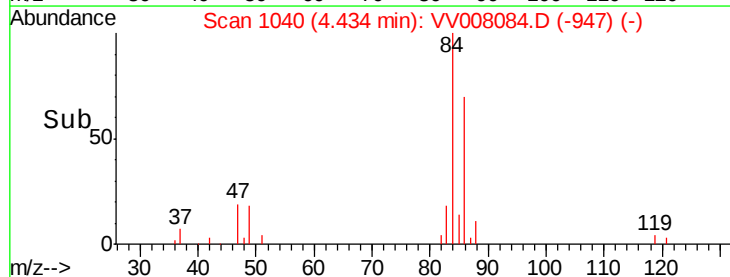
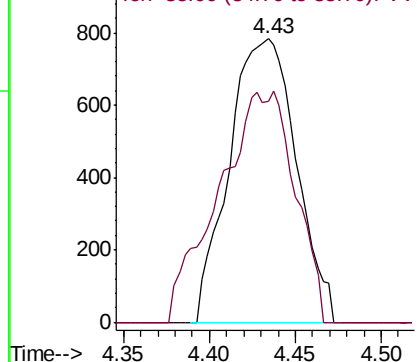
#25

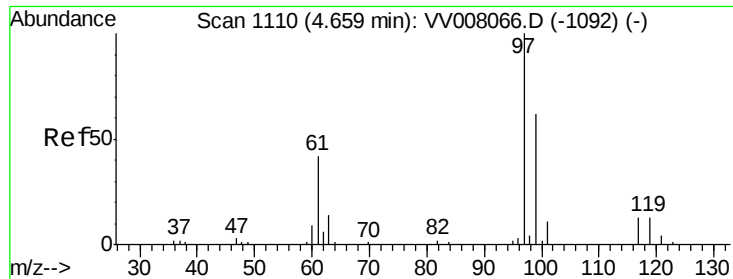
Chloroform
 Concen: 0.194 ug/L
 RT: 4.43 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VV008084.D
 Acq: 05 Oct 2018 01:36

Tgt Ion: 83 Resp: 2125
 Ion Ratio Lower Upper
 83 100
 85 78.2 44.8 83.2



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0

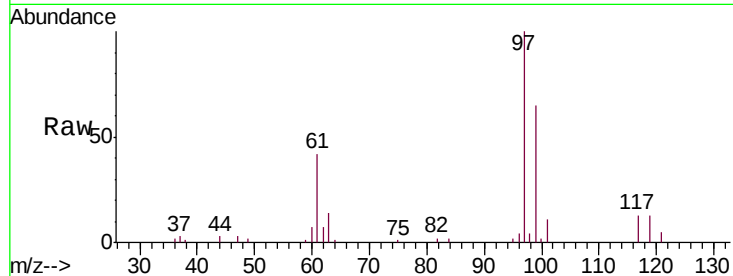




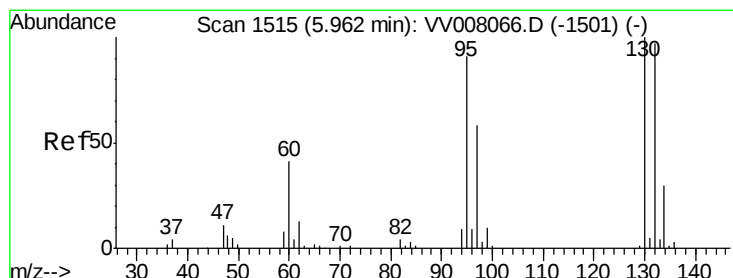
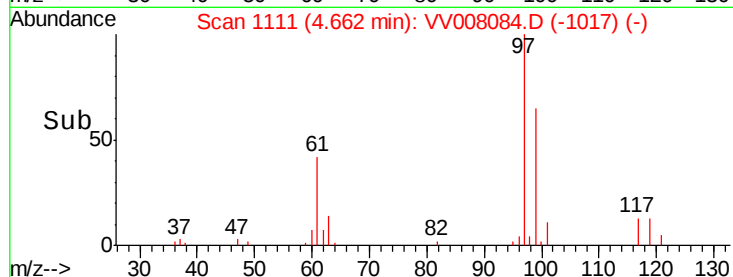
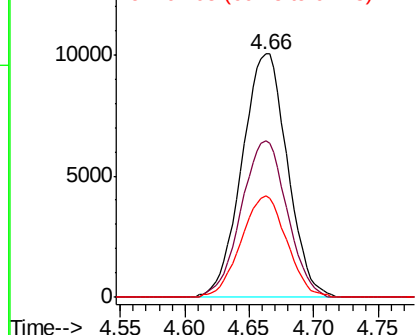
#29
1,1,1-Trichloroethane
Concen: 2.618 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV008084.D
Acq: 05 Oct 2018 01:36

Instrument :
MSVOA_V
ClientSampled :
C0J86

Tgt Ion: 97 Resp: 24636
Ion Ratio Lower Upper
97 100
99 64.7 51.2 76.8
61 41.7 34.6 52.0

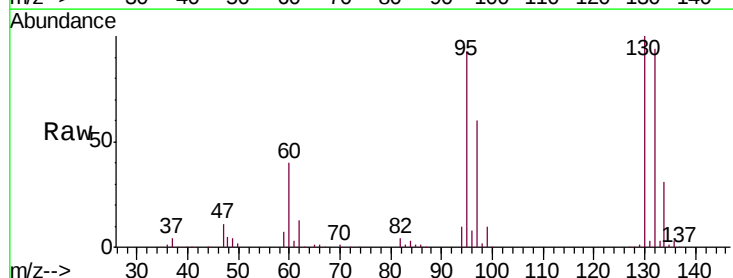


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

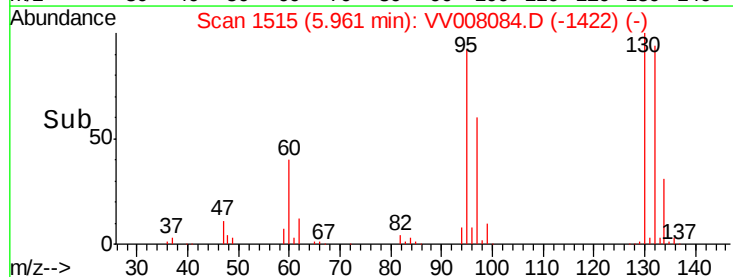
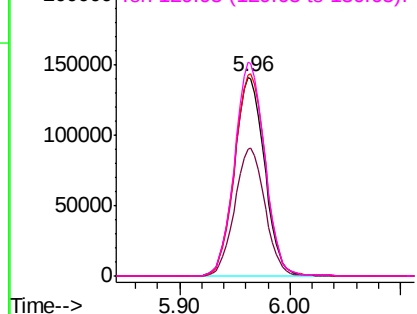


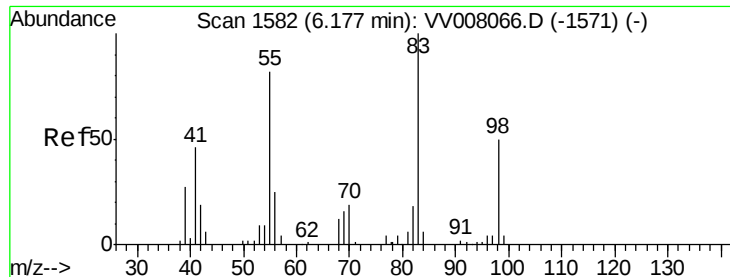
#34
Trichloroethene
Concen: 42.011 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. -0.00 min
Lab File: VV008084.D
Acq: 05 Oct 2018 01:36

Tgt Ion: 95 Resp: 269534
Ion Ratio Lower Upper
95 100
97 64.0 43.6 81.0
132 101.1 69.9 129.9
130 107.5 71.7 133.3



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): VV0
Ion 129.95 (129.65 to 130.65): VV0

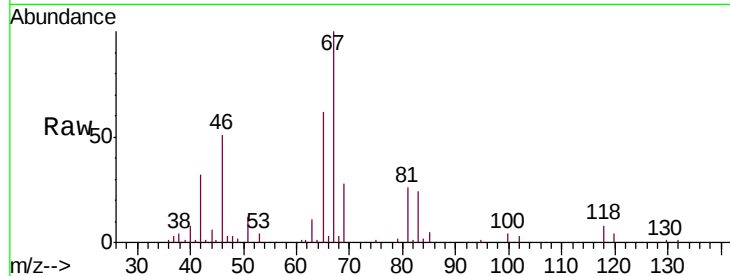




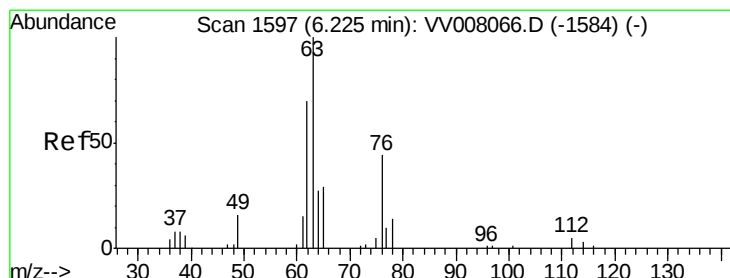
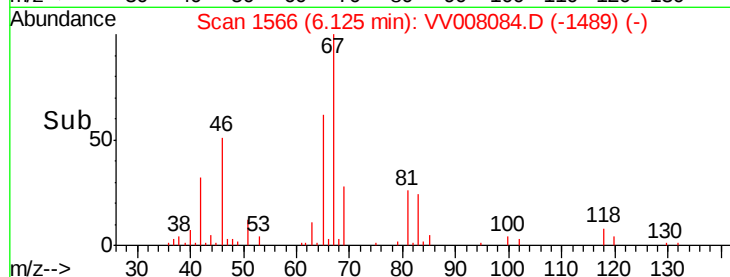
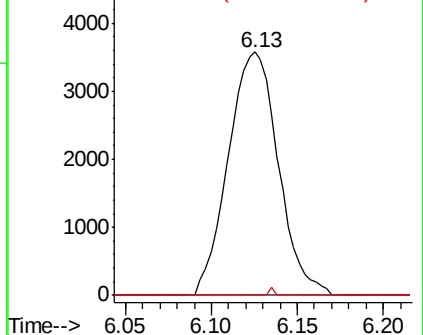
#35
Methylcyclohexane
Concen: 0.751 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.05 min
Lab File: VV008084.D
Acq: 05 Oct 2018 01:36

Instrument :
MSVOA_V
ClientSampleId :
C0J86

Tgt Ion: 83 Resp: 7227
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.2#
98 0.0 38.0 57.0#

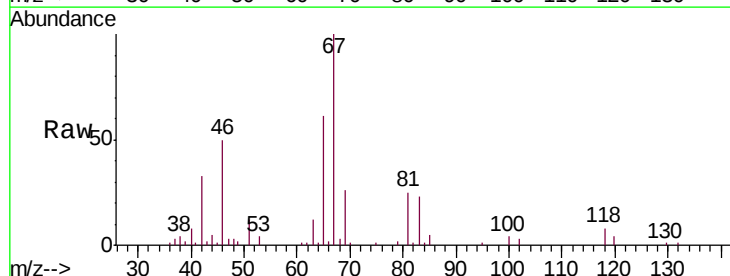


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

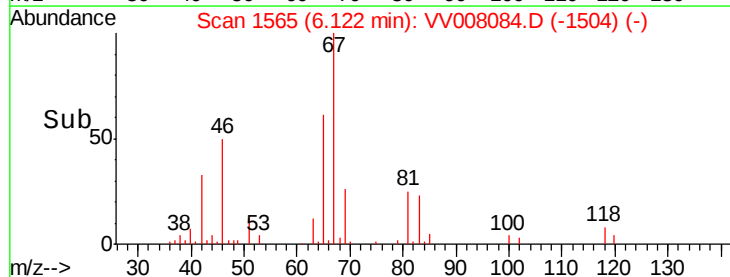
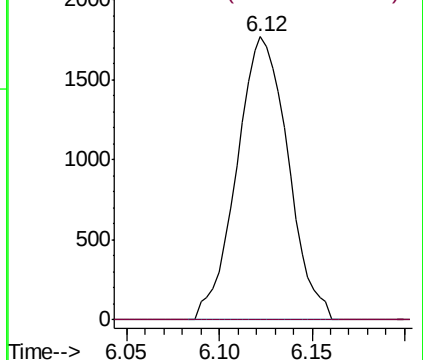


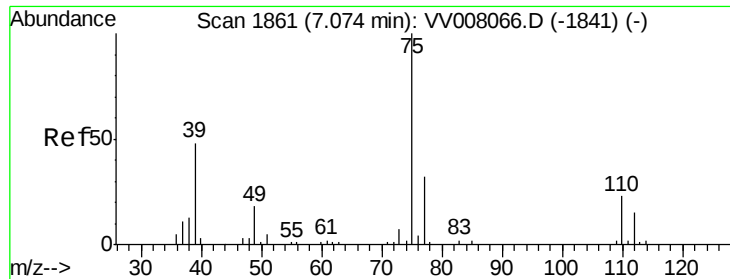
#37
1,2-Dichloropropane
Concen: 0.594 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV008084.D
Acq: 05 Oct 2018 01:36

Tgt Ion: 63 Resp: 3402
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



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: 0.084 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV008084.D

Acq: 05 Oct 2018 01:36

Instrument :

MSVOA_V

ClientSampleId :

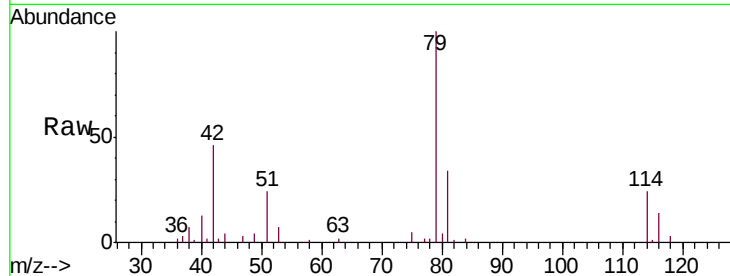
C0J86

Tgt Ion: 75 Resp: 645

Ion Ratio Lower Upper

75 100

77 54.7 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.03

400

300

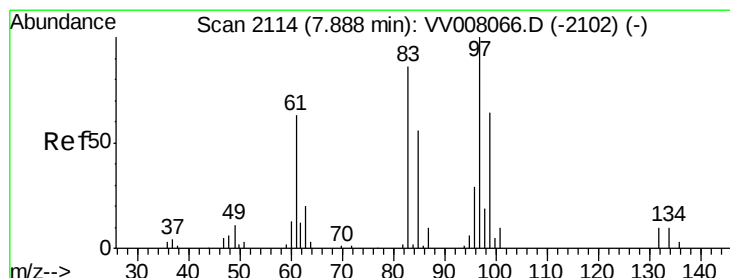
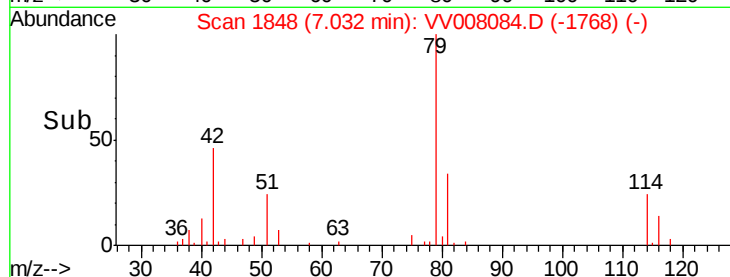
200

100

0

7.00 7.02 7.04 7.06

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.108 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VV008084.D

Acq: 05 Oct 2018 01:36

Tgt Ion: 97 Resp: 448

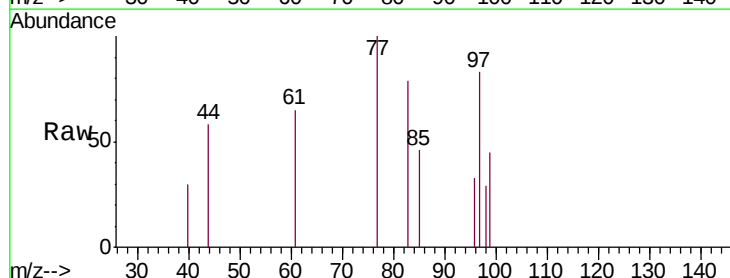
Ion Ratio Lower Upper

97 100

99 54.1 43.5 80.9

83 95.3 59.7 110.9

85 56.3 39.5 73.3



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

500

400

300

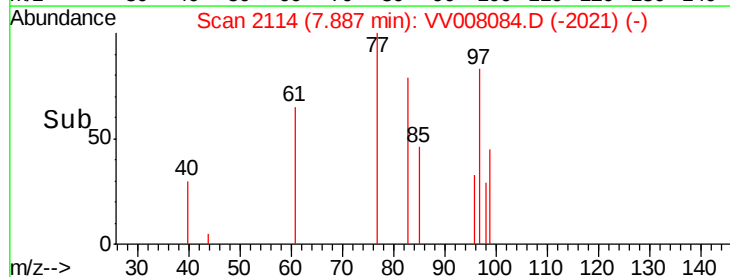
200

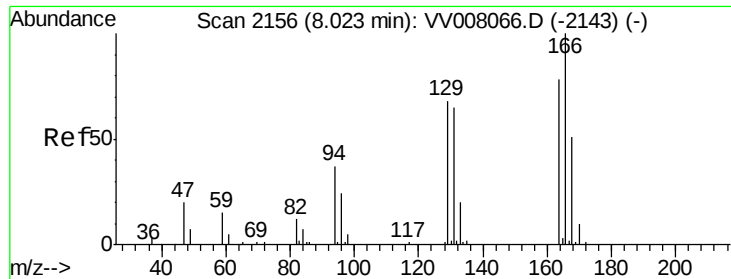
100

0

7.86 7.88 7.90 7.92

Time-->

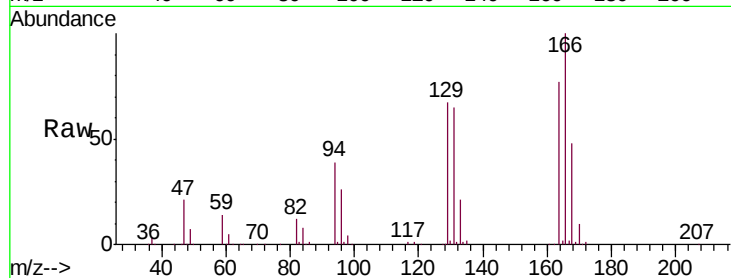




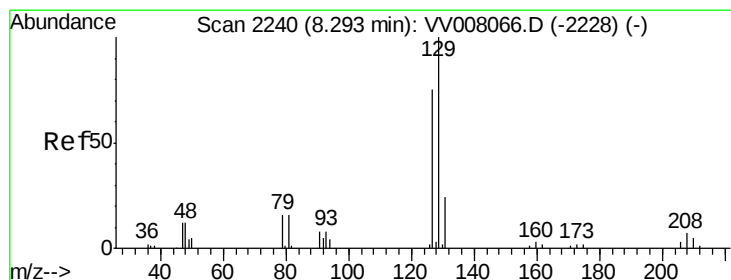
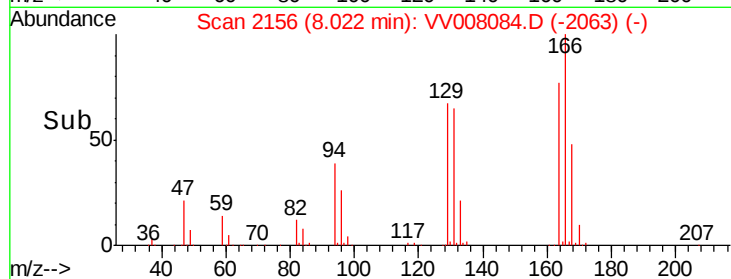
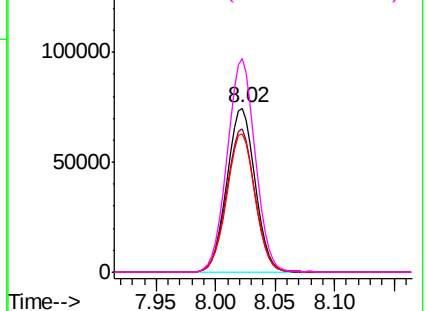
#47
Tetrachloroethene
Concen: 20.750 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. -0.00 min
Lab File: VV008084.D
Acq: 05 Oct 2018 01:36

Instrument :
MSVOA_V
ClientSampleId :
C0J86

Tgt Ion	Ratio	Lower	Upper
164	100		
129	87.2	59.2	110.0
131	84.4	57.1	106.1
166	130.2	88.6	164.6

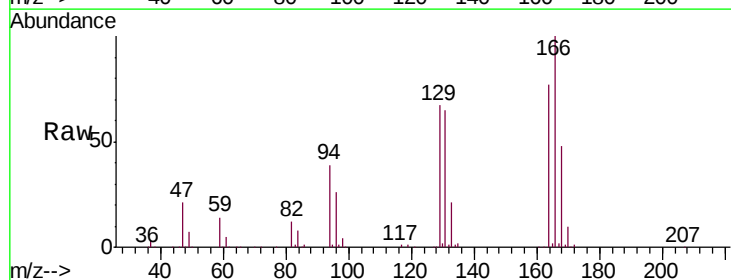


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V



#49
Dibromochloromethane
Concen: 22.060 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. -0.27 min
Lab File: VV008084.D
Acq: 05 Oct 2018 01:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.2	53.1	98.5#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

