

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082018\
 Data File : VV007092.D
 Acq On : 21 Aug 2018 00:26
 Operator : SY/MD
 Sample : J4515-03
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0326

Quant Time: Aug 21 05:27:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 21 05:25:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	222730	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	216999	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	77346	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71843	5.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.00%
7) Chloroethane-d5	1.58	69	69487	5.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.00%
11) 1,1-Dichloroethene-d2	2.14	63	1318668	48.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	977.40%#
20) 2-Butanone-d5	3.97	46	229692	55.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.10%
24) Chloroform-d	4.41	84	164064	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
26) 1,2-Dichloroethane-d4	5.09	65	86991	5.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.20%
32) Benzene-d6	5.10	84	315095	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.00%
36) 1,2-Dichloropropane-d6	6.12	67	104686	5.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.80%
41) Toluene-d8	7.37	98	209012	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	7.67	79	19392	2.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	58.40%
46) 2-Hexanone-d5	8.15	63	78877	29.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	58.18%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	81279	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	75851	5.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.77	101	6936	0.253	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	6668	0.405	ug/L #	29
12) 1,1-Dichloroethene	2.14	96	2466338	154.204	ug/L #	68
13) Acetone	2.21	43	12909	6.063	ug/L	98
15) Methyl Acetate	2.47	43	2748	0.459	ug/L	96
19) 1,1-Dichloroethane	3.23	63	313486	10.139	ug/L	98
21) 2-Butanone	4.08	43	1292	0.280	ug/L	87
25) Chloroform	4.43	83	6816	0.201	ug/L	92
27) 1,2-Dichloroethane	5.19	62	4397	0.208	ug/L #	93
29) 1,1,1-Trichloroethane	4.66	97	13519866	467.256	ug/L	98
31) Carbon tetrachloride	4.66	117	1905973	78.547	ug/L	99
34) Trichloroethene	5.96	95	20554	1.140	ug/L	94
35) Methylcyclohexane	6.12	83	25066	0.866	ug/L #	16
37) 1,2-Dichloropropane	6.12	63	11224	0.545	ug/L #	88
47) Tetrachloroethene	8.02	164	3121	0.214	ug/L	81
48) 2-Hexanone	8.20	43	38324	4.888	ug/L	99
49) Dibromochloromethane	8.02	129	2851	0.203	ug/L #	11

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 21 05:25:12 2018
Response via : Initial Calibration

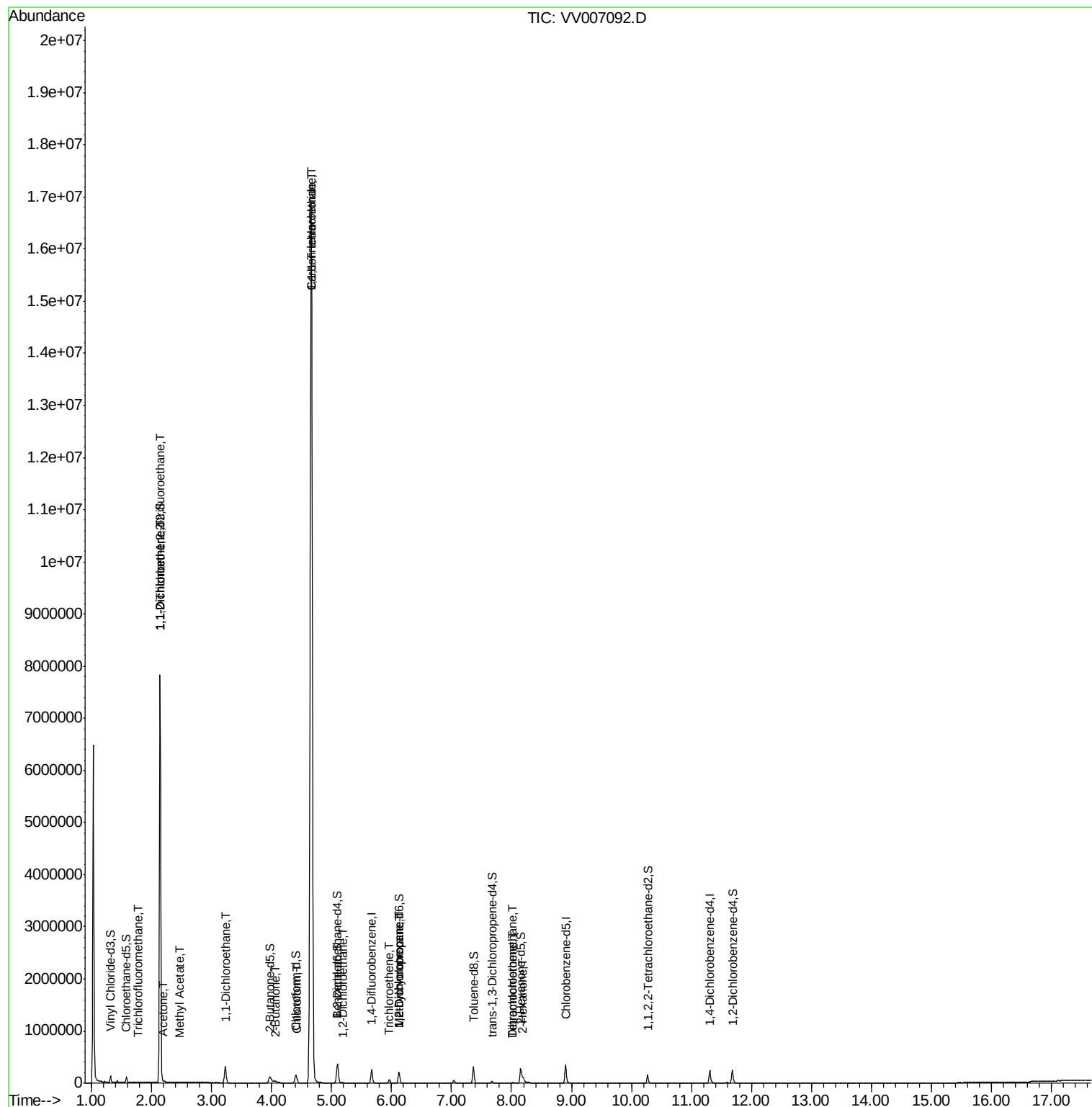
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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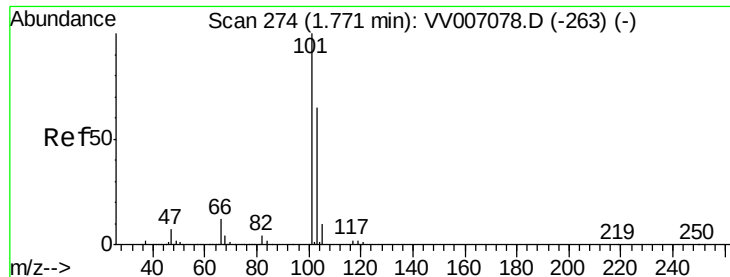
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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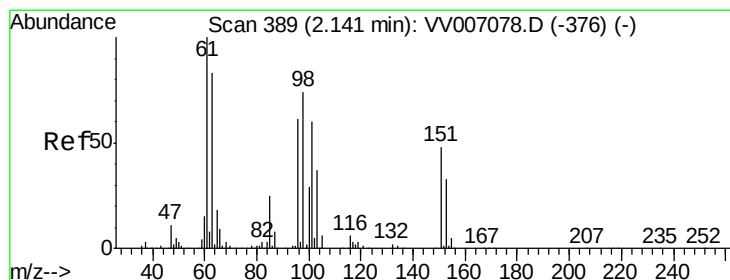
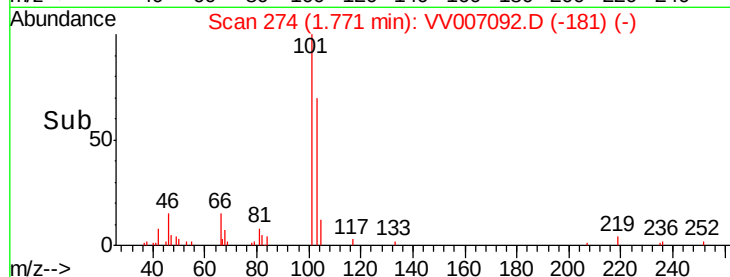
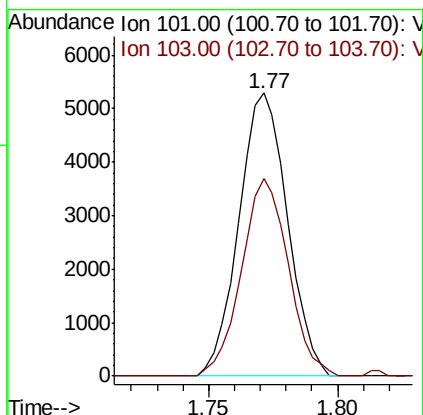
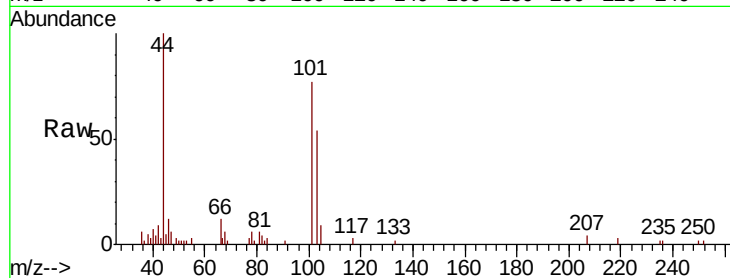


#9

Trichlorofluoromethane
Concen: 0.253 ug/L
RT: 1.77 min Scan# 274
Delta R.T. -0.00 min
Lab File: VV007092.D
Acq: 21 Aug 2018 00:26

Instrument :
MSVOA_V
ClientSampleId :
C0326

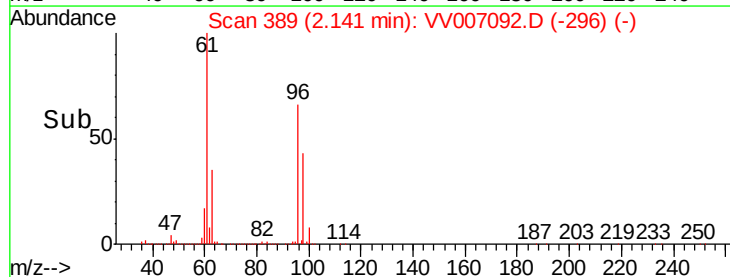
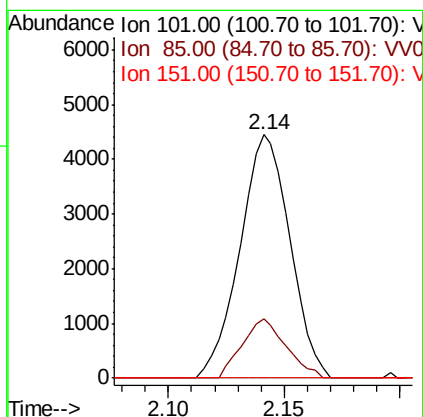
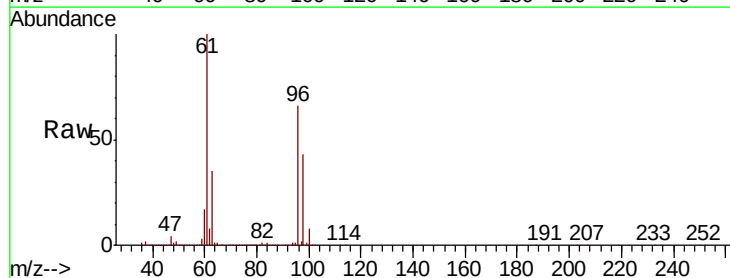
Tot Ion:101 Resp: 6936
Ion Ratio Lower Upper
101 100
103 67.3 52.7 79.1

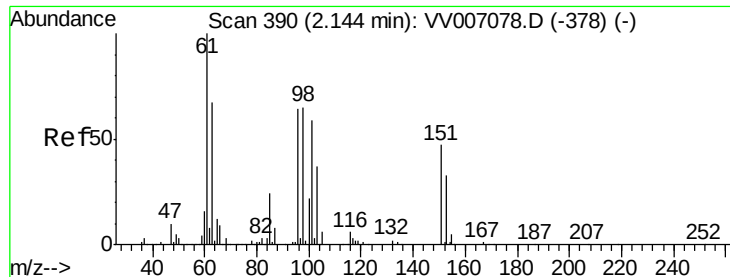


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.405 ug/L
RT: 2.14 min Scan# 389
Delta R.T. -0.00 min
Lab File: VV007092.D
Acq: 21 Aug 2018 00:26

Tgt Ion:101 Resp: 6668
Ion Ratio Lower Upper
101 100
85 21.4 33.9 50.9#
151 0.0 64.1 96.1#



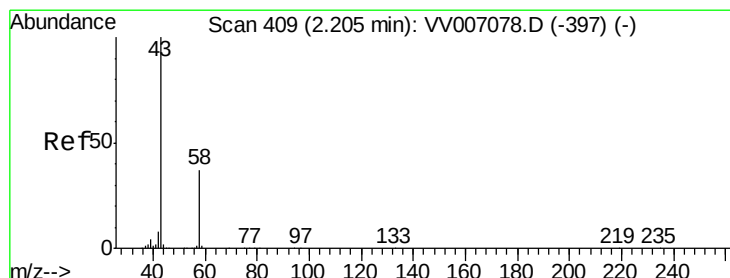
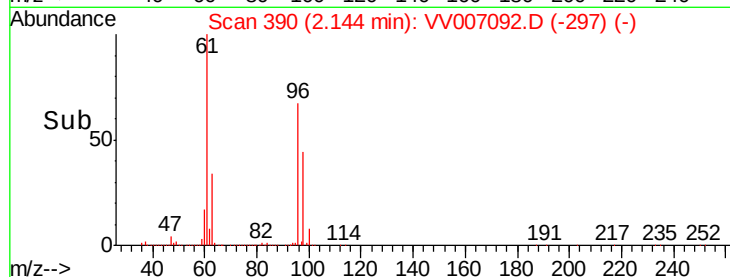
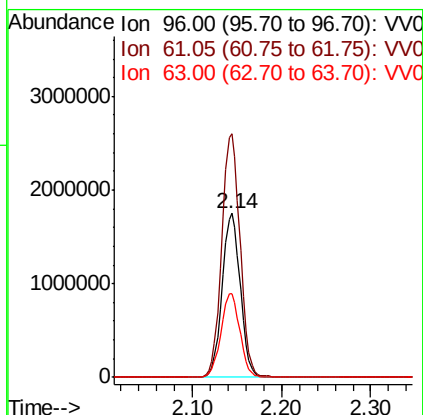
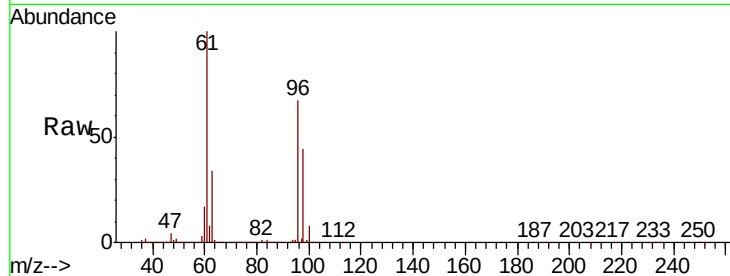


#12
 1,1-Dichloroethene
 Concen: 154.204 ug/L
 RT: 2.14 min Scan# 390
 Delta R.T. -0.00 min
 Lab File: VV007092.D
 Acq: 21 Aug 2018 00:26

Instrument :
 MSVOA_V
 ClientSampleId :
 C0326

Tot Ion: 96 Resp: 2466338

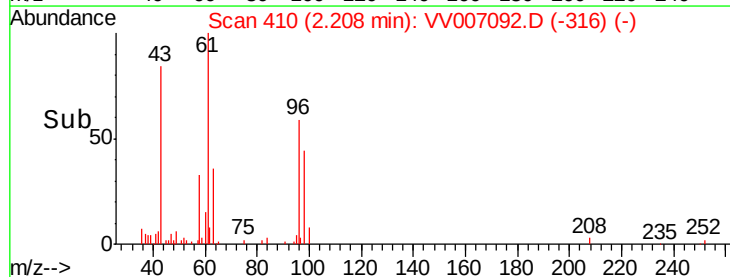
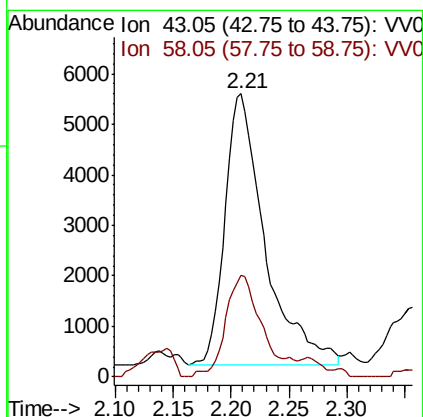
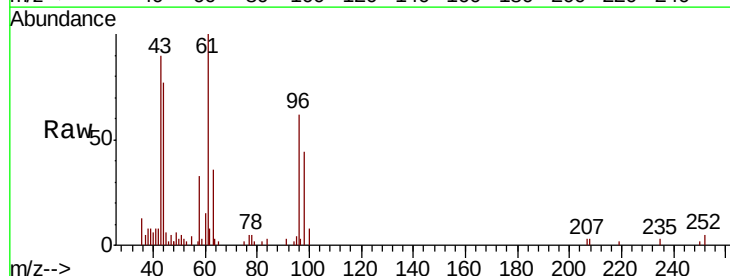
Ion	Ratio	Lower	Upper
96	100		
61	148.6	111.6	207.4
63	51.1	84.9	157.7#

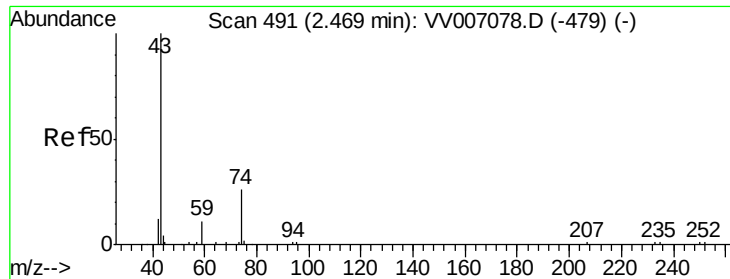


#13
 Acetone
 Concen: 6.063 ug/L
 RT: 2.21 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: VV007092.D
 Acq: 21 Aug 2018 00:26

Tgt Ion: 43 Resp: 12909

Ion	Ratio	Lower	Upper
43	100		
58	34.6	0.0	71.4

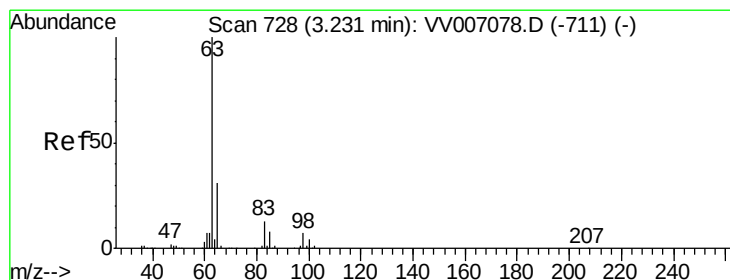
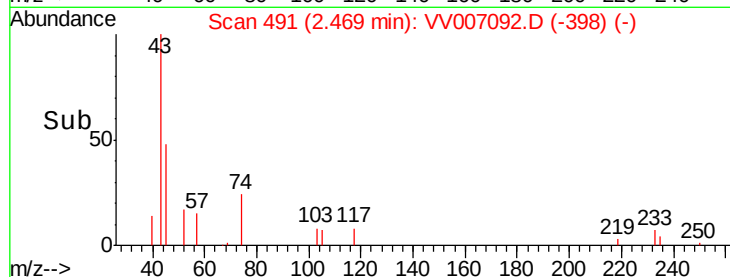
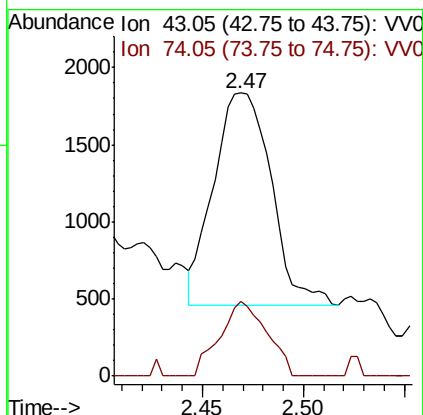
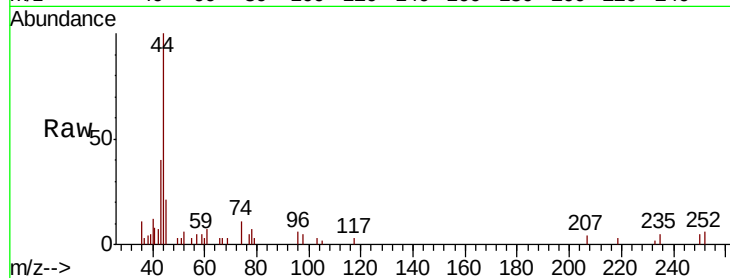




#15
Methvl Acetate
Concen: 0.459 ug/L
RT: 2.47 min Scan# 491
Delta R.T. -0.00 min
Lab File: VV007092.D
Acq: 21 Aug 2018 00:26

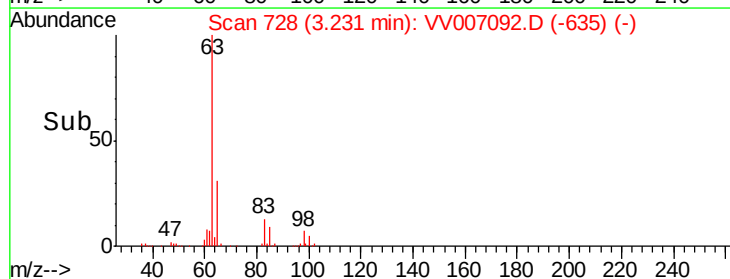
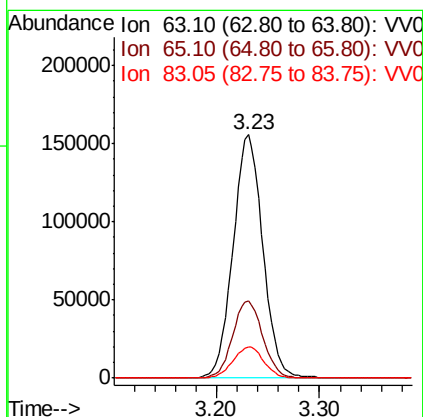
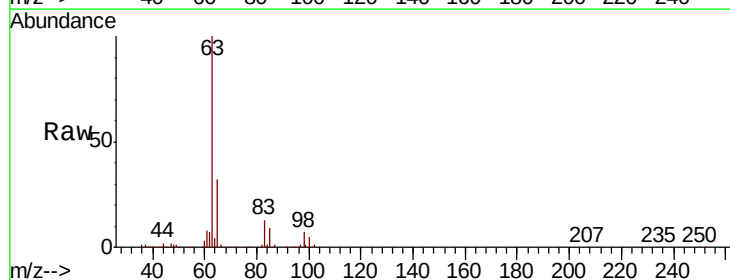
Instrument :
MSVOA_V
ClientSampled :
C0326

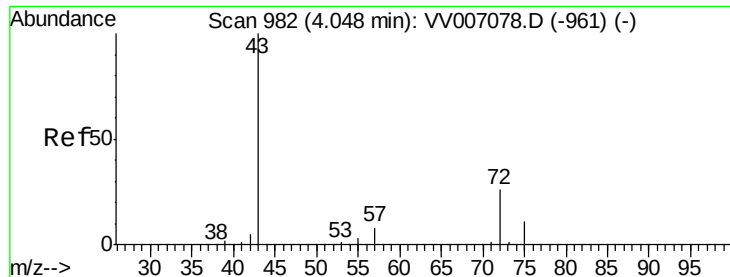
Tot Ion: 43 Resp: 2748
Ion Ratio Lower Upper
43 100
74 28.5 24.6 37.0



#19
1,1-Dichloroethane
Concen: 10.139 ug/L
RT: 3.23 min Scan# 728
Delta R.T. -0.00 min
Lab File: VV007092.D
Acq: 21 Aug 2018 00:26

Tgt Ion: 63 Resp: 313486
Ion Ratio Lower Upper
63 100
65 31.6 21.7 40.3
83 12.7 10.0 18.6





#21

2-Butanone

Concen: 0.280 ug/L

RT: 4.08 min Scan# 992

Delta R.T. 0.03 min

Lab File: VV007092.D

Acq: 21 Aug 2018 00:26

Instrument :

MSVOA_V

ClientSampleId :

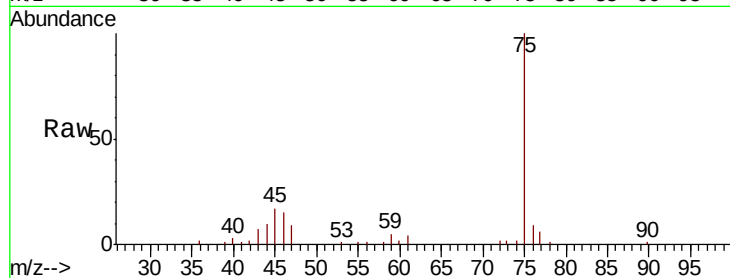
C0326

Tot Ion: 43 Resp: 1292

Ion Ratio Lower Upper

43 100

72 18.3 12.4 37.2



Abundance Ion 43.05 (42.75 to 43.75): VV007092.D (-889) (-)

Ion 72.10 (71.80 to 72.80): VV007092.D (-889) (-)

1500

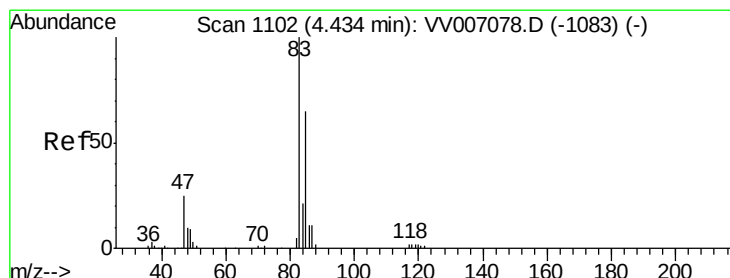
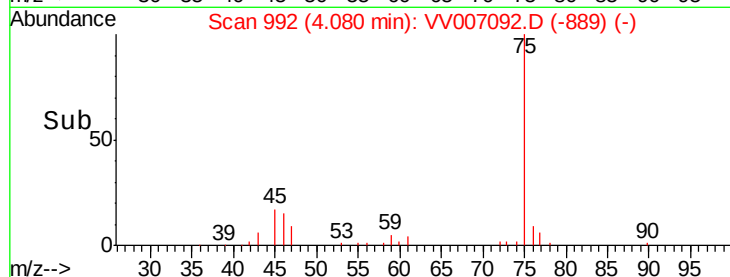
1000

500

0

4.05 4.10 4.15

Time-->



#25

Chloroform

Concen: 0.201 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV007092.D

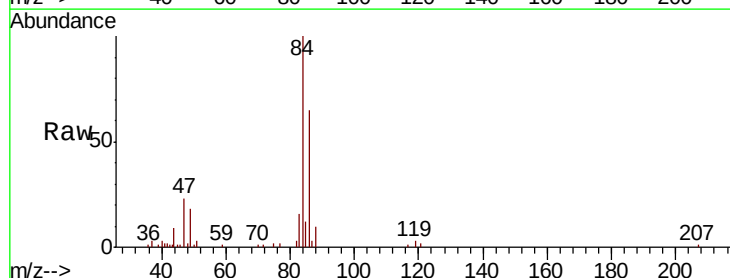
Acq: 21 Aug 2018 00:26

Tgt Ion: 83 Resp: 6816

Ion Ratio Lower Upper

83 100

85 70.0 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VV007092.D (-1009) (-)

Ion 85.00 (84.70 to 85.70): VV007092.D (-1009) (-)

3000

2500

2000

1500

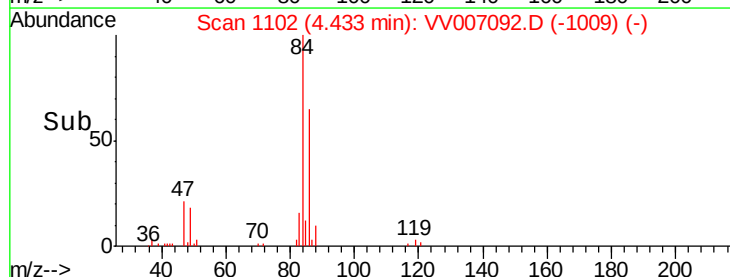
1000

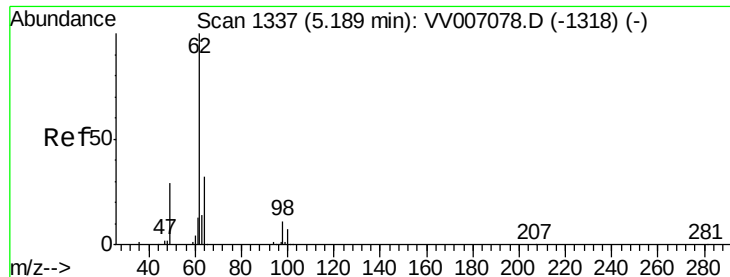
500

0

4.35 4.40 4.45 4.50

Time-->





#27

1,2-Dichloroethane

Concen: 0.208 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VV007092.D

Acq: 21 Aug 2018 00:26

Instrument :

MSVOA_V

ClientSampleId :

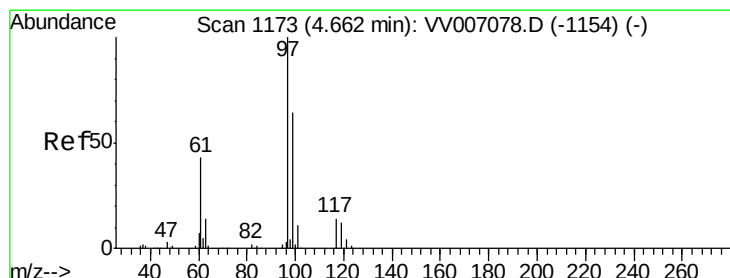
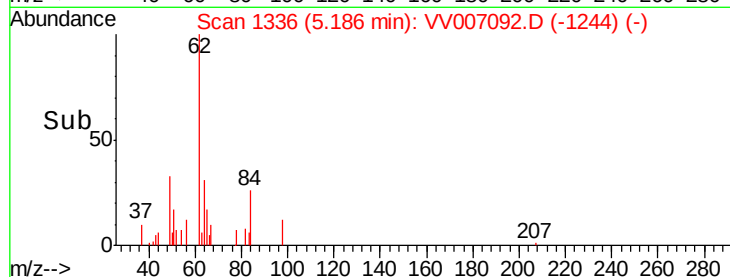
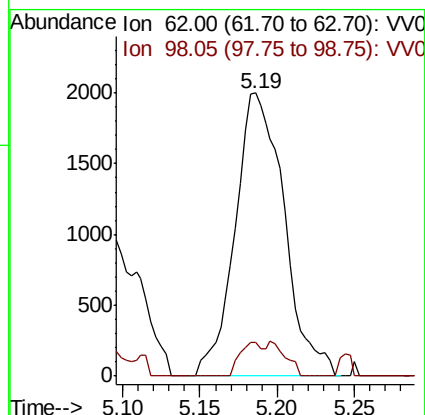
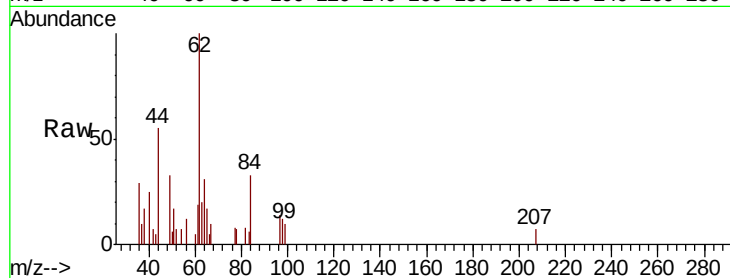
C0326

Tot Ion: 62 Resp: 4397

Ion Ratio Lower Upper

62 100

98 12.0 7.6 11.4#



#29

1,1,1-Trichloroethane

Concen: 467.256 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VV007092.D

Acq: 21 Aug 2018 00:26

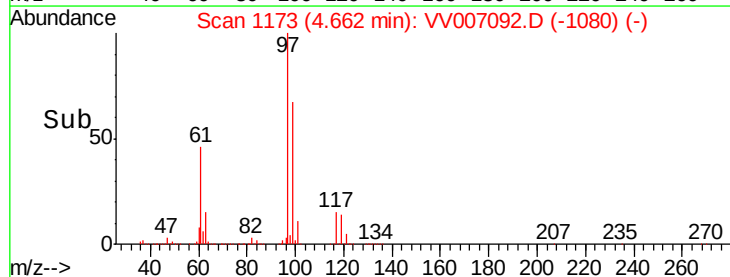
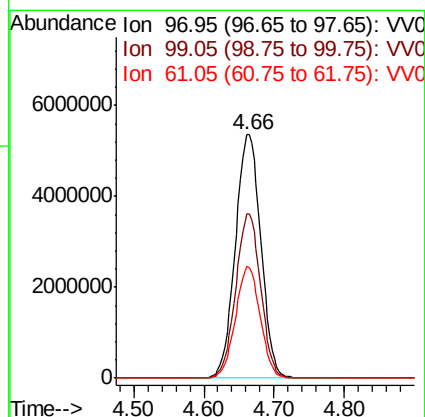
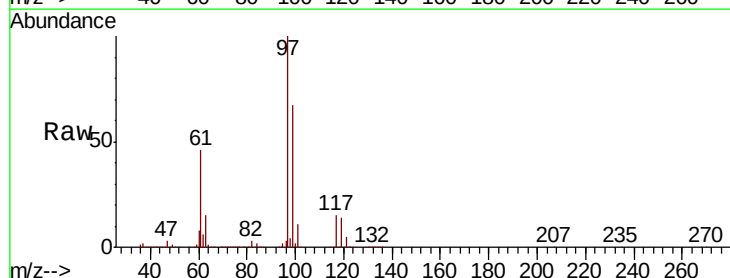
Tgt Ion: 97 Resp: 13519866

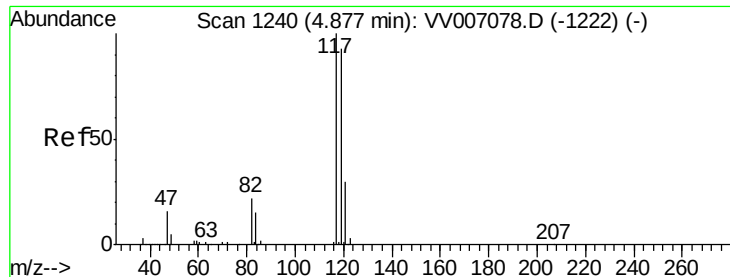
Ion Ratio Lower Upper

97 100

99 66.2 51.0 76.6

61 44.6 36.6 54.8





#31

Carbon tetrachloride

Concen: 78.547 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. -0.22 min

Lab File: VV007092.D

Acq: 21 Aug 2018 00:26

Instrument :

MSVOA_V

ClientSampleId :

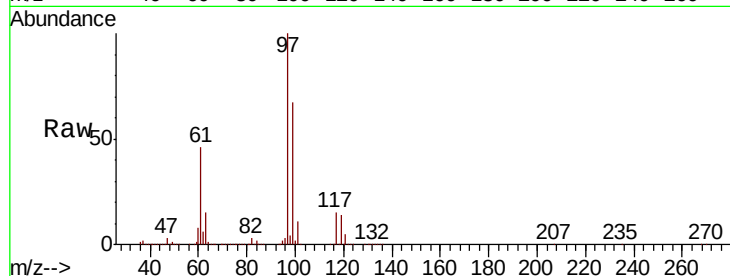
C0326

Tot Ion:117 Resp: 1905973

Ion Ratio Lower Upper

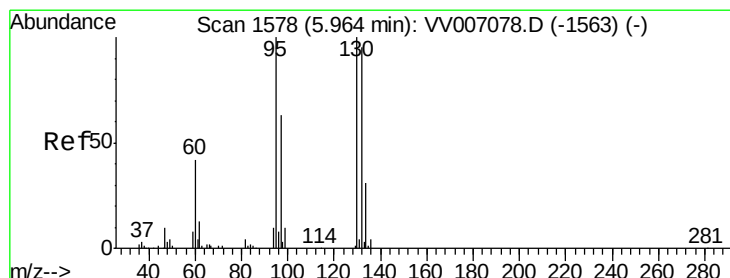
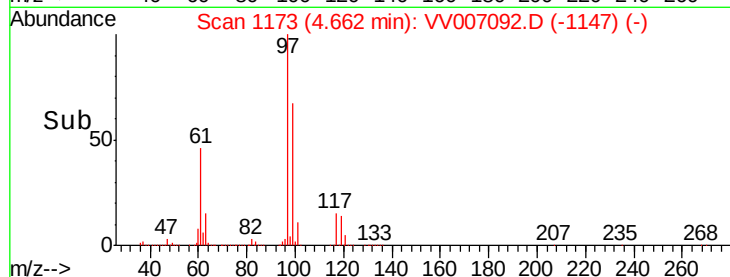
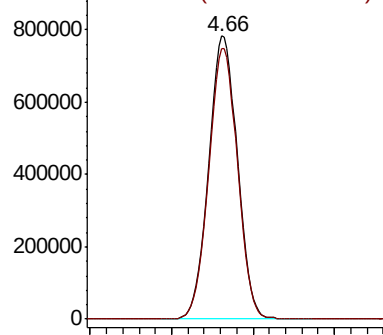
117 100

119 96.2 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 1.140 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV007092.D

Acq: 21 Aug 2018 00:26

Tgt Ion: 95 Resp: 20554

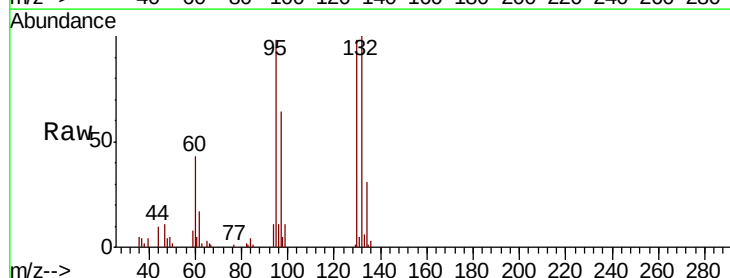
Ion Ratio Lower Upper

95 100

97 65.3 44.8 83.2

132 102.1 65.5 121.6

130 100.1 66.4 123.4

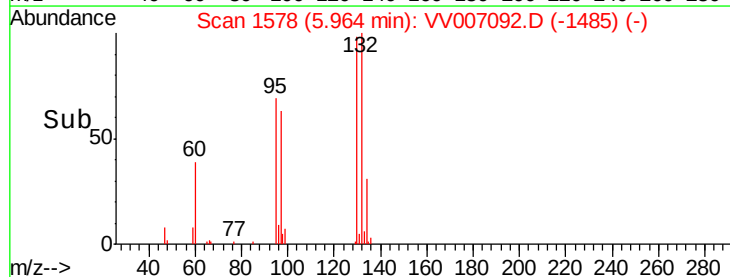
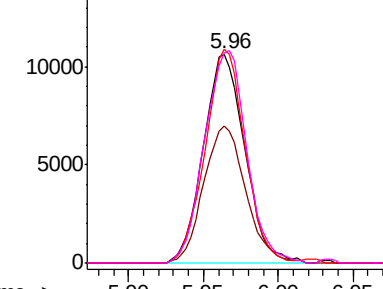


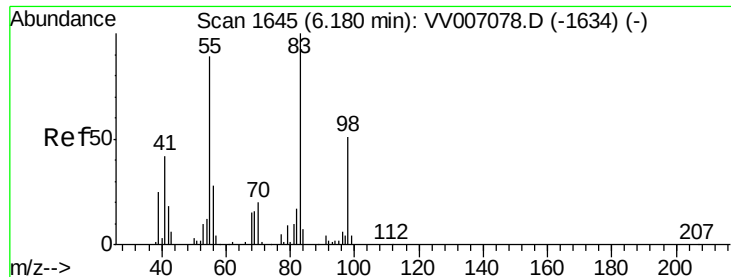
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

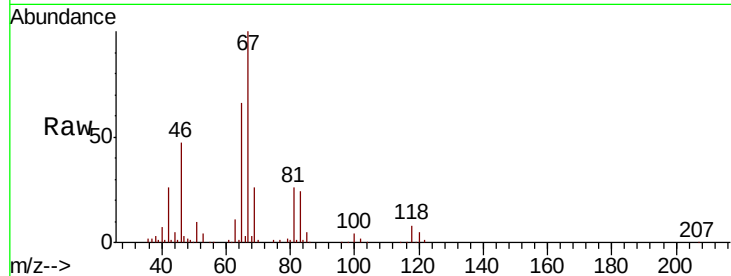




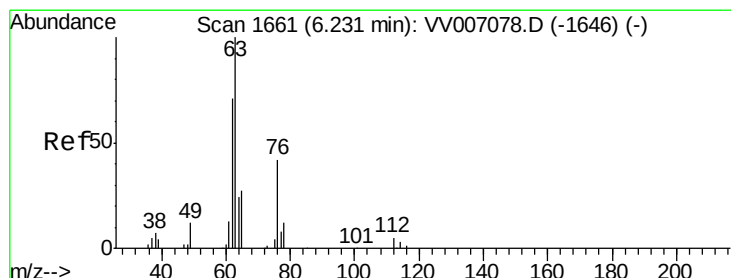
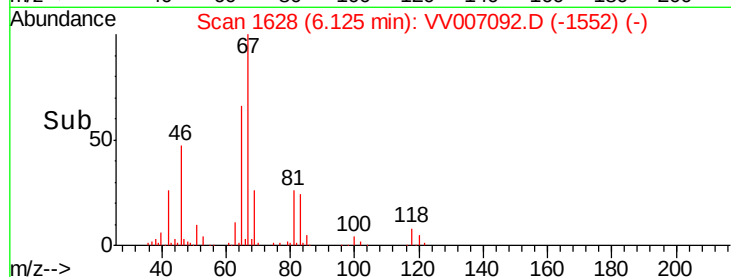
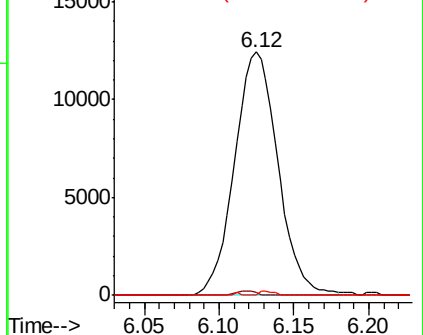
#35
Methylvlcyclohexane
Concen: 0.866 ug/L
RT: 6.12 min Scan# 1628
Delta R.T. -0.05 min
Lab File: VV007092.D
Acq: 21 Aug 2018 00:26

Instrument :
MSVOA_V
ClientSampleId :
C0326

Tot Ion: 83 Resp: 25066
Ion Ratio Lower Upper
83 100
55 0.8 68.1 102.1#
98 0.5 37.9 56.9#

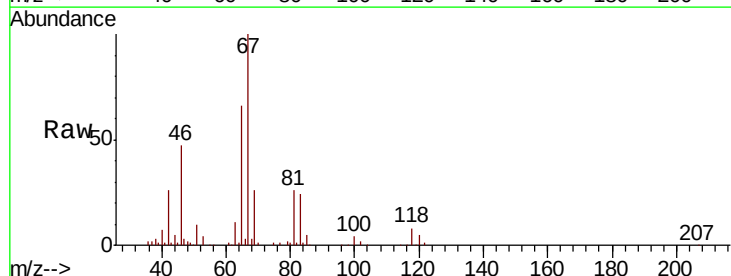


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

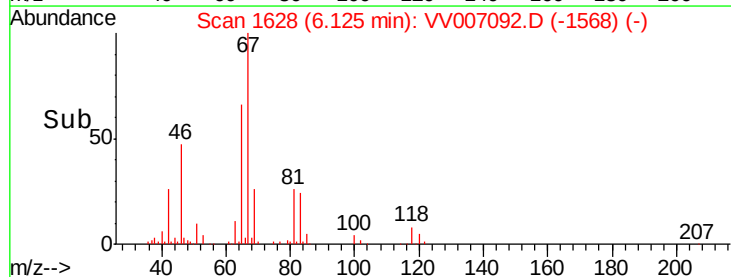
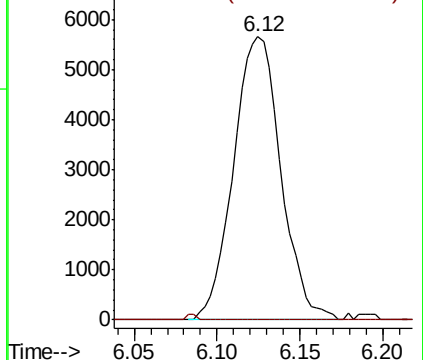


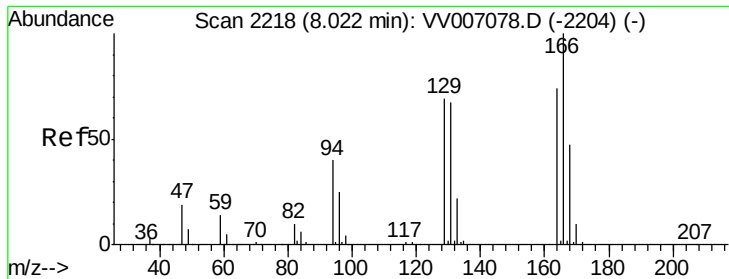
#37
1,2-Dichloropropane
Concen: 0.545 ug/L
RT: 6.12 min Scan# 1628
Delta R.T. -0.11 min
Lab File: VV007092.D
Acq: 21 Aug 2018 00:26

Tgt Ion: 63 Resp: 11224
Ion Ratio Lower Upper
63 100
112 0.4 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#47

Tetrachloroethene

Concen: 0.214 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV007092.D

Acq: 21 Aug 2018 00:26

Instrument :
MSVOA_V
ClientSampleId :
C0326

Tot Ion:164 Resp: 3121

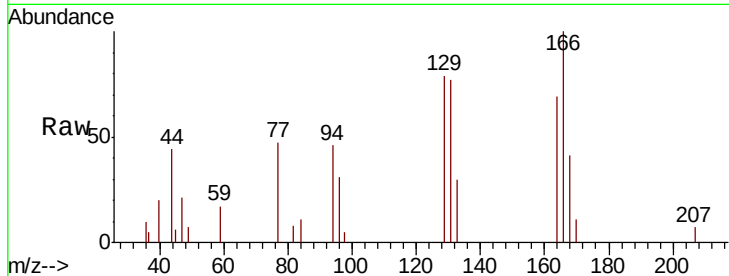
Ion Ratio Lower Upper

164 100

129 115.5 65.9 122.3

131 112.4 64.2 119.2

166 145.9 89.4 166.0

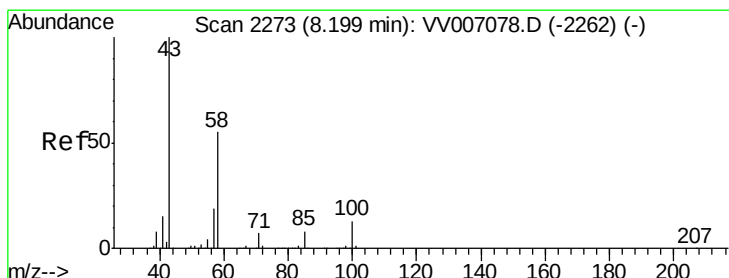
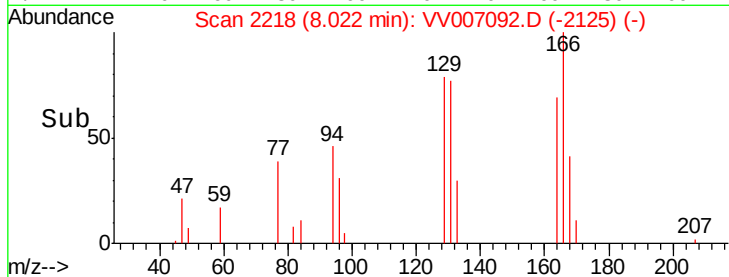
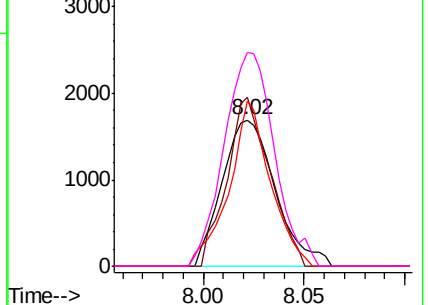


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 4.888 ug/L

RT: 8.20 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VV007092.D

Acq: 21 Aug 2018 00:26

Tgt Ion: 43 Resp: 38324

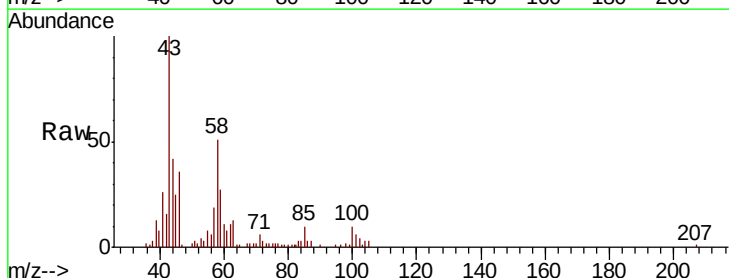
Ion Ratio Lower Upper

43 100

58 55.3 44.2 66.2

57 18.4 14.8 22.2

100 8.9 8.8 13.2

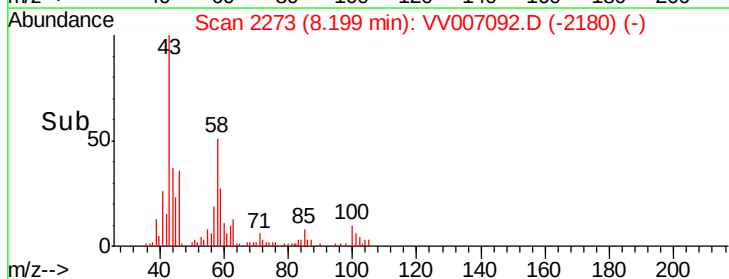
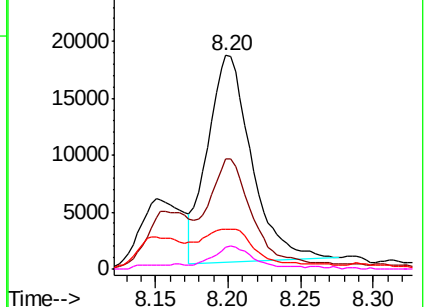


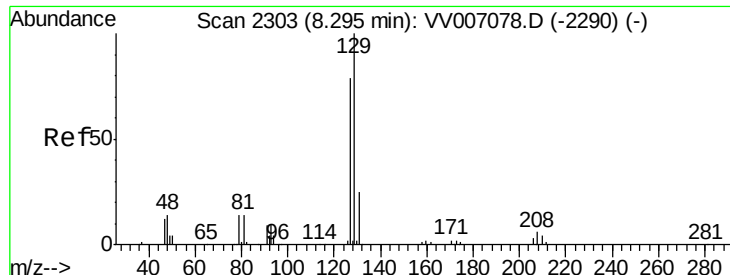
Abundance Ion 43.05 (42.75 to 43.75): VV0

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





#49

Dibromochloromethane

Concen: 0.203 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.27 min

Lab File: VV007092.D

Acq: 21 Aug 2018 00:26

Instrument :

MSVOA_V

ClientSampleId :

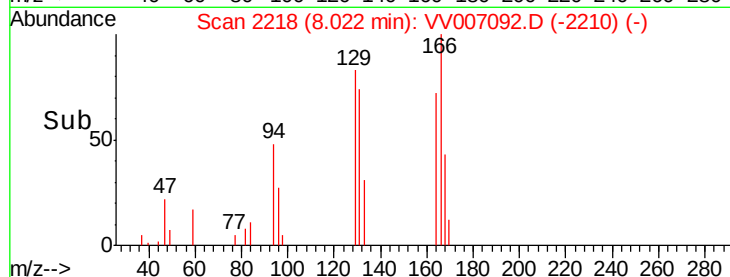
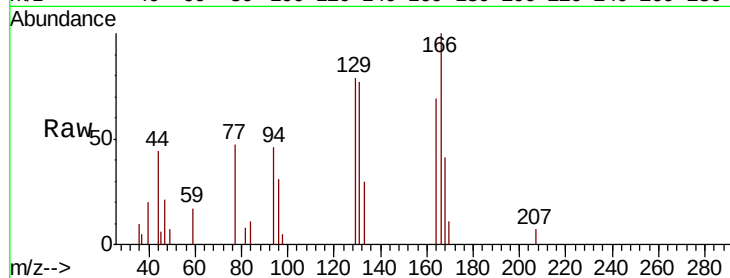
C0326

Tot Ion:129 Resp: 2851

Ion Ratio Lower Upper

129 100

127 0.0 53.3 98.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

