

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
 Data File : VV007899.D
 Acq On : 27 Sep 2018 10:59
 Operator : SY/MD
 Sample : J4914-06
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 X2D94

Quant Time: Sep 28 09:07:03 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	98489	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	92043	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	47782	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25140	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.59	69	22164	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.14	63	55482	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.00%
20) 2-Butanone-d5	3.98	46	72810	45.85	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.70%
24) Chloroform-d	4.41	84	58887	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.09	65	30771	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.10	84	107917	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.12	67	33388	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.36	98	105521	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	7.67	79	12141	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.14	63	53478	45.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.34%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	25747	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	44744	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	54599	6.609	ug/L 99
5) Vinyl chloride	1.32	62	103548	13.160	ug/L 98
12) 1,1-Dichloroethene	2.14	96	29125	4.474	ug/L 95
18) trans-1,2-Dichloroethene	2.79	96	15651	2.181	ug/L 100
19) 1,1-Dichloroethane	3.23	63	18151	1.482	ug/L 99
25) Chloroform	4.43	83	82198	6.207	ug/L 99
29) 1,1,1-Trichloroethane	4.66	97	24436	2.208	ug/L 98
34) Trichloroethene	5.96	95	24270	3.216	ug/L 98
37) 1,2-Dichloropropane	6.23	63	55291	8.212	ug/L 99
38) Bromodichloromethane	6.56	83	24937	3.097	ug/L 99
47) Tetrachloroethene	8.02	164	29696	4.246	ug/L 98
49) Dibromochloromethane	8.29	129	57230	10.317	ug/L 98
50) 1,2-Dibromoethane	8.40	107	29032	6.536	ug/L 100
51) Chlorobenzene	8.93	112	380710	19.203	ug/L 99
61) Bromoform	9.78	173	50898	17.736	ug/L 96
63) 1,4-Dichlorobenzene	11.32	146	135522	8.263	ug/L 99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8849	11.682	ug/L 90

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QLast Update : Fri Sep 28 00:42:21 2018
Response via : Initial Calibration

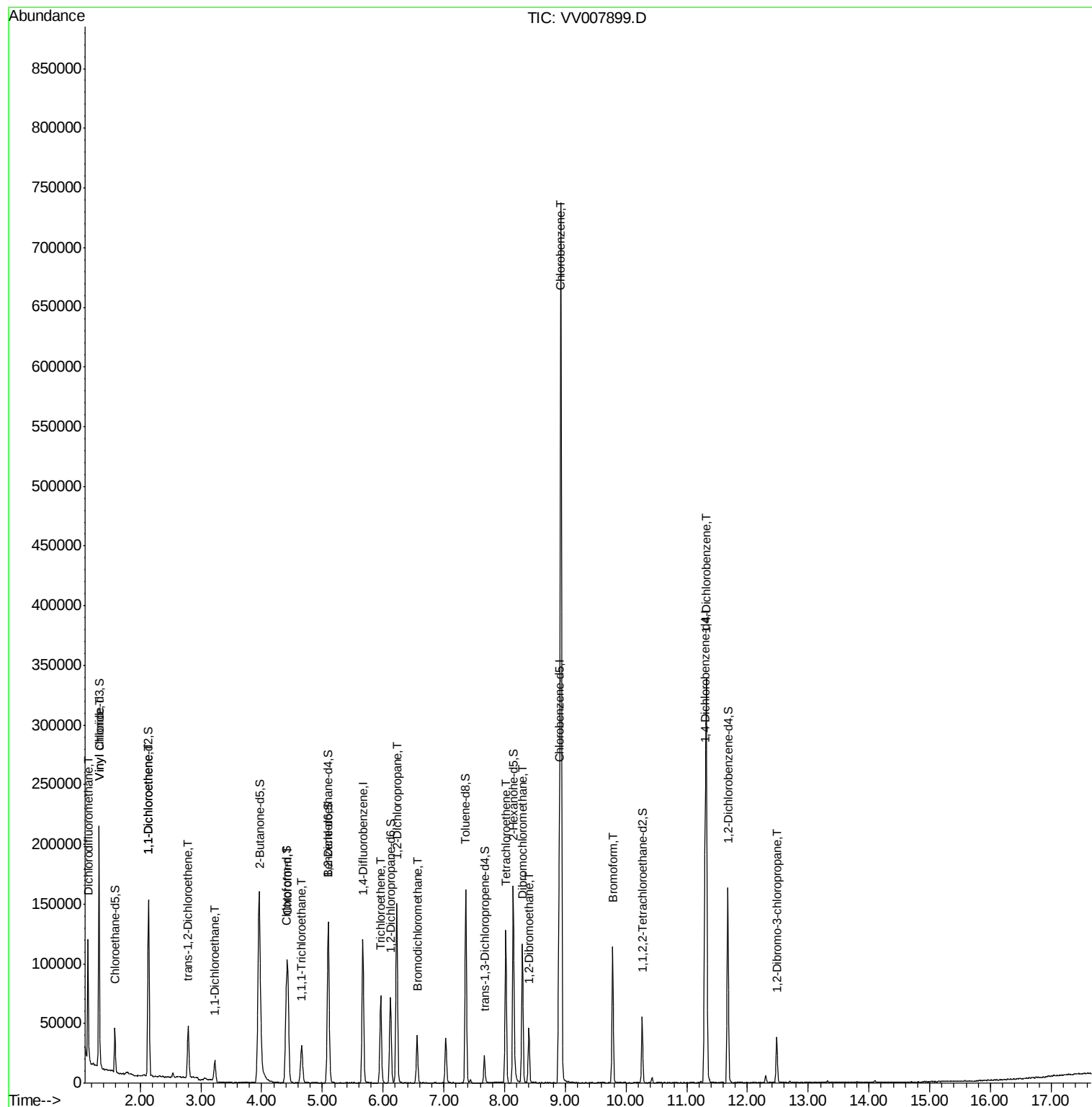
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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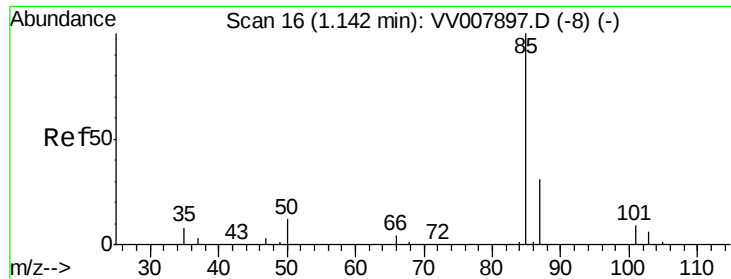
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 6.609 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV007899.D

Acq: 27 Sep 2018 10:59

Instrument :

MSVOA_V

ClientSampleId :

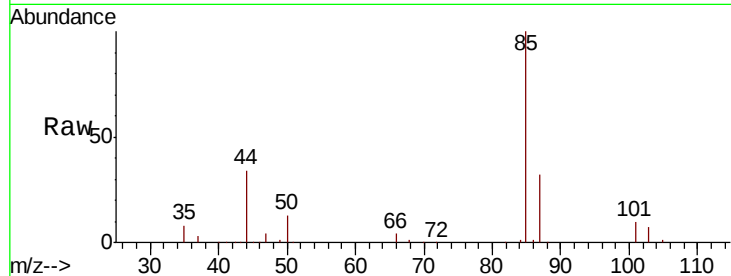
X2D94

Tot Ion: 85 Resp: 54599

Ion Ratio Lower Upper

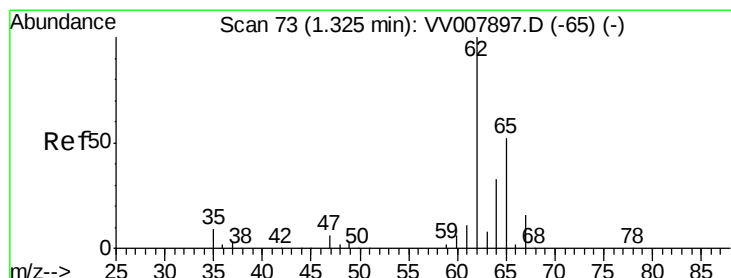
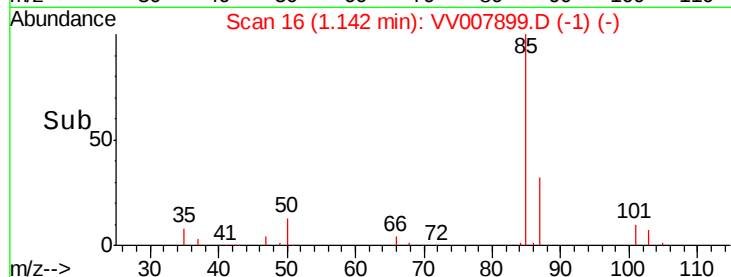
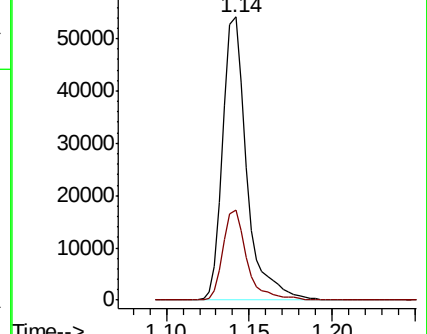
85 100

87 31.9 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV007899.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007899.D (-8) (-)



#5

Vinyl chloride

Concen: 13.160 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV007899.D

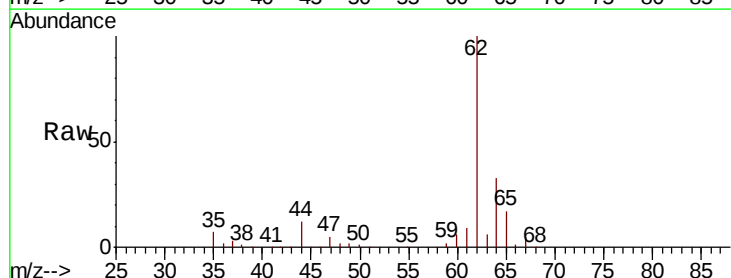
Acq: 27 Sep 2018 10:59

Tgt Ion: 62 Resp: 103548

Ion Ratio Lower Upper

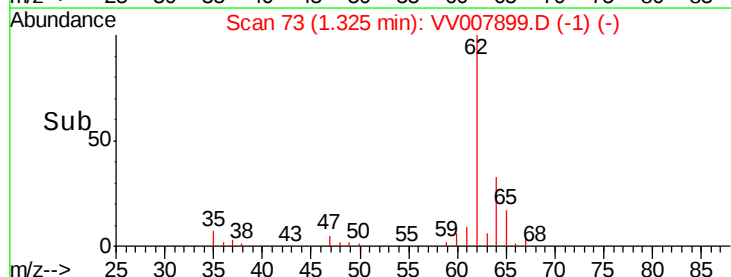
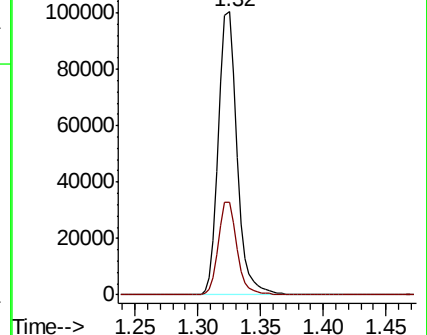
62 100

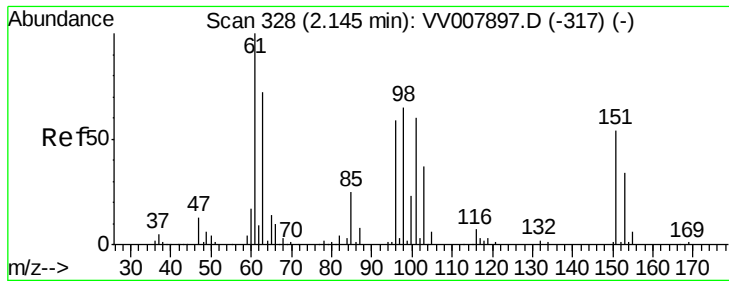
64 32.9 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV007899.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV007899.D (-65) (-)





#12

1,1-Dichloroethene

Concen: 4.474 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007899.D

Acq: 27 Sep 2018 10:59

Instrument :

MSVOA_V

ClientSampleId :

X2D94

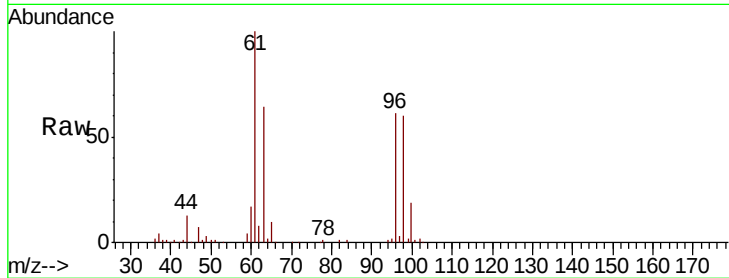
Tot Ion: 96 Resp: 29125

Ion Ratio Lower Upper

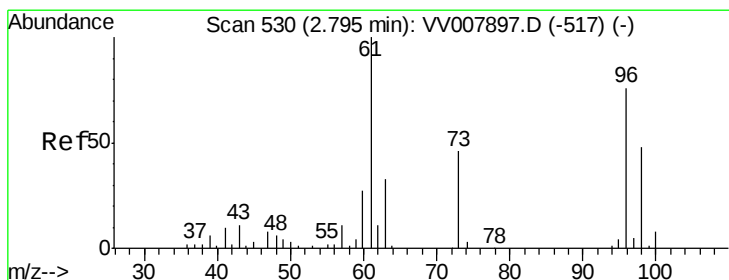
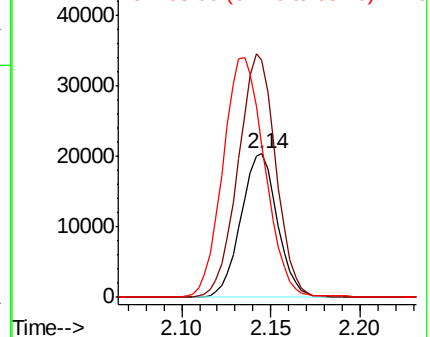
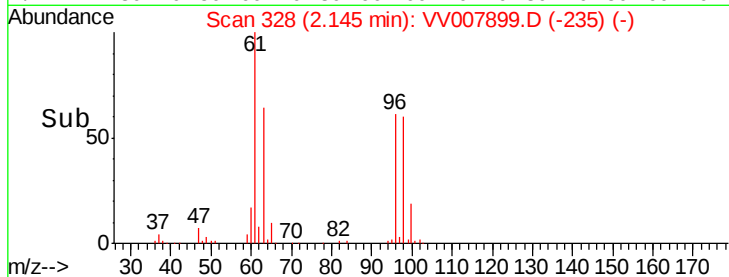
96 100

61 165.0 114.1 211.9

63 106.1 81.5 151.3



Abundance Ion 96.00 (95.70 to 96.70): VV007899.D (-235) (-)



#18

trans-1,2-Dichloroethene

Concen: 2.181 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV007899.D

Acq: 27 Sep 2018 10:59

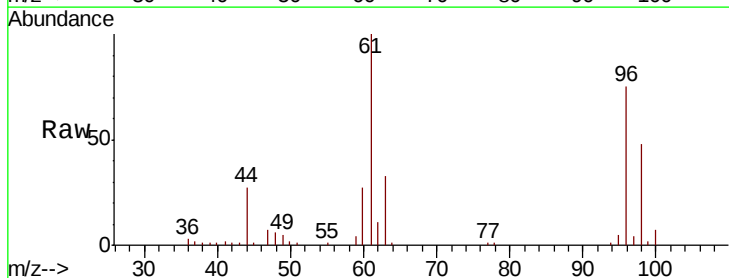
Tgt Ion: 96 Resp: 15651

Ion Ratio Lower Upper

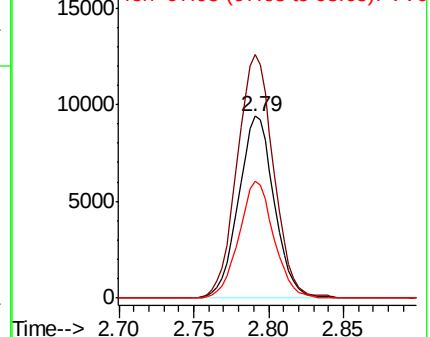
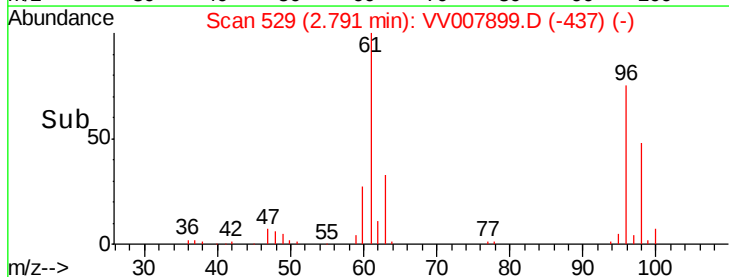
96 100

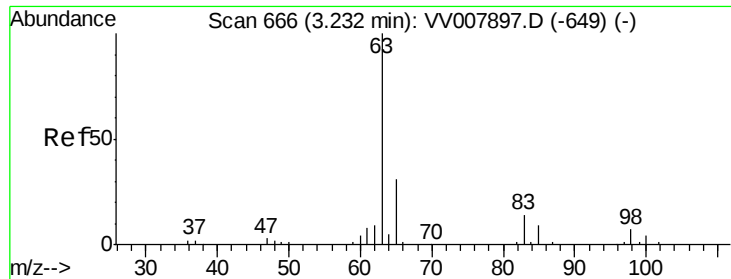
61 133.8 94.2 175.0

98 64.2 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VV007899.D (-437) (-)

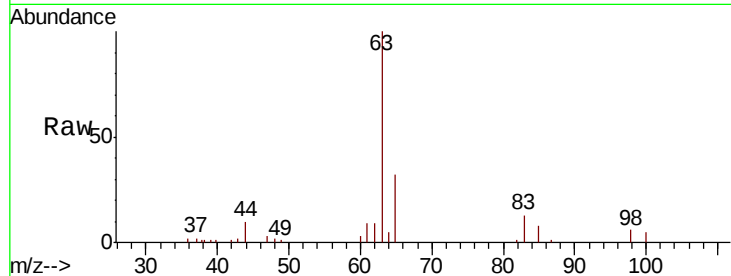




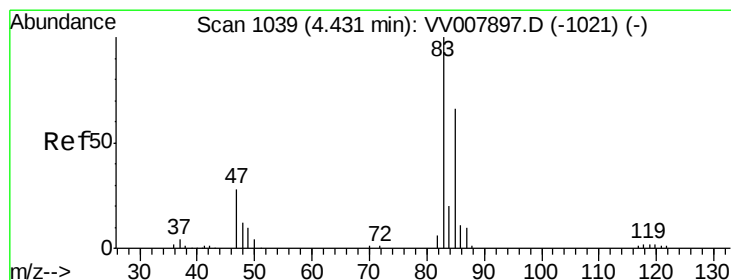
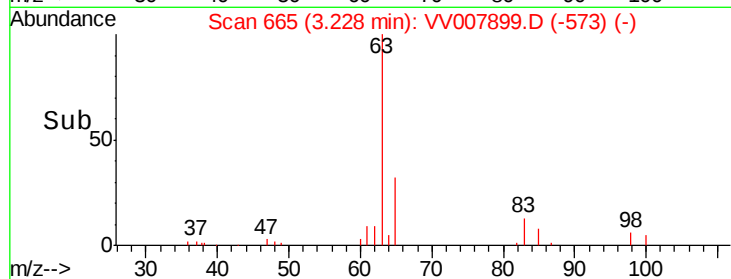
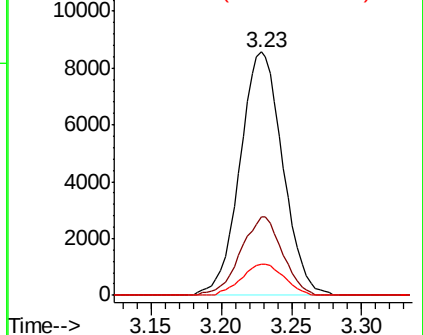
#19
 1,1-Dichloroethane
 Concen: 1.482 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV007899.D
 Acq: 27 Sep 2018 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 X2D94

Tot Ion:	63	Resp:	18151
Ion	Ratio	Lower	Upper
63	100		
65	32.1	22.3	41.5
83	12.8	9.8	18.2

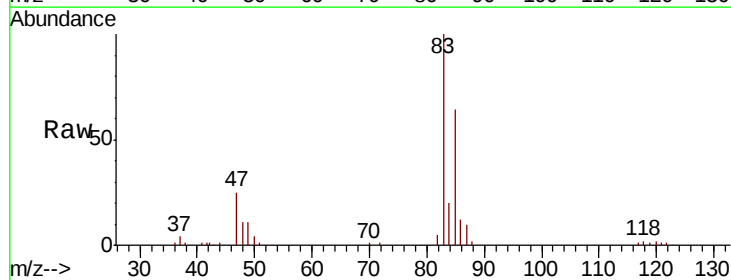


Abundance Ion 63.10 (62.80 to 63.80): VV007899.D (-649) (-)
 Ion 65.10 (64.80 to 65.80): VV007899.D (-649) (-)
 Ion 83.05 (82.75 to 83.75): VV007899.D (-649) (-)

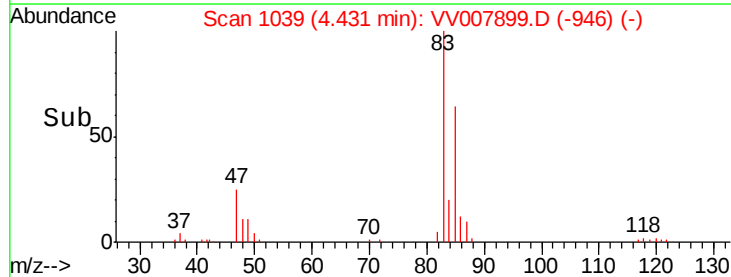
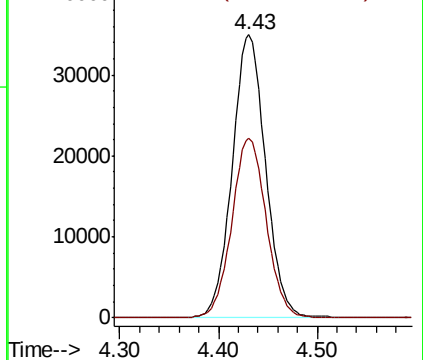


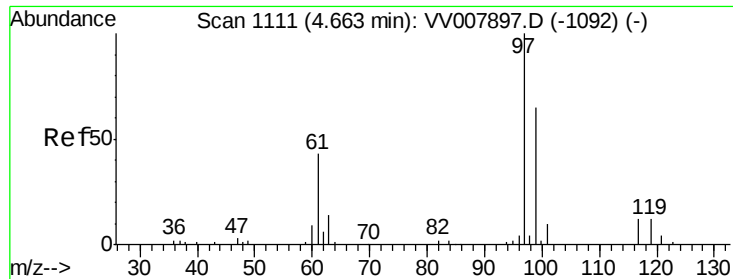
#25
 Chloroform
 Concen: 6.207 ug/L
 RT: 4.43 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: VV007899.D
 Acq: 27 Sep 2018 10:59

Tgt Ion:	83	Resp:	82198
Ion	Ratio	Lower	Upper
83	100		
85	63.5	44.8	83.2



Abundance Ion 83.05 (82.75 to 83.75): VV007899.D (-1021) (-)
 Ion 85.00 (84.70 to 85.70): VV007899.D (-1021) (-)

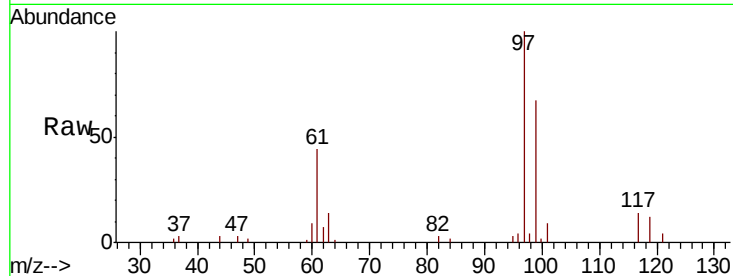




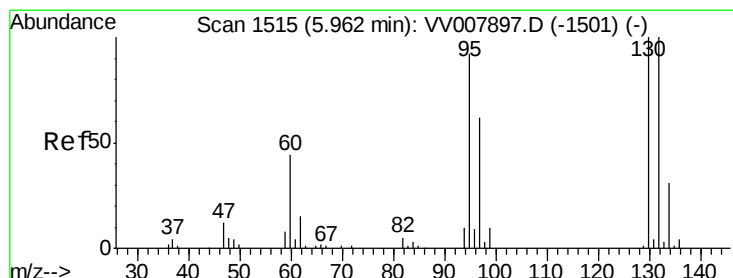
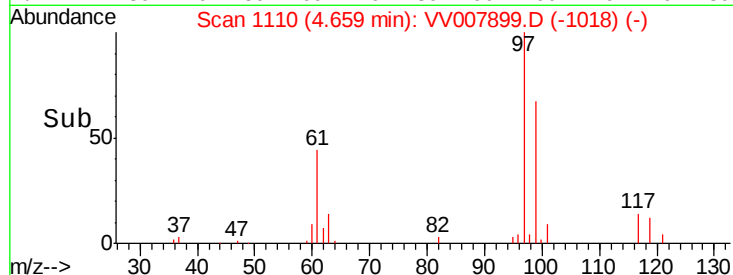
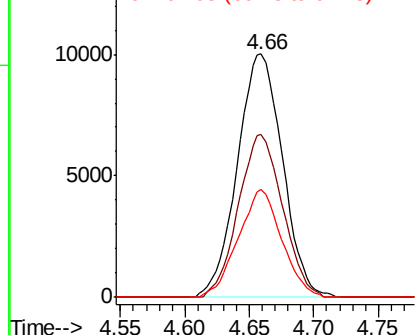
#29
1,1,1-Trichloroethane
Concen: 2.208 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV007899.D
Acq: 27 Sep 2018 10:59

Instrument :
MSVOA_V
ClientSampled :
X2D94

Tot Ion: 97 Resp: 24436
Ion Ratio Lower Upper
97 100
99 65.5 51.2 76.8
61 42.6 34.6 52.0

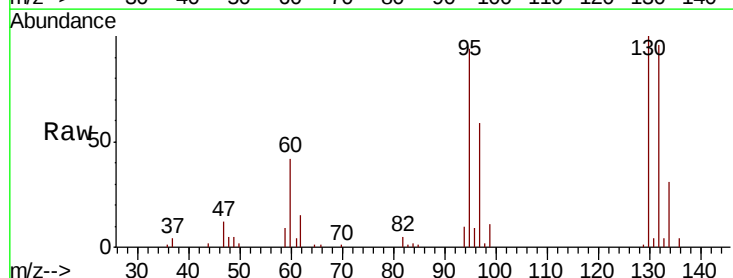


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

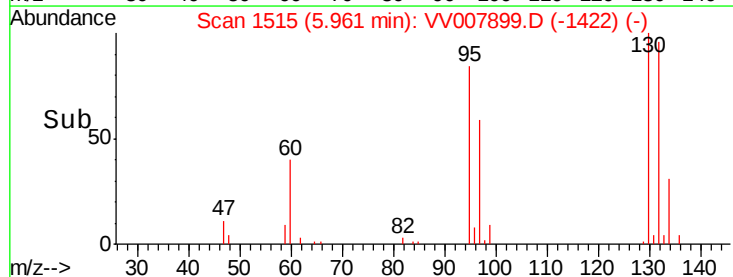
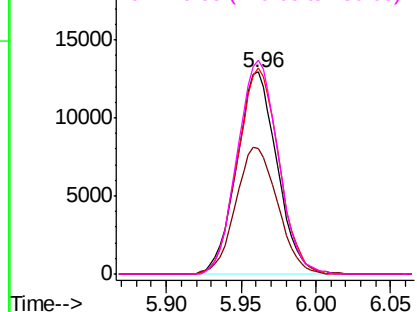


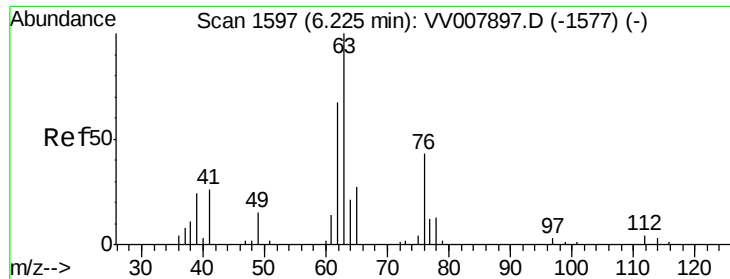
#34
Trichloroethene
Concen: 3.216 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. -0.00 min
Lab File: VV007899.D
Acq: 27 Sep 2018 10:59

Tgt Ion: 95 Resp: 24270
Ion Ratio Lower Upper
95 100
97 62.0 43.6 81.0
132 102.0 69.9 129.9
130 105.9 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

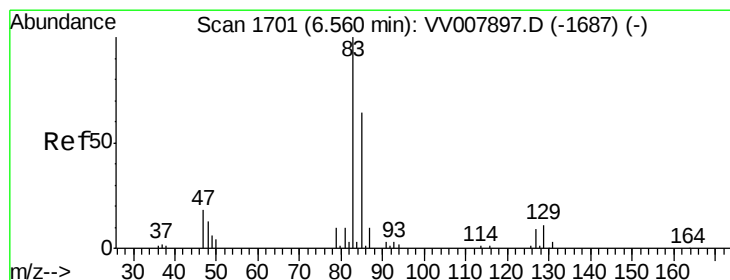
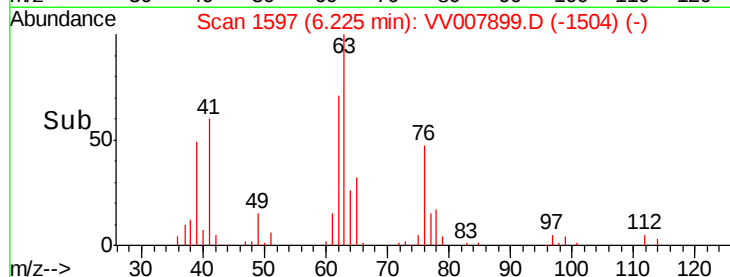
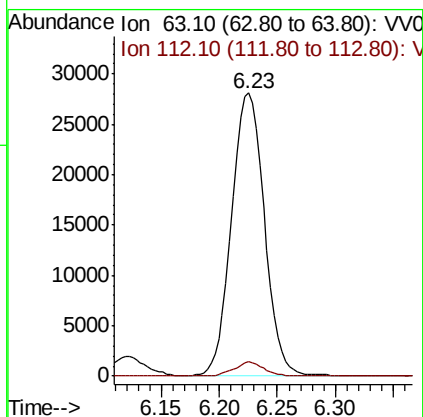
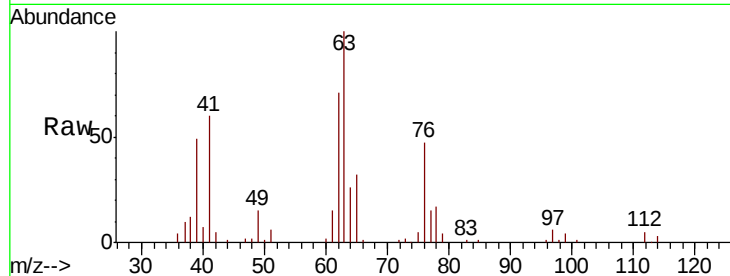




#37
 1,2-Dichloropropane
 Concen: 8.212 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV007899.D
 Acq: 27 Sep 2018 10:59

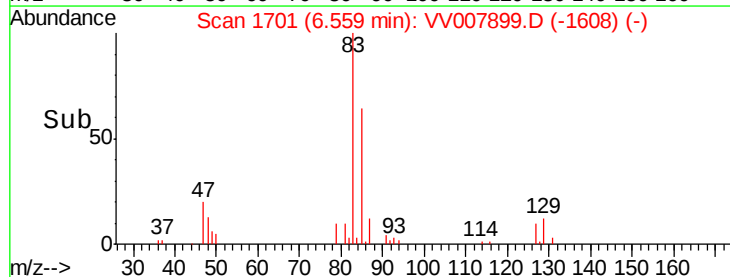
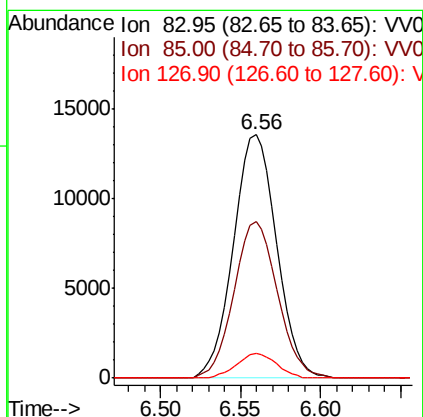
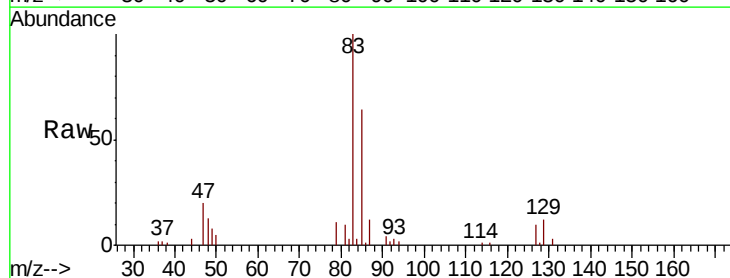
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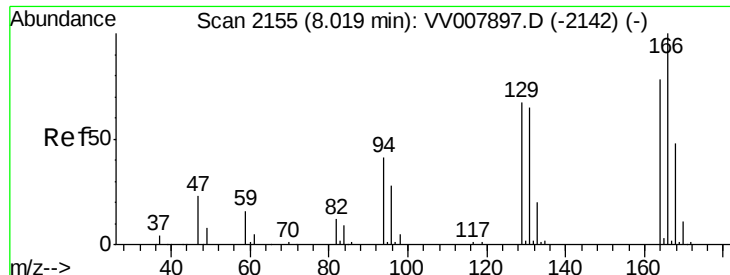
Tot Ion: 63 Resp: 55291
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.0



#38
 Bromodichloromethane
 Concen: 3.097 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV007899.D
 Acq: 27 Sep 2018 10:59

Tgt Ion: 83 Resp: 24937
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.7 82.9
 127 10.0 7.8 11.6





#47

Tetrachloroethene

Concen: 4.246 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV007899.D

Acq: 27 Sep 2018 10:59

Instrument :
MSVOA_V
ClientSampleId :
X2D94

Tot Ion:164 Resp: 29696

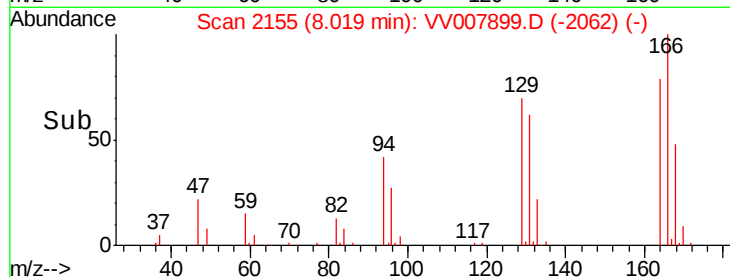
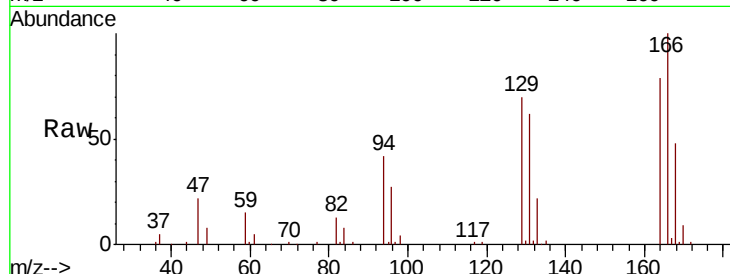
Ion Ratio Lower Upper

164 100

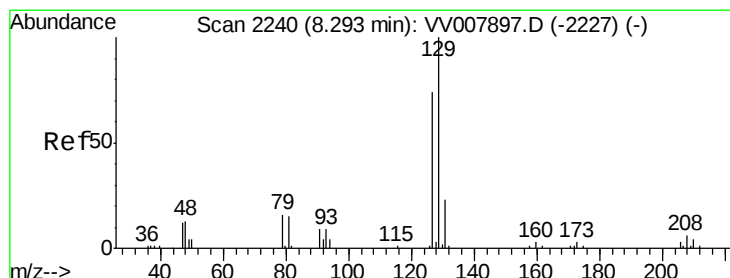
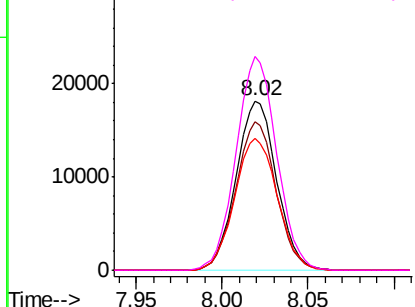
129 87.6 59.2 110.0

131 78.1 57.1 106.1

166 126.0 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: 10.317 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VV007899.D

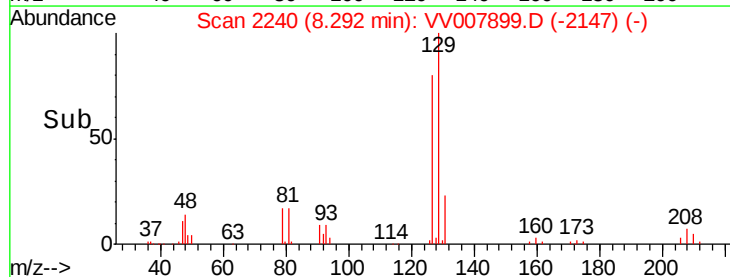
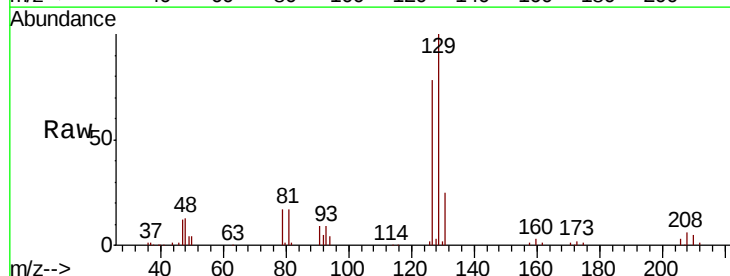
Acq: 27 Sep 2018 10:59

Tgt Ion:129 Resp: 57230

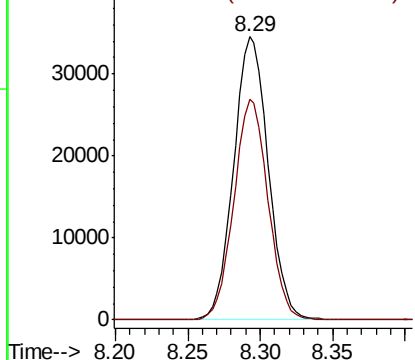
Ion Ratio Lower Upper

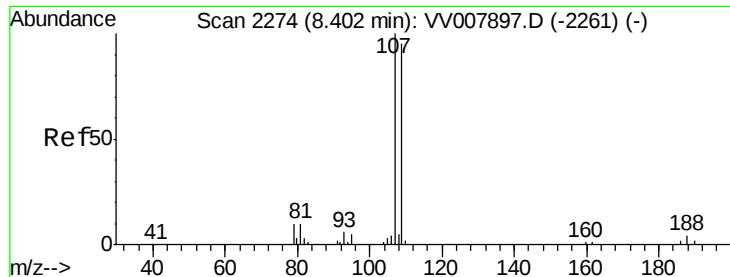
129 100

127 77.9 53.1 98.5



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





#50

1,2-Dibromoethane

Concen: 6.536 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VV007899.D

Acq: 27 Sep 2018 10:59

Instrument :

MSVOA_V

ClientSampleId :

X2D94

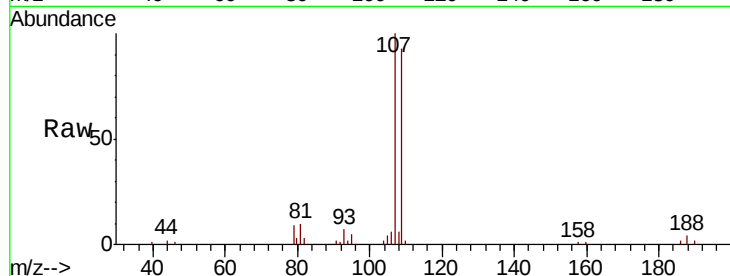
Tot Ion:107 Resp: 29032

Ion Ratio Lower Upper

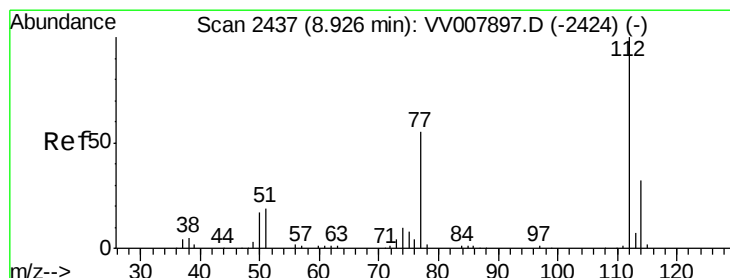
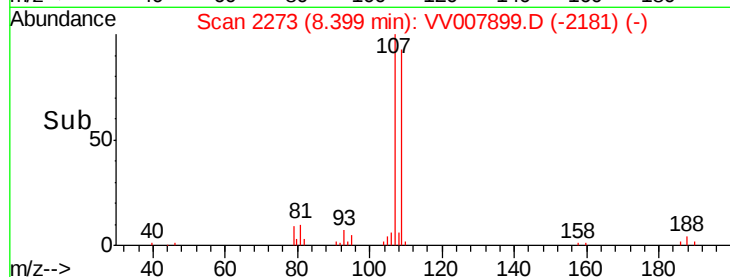
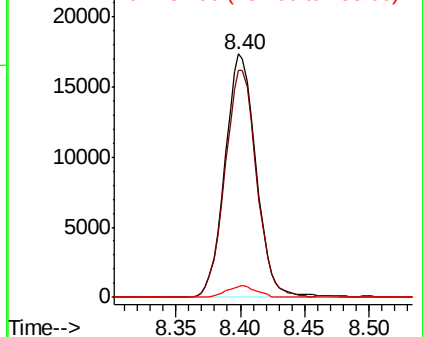
107 100

109 93.0 64.9 120.5

188 4.4 4.0 6.0



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 19.203 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV007899.D

Acq: 27 Sep 2018 10:59

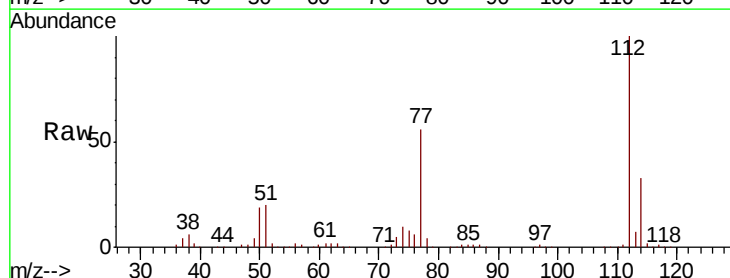
Tgt Ion:112 Resp: 380710

Ion Ratio Lower Upper

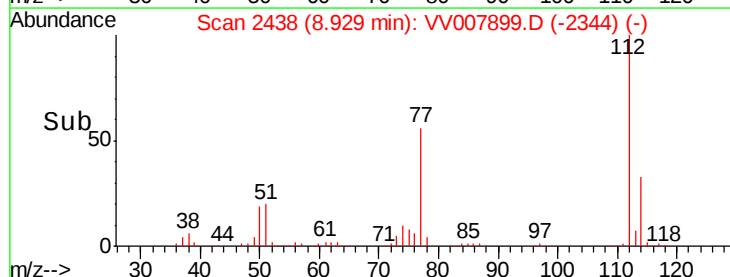
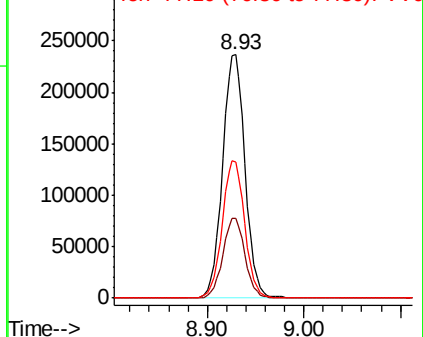
112 100

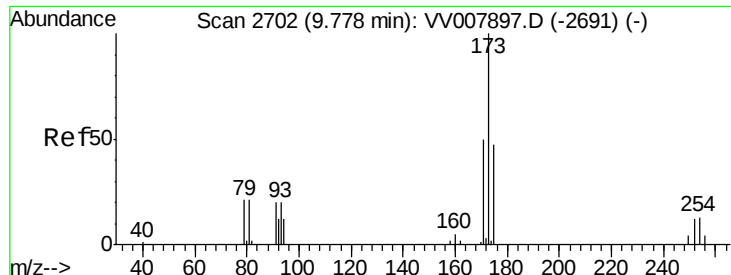
114 32.8 22.4 41.6

77 56.0 45.0 67.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

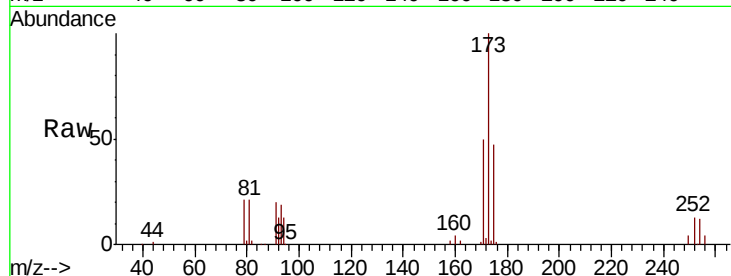




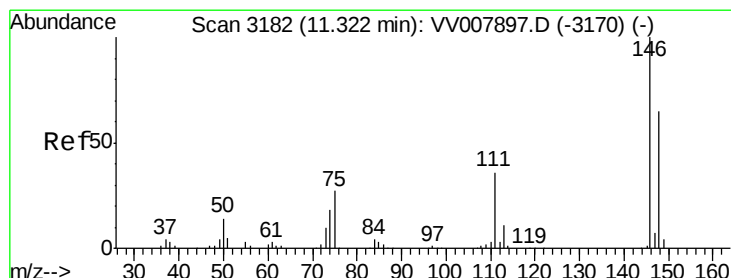
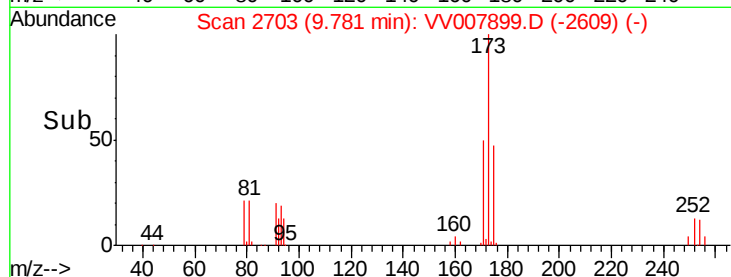
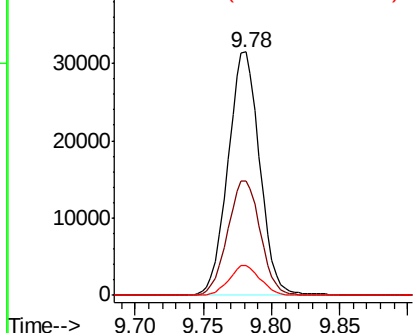
#61
Bromoform
Concen: 17.736 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.00 min
Lab File: VV007899.D
Acq: 27 Sep 2018 10:59

Instrument :
MSVOA_V
ClientSampleId :
X2D94

Tot Ion:173 Resp: 50898
Ion Ratio Lower Upper
173 100
175 48.2 41.0 61.6
254 12.0 9.6 14.4

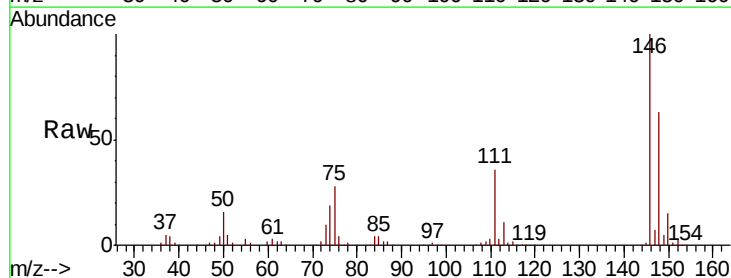


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

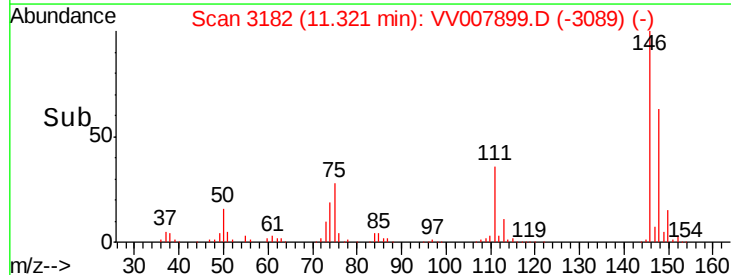
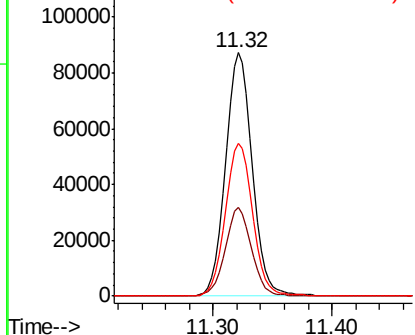


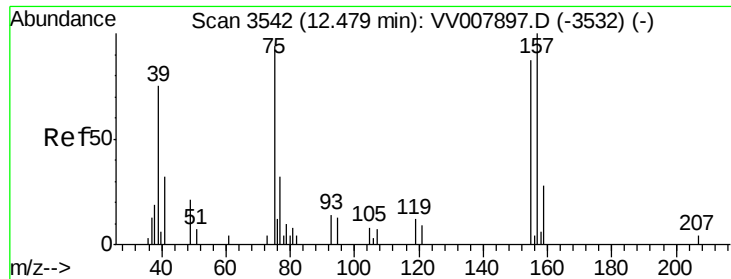
#63
1,4-Dichlorobenzene
Concen: 8.263 ug/L
RT: 11.32 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VV007899.D
Acq: 27 Sep 2018 10:59

Tgt Ion:146 Resp: 135522
Ion Ratio Lower Upper
146 100
111 36.3 25.3 47.1
148 62.8 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#66

1,2-Dibromo-3-chloropropane

Concen: 11.682 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV007899.D

Acq: 27 Sep 2018 10:59

Instrument :

MSVOA_V

ClientSampleId :

X2D94

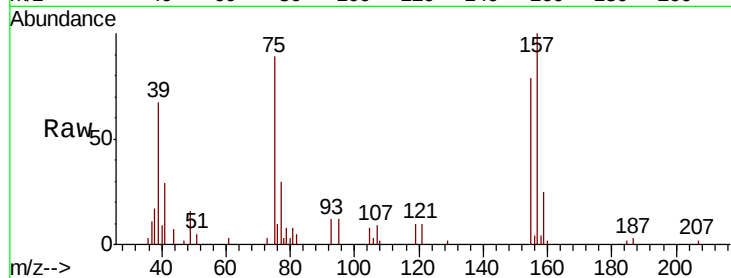
Tot Ion: 75 Resp: 8849

Ion Ratio Lower Upper

75 100

155 88.2 83.4 125.2

157 112.0 93.9 140.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

