

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
 Data File : VV007909.D
 Acq On : 27 Sep 2018 15:45
 Operator : SY/MD
 Sample : J5011-10
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 28 00:45:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 28 00:42:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	87843	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	84157	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	41107	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22202	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.59	69	20165	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.14	63	39189	3.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.80%
20) 2-Butanone-d5	3.96	46	65882	46.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.02%
24) Chloroform-d	4.41	84	49850	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.09	65	28060	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.10	84	97990	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.13	67	31313	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.36	98	93427	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	7.67	79	10588	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.14	63	48095	44.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.86%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22104	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	39113	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Ovalue
5) Vinyl chloride	1.33	62	10709	1.526	ug/L 99
8) Chloroethane	1.33	64	3451	0.815	ug/L # 64
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1420	0.219	ug/L # 79
12) 1,1-Dichloroethene	2.15	96	4403	0.758	ug/L # 1
13) Acetone	2.20	43	2654	2.572	ug/L 93
14) Carbon disulfide	2.32	76	1364	0.087	ug/L # 72
19) 1,1-Dichloroethane	3.23	63	14654	1.342	ug/L 98
22) cis-1,2-Dichloroethene	3.97	96	59962	9.252	ug/L 99
25) Chloroform	4.44	83	1337	0.113	ug/L 97
29) 1,1,1-Trichloroethane	4.66	97	56905	5.623	ug/L 99
31) Carbon tetrachloride	4.66	117	7360	0.825	ug/L 97
34) Trichloroethene	5.96	95	206519	29.929	ug/L 96
35) Methylcyclohexane	6.13	83	7591	0.734	ug/L # 18
37) 1,2-Dichloropropane	6.13	63	3623	0.589	ug/L # 87
39) cis-1,3-Dichloropropene	7.03	75	818	0.099	ug/L # 71
42) Toluene	7.43	91	1964	0.075	ug/L 98
45) 1,1,2-Trichloroethane	7.89	97	448	0.101	ug/L 91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
Data File : VV007909.D
Acq On : 27 Sep 2018 15:45
Operator : SY/MD
Sample : J5011-10
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Sep 28 00:45:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 28 00:42:21 2018
Response via : Initial Calibration

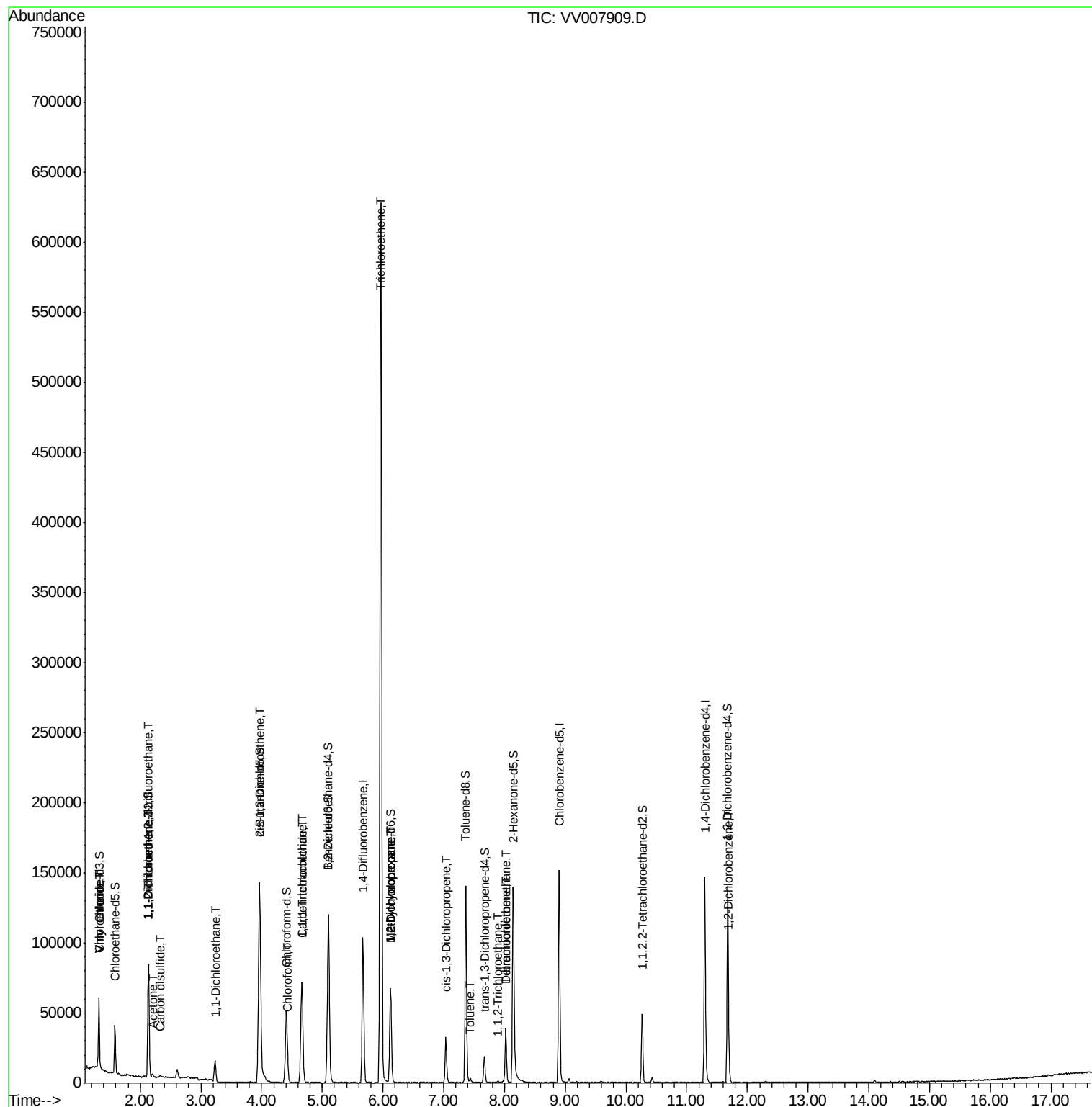
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.02	164	9070	1.419	ug/L	98
49) Dibromochloromethane	8.02	129	7545	1.488	ug/L #	12
65) 1,2-Dichlorobenzene	11.70	146	2213	0.173	ug/L	94

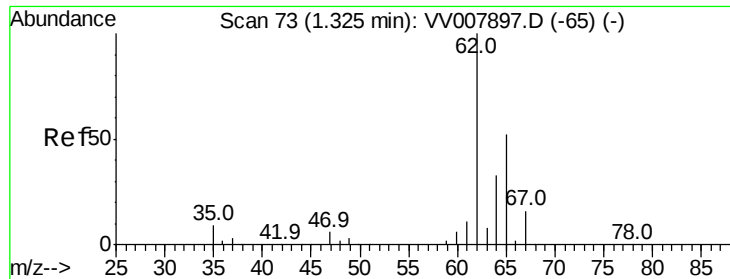
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV092718\
Data File : VV007909.D
Acq On : 27 Sep 2018 15:45
Operator : SY/MD
Sample : J5011-10
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Sep 28 00:45:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 28 00:42:21 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.526 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV007909.D

Acq: 27 Sep 2018 15:45

Instrument :

MSVOA_V

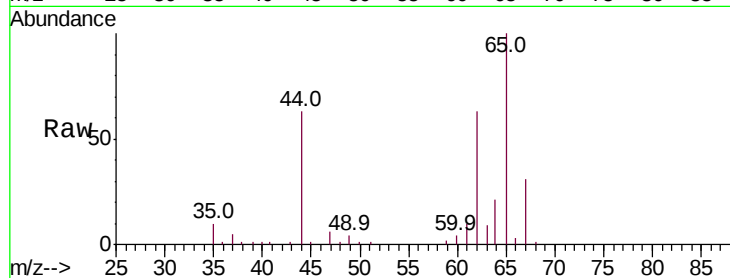
ClientSampleId :

Tot Ion: 62 Resp: 10709

Ion Ratio Lower Upper

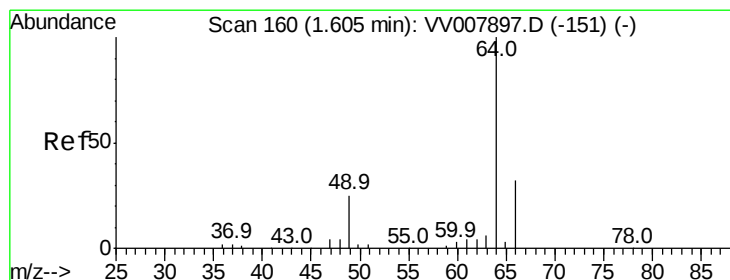
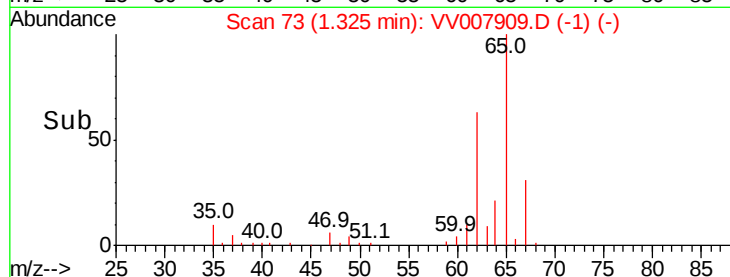
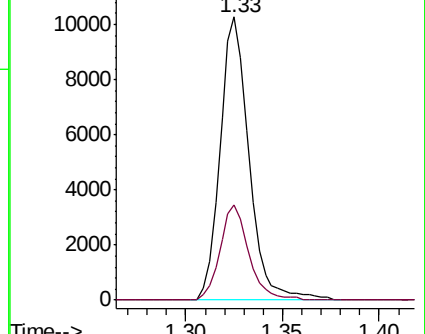
62 100

64 33.7 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 0.815 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.28 min

Lab File: VV007909.D

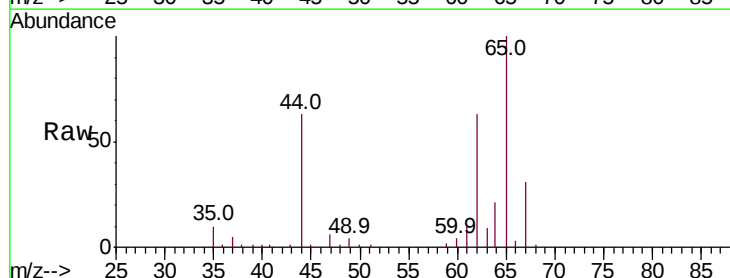
Acq: 27 Sep 2018 15:45

Tgt Ion: 64 Resp: 3451

Ion Ratio Lower Upper

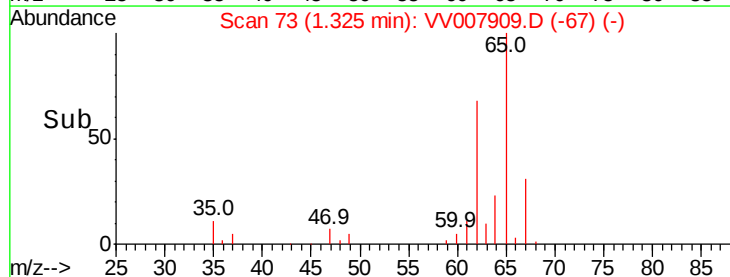
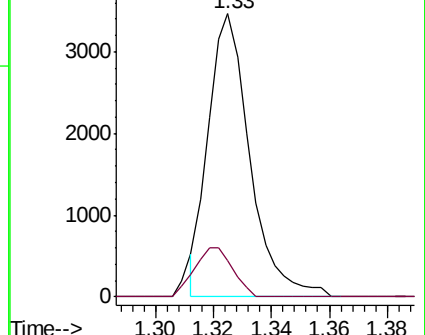
64 100

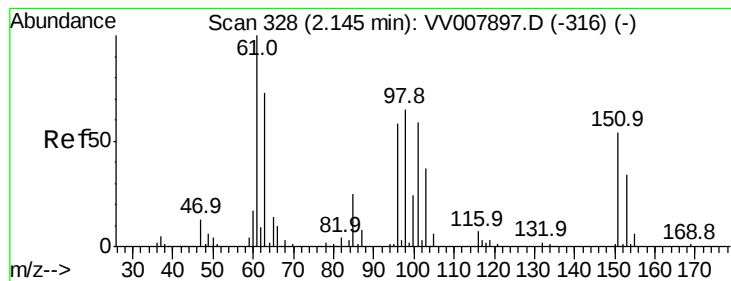
66 12.8 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

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

Concen: 0.219 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007909.D

Acq: 27 Sep 2018 15:45

Instrument :

MSVOA_V

ClientSampled :

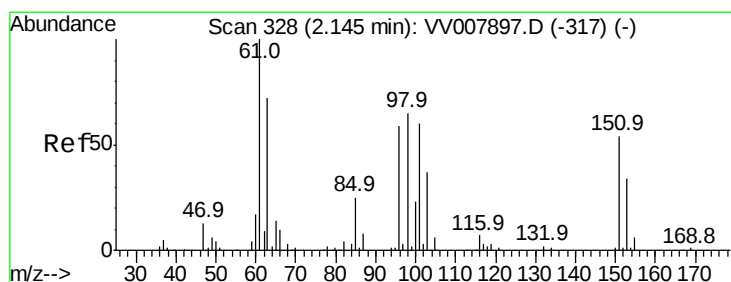
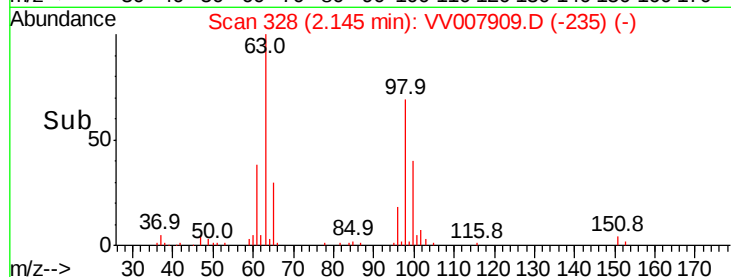
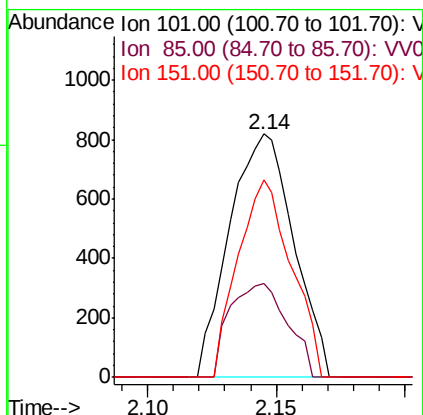
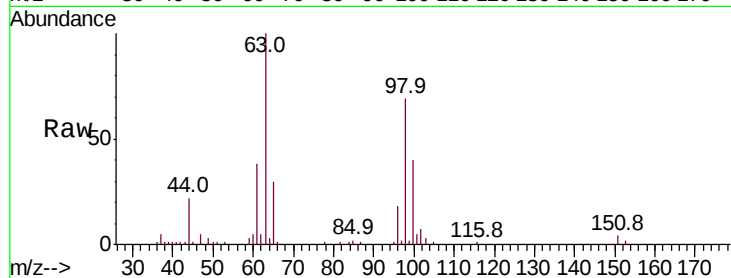
Tot Ion:101 Resp: 1420

Ion Ratio Lower Upper

101 100

85 34.5 34.7 52.1#

151 67.5 72.2 108.2#



#12

1,1-Dichloroethene

Concen: 0.758 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV007909.D

Acq: 27 Sep 2018 15:45

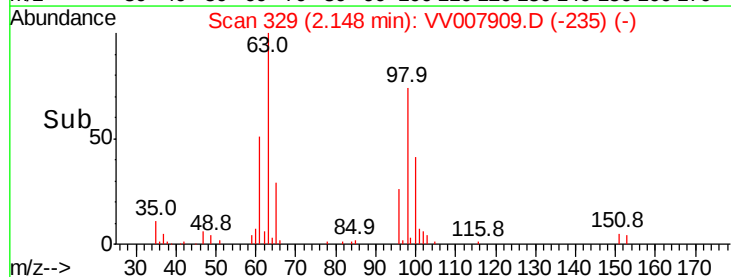
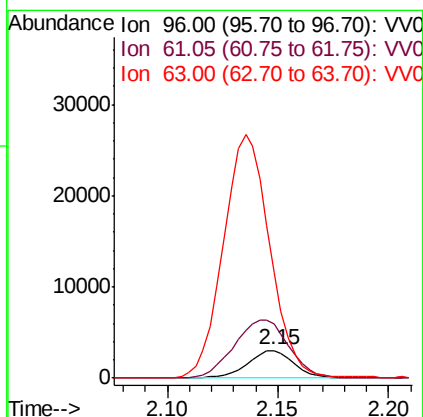
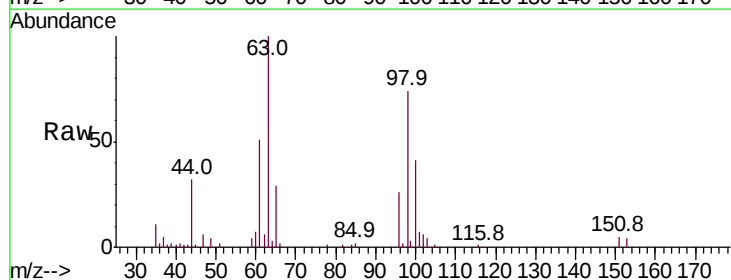
Tgt Ion: 96 Resp: 4403

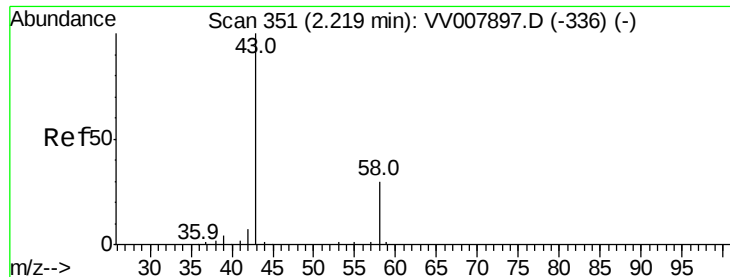
Ion Ratio Lower Upper

96 100

61 194.2 114.1 211.9

63 382.2 81.5 151.3#





#13

Acetone

Concen: 2.572 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.02 min

Lab File: VV007909.D

Acq: 27 Sep 2018 15:45

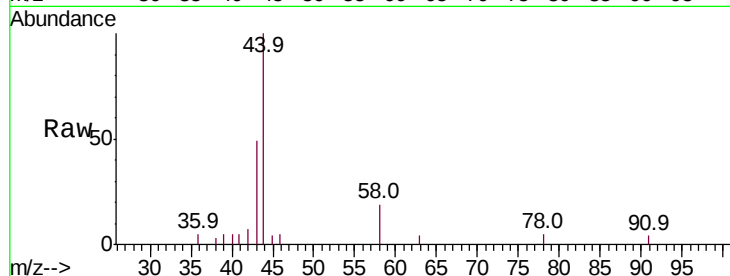
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 2654

Ion Ratio Lower Upper

43 100

58 34.7 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV007897.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV007897.D (-336) (-)

1500

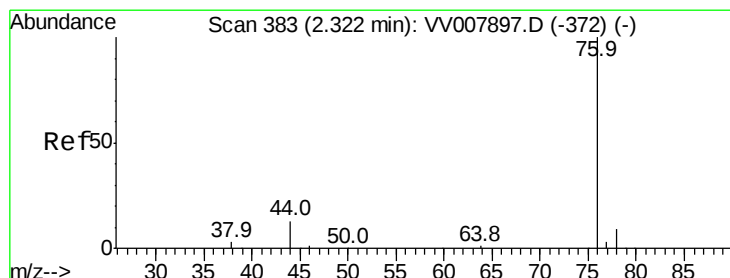
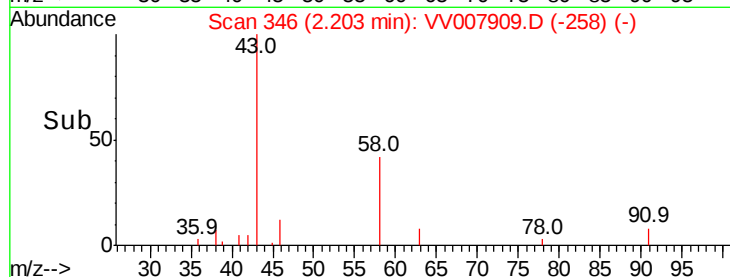
1000

500

2.20

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 0.087 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV007909.D

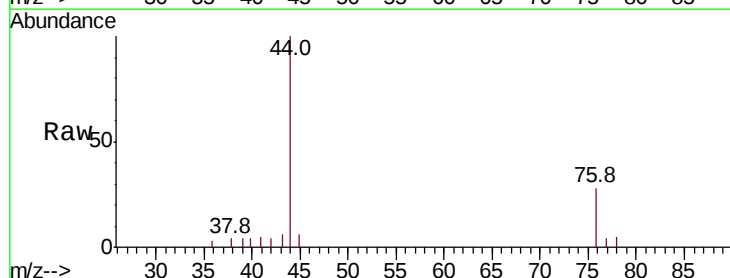
Acq: 27 Sep 2018 15:45

Tgt Ion: 76 Resp: 1364

Ion Ratio Lower Upper

76 100

78 19.1 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VV007897.D (-372) (-)

Ion 78.00 (77.70 to 78.70): VV007897.D (-372) (-)

1000

800

600

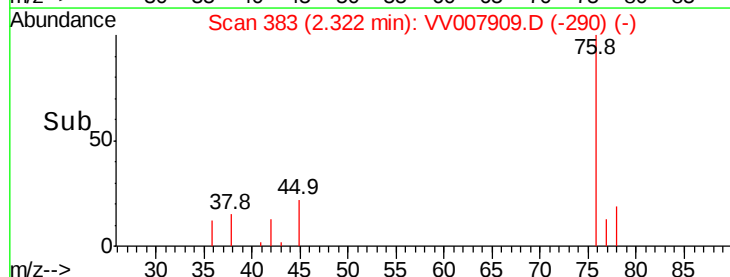
400

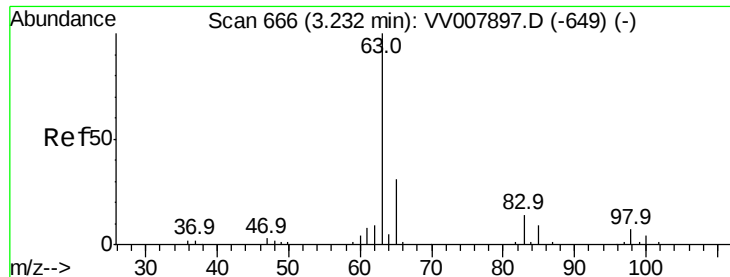
200

2.32

2.30 2.35

Time-->





#19

1,1-Dichloroethane

Concen: 1.342 ug/L

RT: 3.23 min Scan# 666

Delta R.T. -0.00 min

Lab File: VV007909.D

Acq: 27 Sep 2018 15:45

Instrument :

MSVOA_V

ClientSampleId :

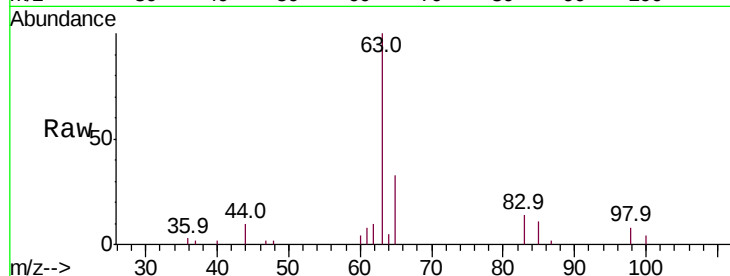
Tot Ion: 63 Resp: 14654

Ion Ratio Lower Upper

63 100

65 33.1 22.3 41.5

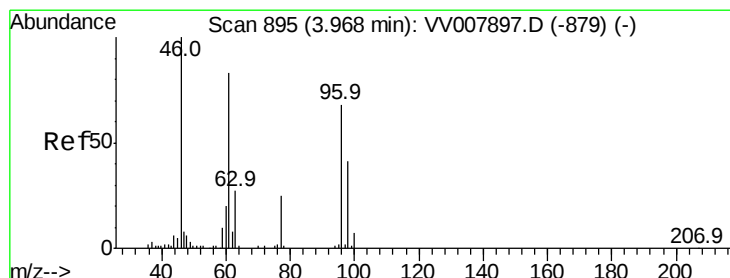
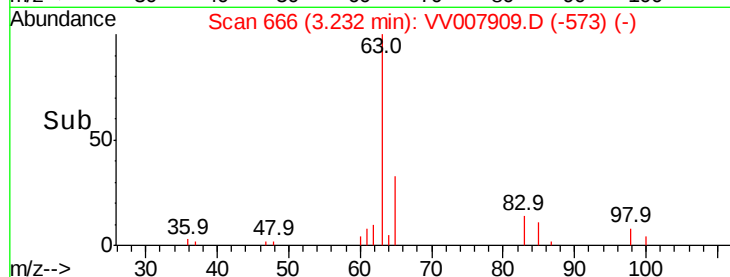
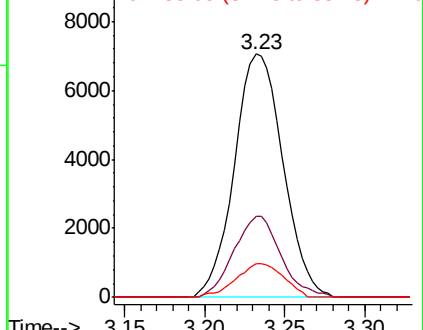
83 13.6 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 9.252 ug/L

RT: 3.97 min Scan# 895

Delta R.T. -0.00 min

Lab File: VV007909.D

Acq: 27 Sep 2018 15:45

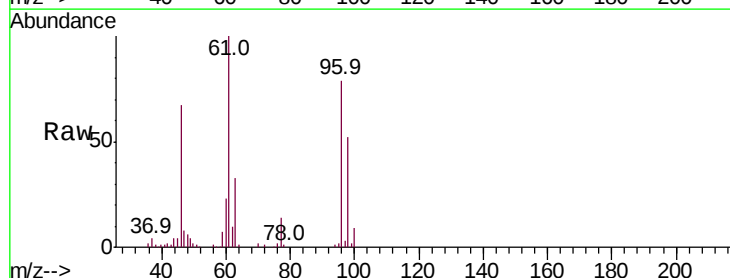
Tgt Ion: 96 Resp: 59962

Ion Ratio Lower Upper

96 100

61 127.2 89.5 166.1

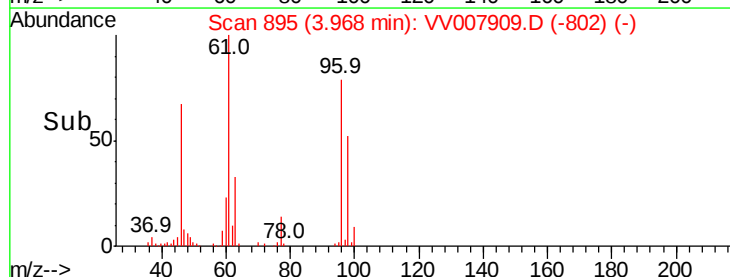
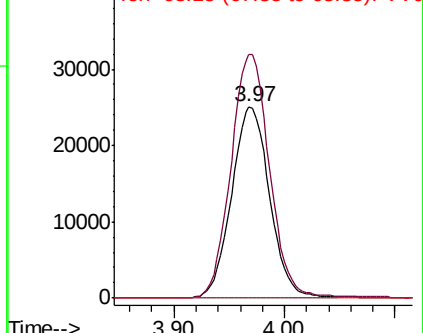
68 0.0 0.0 0.0

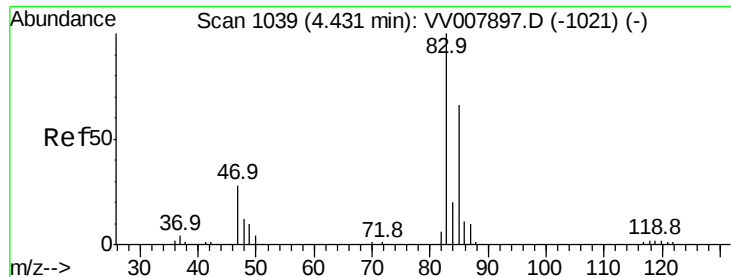


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

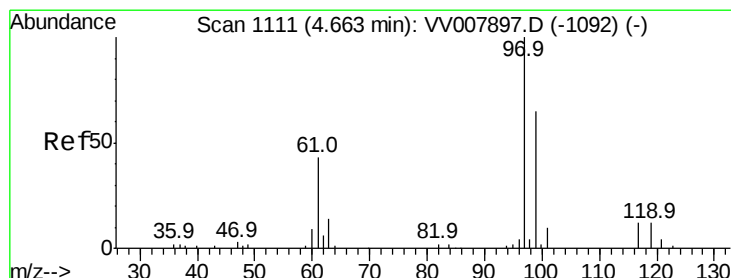
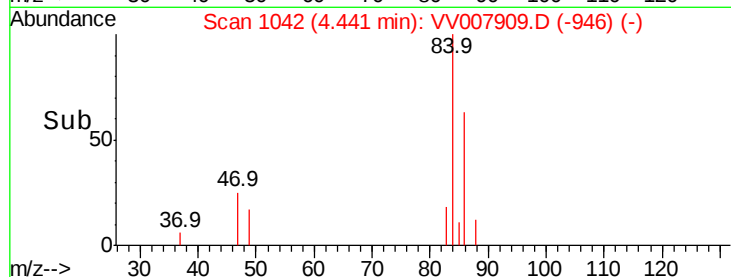
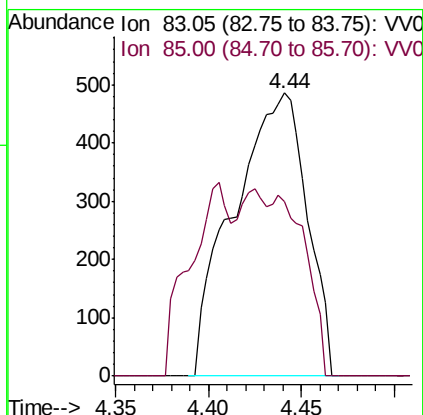
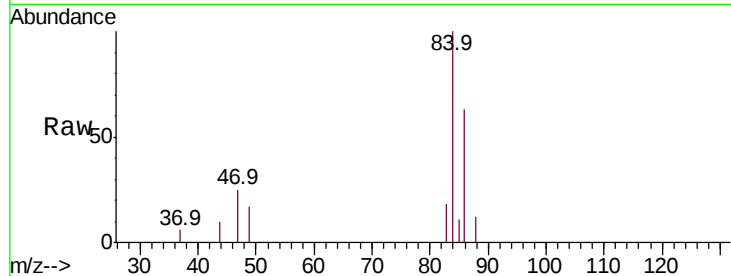




#25
Chloroform
Concen: 0.113 ug/L
RT: 4.44 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VV007909.D
Acq: 27 Sep 2018 15:45

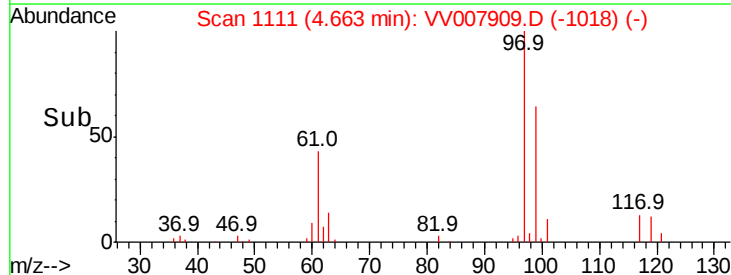
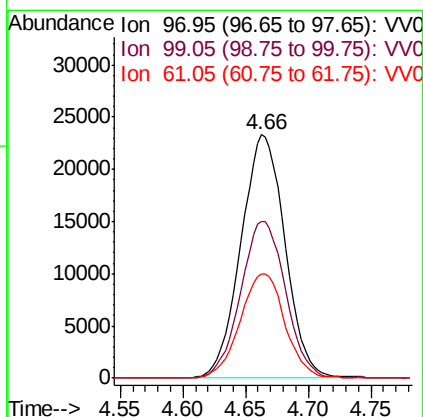
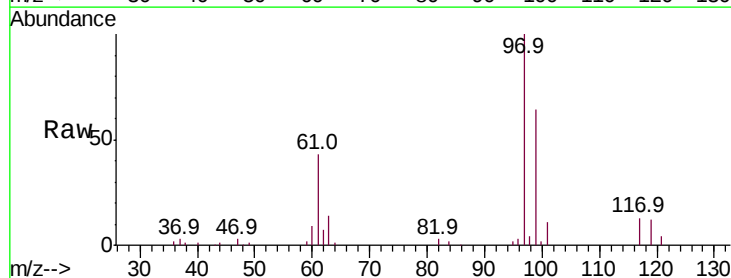
Instrument :
MSVOA_V
ClientSampled :

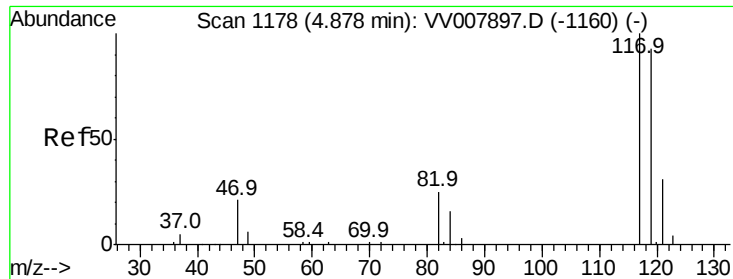
Tot Ion: 83 Resp: 1337
Ion Ratio Lower Upper
83 100
85 61.7 44.8 83.2



#29
1,1,1-Trichloroethane
Concen: 5.623 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VV007909.D
Acq: 27 Sep 2018 15:45

Tgt Ion: 97 Resp: 56905
Ion Ratio Lower Upper
97 100
99 65.7 51.2 76.8
61 43.4 34.6 52.0





#31

Carbon tetrachloride

Concen: 0.825 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.22 min

Lab File: VV007909.D

Acq: 27 Sep 2018 15:45

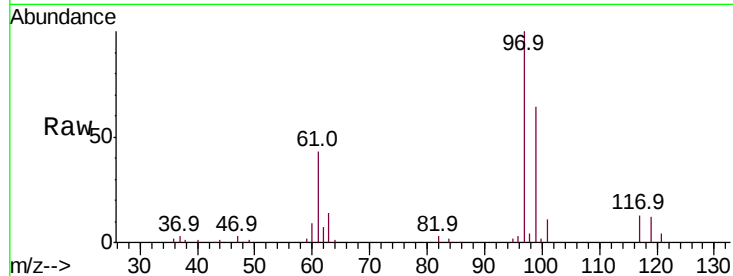
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 7360

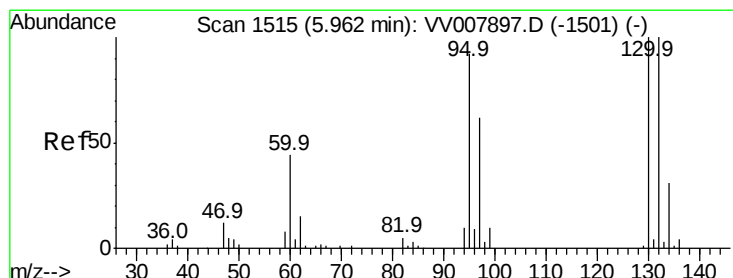
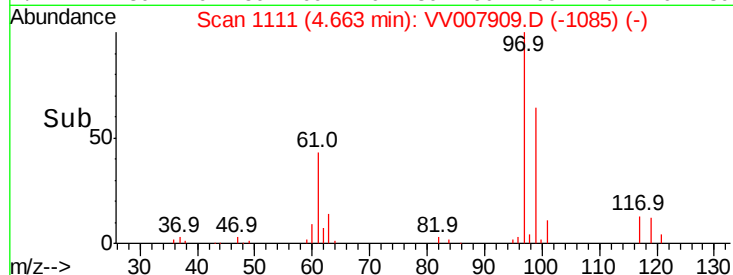
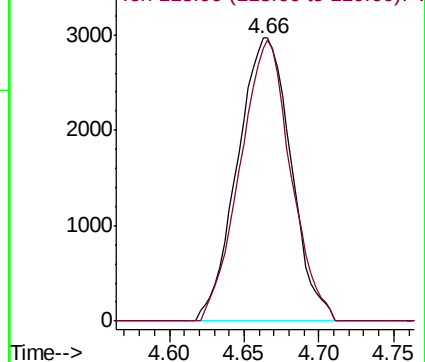
Ion Ratio Lower Upper

117 100

119 94.3 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 29.929 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007909.D

Acq: 27 Sep 2018 15:45

Tgt Ion: 95 Resp: 206519

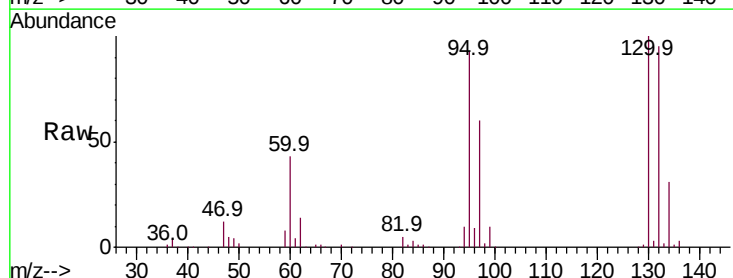
Ion Ratio Lower Upper

95 100

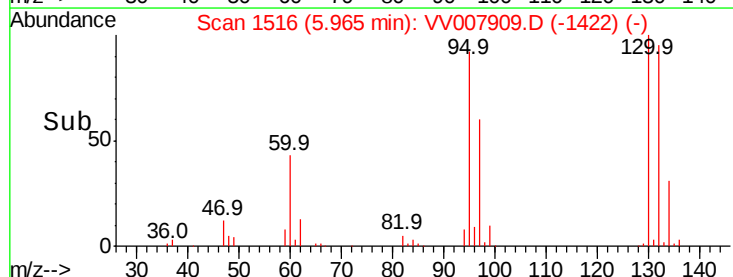
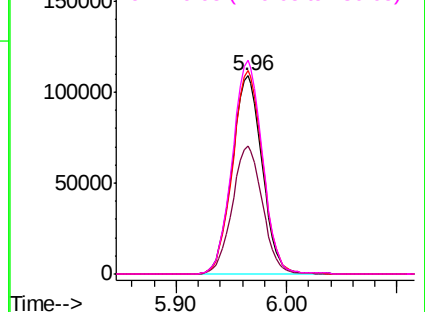
97 64.5 43.6 81.0

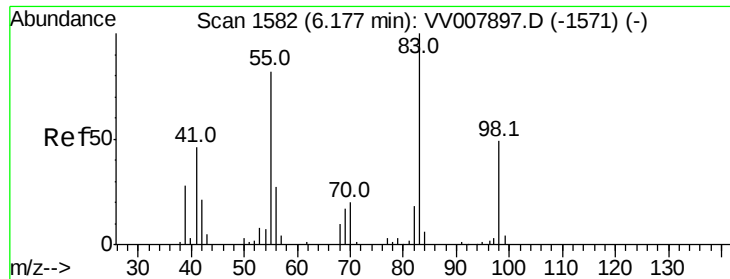
132 102.6 69.9 129.9

130 107.7 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): V
Ion 129.95 (129.65 to 130.65): V

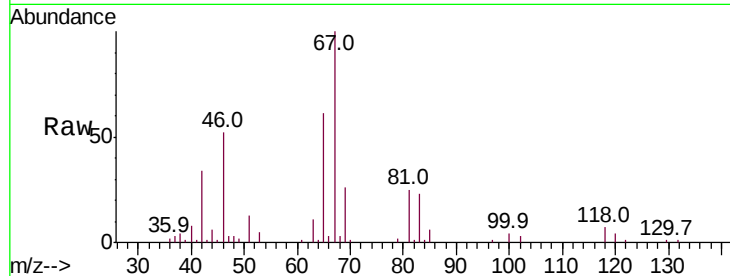




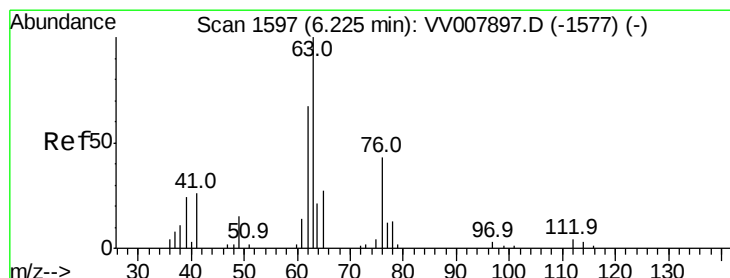
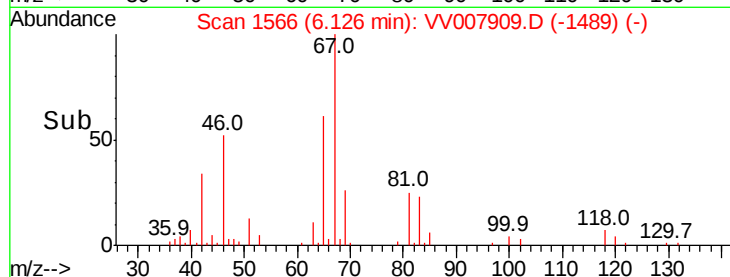
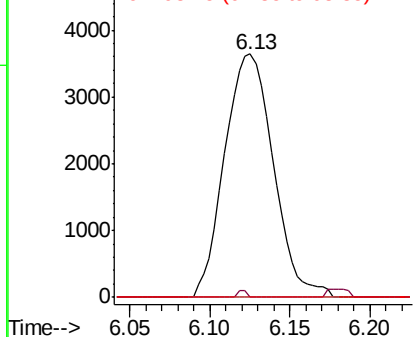
#35
Methvlcvclohexane
Concen: 0.734 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.05 min
Lab File: VV007909.D
Acq: 27 Sep 2018 15:45

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 7591
Ion Ratio Lower Upper
83 100
55 0.6 62.2 93.2#
98 0.0 38.0 57.0#

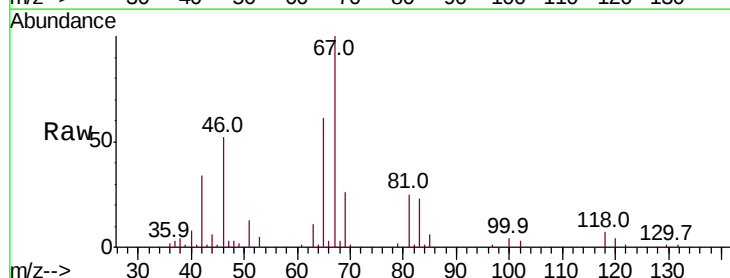


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

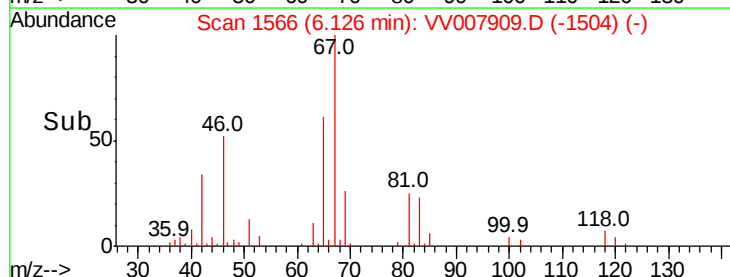
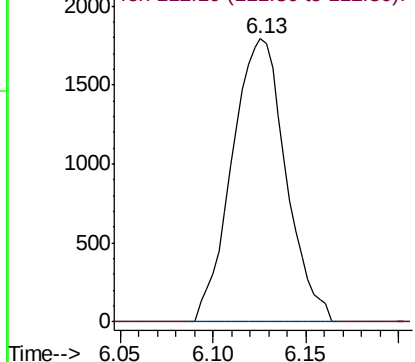


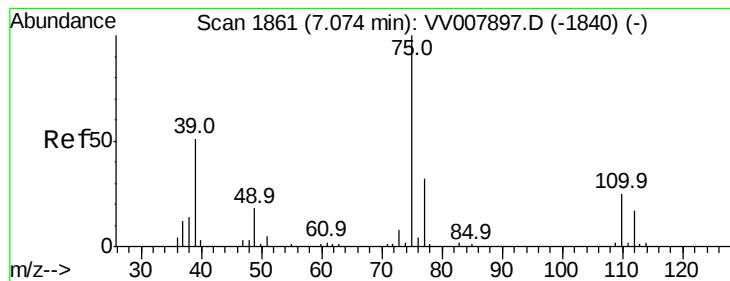
#37
1,2-Dichloropropane
Concen: 0.589 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.10 min
Lab File: VV007909.D
Acq: 27 Sep 2018 15:45

Tgt Ion: 63 Resp: 3623
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



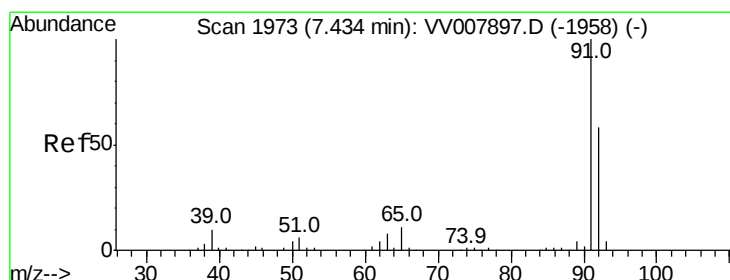
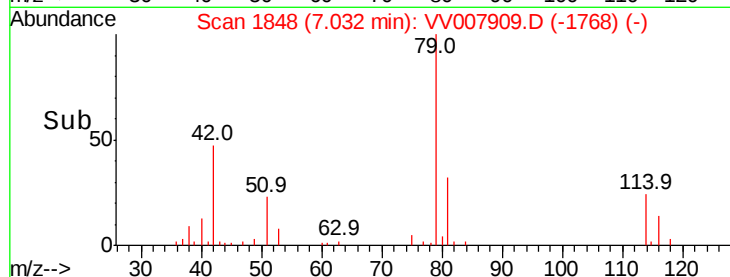
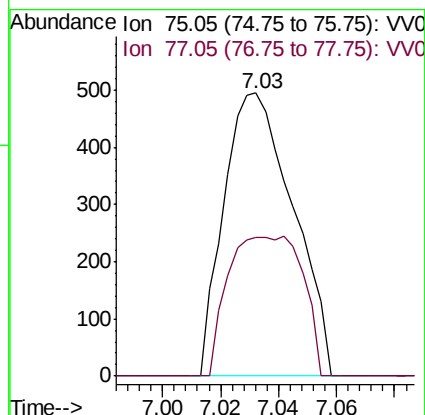
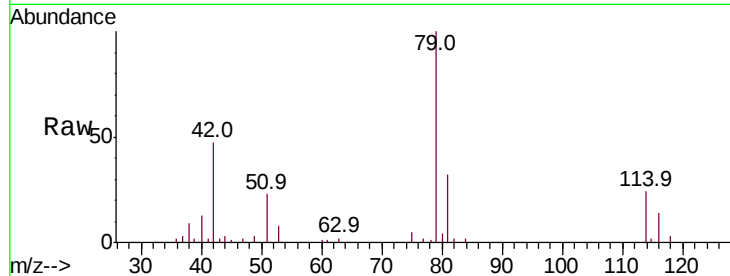


#39

cis-1,3-Dichloropropene
 Concen: 0.099 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV007909.D
 Acq: 27 Sep 2018 15:45

Instrument :
 MSVOA_V
 ClientSampled :

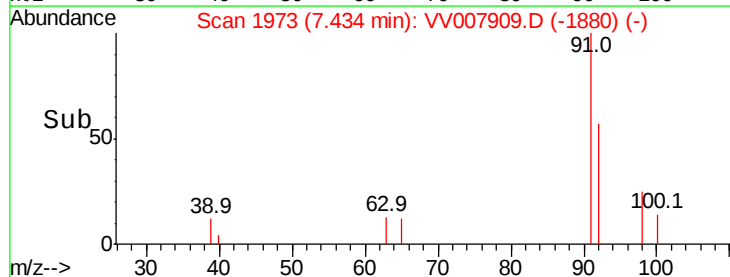
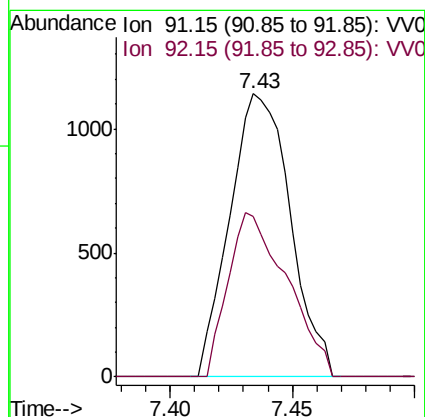
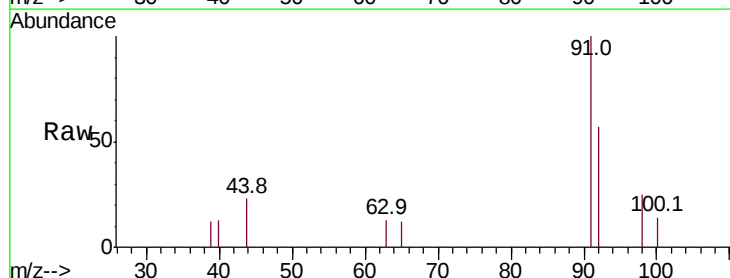
Tot Ion: 75 Resp: 818
 Ion Ratio Lower Upper
 75 100
 77 48.9 22.9 42.5#

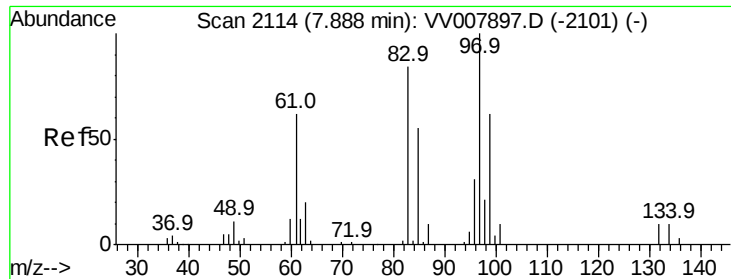


#42

Toluene
 Concen: 0.075 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VV007909.D
 Acq: 27 Sep 2018 15:45

Tgt Ion: 91 Resp: 1964
 Ion Ratio Lower Upper
 91 100
 92 56.8 40.8 75.8





#45

1,1,2-Trichloroethane

Concen: 0.101 ug/L

RT: 7.89 min Scan# 2116

Delta R.T. 0.01 min

Lab File: VV007909.D

Acq: 27 Sep 2018 15:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 448

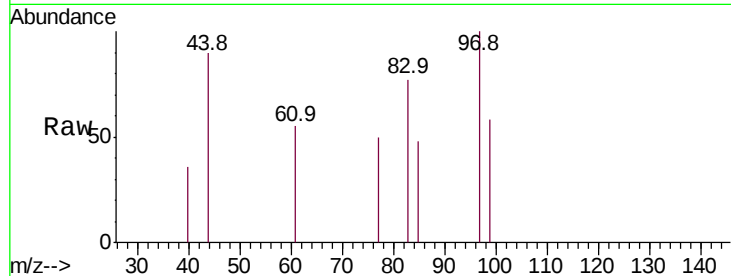
Ion Ratio Lower Upper

97 100

99 58.3 43.5 80.9

83 76.9 59.7 110.9

85 47.7 39.5 73.3

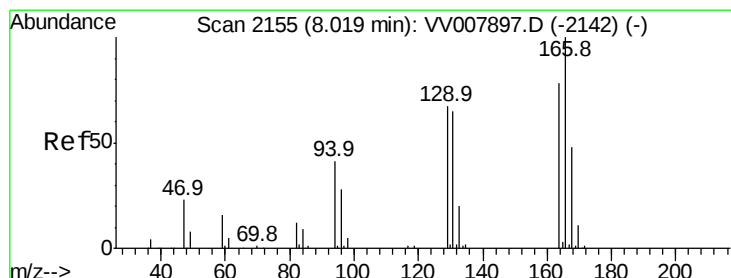
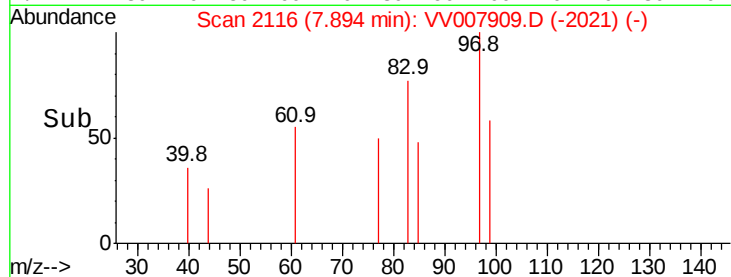
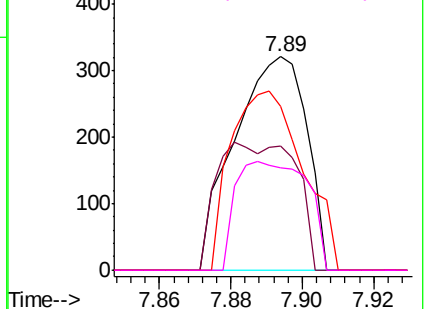


Abundance Ion 96.95 (96.65 to 97.65): VV007897.D (-2101) (-)

Ion 99.05 (98.75 to 99.75): VV007897.D (-2101) (-)

Ion 82.95 (82.65 to 83.65): VV007897.D (-2101) (-)

Ion 85.00 (84.70 to 85.70): VV007897.D (-2101) (-)



#47

Tetrachloroethene

Concen: 1.419 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV007909.D

Acq: 27 Sep 2018 15:45

Tgt Ion: 164 Resp: 9070

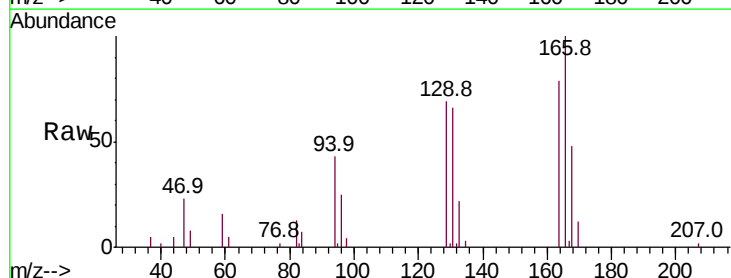
Ion Ratio Lower Upper

164 100

129 87.8 59.2 110.0

131 84.3 57.1 106.1

166 127.4 88.6 164.6

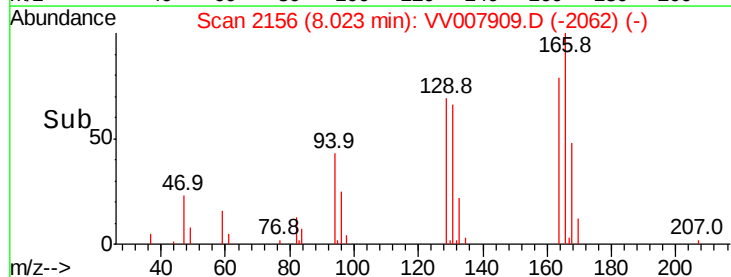
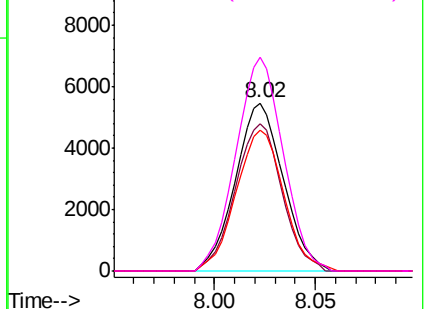


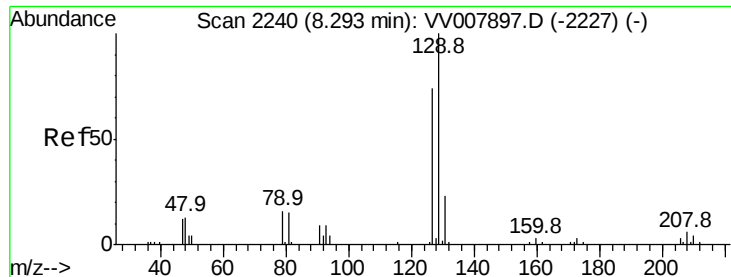
Abundance Ion 163.90 (163.60 to 164.60): VV007897.D (-2142) (-)

Ion 128.95 (128.65 to 129.65): VV007897.D (-2142) (-)

Ion 130.95 (130.65 to 131.65): VV007897.D (-2142) (-)

Ion 165.90 (165.60 to 166.60): VV007897.D (-2142) (-)

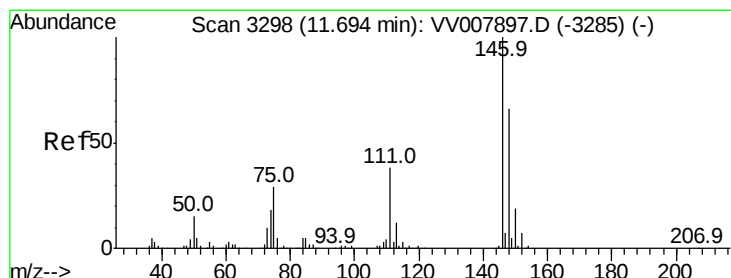
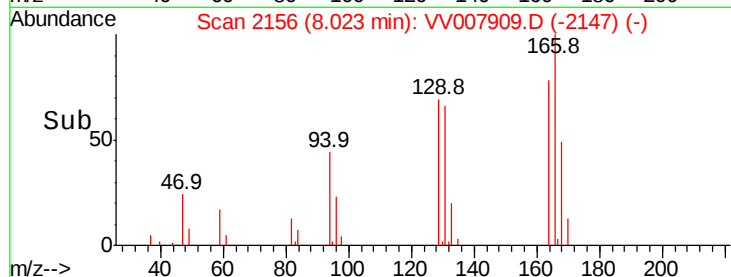
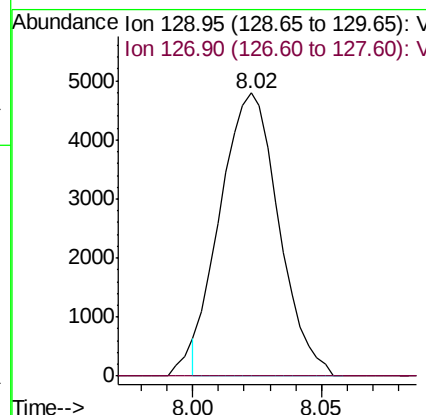
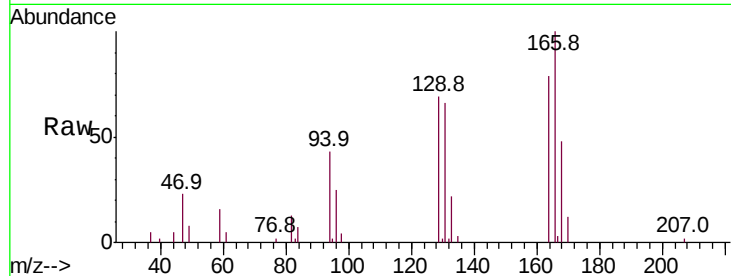




#49
 Dibromochloromethane
 Concen: 1.488 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.27 min
 Lab File: VV007909.D
 Acq: 27 Sep 2018 15:45

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:129 Resp: 7545
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.1 98.5#



#65
 1,2-Dichlorobenzene
 Concen: 0.173 ug/L
 RT: 11.70 min Scan# 3299
 Delta R.T. 0.00 min
 Lab File: VV007909.D
 Acq: 27 Sep 2018 15:45

Tgt Ion:146 Resp: 2213
 Ion Ratio Lower Upper
 146 100
 111 39.8 31.2 46.8
 148 69.7 50.3 75.5

