

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081318\
 Data File : VV006999.D
 Acq On : 13 Aug 2018 09:46
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 14 05:31:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 11 00:19:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	276531	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	262221	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	121835	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69531	3.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.00%
7) Chloroethane-d5	1.58	69	63448	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.13	63	135407	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	3.97	46	245813	47.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.78%
24) Chloroform-d	4.40	84	163226	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.09	65	82275	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	5.10	84	297205	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.12	67	102351	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.36	98	261861	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	7.67	79	35243	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.14	63	139375	42.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.08%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	81633	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	90867	4.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	126498	4.697 ug/L	98
3) Chloromethane	1.25	50	115289	4.448 ug/L	98
5) Vinyl chloride	1.32	62	121993	4.555 ug/L	100
6) Bromomethane	1.54	94	28828	4.959 ug/L	100
8) Chloroethane	1.60	64	74403	4.578 ug/L	99
9) Trichlorofluoromethane	1.77	101	159164	4.670 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	98309	4.806 ug/L	98
12) 1,1-Dichloroethene	2.14	96	90403	4.553 ug/L	87
13) Acetone	2.21	43	137419	51.989 ug/L	99
14) Carbon disulfide	2.32	76	299035	4.562 ug/L	100
15) Methyl Acetate	2.47	43	34493	4.637 ug/L	94
16) Methylene chloride	2.54	84	101028	4.220 ug/L	95
17) Methyl tert-butyl Ether	2.81	73	212371	4.460 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	99404	4.675 ug/L	96
19) 1,1-Dichloroethane	3.23	63	205672	5.358 ug/L	98
21) 2-Butanone	4.05	43	283733	49.440 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	109678	4.546 ug/L	98

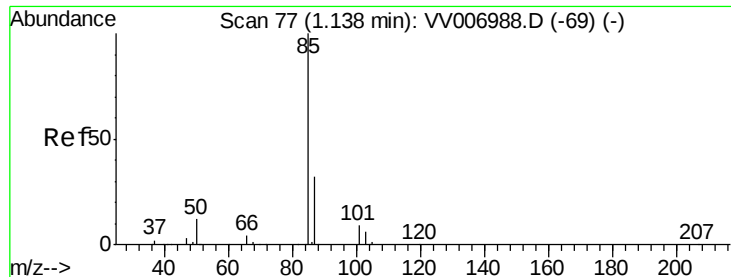
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081318\
 Data File : VV006999.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 11 00:19:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	46243	4.702	ug/L	94
25) Chloroform	4.43	83	194453	4.630	ug/L	99
27) 1,2-Dichloroethane	5.19	62	115888	4.424	ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	166736	4.769	ug/L	99
30) Cyclohexane	4.72	56	169839	4.667	ug/L	98
31) Carbon tetrachloride	4.88	117	142281	4.852	ug/L	99
33) Benzene	5.15	78	438484	4.827	ug/L	100
34) Trichloroethene	5.96	95	103776	4.764	ug/L	96
35) Methylcyclohexane	6.18	83	167816	4.799	ug/L	99
37) 1,2-Dichloropropane	6.22	63	117593	4.729	ug/L	98
38) Bromodichloromethane	6.56	83	133781	4.735	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	139718	4.651	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	617916	46.002	ug/L	99
42) Toluene	7.43	91	440307	5.044	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	119012	4.827	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	72492	4.481	ug/L	92
47) Tetrachloroethene	8.02	164	85811	4.859	ug/L	96
48) 2-Hexanone	8.20	43	462745	48.846	ug/L	97
49) Dibromochloromethane	8.30	129	84065	4.954	ug/L	98
50) 1,2-Dibromoethane	8.40	107	65583	4.799	ug/L #	96
51) Chlorobenzene	8.93	112	268855	4.832	ug/L	99
52) Ethylbenzene	9.06	91	424429	4.869	ug/L	99
53) m,p-xylene	9.19	106	161931	4.983	ug/L	100
54) o-xylene	9.59	106	150406	4.885	ug/L	99
55) Styrene	9.61	104	263644	5.080	ug/L	98
56) Isopropylbenzene	9.98	105	404767	5.011	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	88438	4.498	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	65501	4.706	ug/L	99
61) Bromoform	9.78	173	44511	4.824	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	188673	4.786	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	194360	4.810	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	184300	4.753	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11596	4.212	ug/L	92
67) 1,3,5-Trichlorobenzene	12.70	180	145809	4.887	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	105772	4.830	ug/L	98
69) Naphthalene	13.56	128	129975	4.133	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	100064	4.741	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.697 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

Instrument :

MSVOA_V

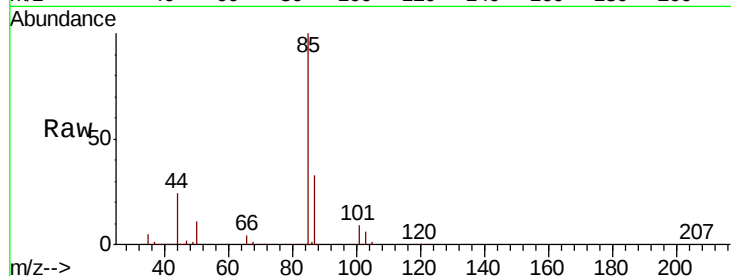
ClientSampleId :

Tot Ion: 85 Resp: 126498

Ion Ratio Lower Upper

85 100

87 33.0 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV006988.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV006988.D (-69) (-)

1.14

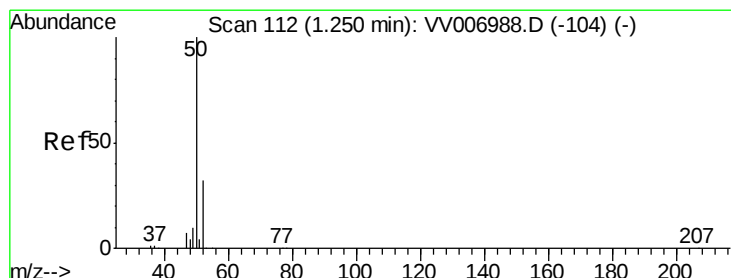
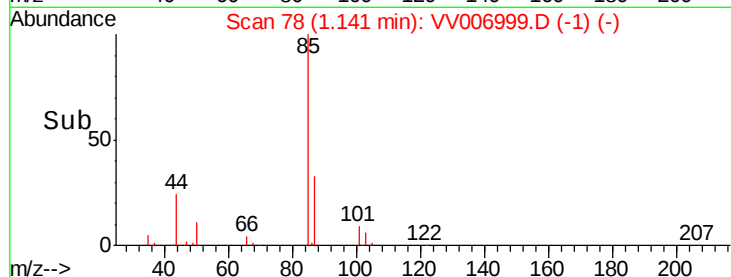
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.448 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV006999.D

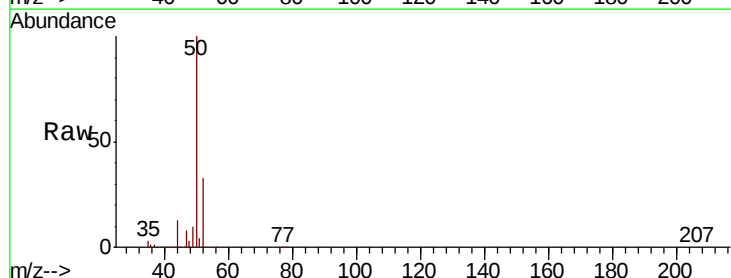
Acq: 13 Aug 2018 09:46

Tgt Ion: 50 Resp: 115289

Ion Ratio Lower Upper

50 100

52 32.6 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VV006988.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV006988.D (-104) (-)

1.25

120000

100000

80000

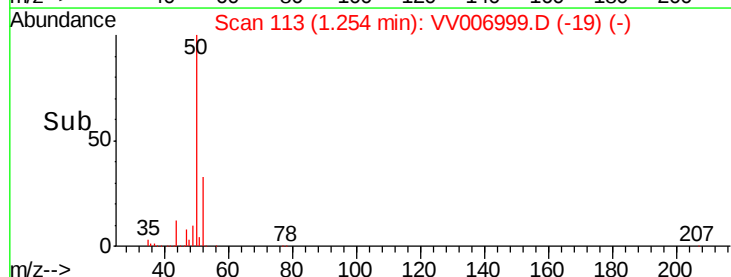
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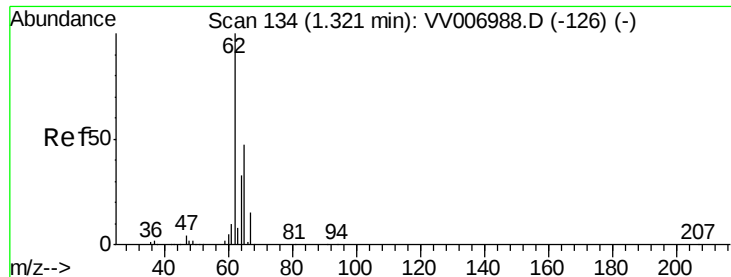
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 4.555 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

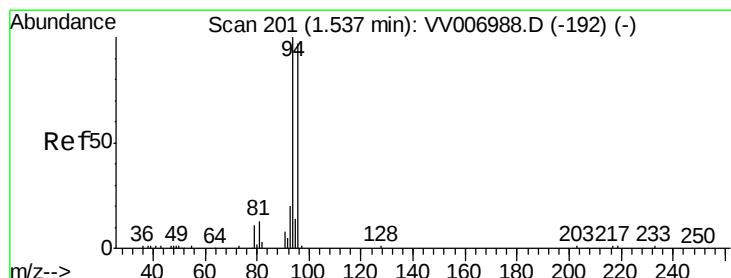
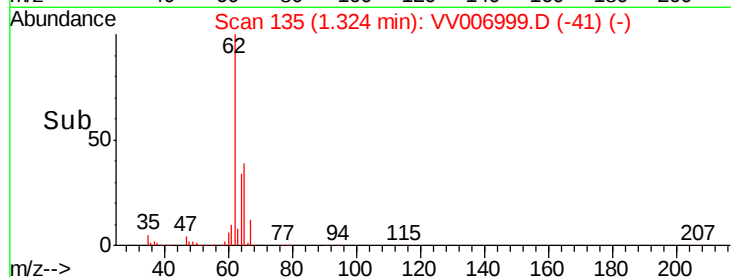
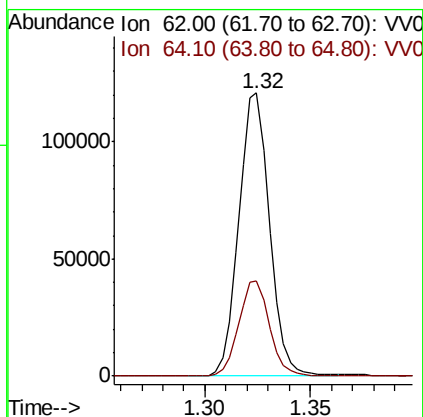
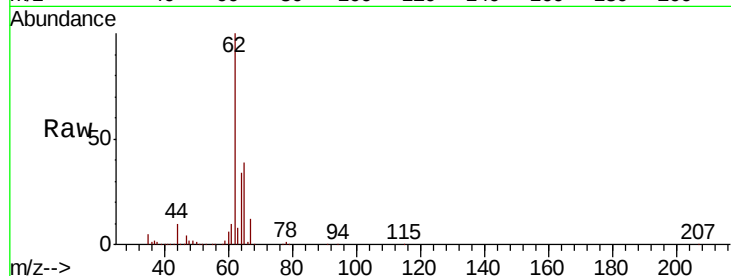
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 121993

Ion Ratio Lower Upper

62 100

64 33.7 23.5 43.7



#6

Bromomethane

Concen: 4.959 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV006999.D

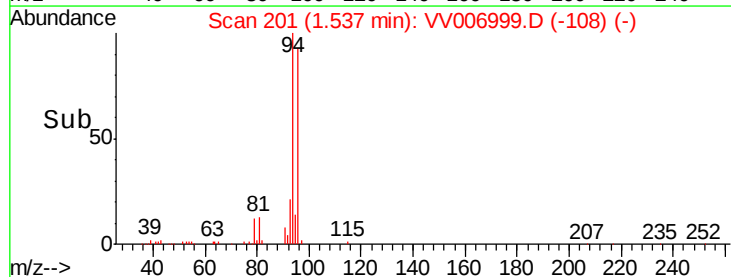
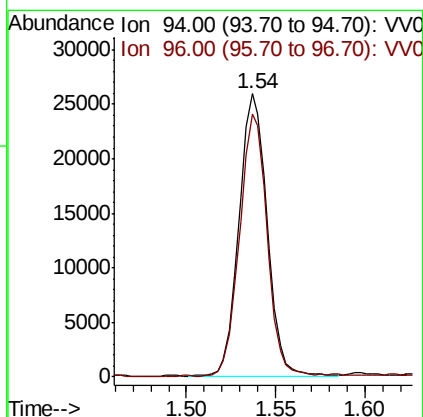
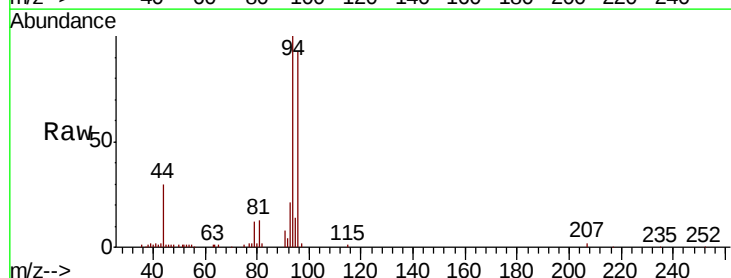
Acq: 13 Aug 2018 09:46

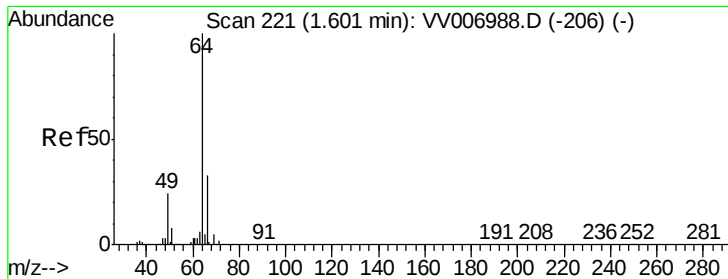
Tgt Ion: 94 Resp: 28828

Ion Ratio Lower Upper

94 100

96 92.9 65.0 120.6





#8

Chloroethane

Concen: 4.578 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

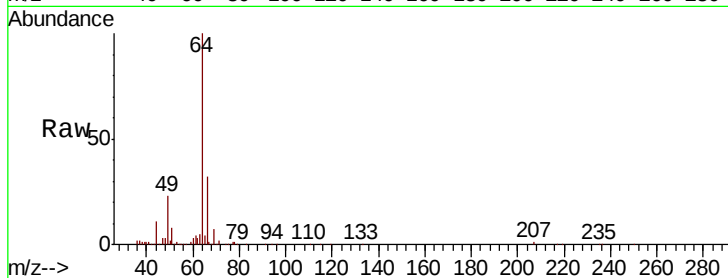
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 74403

Ion Ratio Lower Upper

64 100

66 31.9 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VV006988.D (-206) (-)

Ion 66.05 (65.75 to 66.75): VV006999.D (-128) (-)

1.60

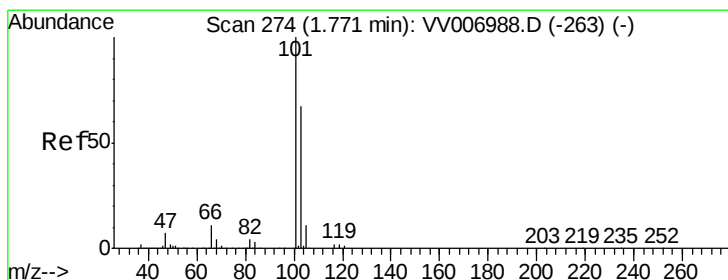
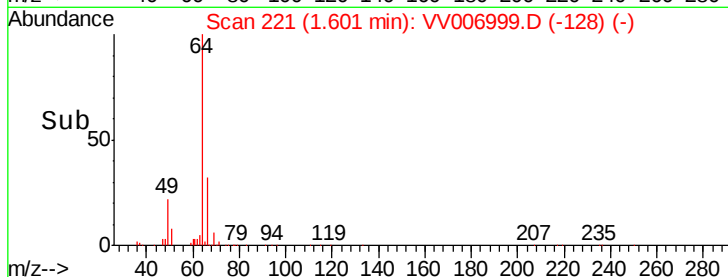
60000

40000

20000

0

Time--> 1.50 1.60 1.70



#9

Trichlorofluoromethane

Concen: 4.670 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006999.D

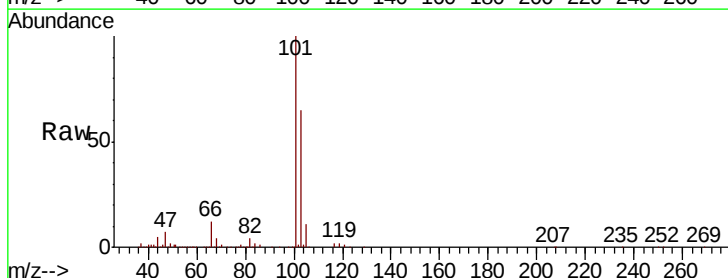
Acq: 13 Aug 2018 09:46

Tgt Ion: 101 Resp: 159164

Ion Ratio Lower Upper

101 100

103 65.1 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VV006988.D (-263) (-)

Ion 103.00 (102.70 to 103.70): VV006999.D (-181) (-)

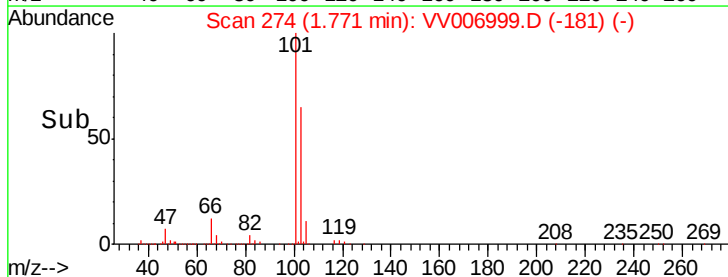
1.77

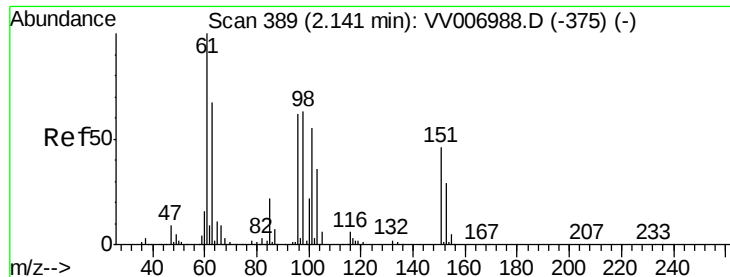
100000

50000

0

Time--> 1.70 1.75 1.80





#10

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

Concen: 4.806 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

Instrument :

MSVOA_V

ClientSampleId :

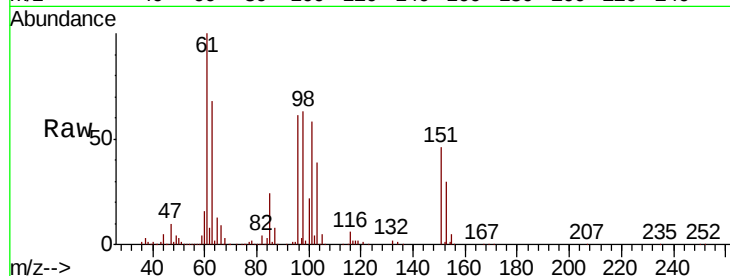
Tot Ion:101 Resp: 98309

Ion Ratio Lower Upper

101 100

85 40.5 33.9 50.9

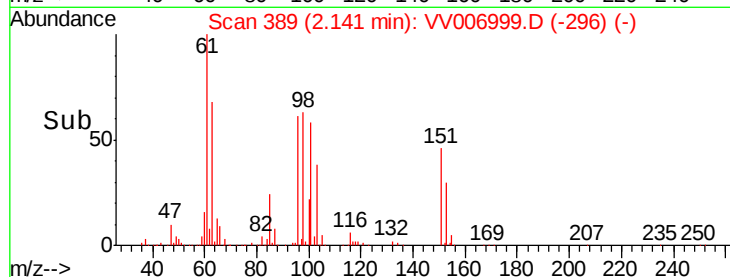
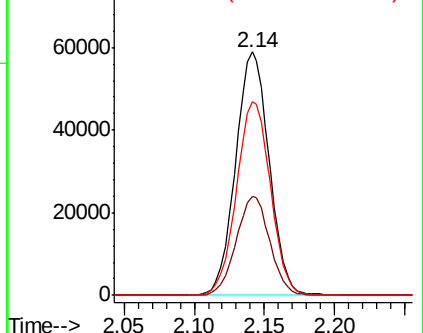
151 80.8 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): VV006988.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VV006988.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VV006988.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 4.553 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

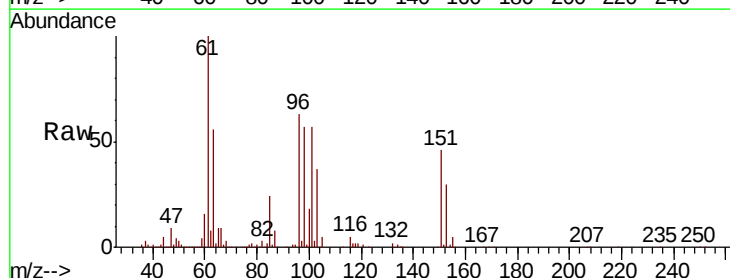
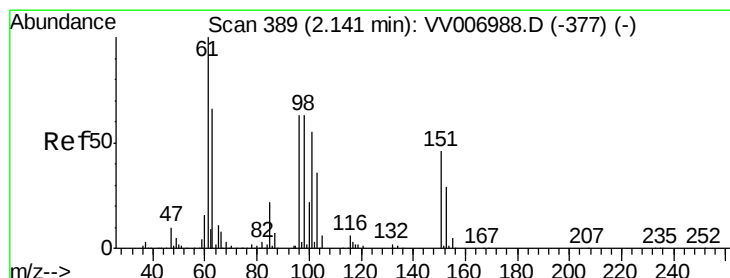
Tgt Ion: 96 Resp: 90403

Ion Ratio Lower Upper

96 100

61 158.6 111.6 207.4

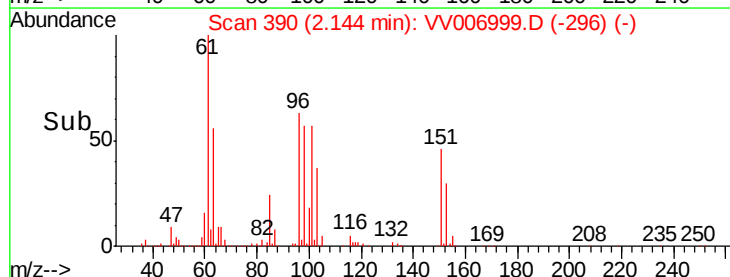
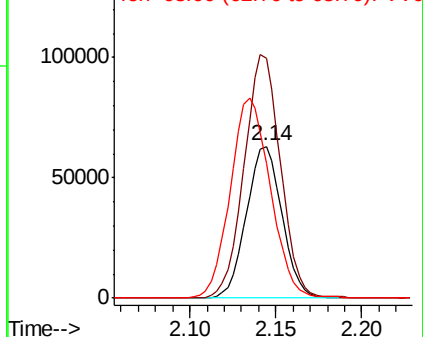
63 89.4 84.9 157.7

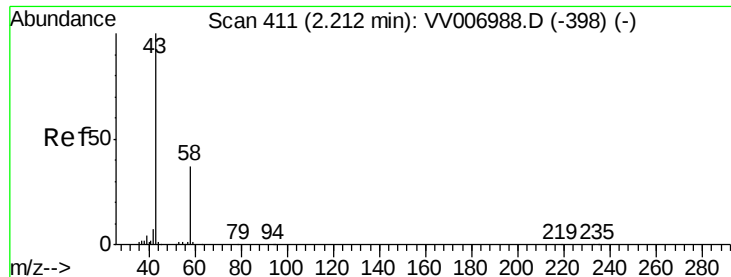


Abundance Ion 96.00 (95.70 to 96.70): VV006988.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VV006988.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VV006988.D (-377) (-)





#13

Acetone

Concen: 51.989 ug/L

RT: 2.21 min Scan# 410

Delta R.T. -0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

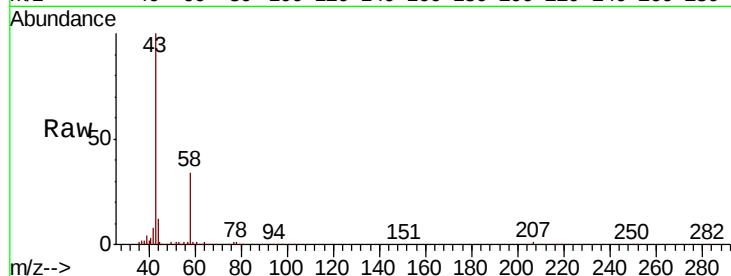
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 137419

Ion Ratio Lower Upper

43 100

58 34.9 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV006988.D (-398) (-)

Ion 58.05 (57.75 to 58.75): VV006988.D (-398) (-)

2.21

60000

50000

40000

30000

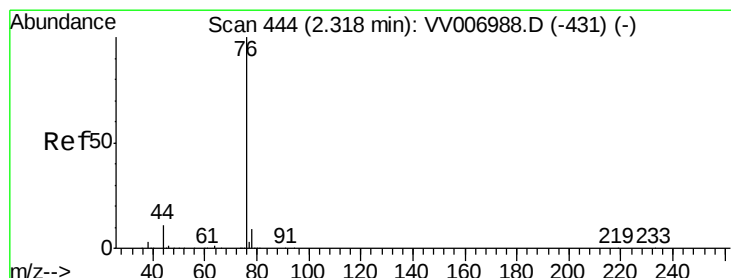
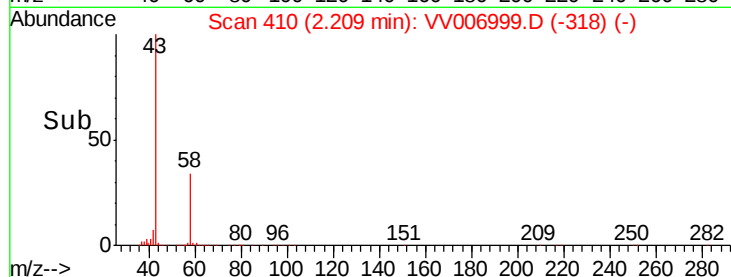
20000

10000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 4.562 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006999.D

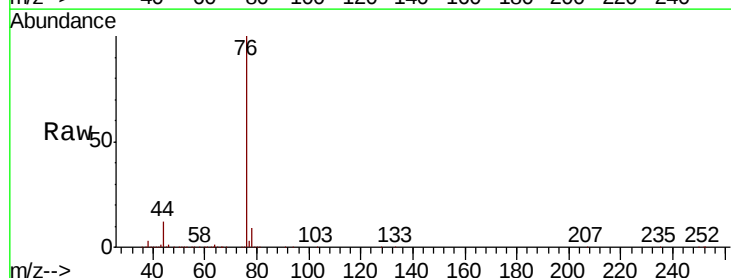
Acq: 13 Aug 2018 09:46

Tgt Ion: 76 Resp: 299035

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV006988.D (-431) (-)

Ion 78.00 (77.70 to 78.70): VV006988.D (-431) (-)

2.32

200000

150000

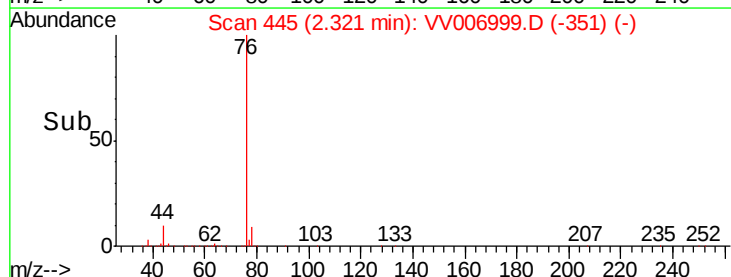
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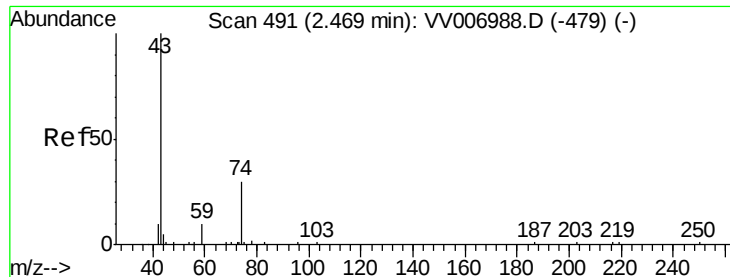
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Time-->

2.25 2.30 2.35 2.40

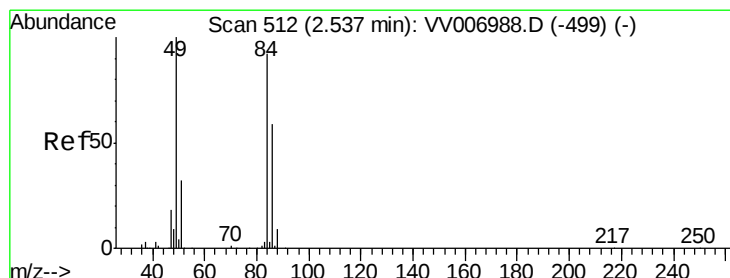
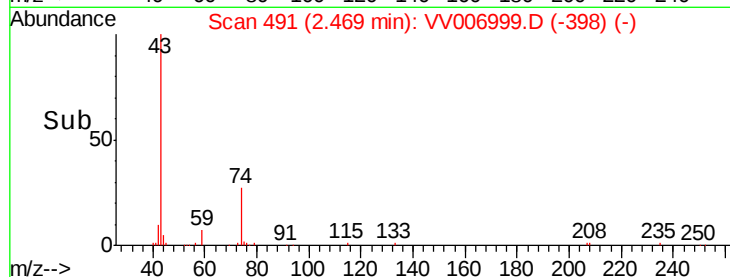
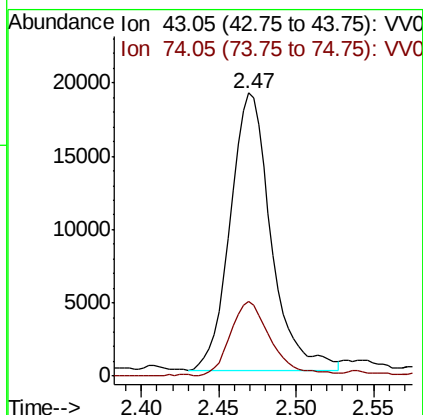
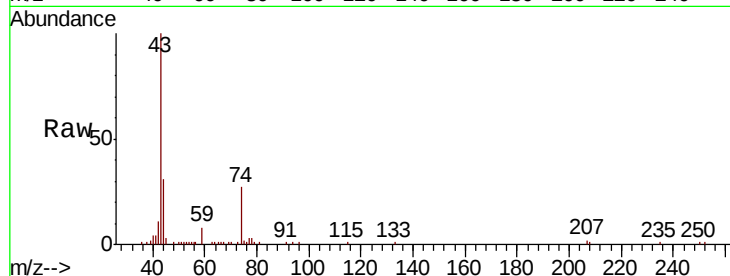




#15
Methyl Acetate
Concen: 4.637 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV006999.D
Acq: 13 Aug 2018 09:46

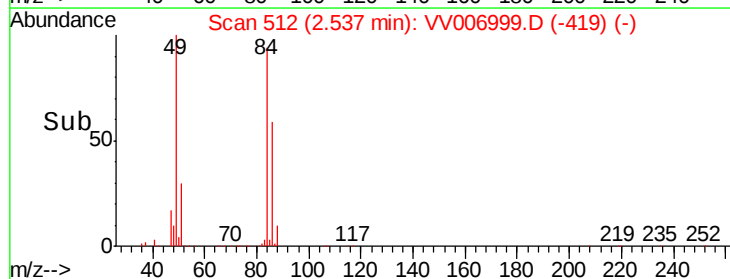
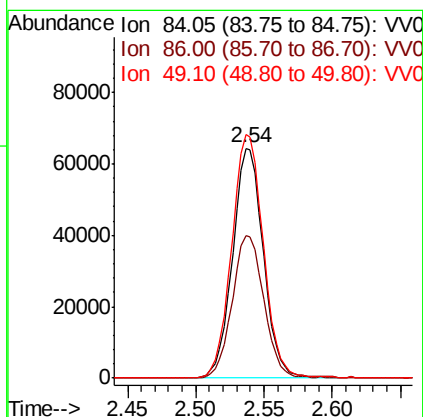
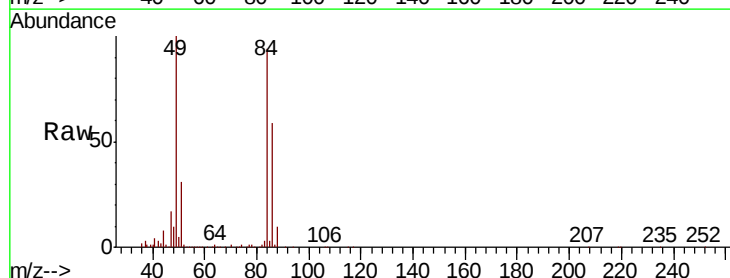
Instrument :
MSVOA_V
ClientSampled :

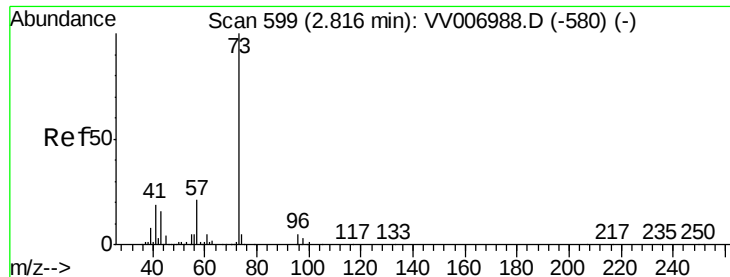
Tot Ion: 43 Resp: 34493
Ion Ratio Lower Upper
43 100
74 27.3 24.6 37.0



#16
Methylene chloride
Concen: 4.220 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV006999.D
Acq: 13 Aug 2018 09:46

Tgt Ion: 84 Resp: 101028
Ion Ratio Lower Upper
84 100
86 62.3 45.7 84.9
49 106.1 78.8 146.4



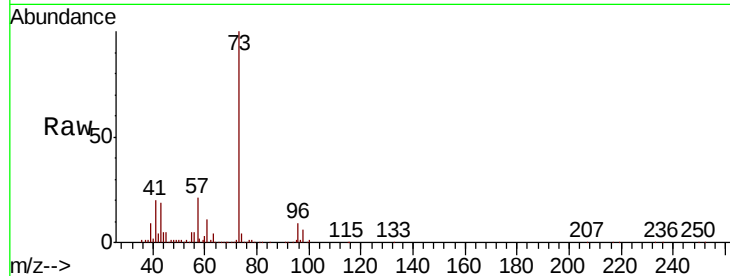


#17

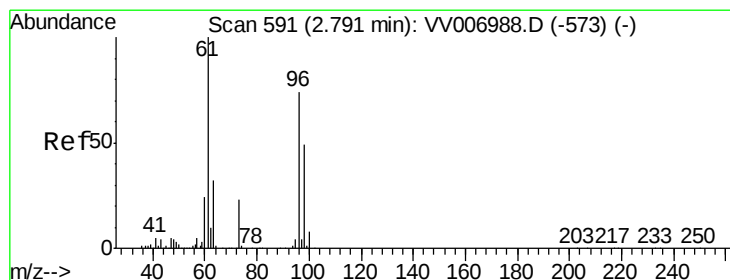
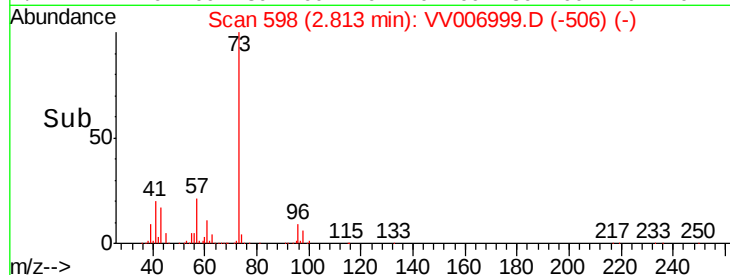
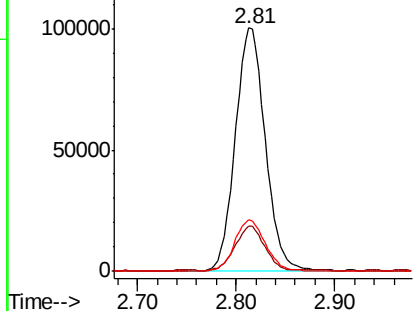
Methvl tert-butvl Ether
 Concen: 4.460 ug/L
 RT: 2.81 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VV006999.D
 Acq: 13 Aug 2018 09:46

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 73 Resp: 212371
 Ion Ratio Lower Upper
 73 100
 43 17.8 14.4 21.6
 57 21.7 17.9 26.9



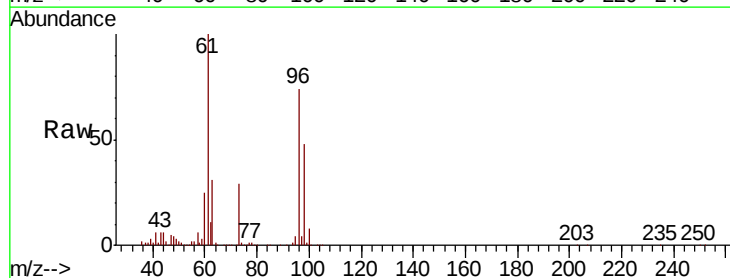
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



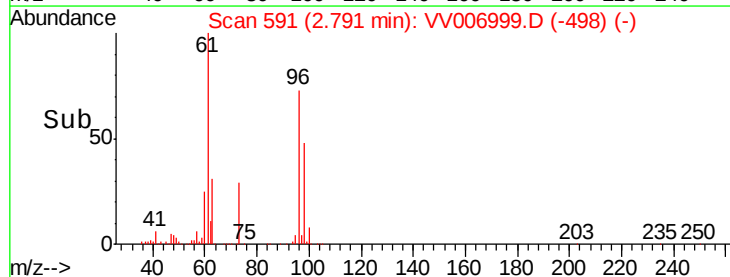
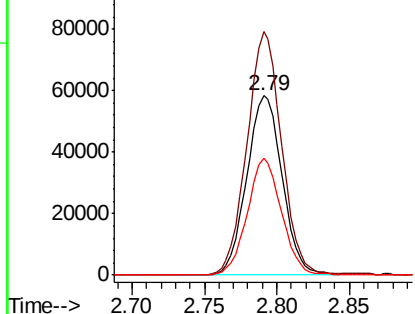
#18

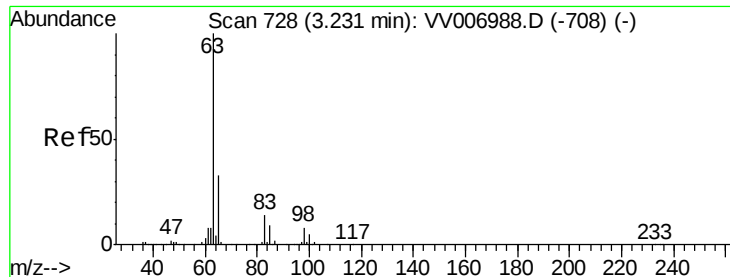
trans-1,2-Dichloroethene
 Concen: 4.675 ug/L
 RT: 2.79 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: VV006999.D
 Acq: 13 Aug 2018 09:46

Tgt Ion: 96 Resp: 99404
 Ion Ratio Lower Upper
 96 100
 61 135.8 91.1 169.3
 98 64.9 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 5.358 ug/L

RT: 3.23 min Scan# 727

Delta R.T. -0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

Instrument :

MSVOA_V

ClientSampled :

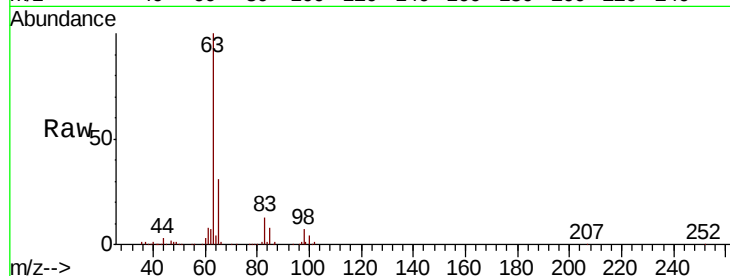
Tot Ion: 63 Resp: 205672

Ion Ratio Lower Upper

63 100

65 30.7 21.7 40.3

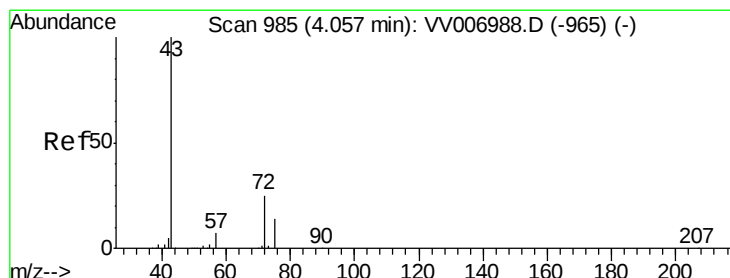
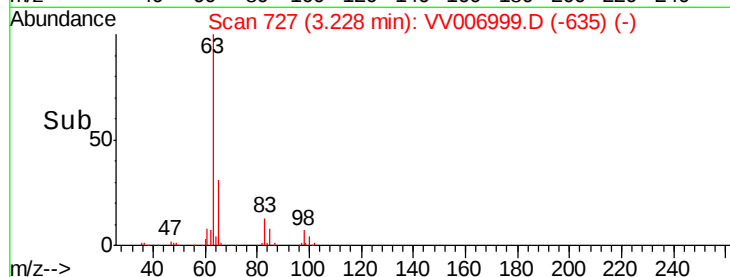
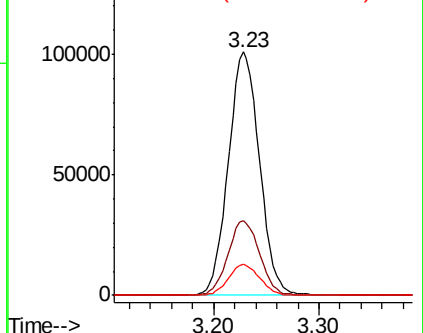
83 12.6 10.0 18.6



Abundance Ion 63.10 (62.80 to 63.80): VV006988.D (-708) (-)

Ion 65.10 (64.80 to 65.80): VV006988.D (-708) (-)

Ion 83.05 (82.75 to 83.75): VV006988.D (-708) (-)



#21

2-Butanone

Concen: 49.440 ug/L

RT: 4.05 min Scan# 983

Delta R.T. -0.01 min

Lab File: VV006999.D

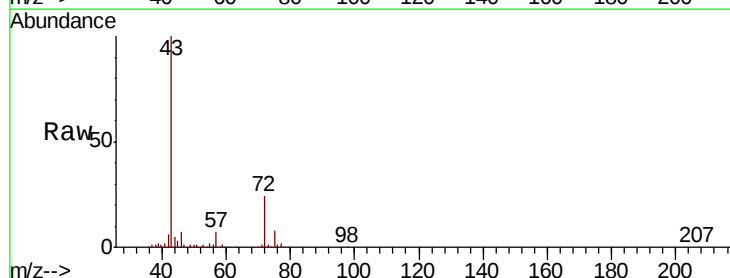
Acq: 13 Aug 2018 09:46

Tgt Ion: 43 Resp: 283733

Ion Ratio Lower Upper

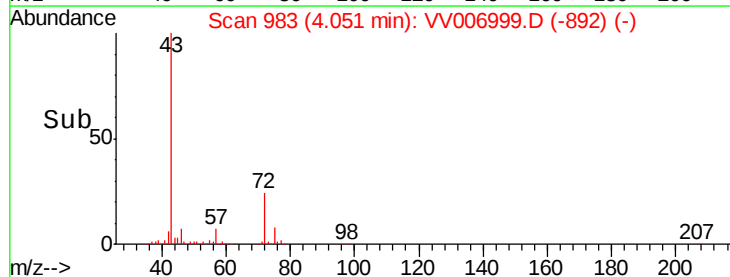
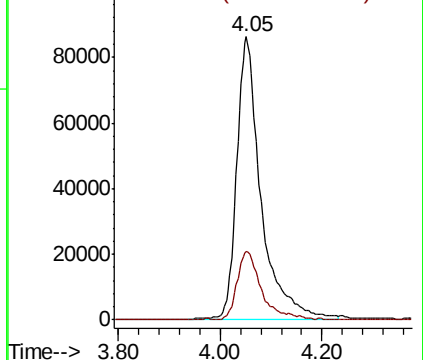
43 100

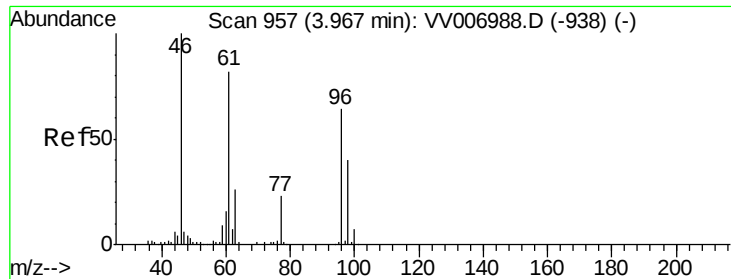
72 23.7 12.4 37.2



Abundance Ion 43.05 (42.75 to 43.75): VV006988.D (-965) (-)

Ion 72.10 (71.80 to 72.80): VV006988.D (-965) (-)



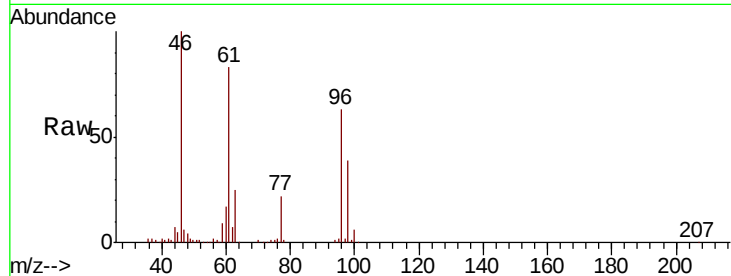


#22

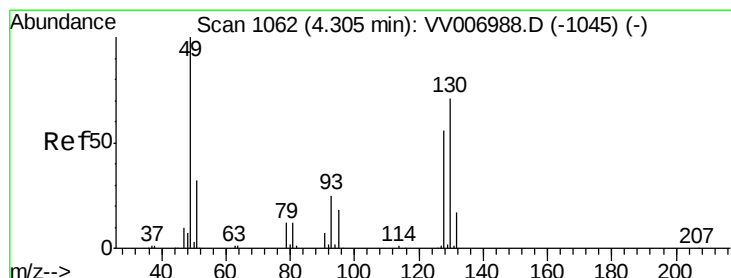
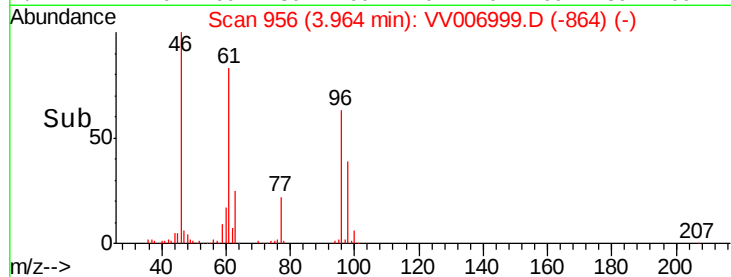
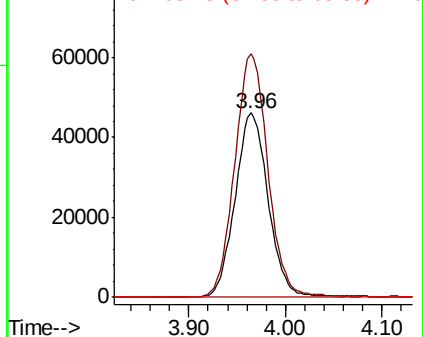
cis-1,2-Dichloroethene
Concen: 4.546 ug/L
RT: 3.96 min Scan# 956
Delta R.T. -0.00 min
Lab File: VV006999.D
Acq: 13 Aug 2018 09:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 109678
Ion Ratio Lower Upper
96 100
61 132.2 91.1 169.1
68 0.0 0.0 0.0



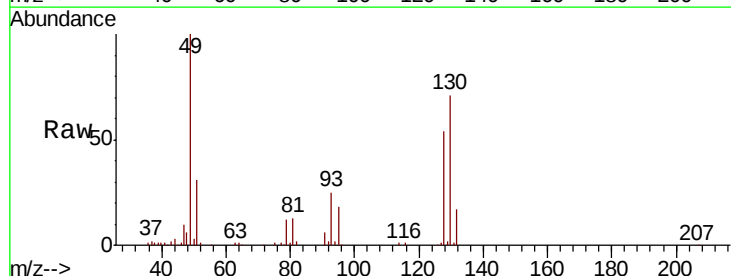
Abundance Ion 96.00 (95.70 to 96.70): VV006999.D (-964) (-)
Ion 61.05 (60.75 to 61.75): VV006999.D (-964) (-)
Ion 68.15 (67.85 to 68.85): VV006999.D (-964) (-)



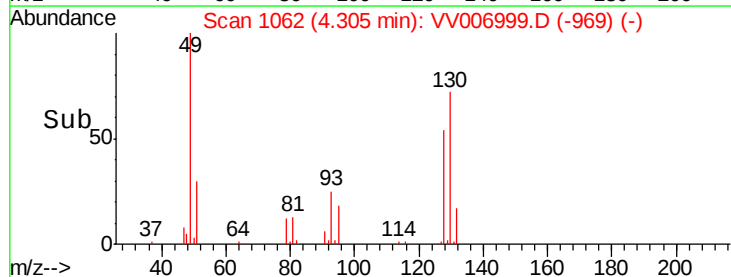
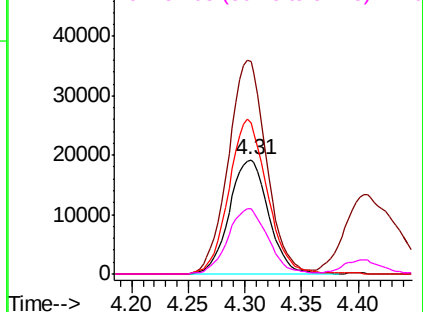
#23

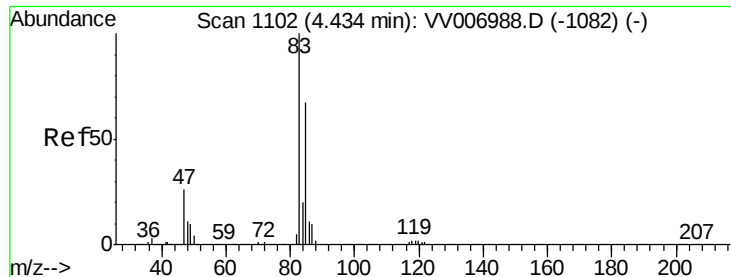
Bromochloromethane
Concen: 4.702 ug/L
RT: 4.31 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV006999.D
Acq: 13 Aug 2018 09:46

Tgt Ion: 128 Resp: 46243
Ion Ratio Lower Upper
128 100
49 185.5 138.6 257.4
130 132.3 90.0 167.2
51 56.8 46.9 70.3



Abundance Ion 127.90 (127.60 to 128.60): VV006999.D (-969) (-)
Ion 49.10 (48.80 to 49.80): VV006999.D (-969) (-)
Ion 129.95 (129.65 to 130.65): VV006999.D (-969) (-)
Ion 51.05 (50.75 to 51.75): VV006999.D (-969) (-)

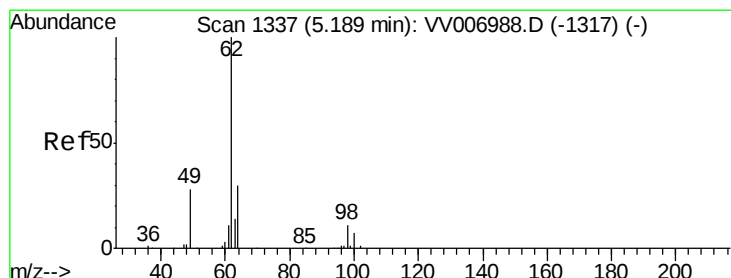
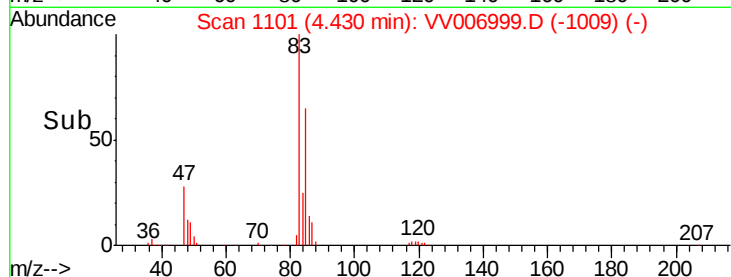
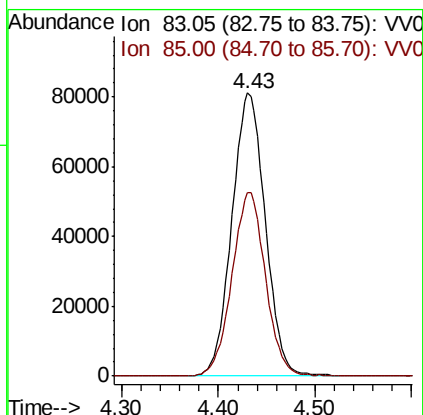
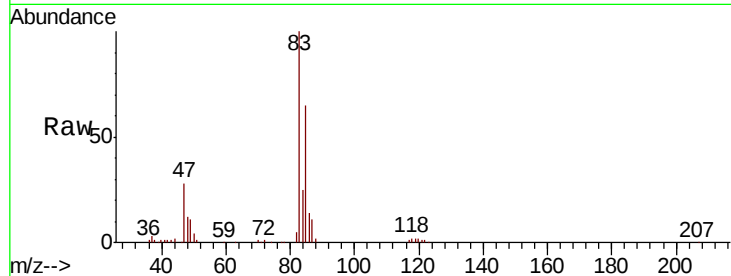




#25
Chloroform
Concen: 4.630 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV006999.D
Acq: 13 Aug 2018 09:46

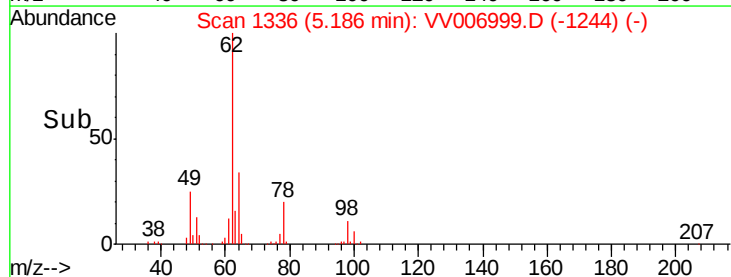
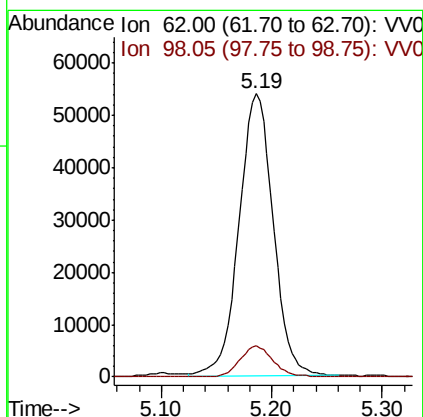
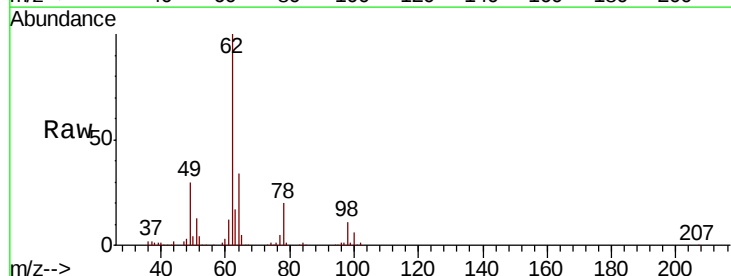
Instrument :
MSVOA_V
ClientSampleId :

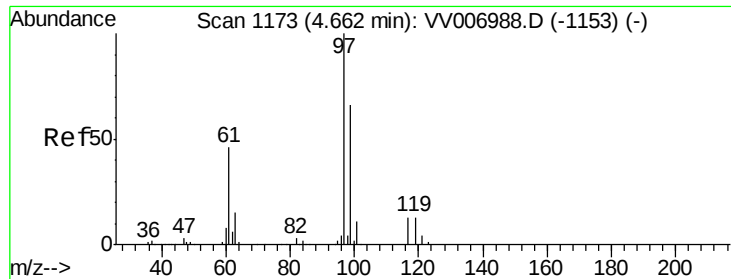
Tot Ion: 83 Resp: 194453
Ion Ratio Lower Upper
83 100
85 64.9 44.7 82.9



#27
1,2-Dichloroethane
Concen: 4.424 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006999.D
Acq: 13 Aug 2018 09:46

Tgt Ion: 62 Resp: 115888
Ion Ratio Lower Upper
62 100
98 10.9 7.6 11.4

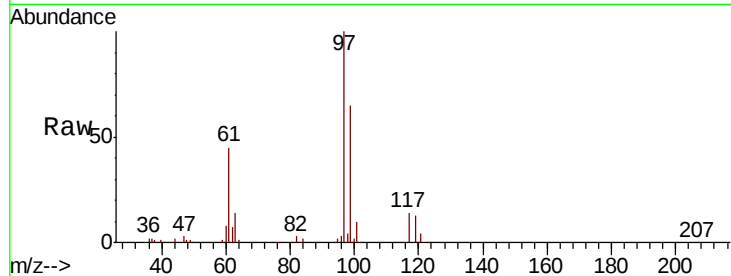




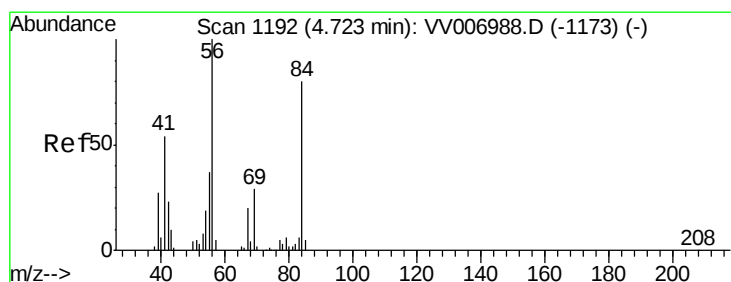
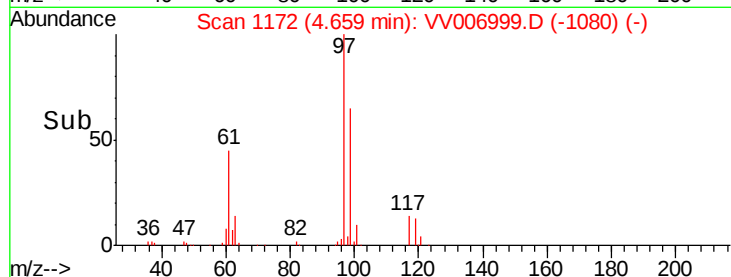
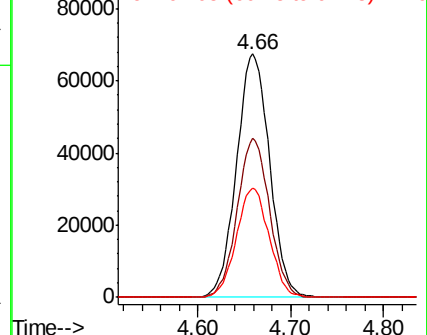
#29
 1,1,1-Trichloroethane
 Concen: 4.769 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV006999.D
 Acq: 13 Aug 2018 09:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	97	Resp	166736
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	44.7	36.6	54.8

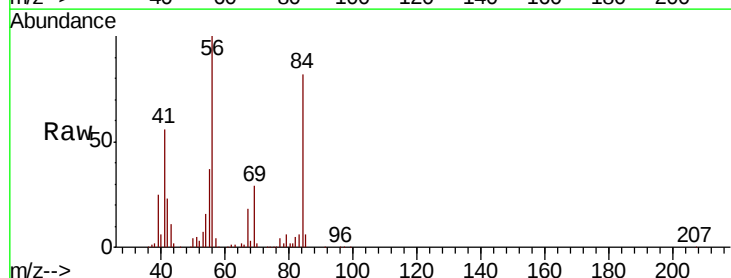


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

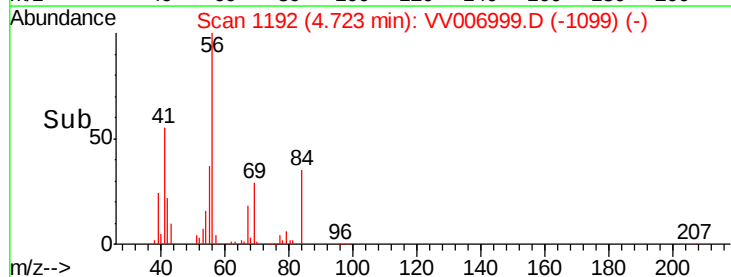
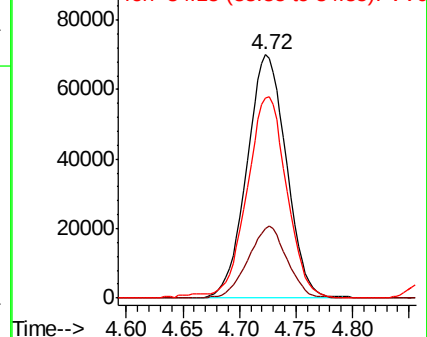


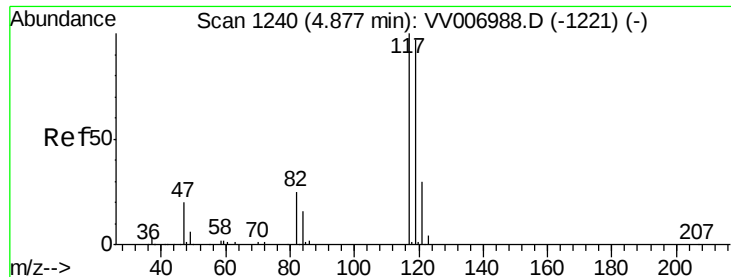
#30
 Cyclohexane
 Concen: 4.667 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VV006999.D
 Acq: 13 Aug 2018 09:46

Tgt Ion	56	Resp	169839
Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.8	35.6
84	83.2	67.9	101.9



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.852 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

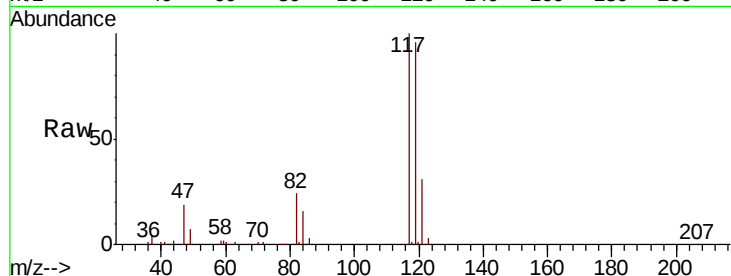
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 142281

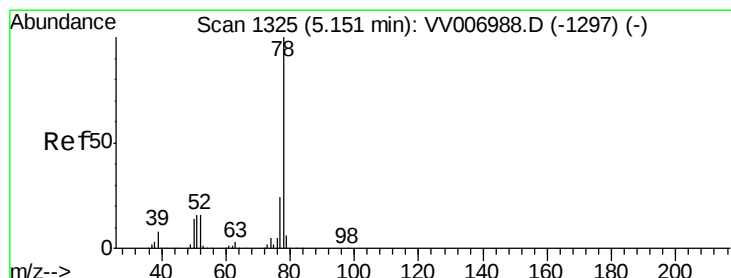
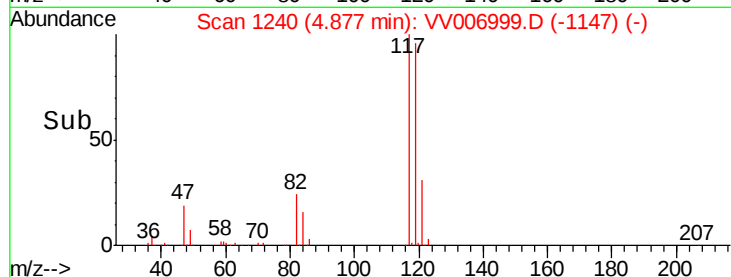
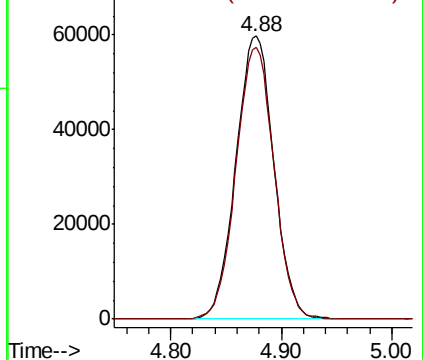
Ion Ratio Lower Upper

117 100

119 96.5 76.2 114.4



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



#33

Benzene

Concen: 4.827 ug/L

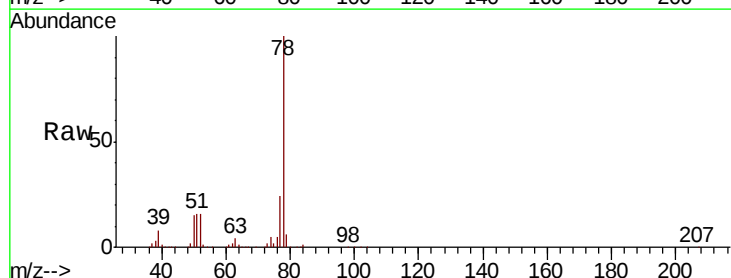
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

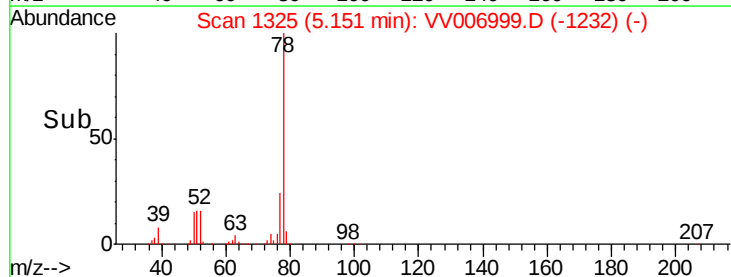
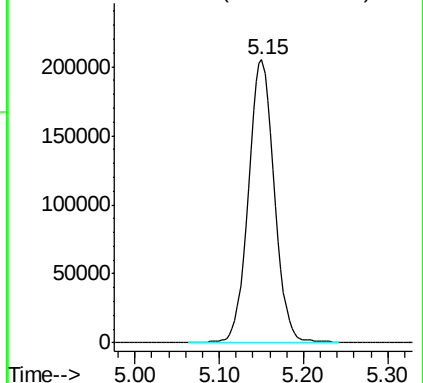
Lab File: VV006999.D

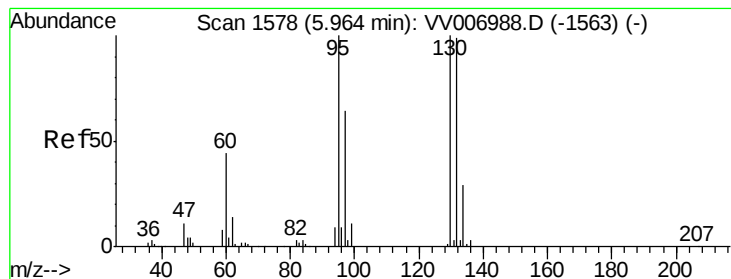
Acq: 13 Aug 2018 09:46

Tgt Ion: 78 Resp: 438484



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.764 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 103776

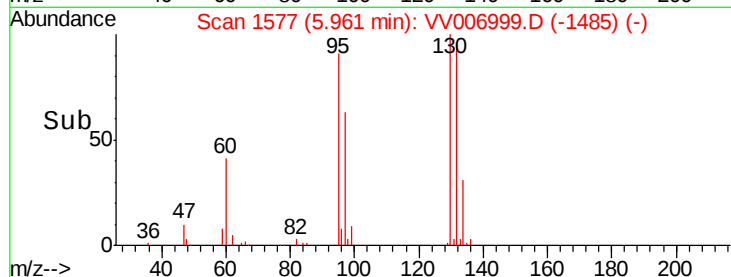
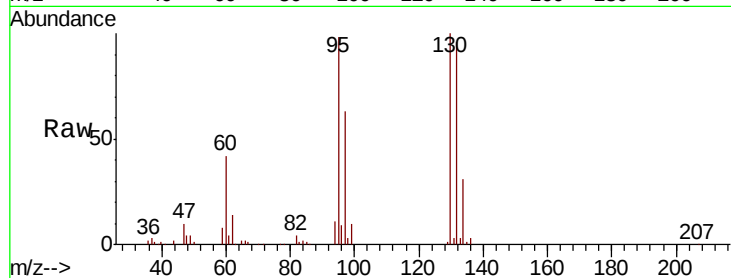
Ion Ratio Lower Upper

95 100

97 64.6 44.8 83.2

132 97.8 65.5 121.6

130 101.7 66.4 123.4

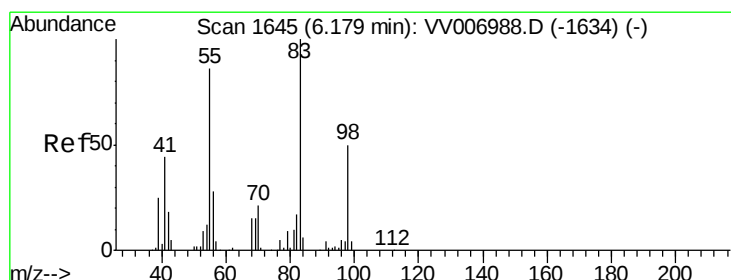
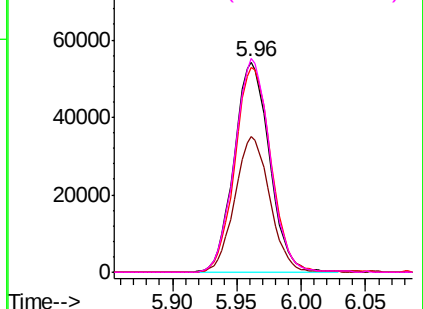


Abundance Ion 95.00 (94.70 to 95.70): VV006999.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV006999.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV006999.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV006999.D (-1485) (-)



#35

Methylcyclohexane

Concen: 4.799 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

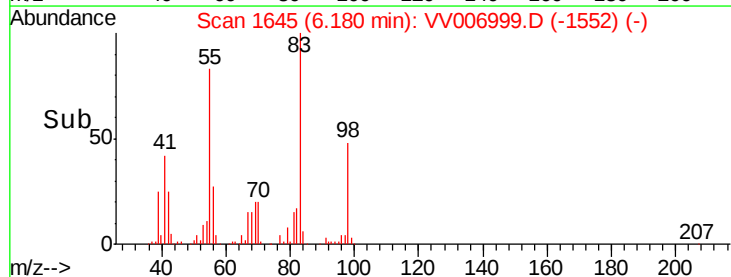
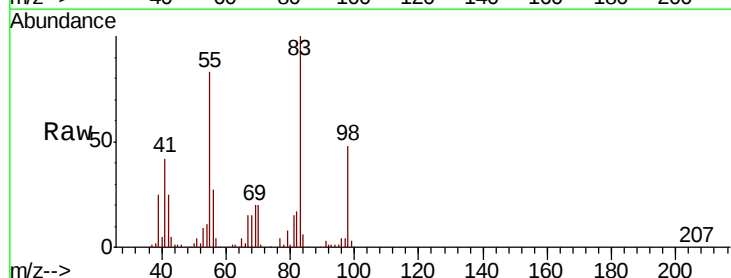
Tgt Ion: 83 Resp: 167816

Ion Ratio Lower Upper

83 100

55 84.2 68.1 102.1

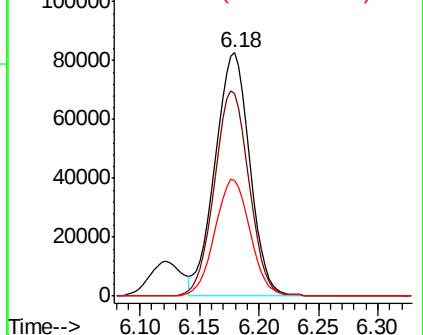
98 48.6 37.9 56.9

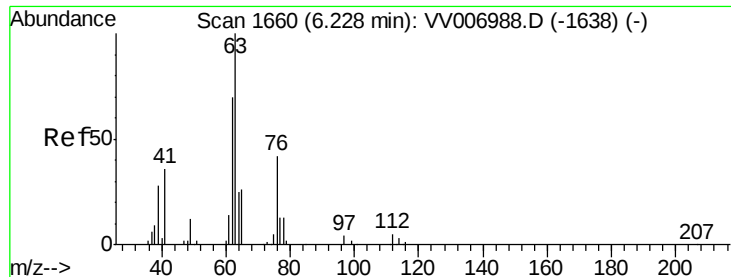


Abundance Ion 83.15 (82.85 to 83.85): VV006999.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV006999.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV006999.D (-1552) (-)





#37

1,2-Dichloropropane

Concen: 4.729 ug/L

RT: 6.22 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

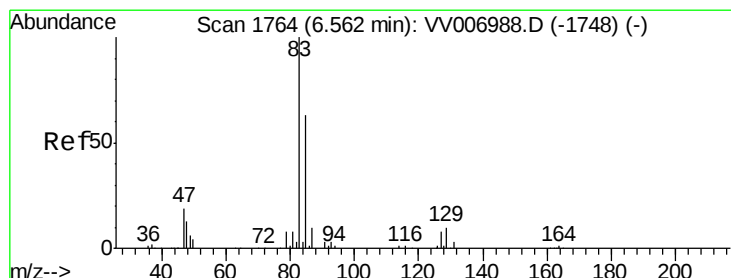
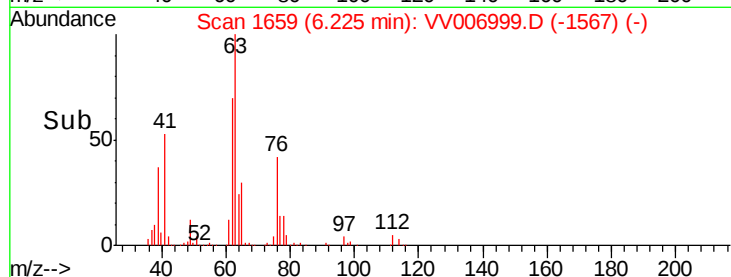
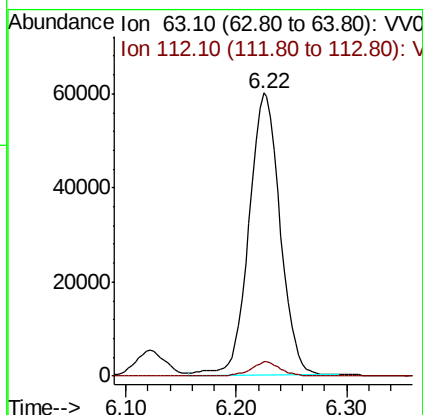
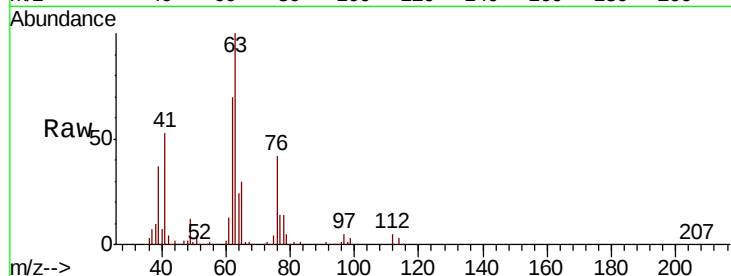
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 117593

Ion Ratio Lower Upper

63 100

112 4.9 3.5 5.3



#38

Bromodichloromethane

Concen: 4.735 ug/L

RT: 6.56 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

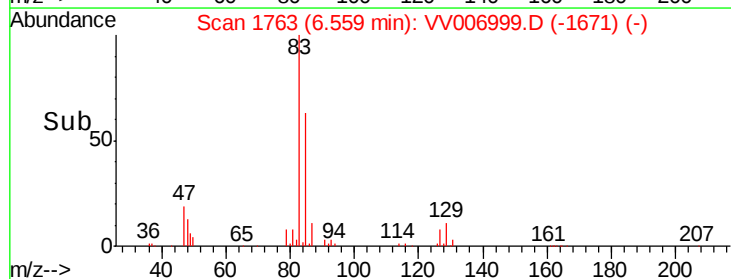
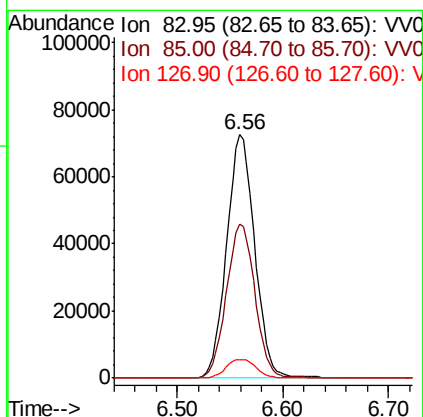
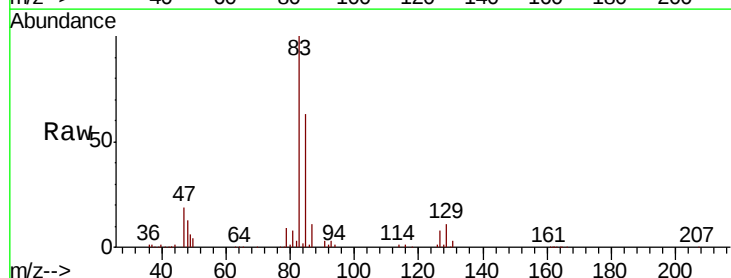
Tgt Ion: 83 Resp: 133781

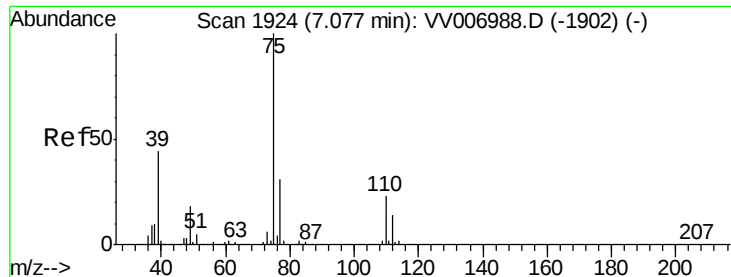
Ion Ratio Lower Upper

83 100

85 63.2 43.8 81.4

127 7.7 6.6 10.0



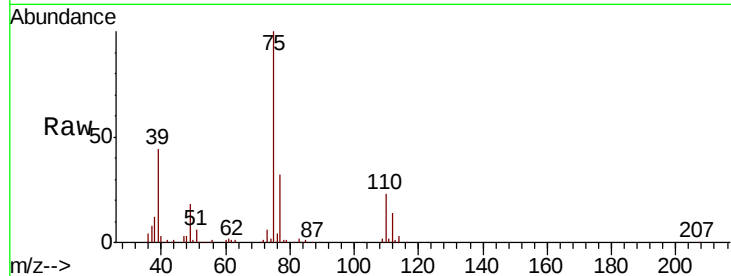


#39

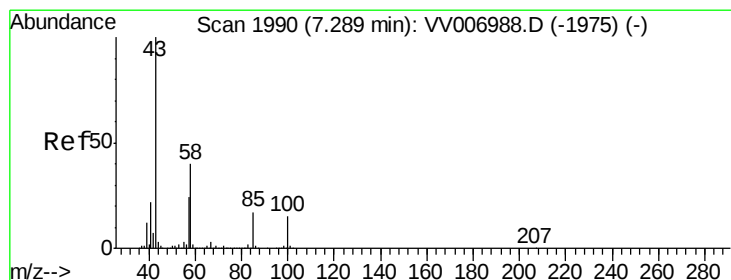
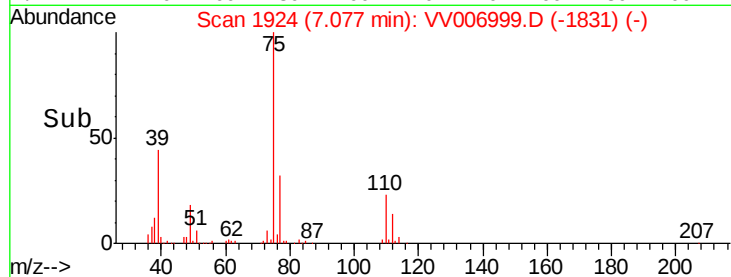
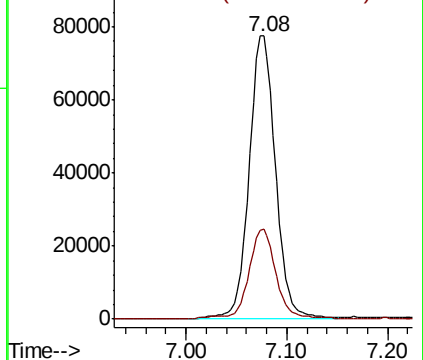
cis-1,3-Dichloropropene
 Concen: 4.651 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006999.D
 Acq: 13 Aug 2018 09:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 139718
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 40.8



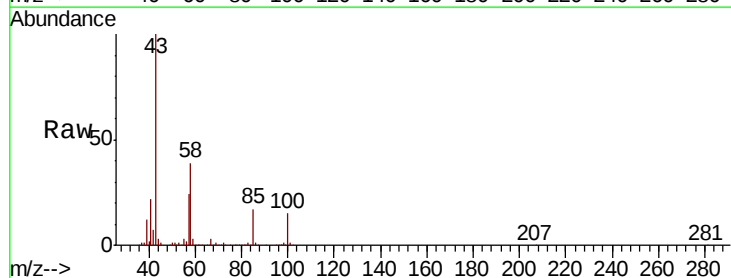
Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0



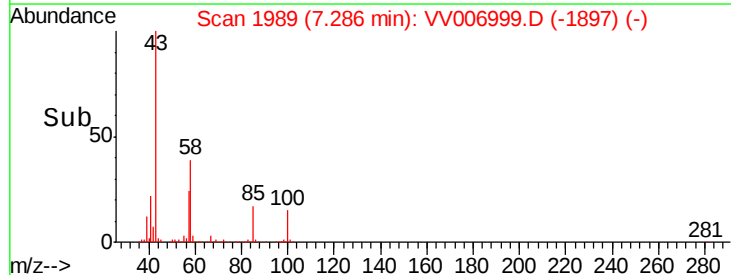
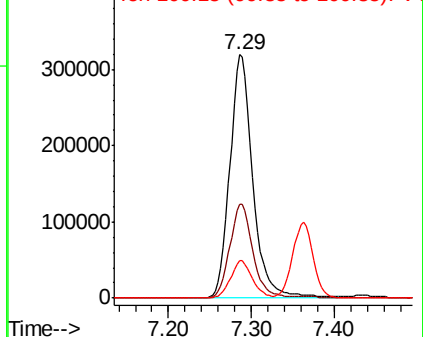
#40

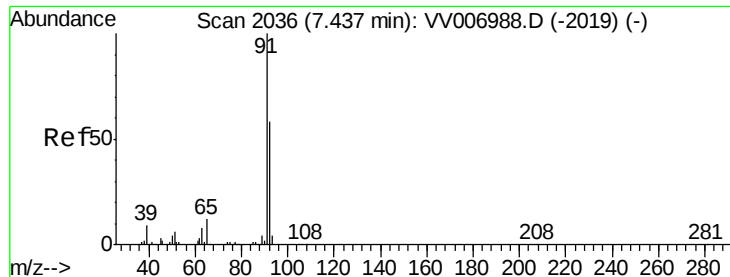
4-Methyl-2-pentanone
 Concen: 46.002 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VV006999.D
 Acq: 13 Aug 2018 09:46

Tgt Ion: 43 Resp: 617916
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.7 46.1
 100 14.6 11.2 16.8



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 58.05 (57.75 to 58.75): VV0
 Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.044 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

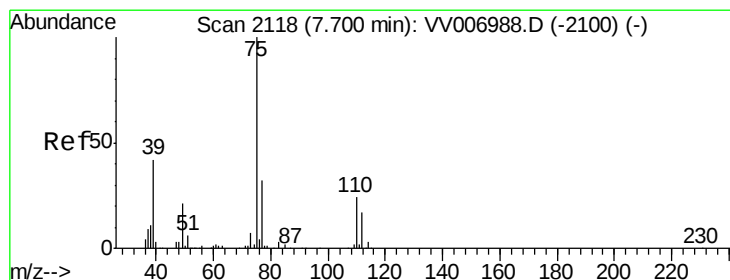
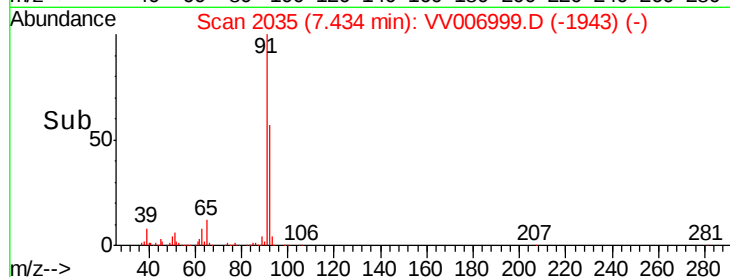
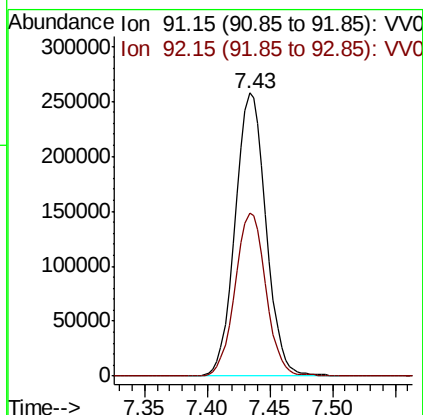
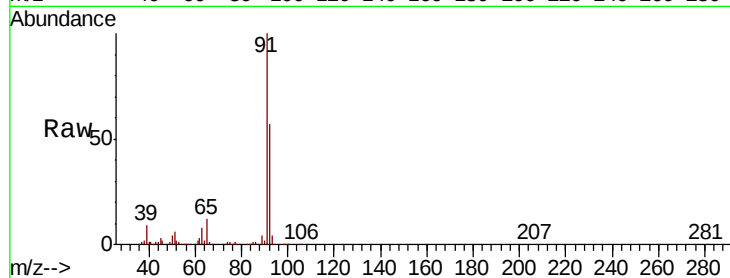
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 440307

Ion Ratio Lower Upper

91 100

92 57.4 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.827 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV006999.D

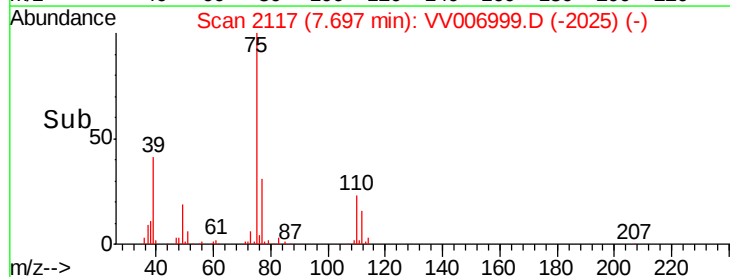
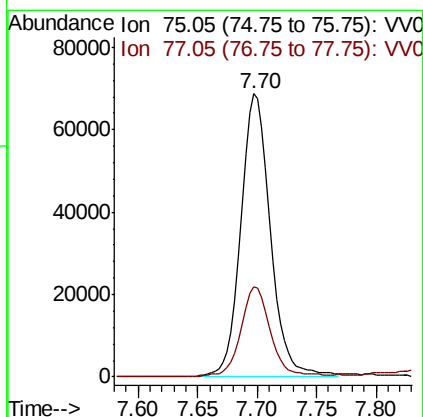
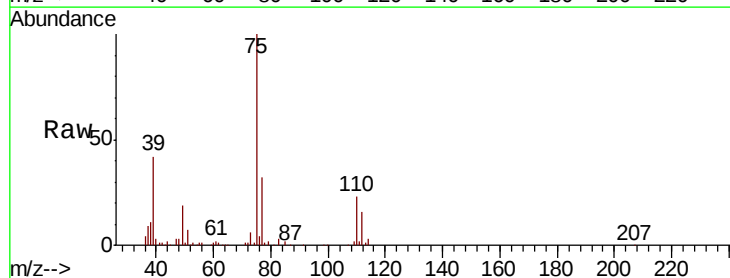
Acq: 13 Aug 2018 09:46

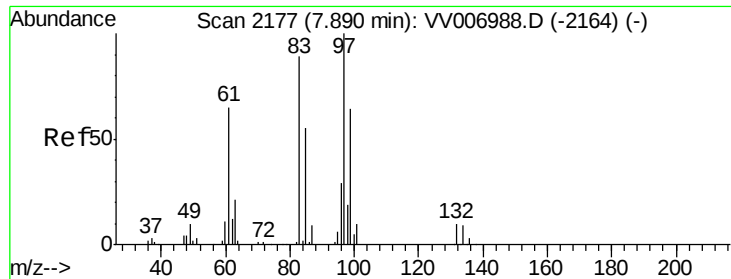
Tgt Ion: 75 Resp: 119012

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3

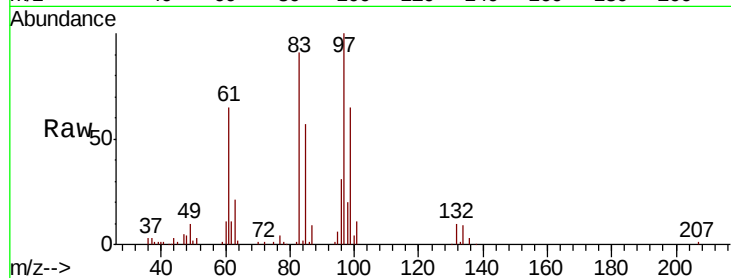




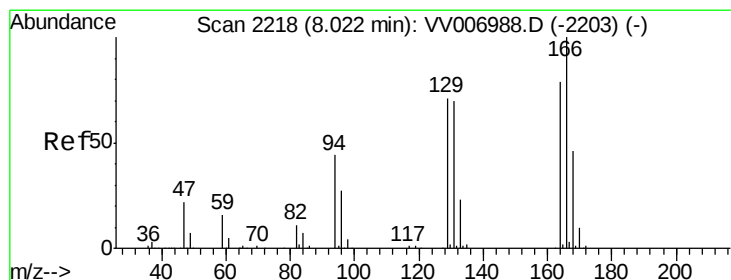
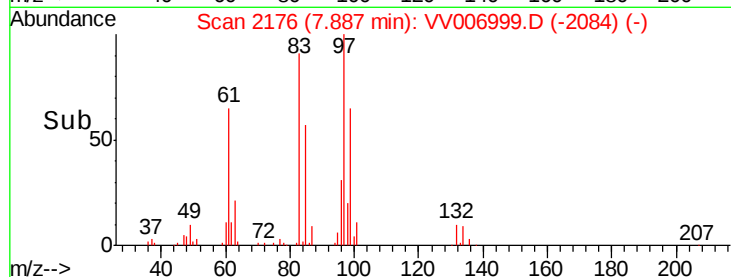
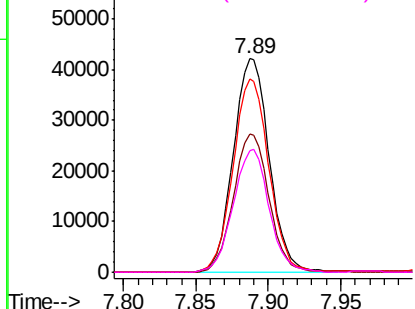
#45
 1,1,2-Trichloroethane
 Concen: 4.481 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VV006999.D
 Acq: 13 Aug 2018 09:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	72492
Ion	Ratio	Lower	Upper
97	100		
99	64.6	40.6	75.4
83	90.7	58.0	107.8
85	57.0	37.5	69.7

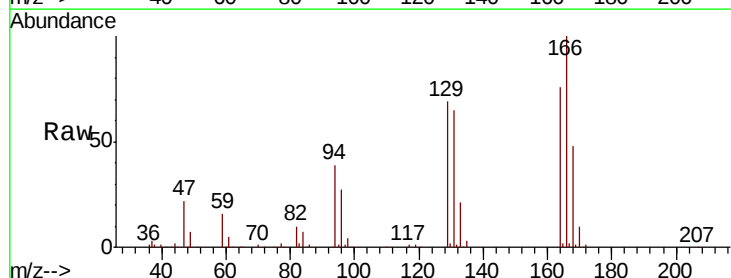


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

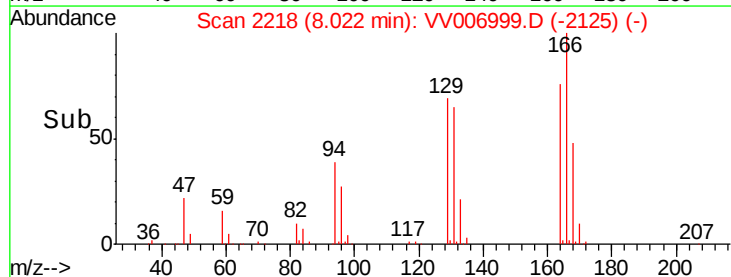
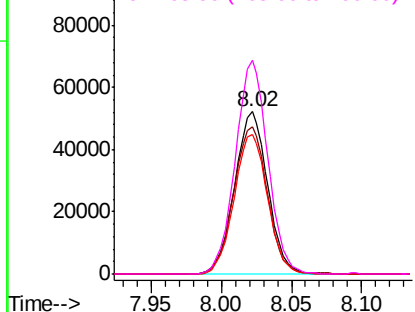


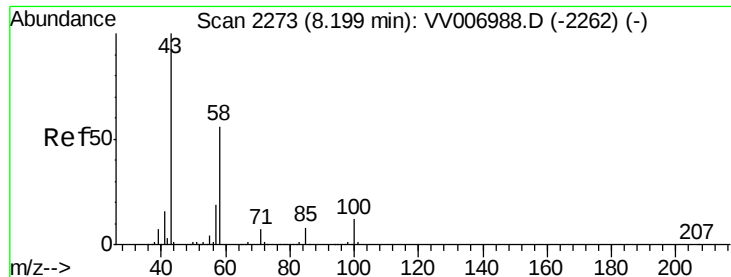
#47
 Tetrachloroethene
 Concen: 4.859 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006999.D
 Acq: 13 Aug 2018 09:46

Tgt Ion:	164	Resp:	85811
Ion	Ratio	Lower	Upper
164	100		
129	90.4	65.9	122.3
131	85.8	64.2	119.2
166	131.6	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

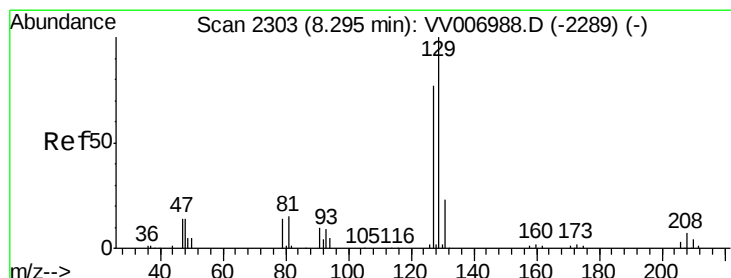
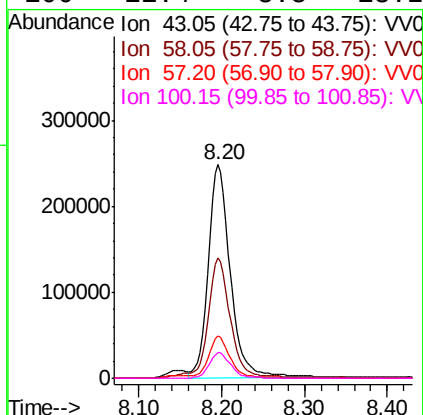
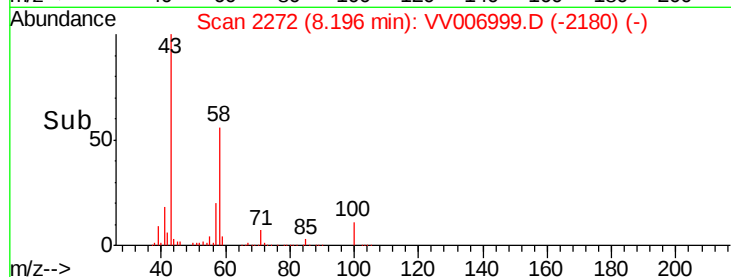
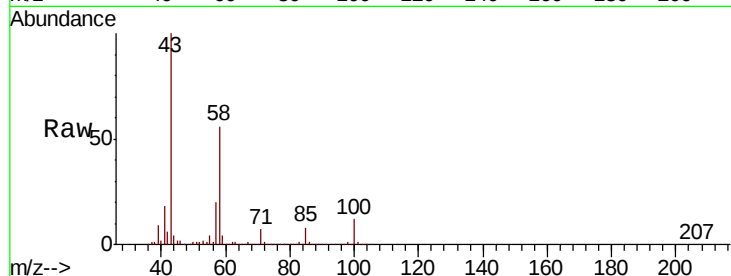




#48
2-Hexanone
Concen: 48.846 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV006999.D
Acq: 13 Aug 2018 09:46

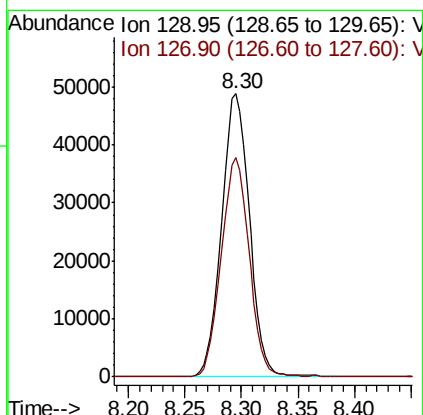
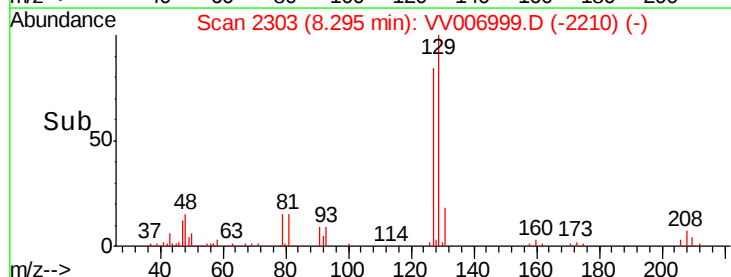
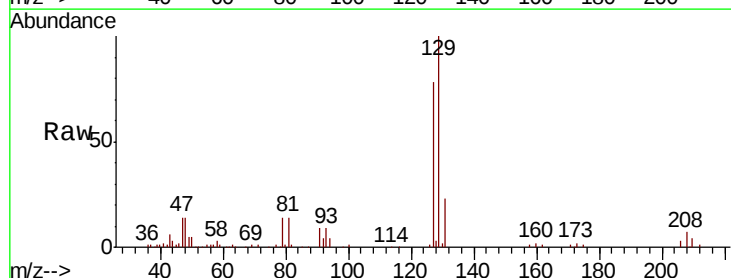
Instrument :
MSVOA_V
ClientSampleId :

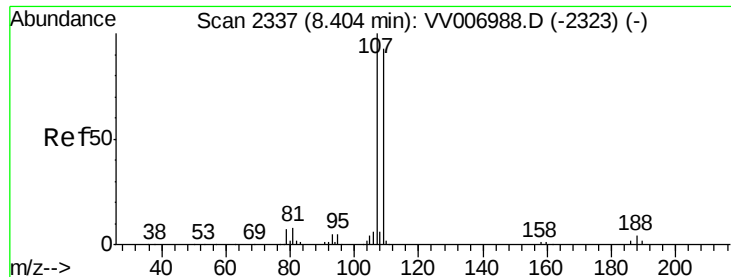
Tot Ion: 43 Resp: 462745
Ion Ratio Lower Upper
43 100
58 58.5 44.2 66.2
57 19.1 14.8 22.2
100 11.4 8.8 13.2



#49
Dibromochloromethane
Concen: 4.954 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006999.D
Acq: 13 Aug 2018 09:46

Tgt Ion: 129 Resp: 84065
Ion Ratio Lower Upper
129 100
127 77.6 53.3 98.9

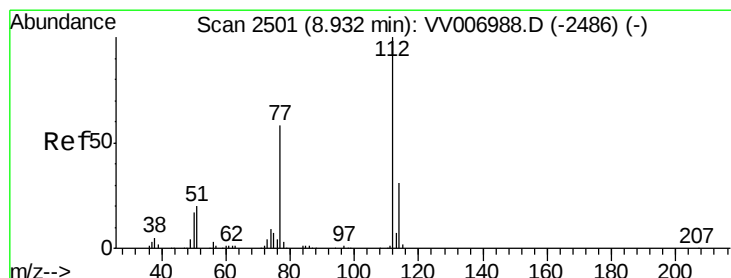
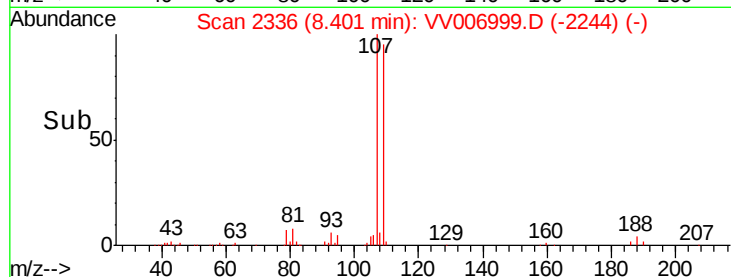
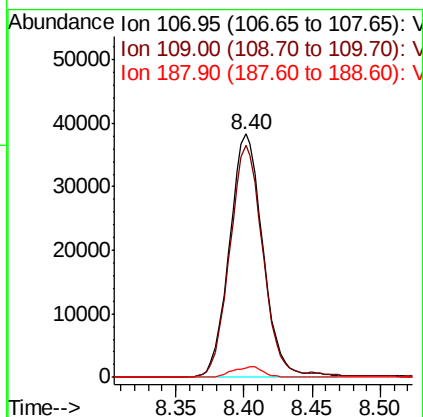
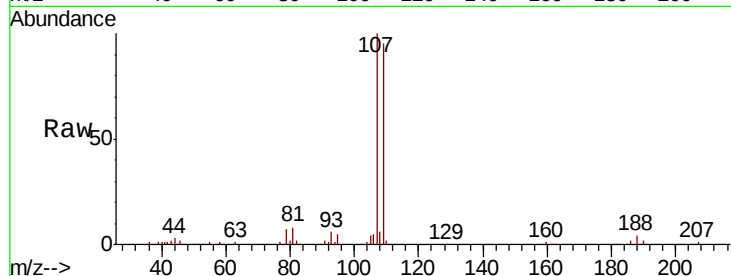




#50
 1,2-Dibromoethane
 Concen: 4.799 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VV006999.D
 Acq: 13 Aug 2018 09:46

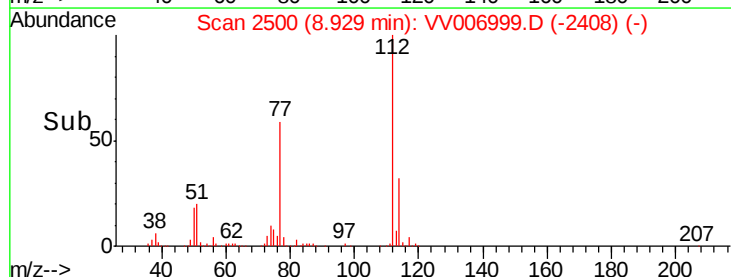
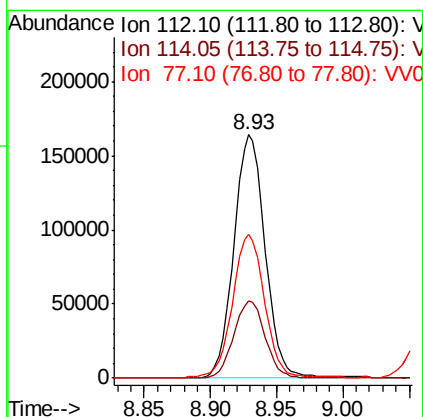
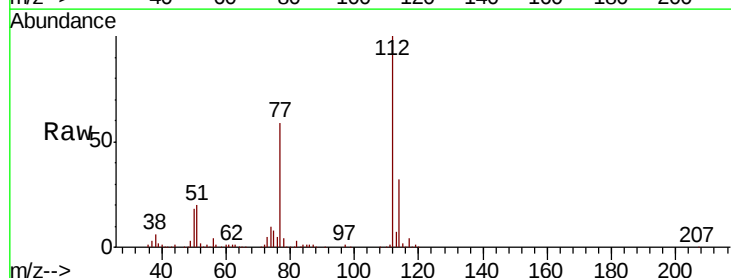
Instrument :
 MSVOA_V
 ClientSampleId :

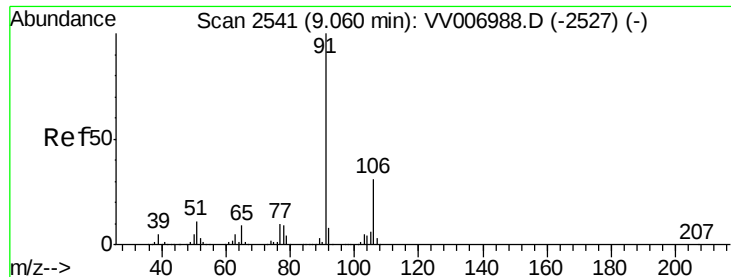
Tot Ion:107 Resp: 65583
 Ion Ratio Lower Upper
 107 100
 109 95.1 64.1 119.1
 188 3.6 4.0 6.0#



#51
 Chlorobenzene
 Concen: 4.832 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: VV006999.D
 Acq: 13 Aug 2018 09:46

Tgt Ion:112 Resp: 268855
 Ion Ratio Lower Upper
 112 100
 114 31.8 21.8 40.6
 77 59.2 48.0 72.0





#52

Ethylbenzene

Concen: 4.869 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

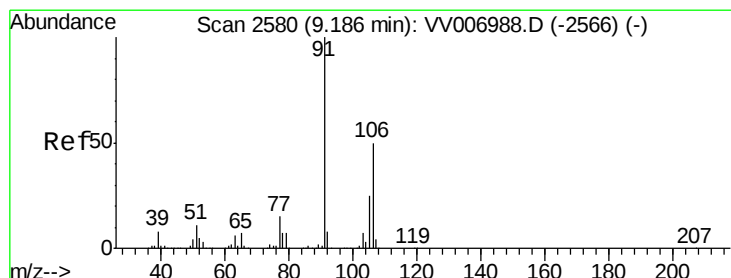
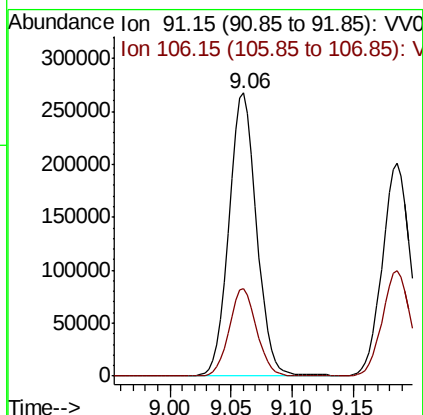
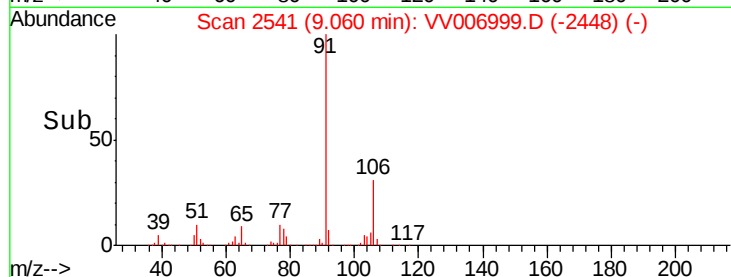
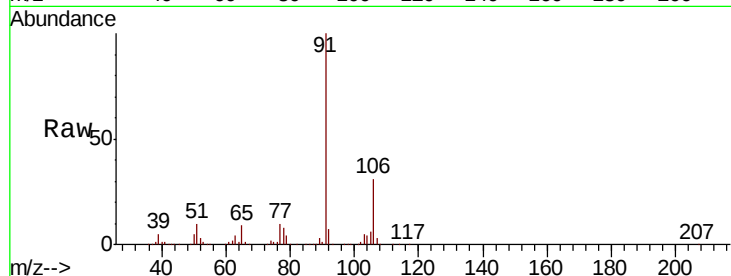
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 424429

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.5



#53

m,p-xylene

Concen: 4.983 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006999.D

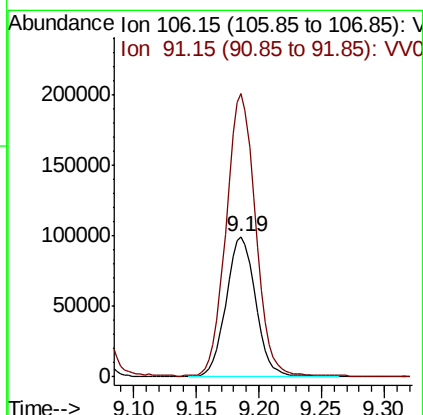
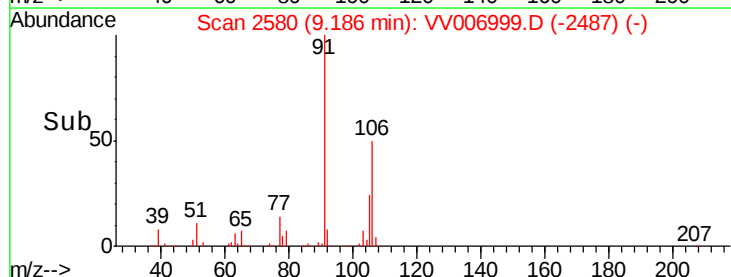
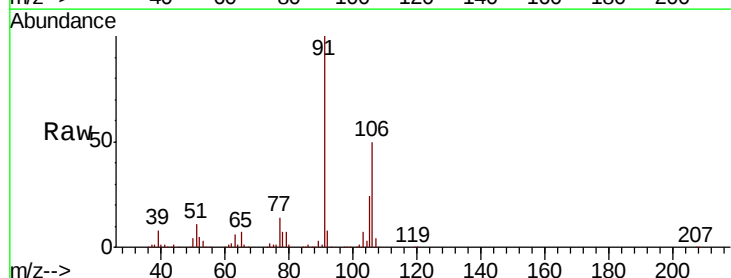
Acq: 13 Aug 2018 09:46

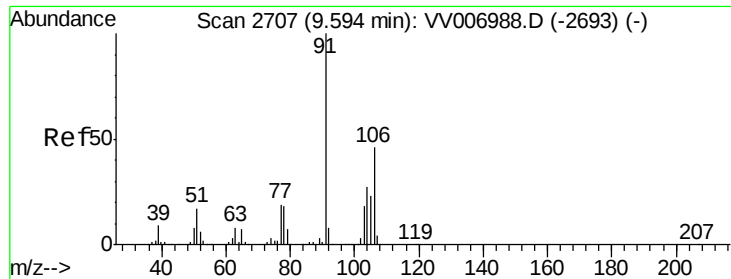
Tgt Ion: 106 Resp: 161931

Ion Ratio Lower Upper

106 100

91 201.7 141.6 263.0





#54

o-xylene

Concen: 4.885 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

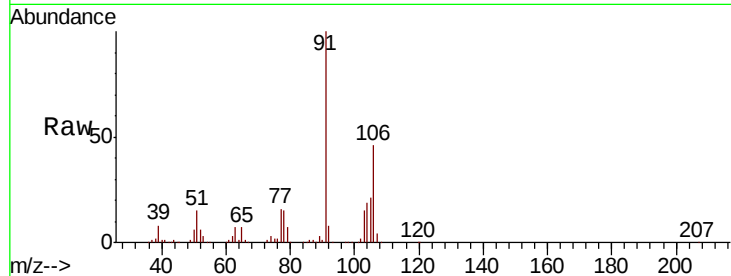
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 150406

Ion Ratio Lower Upper

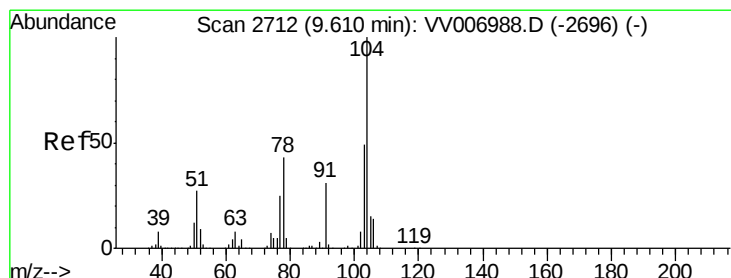
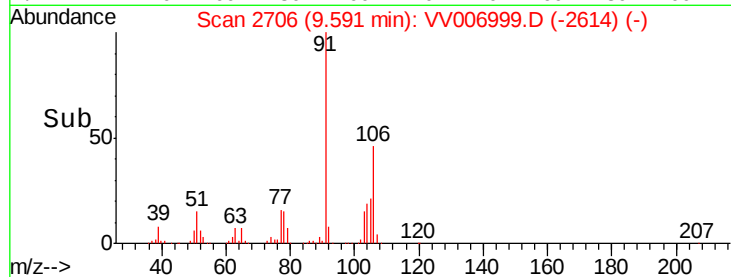
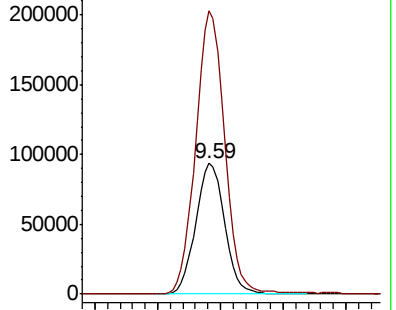
106 100

91 216.1 149.8 278.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.080 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV006999.D

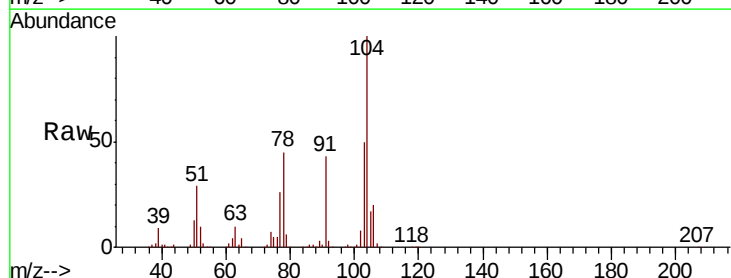
Acq: 13 Aug 2018 09:46

Tgt Ion:104 Resp: 263644

Ion Ratio Lower Upper

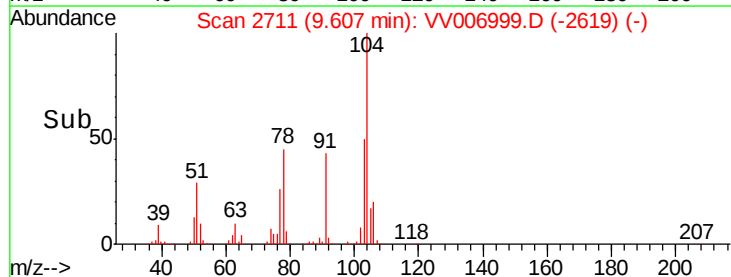
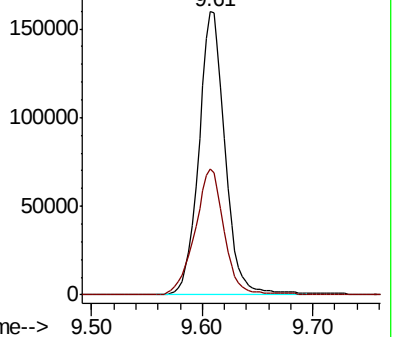
104 100

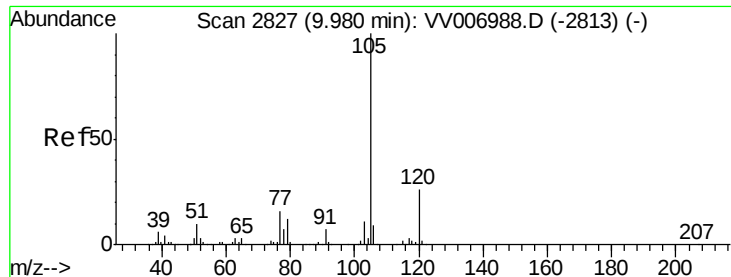
78 44.7 30.4 56.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.011 ug/L

RT: 9.98 min Scan# 2827

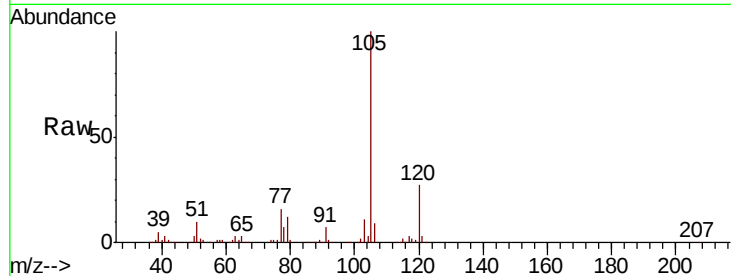
Delta R.T. 0.00 min

Lab File: VV006999.D

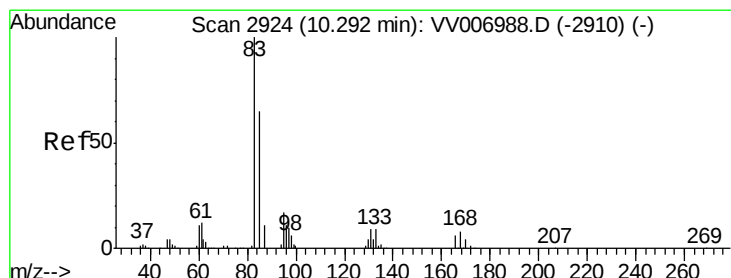
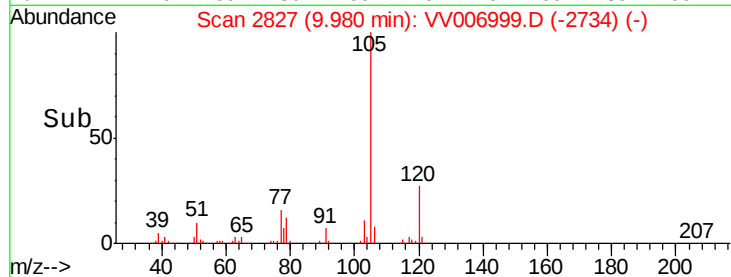
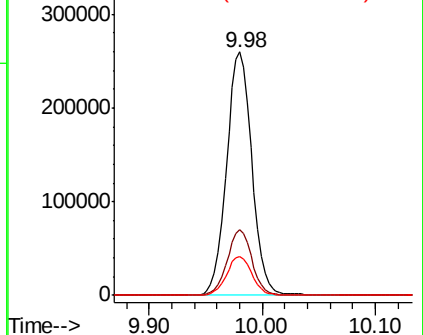
Acq: 13 Aug 2018 09:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	404767
Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.1	31.7
77	16.0	13.0	19.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.498 ug/L

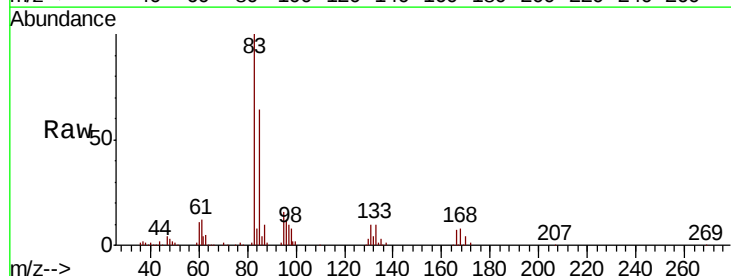
RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

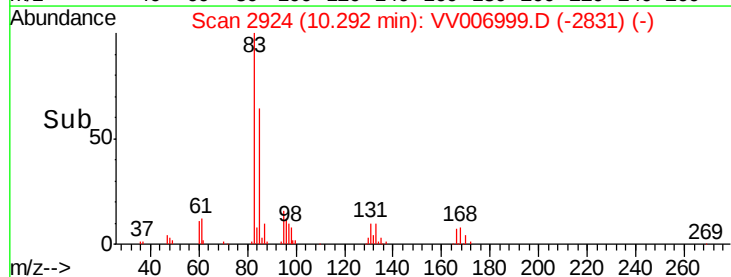
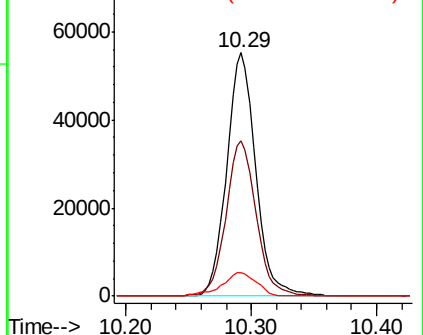
Lab File: VV006999.D

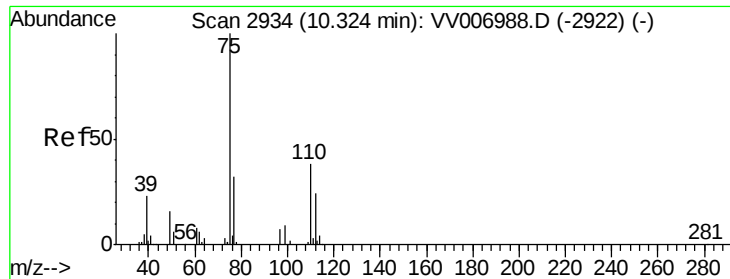
Acq: 13 Aug 2018 09:46

Tgt Ion:	83	Resp:	88438
Ion	Ratio	Lower	Upper
83	100		
85	63.9	43.0	79.8
131	9.9	7.4	11.2



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.706 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

Instrument :

MSVOA_V

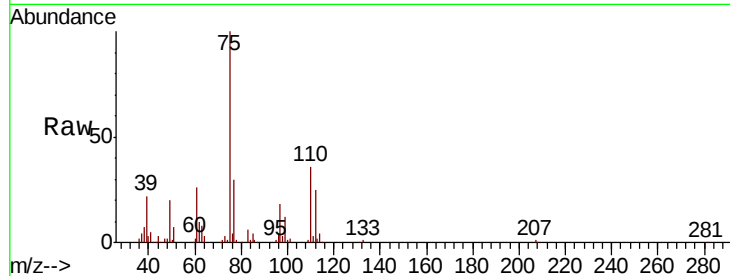
ClientSampleId :

Tot Ion: 75 Resp: 65501

Ion Ratio Lower Upper

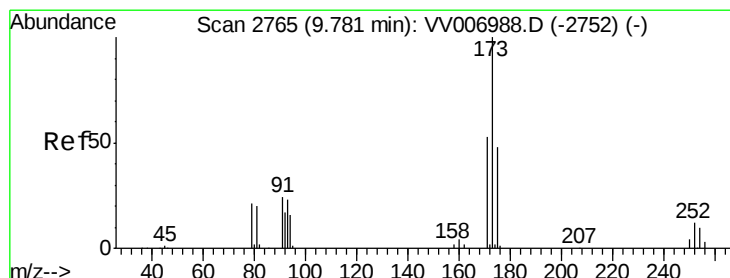
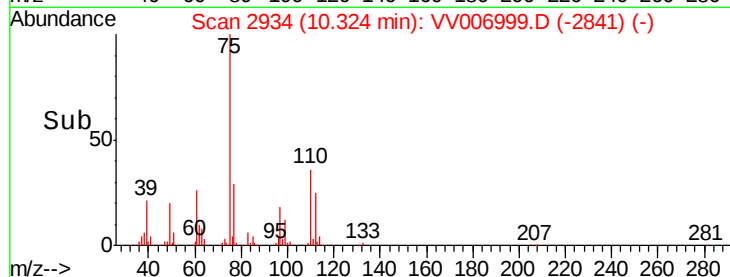
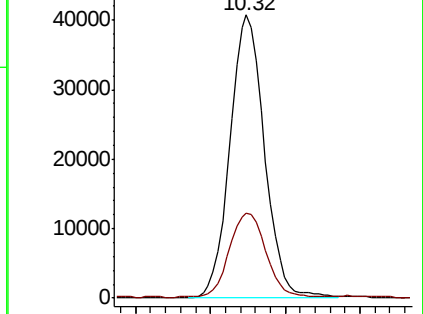
75 100

77 31.1 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV006988.D (-2922) (-)

Ion 77.00 (76.70 to 77.70): VV006988.D (-2922) (-)



#61

Bromoform

Concen: 4.824 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

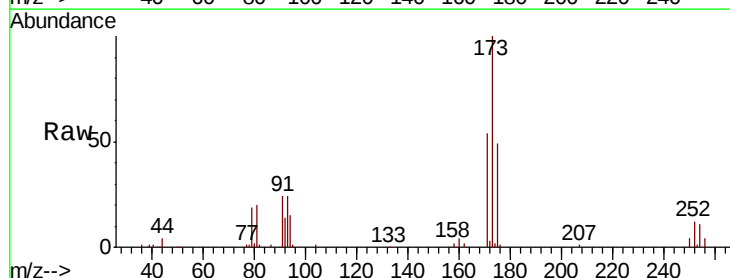
Tgt Ion: 173 Resp: 44511

Ion Ratio Lower Upper

173 100

175 49.0 39.3 58.9

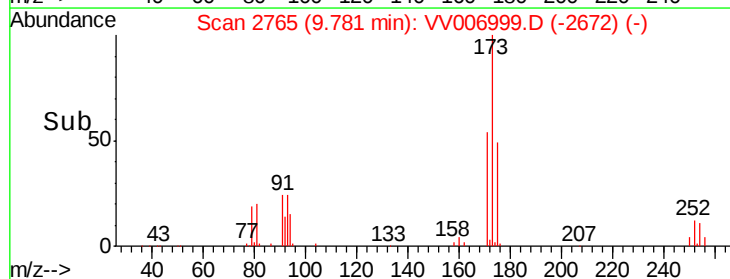
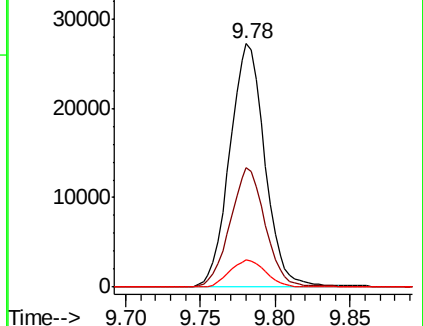
254 11.5 8.3 12.5

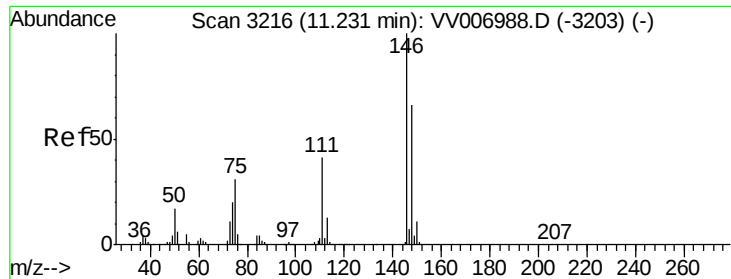


Abundance Ion 172.90 (172.60 to 173.60): VV006988.D (-2752) (-)

Ion 174.90 (174.60 to 175.60): VV006988.D (-2752) (-)

Ion 253.75 (253.45 to 254.45): VV006988.D (-2752) (-)





#62

1,3-Dichlorobenzene

Concen: 4.786 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

Instrument :

MSVOA_V

ClientSampleId :

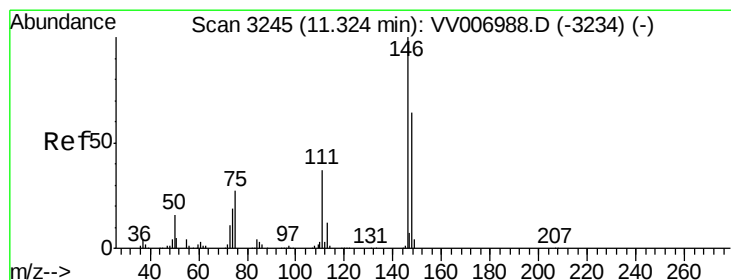
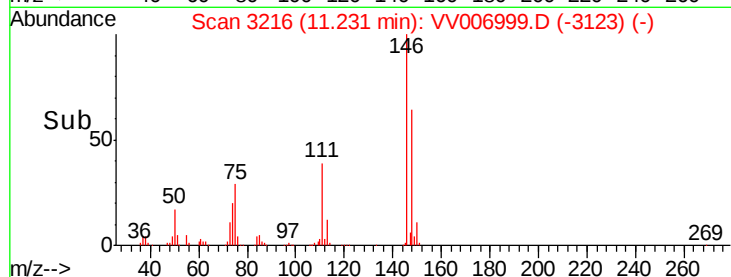
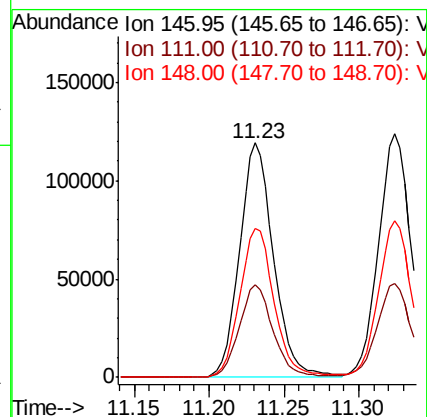
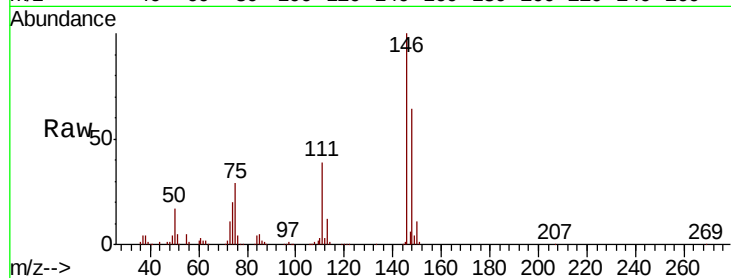
Tot Ion:146 Resp: 188673

Ion Ratio Lower Upper

146 100

111 39.4 28.1 52.3

148 63.8 44.2 82.2



#63

1,4-Dichlorobenzene

Concen: 4.810 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

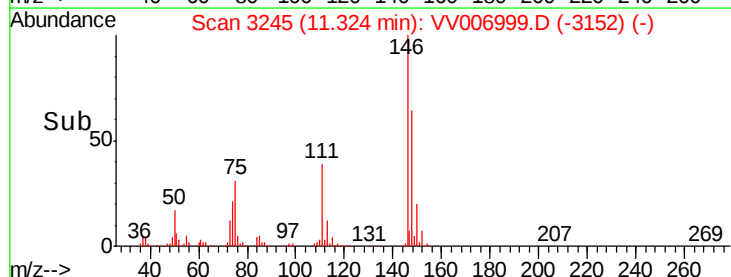
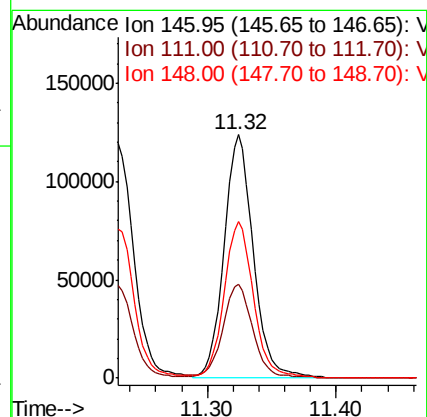
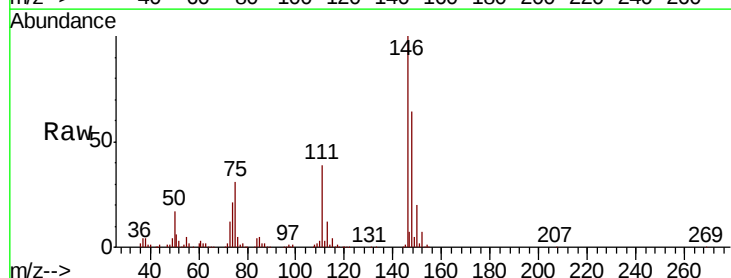
Tgt Ion:146 Resp: 194360

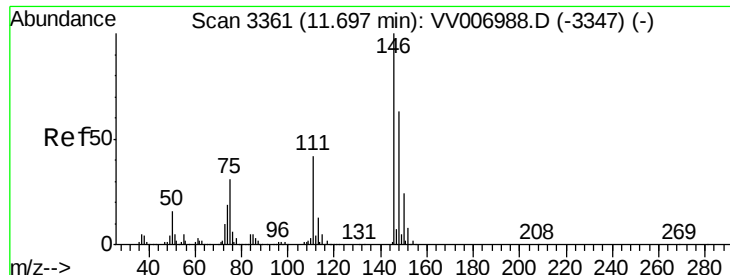
Ion Ratio Lower Upper

146 100

111 38.7 26.6 49.4

148 64.3 46.4 86.2

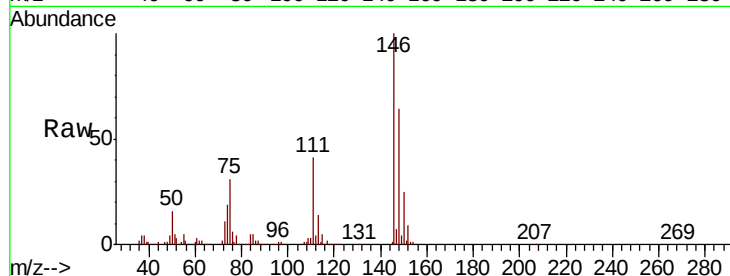




#65
 1,2-Dichlorobenzene
 Concen: 4.753 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006999.D
 Acq: 13 Aug 2018 09:46

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	33.0	49.6
148	64.1	50.6	75.8

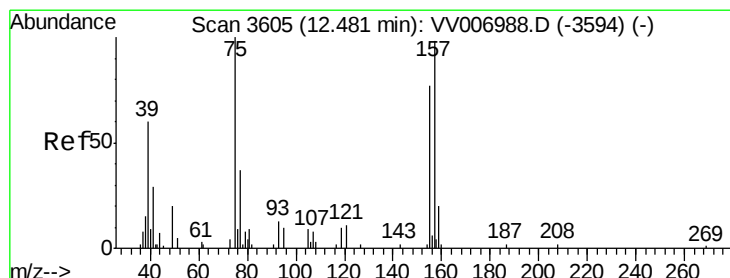
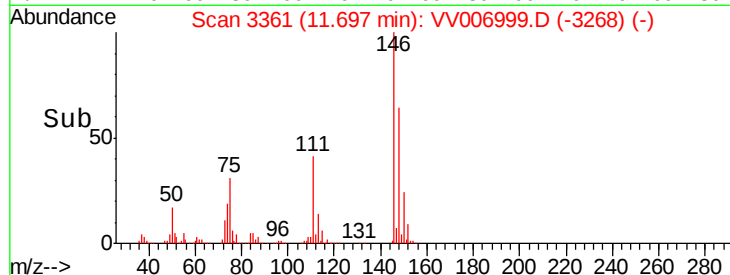
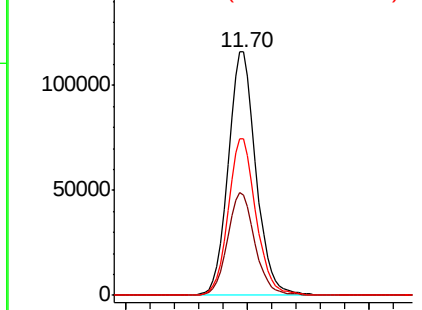


Abundance

Ion 145.95 (145.65 to 146.65): V

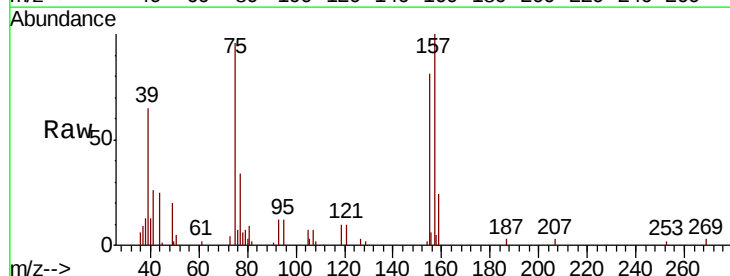
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.212 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV006999.D
 Acq: 13 Aug 2018 09:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.8	62.6	94.0
157	104.2	77.0	115.6

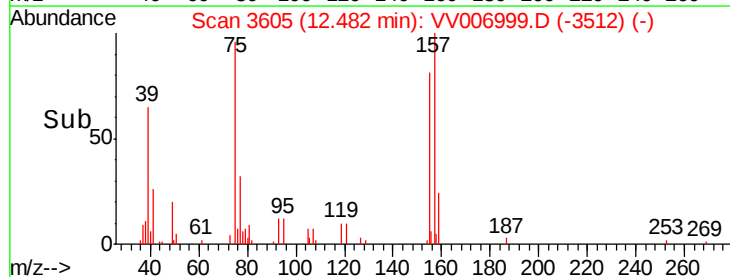
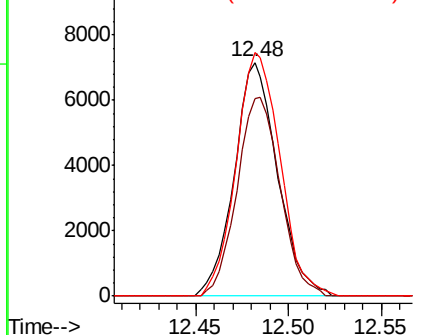


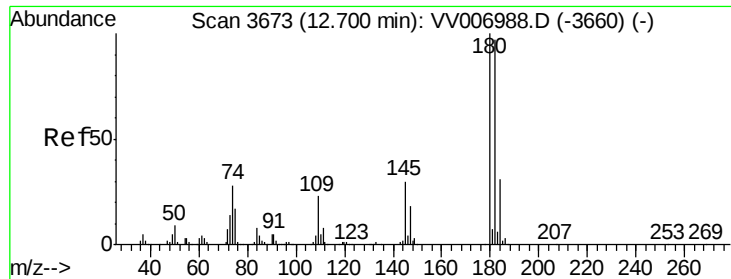
Abundance

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

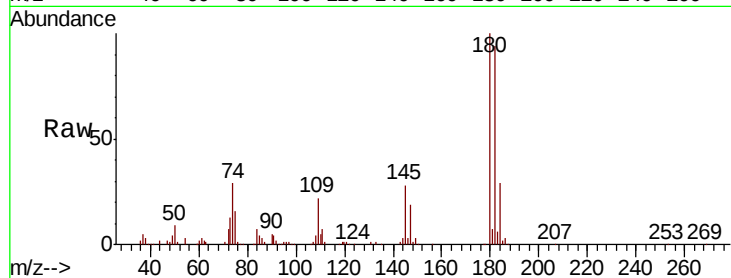




#67
 1,3,5-Trichlorobenzene
 Concen: 4.887 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006999.D
 Acq: 13 Aug 2018 09:46

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180	Resp:	145809
Ion Ratio	Lower	Upper
180	100	
182	96.6	75.1 112.7
184	30.1	23.8 35.8
145	28.9	21.9 32.9



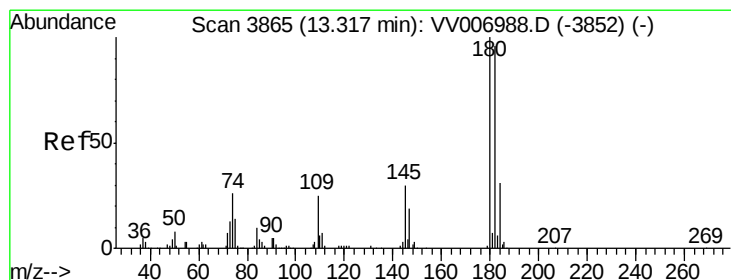
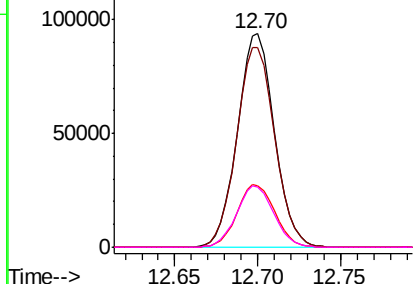
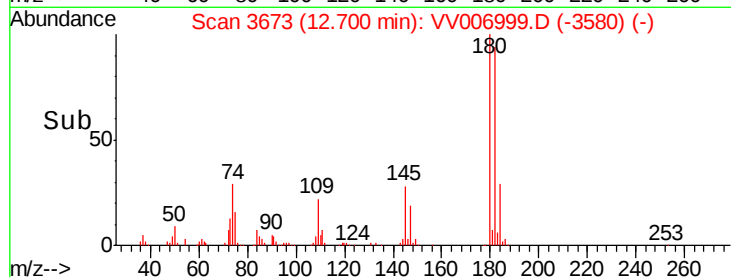
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

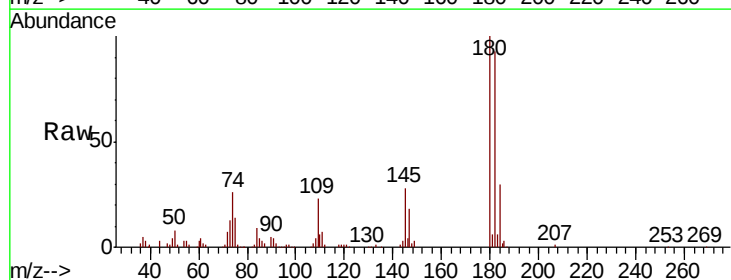
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.830 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006999.D
 Acq: 13 Aug 2018 09:46

Tgt Ion:180	Resp:	105772
Ion Ratio	Lower	Upper
180	100	
182	93.0	76.5 114.7
145	28.5	23.6 35.4

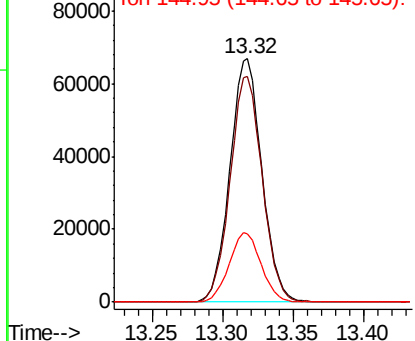
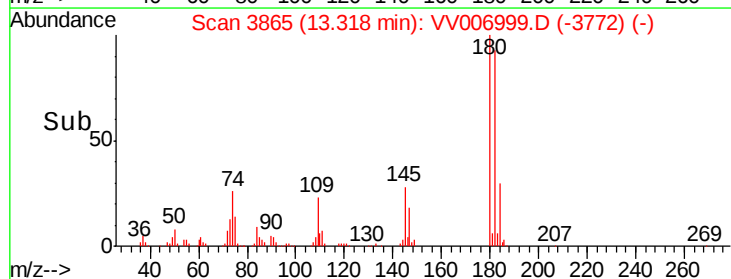


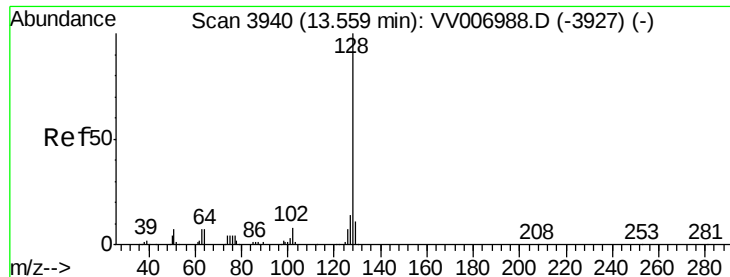
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.133 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

Instrument :

MSVOA_V

ClientSampleId :

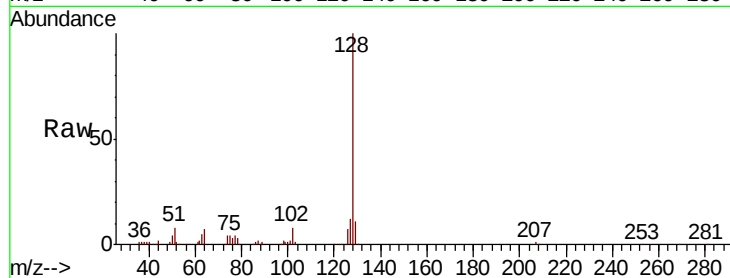
Tot Ion:128 Resp: 129975

Ion Ratio Lower Upper

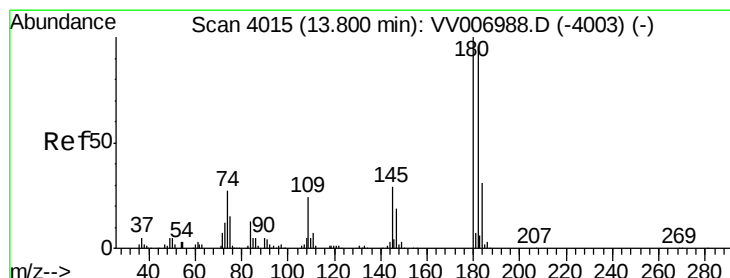
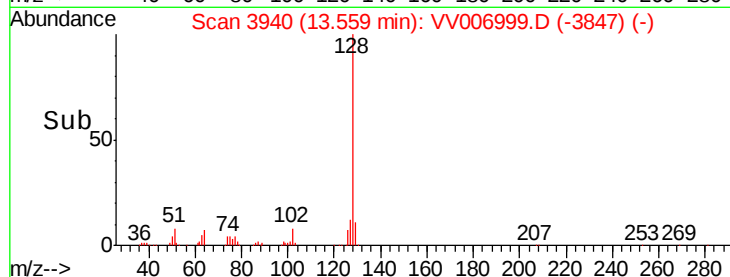
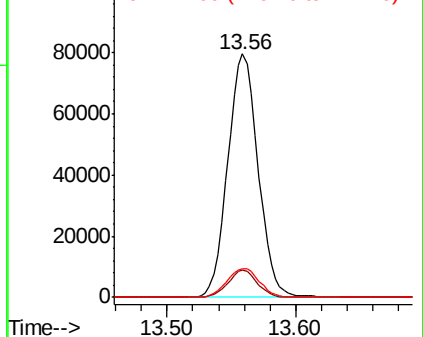
128 100

129 10.7 8.5 12.7

127 12.8 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.741 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006999.D

Acq: 13 Aug 2018 09:46

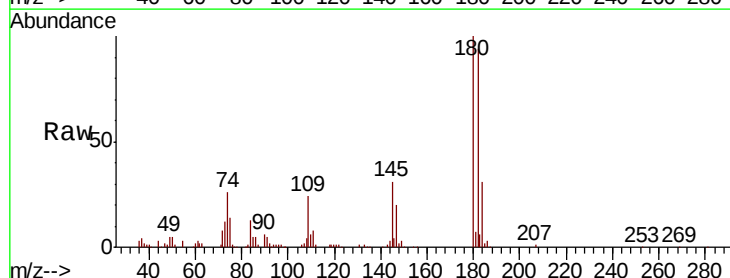
Tgt Ion:180 Resp: 100064

Ion Ratio Lower Upper

180 100

182 94.0 76.1 114.1

145 30.8 24.6 36.8



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

