

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081518\
 Data File : VV007015.D
 Acq On : 15 Aug 2018 14:04
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB84

Quant Time: Aug 16 02:46:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 14 05:35:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	248443	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	237969	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	110490	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	62380	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	1.58	69	59424	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.13	63	128354	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.20%
20) 2-Butanone-d5	3.96	46	198869	43.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.24%
24) Chloroform-d	4.40	84	163720	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.09	65	81305	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.10	84	294956	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.12	67	103798	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.36	98	256405	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	7.67	79	35702	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.15	63	144936	48.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.50%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	84347	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	94284	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	122240	5.052 ug/L	99
3) Chloromethane	1.25	50	111875	4.805 ug/L	98
5) Vinyl chloride	1.32	62	121354	5.043 ug/L	99
6) Bromomethane	1.54	94	29147	5.580 ug/L	99
8) Chloroethane	1.60	64	71726	4.912 ug/L	100
9) Trichlorofluoromethane	1.77	101	157179	5.133 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	94696	5.153 ug/L	98
12) 1,1-Dichloroethene	2.14	96	90731	5.086 ug/L	93
13) Acetone	2.21	43	86501	36.425 ug/L	100
14) Carbon disulfide	2.32	76	282619	4.799 ug/L	100
15) Methyl Acetate	2.47	43	26635	3.985 ug/L	99
16) Methylene chloride	2.54	84	97046	4.512 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	210102	4.912 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	97338	5.095 ug/L	98
19) 1,1-Dichloroethane	3.23	63	202504	5.872 ug/L	98
21) 2-Butanone	4.05	43	202209	39.218 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	108294	4.996 ug/L	98

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081518\
 Data File : VV007015.D
 Acq On : 15 Aug 2018 14:04
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB84

Quant Time: Aug 16 02:46:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 14 05:35:33 2018
 Response via : Initial Calibration

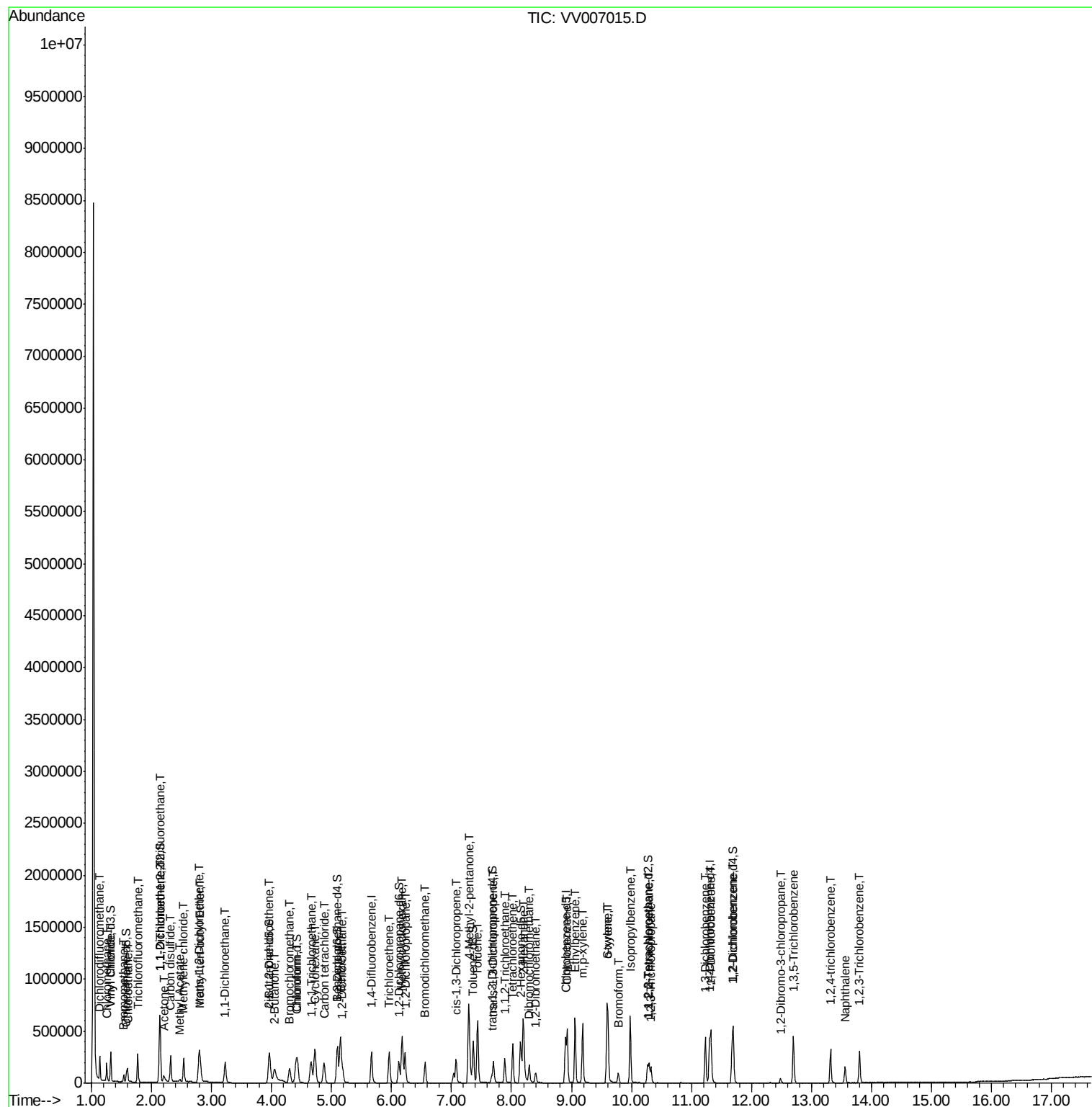
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	45854	5.190	ug/L	93
25) Chloroform	4.43	83	195025	5.169	ug/L	99
27) 1,2-Dichloroethane	5.19	62	114164	4.851	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	163950	5.167	ug/L	99
30) Cyclohexane	4.72	56	164312	4.975	ug/L	99
31) Carbon tetrachloride	4.88	117	143804	5.404	ug/L	99
33) Benzene	5.15	78	438911	5.324	ug/L	100
34) Trichloroethene	5.96	95	103348	5.228	ug/L	96
35) Methylcyclohexane	6.18	83	167522	5.279	ug/L	98
37) 1,2-Dichloropropane	6.23	63	114104	5.056	ug/L	99
38) Bromodichloromethane	6.56	83	136364	5.318	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	139059	5.101	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	606985	49.794	ug/L	98
42) Toluene	7.44	91	437865	5.527	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	115124	5.145	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	74764	5.093	ug/L	96
47) Tetrachloroethene	8.02	164	86118	5.373	ug/L	98
48) 2-Hexanone	8.20	43	450710	52.424	ug/L	99
49) Dibromochloromethane	8.30	129	85306	5.539	ug/L	99
50) 1,2-Dibromoethane	8.40	107	66896	5.394	ug/L	99
51) Chlorobenzene	8.93	112	267403	5.295	ug/L	99
52) Ethylbenzene	9.06	91	426462	5.391	ug/L	99
53) m,p-xylene	9.19	106	162719	5.518	ug/L	98
54) o-xylene	9.59	106	150975	5.403	ug/L	100
55) Styrene	9.61	104	266033	5.648	ug/L	99
56) Isopropylbenzene	9.98	105	399647	5.451	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	90906	5.095	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	64813	5.131	ug/L	98
61) Bromoform	9.78	173	44338	5.298	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	190097	5.317	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	192926	5.265	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	187437	5.330	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	11261	4.510	ug/L	92
67) 1,3,5-Trichlorobenzene	12.70	180	145460	5.376	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	102382	5.155	ug/L	99
69) Naphthalene	13.56	128	122901	4.309	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	98368	5.139	ug/L	99

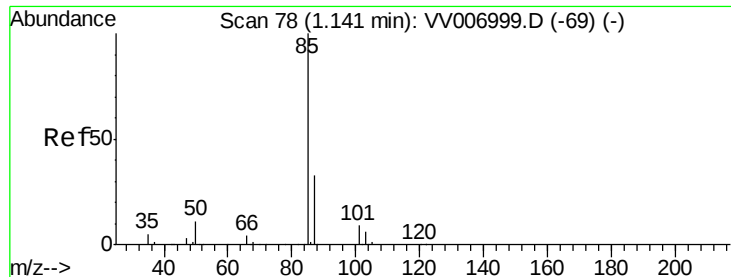
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081518\
Data File : VV007015.D
Acq On : 15 Aug 2018 14:04
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB84

Quant Time: Aug 16 02:46:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 14 05:35:33 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.052 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

Instrument :

MSVOA_V

ClientSampled :

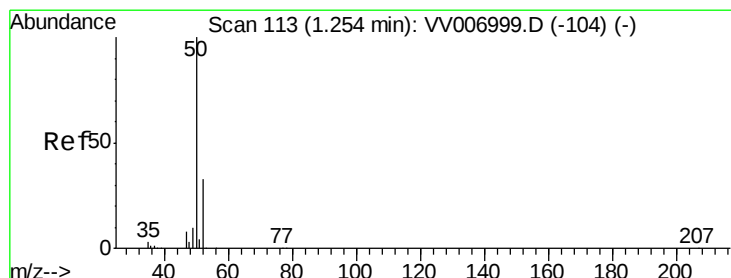
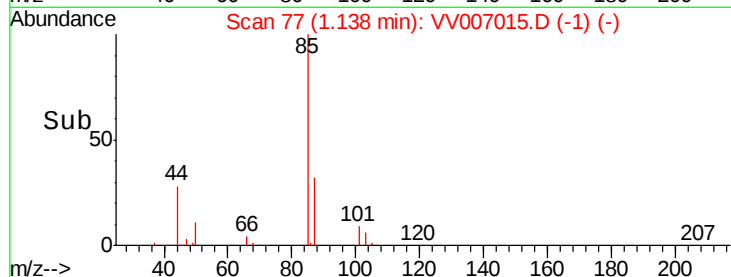
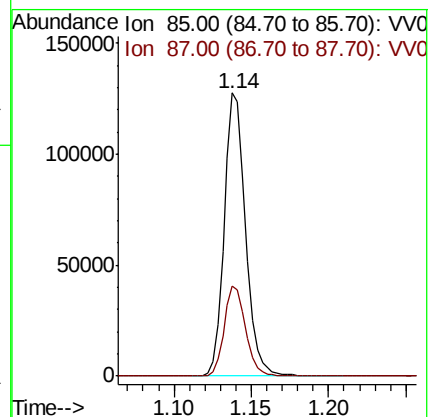
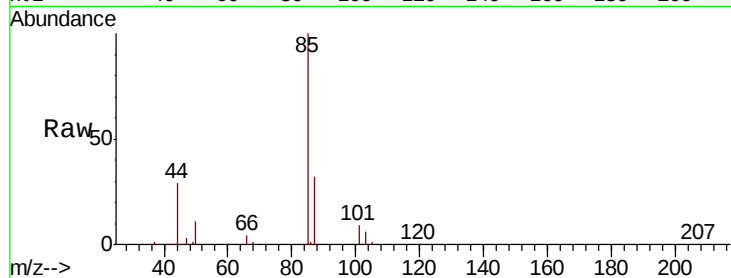
BFB84

Tgt Ion: 85 Resp: 122240

Ion Ratio Lower Upper

85 100

87 32.1 25.4 38.2



#3

Chloromethane

Concen: 4.805 ug/L

RT: 1.25 min Scan# 113

Delta R.T. -0.00 min

Lab File: VV007015.D

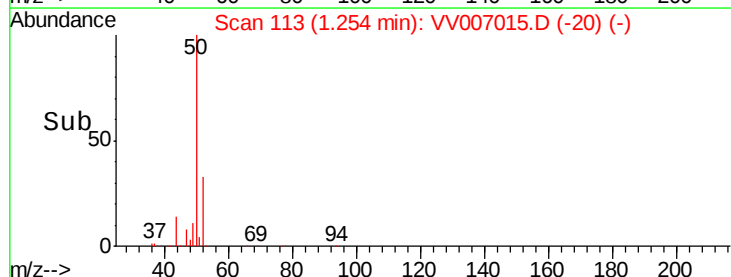
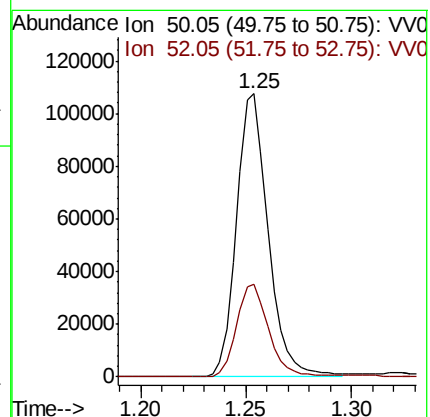
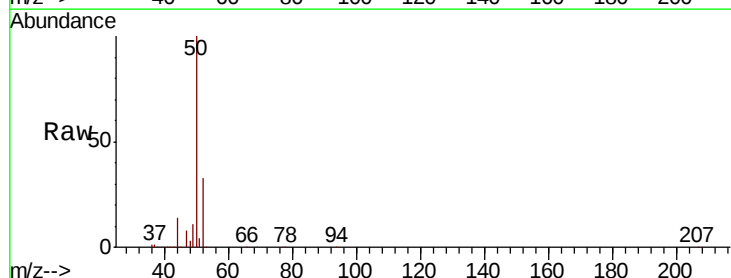
Acq: 15 Aug 2018 14:04

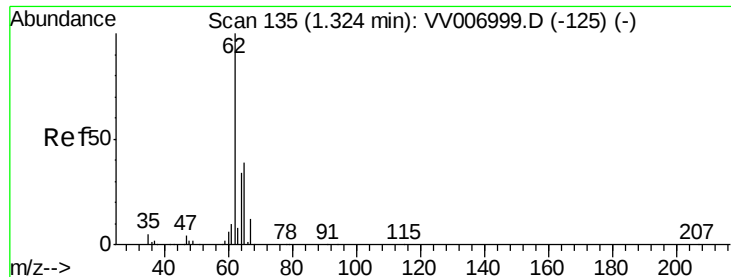
Tgt Ion: 50 Resp: 111875

Ion Ratio Lower Upper

50 100

52 32.7 23.6 43.8





#5

Vinyl chloride

Concen: 5.043 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

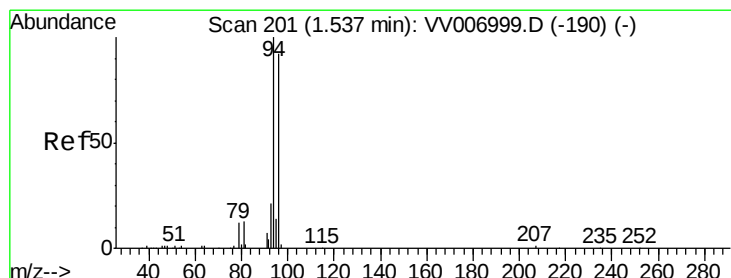
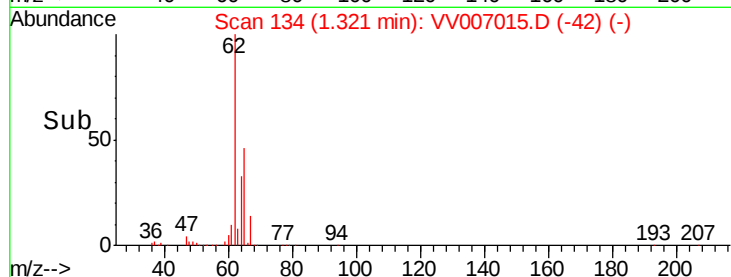
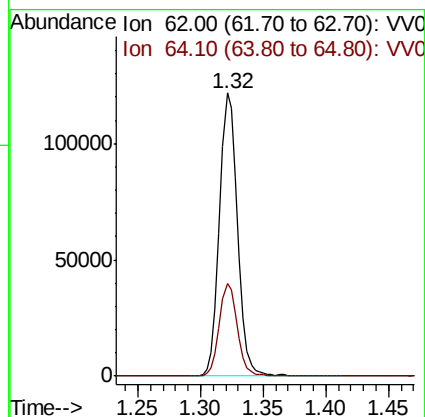
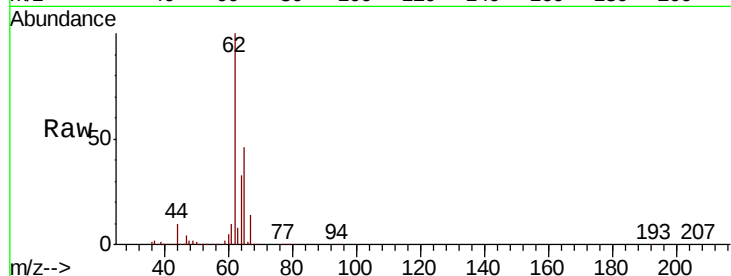
BFB84

Tgt Ion: 62 Resp: 121354

Ion Ratio Lower Upper

62 100

64 32.8 23.5 43.7



#6

Bromomethane

Concen: 5.580 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV007015.D

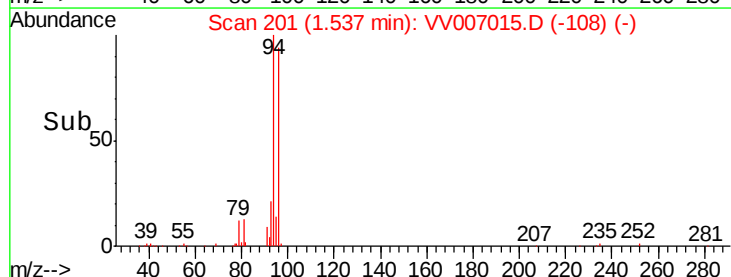
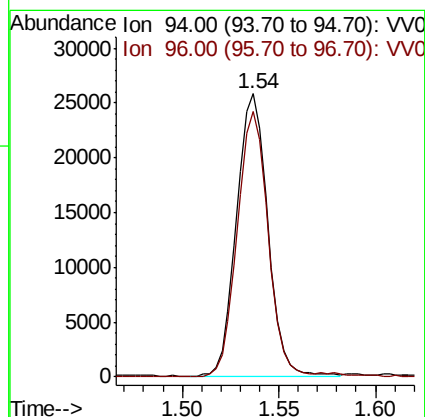
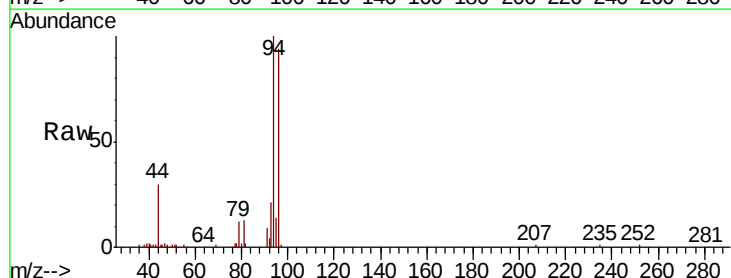
Acq: 15 Aug 2018 14:04

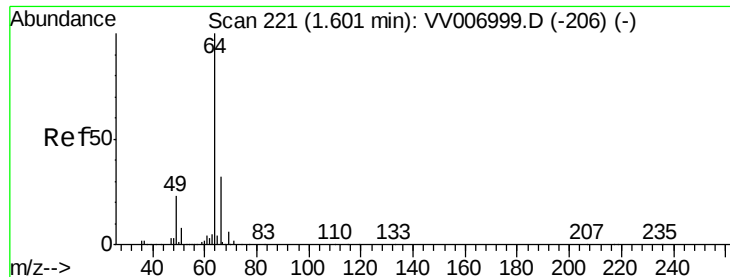
Tgt Ion: 94 Resp: 29147

Ion Ratio Lower Upper

94 100

96 93.7 65.0 120.6





#8

Chloroethane

Concen: 4.912 ug/L

RT: 1.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

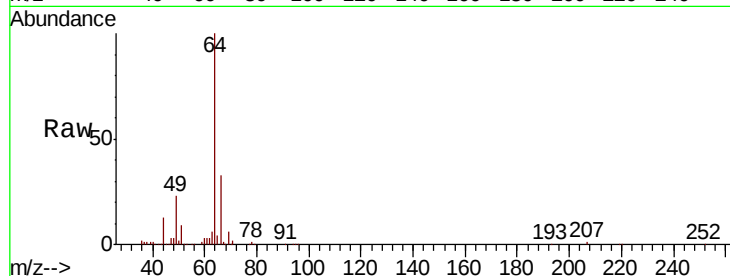
BFB84

Tgt Ion: 64 Resp: 71726

Ion Ratio Lower Upper

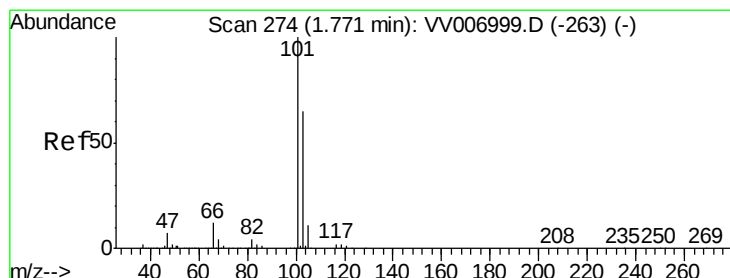
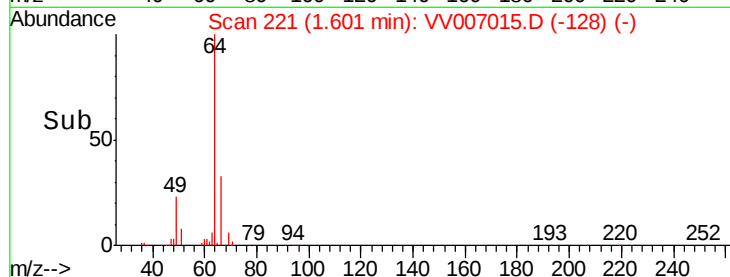
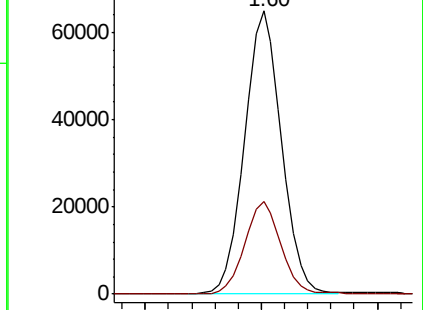
64 100

66 32.6 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VV006999.D (-206) (-)

Ion 66.05 (65.75 to 66.75): VV006999.D (-206) (-)



#9

Trichlorofluoromethane

Concen: 5.133 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV007015.D

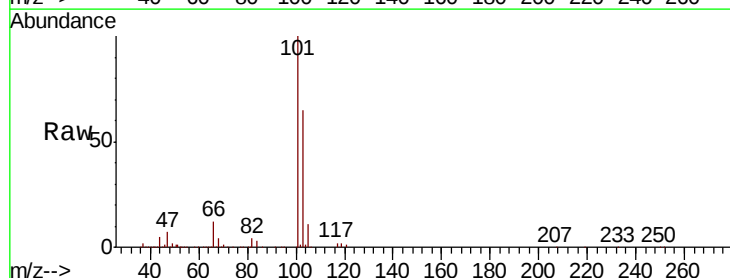
Acq: 15 Aug 2018 14:04

Tgt Ion: 101 Resp: 157179

Ion Ratio Lower Upper

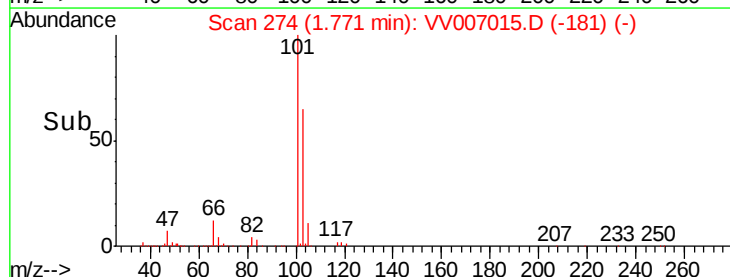
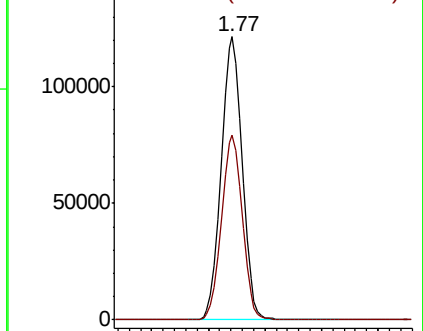
101 100

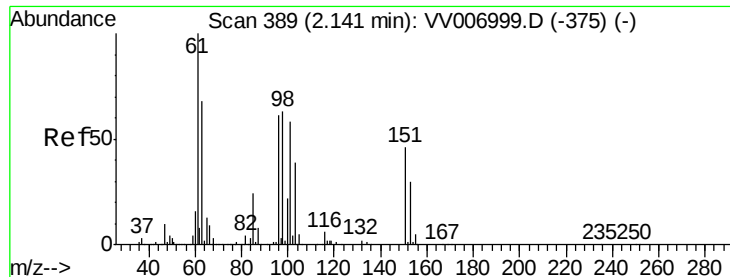
103 64.8 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VV006999.D (-263) (-)

Ion 103.00 (102.70 to 103.70): VV006999.D (-263) (-)





#10

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

Concen: 5.153 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

BFB84

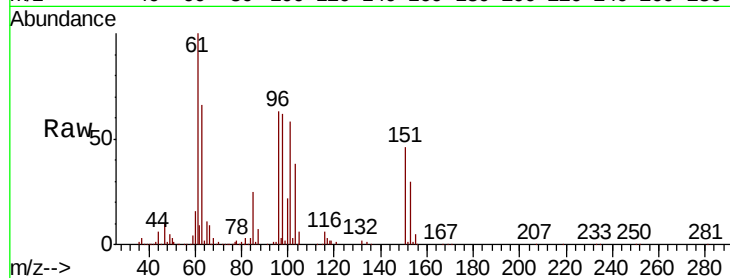
Tgt Ion: 101 Resp: 94696

Ion Ratio Lower Upper

101 100

85 42.5 33.9 50.9

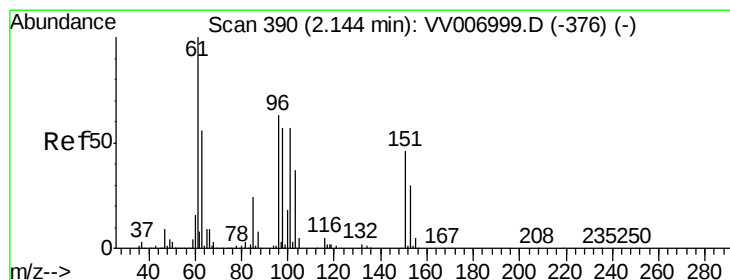
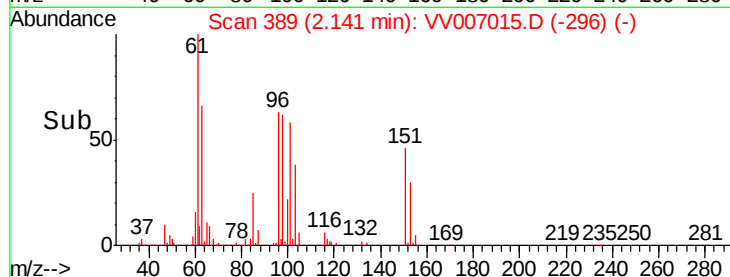
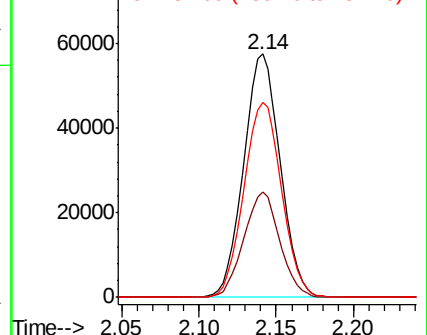
151 82.5 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.086 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

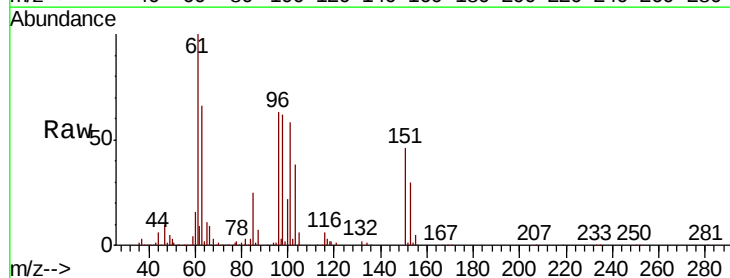
Tgt Ion: 96 Resp: 90731

Ion Ratio Lower Upper

96 100

61 158.8 111.6 207.4

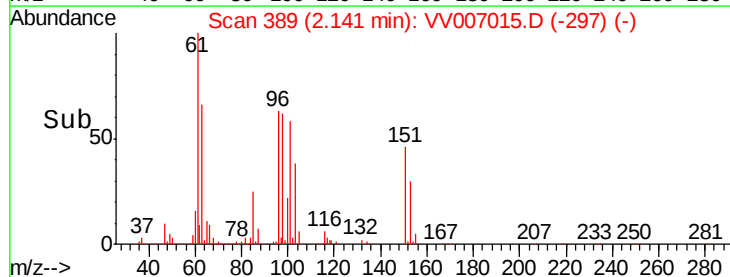
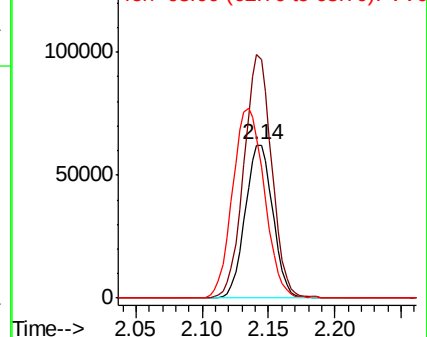
63 104.5 84.9 157.7

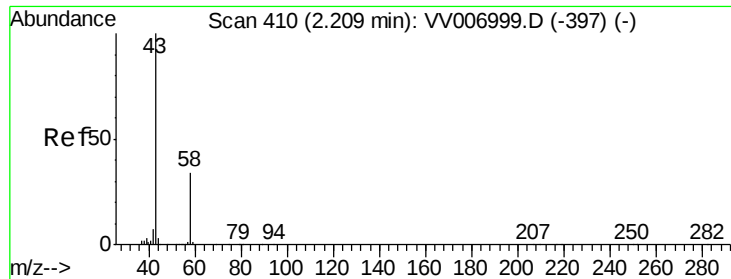


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 36.425 ug/L

RT: 2.21 min Scan# 409

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

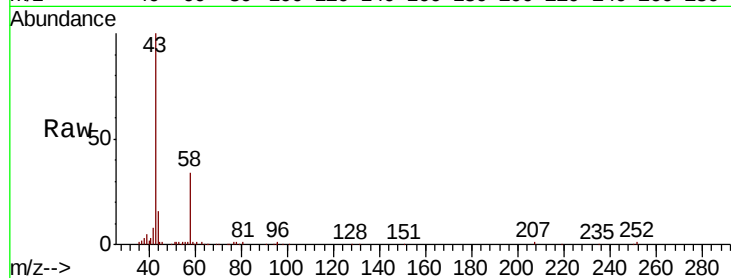
BFB84

Tgt Ion: 43 Resp: 86501

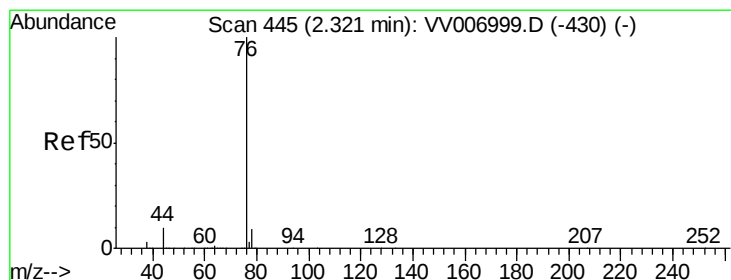
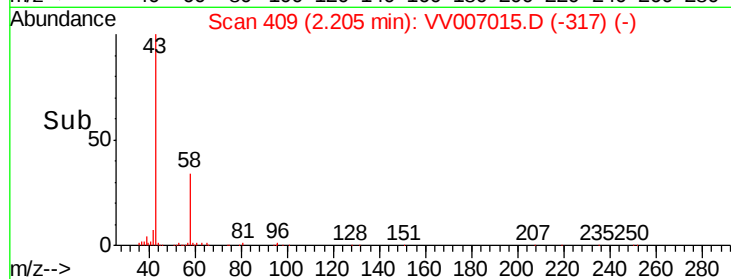
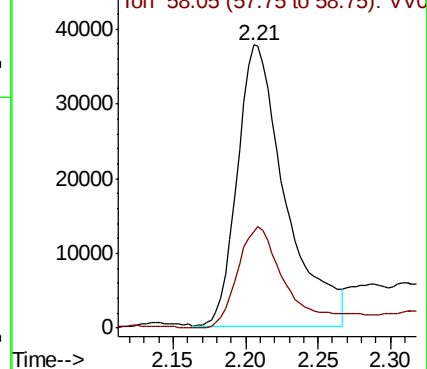
Ion Ratio Lower Upper

43 100

58 35.6 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV006999.D (-397) (-)



#14

Carbon disulfide

Concen: 4.799 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV007015.D

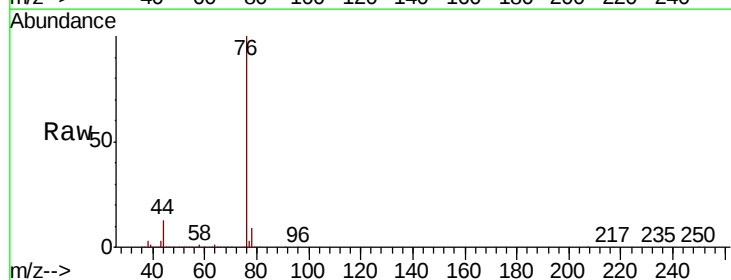
Acq: 15 Aug 2018 14:04

Tgt Ion: 76 Resp: 282619

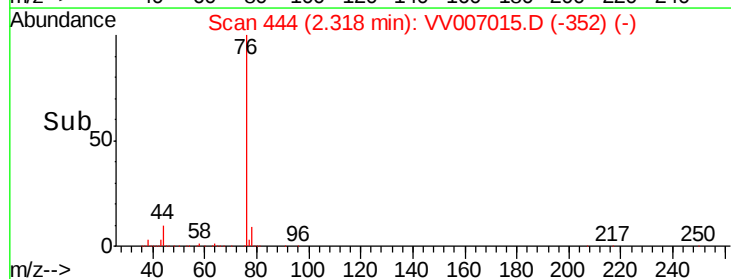
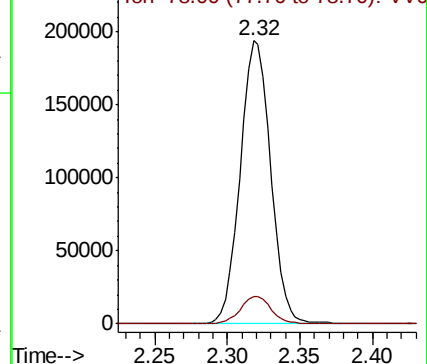
Ion Ratio Lower Upper

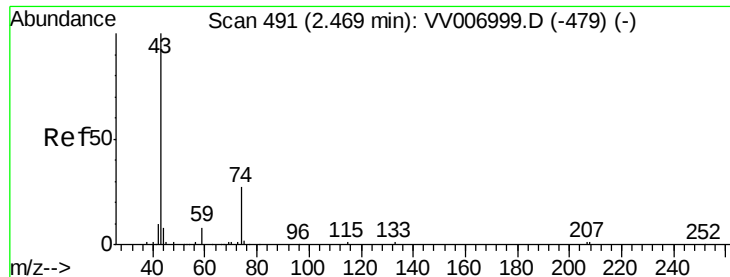
76 100

78 9.5 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV006999.D (-430) (-)

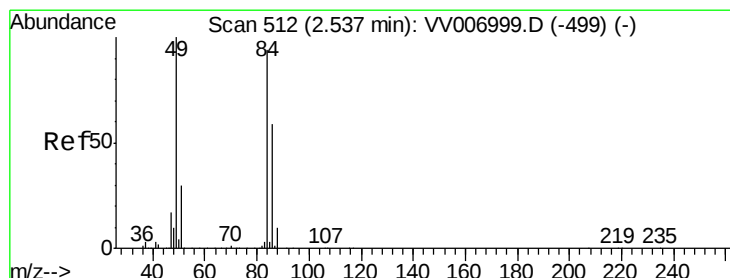
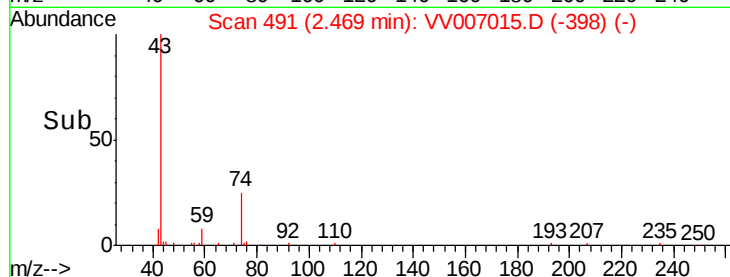
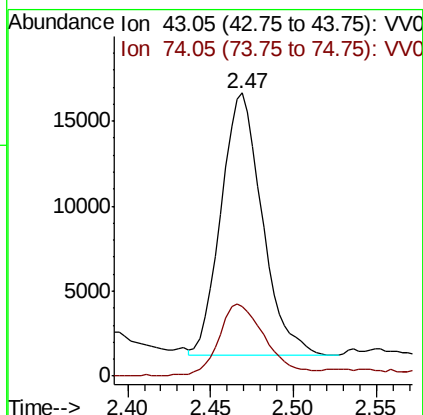
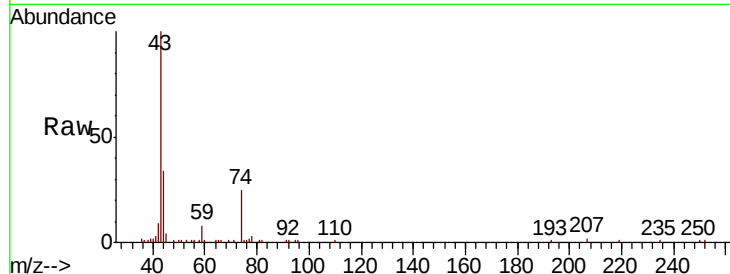




#15
Methyl Acetate
Concen: 3.985 ug/L
RT: 2.47 min Scan# 491
Delta R.T. -0.00 min
Lab File: VV007015.D
Acq: 15 Aug 2018 14:04

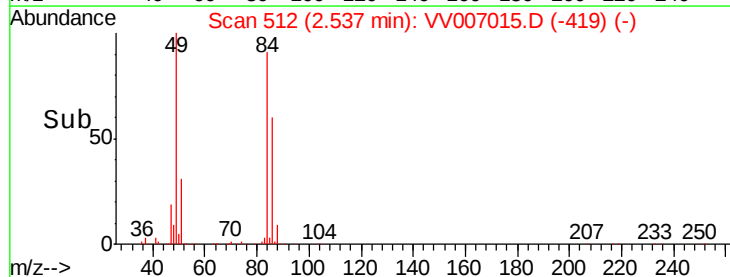
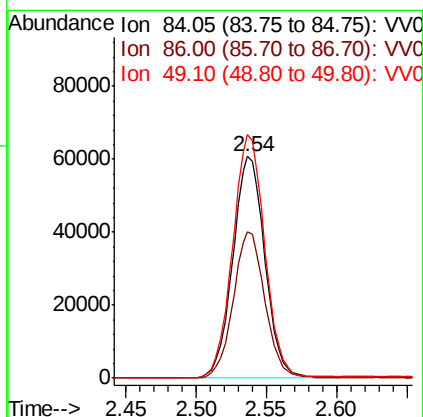
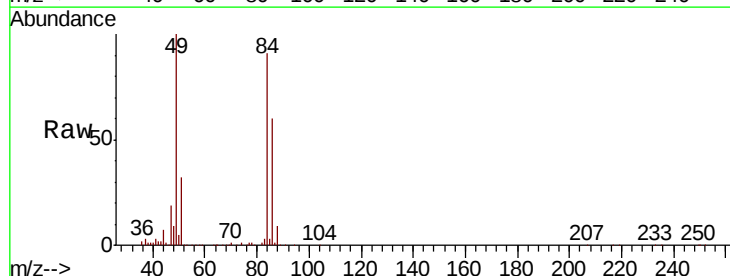
Instrument :
MSVOA_V
ClientSampleId :
BFB84

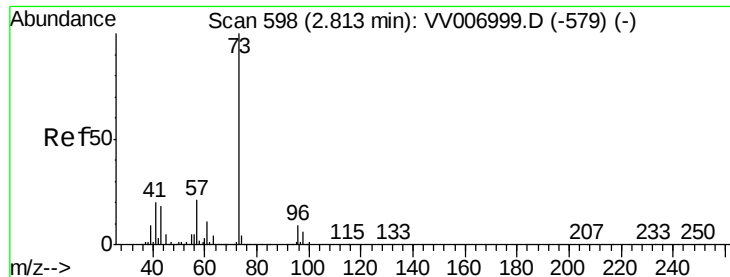
Tgt Ion: 43 Resp: 26635
Ion Ratio Lower Upper
43 100
74 31.5 24.6 37.0



#16
Methylene chloride
Concen: 4.512 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV007015.D
Acq: 15 Aug 2018 14:04

Tgt Ion: 84 Resp: 97046
Ion Ratio Lower Upper
84 100
86 66.1 45.7 84.9
49 109.8 78.8 146.4





#17

Methyl tert-butyl Ether

Concen: 4.912 ug/L

RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

BFB84

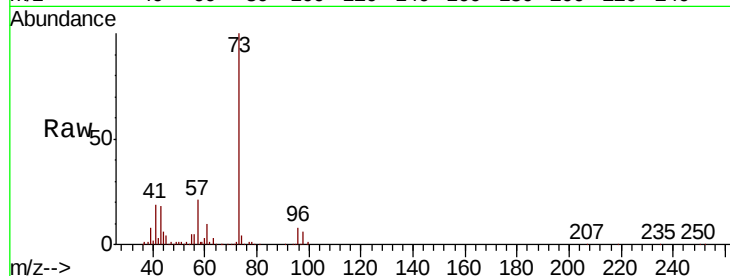
Tgt Ion: 73 Resp: 210102

Ion Ratio Lower Upper

73 100

43 17.2 14.4 21.6

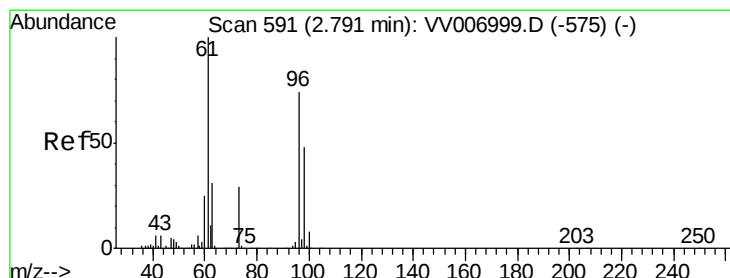
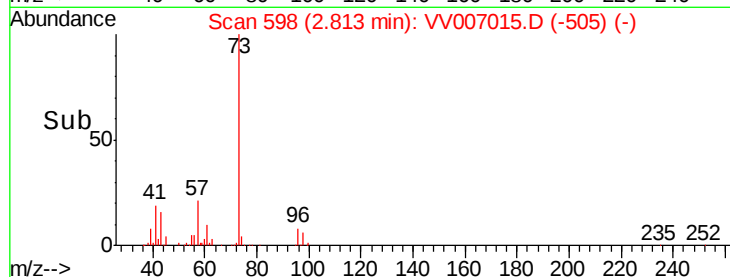
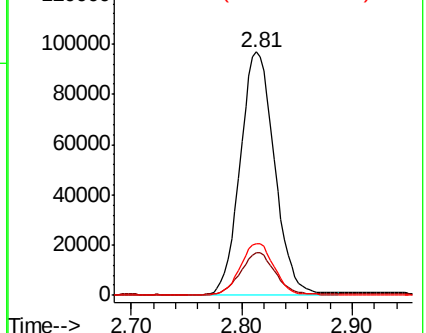
57 21.3 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV006999.D (-579) (-)

Ion 43.05 (42.75 to 43.75): VV006999.D (-579) (-)

Ion 57.10 (56.80 to 57.80): VV006999.D (-579) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.095 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

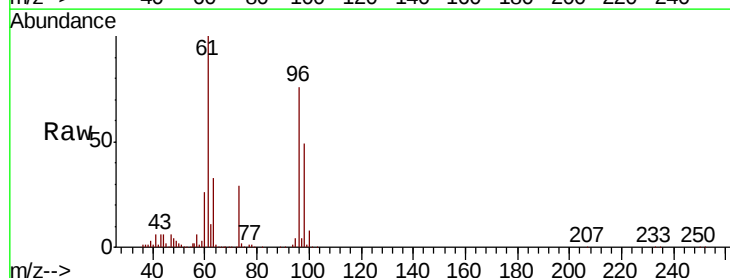
Tgt Ion: 96 Resp: 97338

Ion Ratio Lower Upper

96 100

61 132.2 91.1 169.3

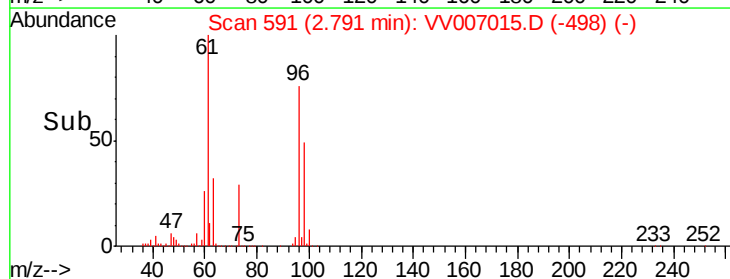
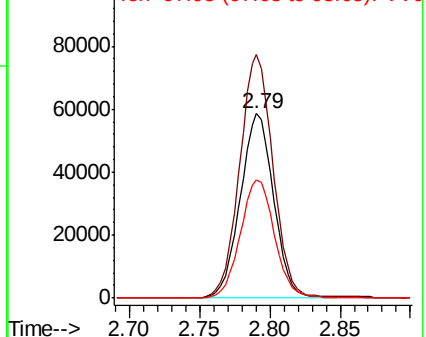
98 64.5 43.5 80.9

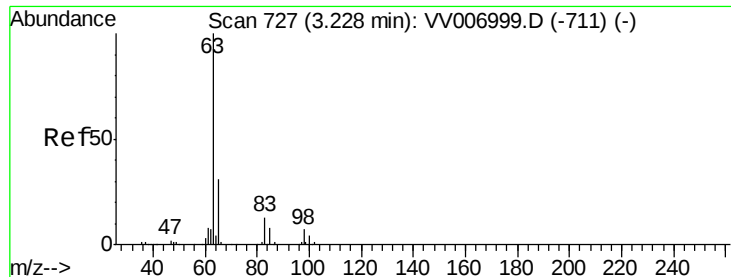


Abundance Ion 96.00 (95.70 to 96.70): VV006999.D (-575) (-)

Ion 61.05 (60.75 to 61.75): VV006999.D (-575) (-)

Ion 97.95 (97.65 to 98.65): VV006999.D (-575) (-)

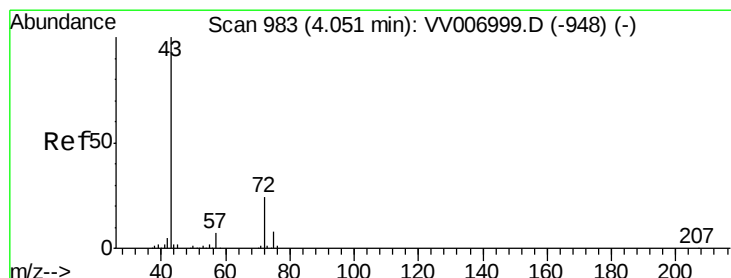
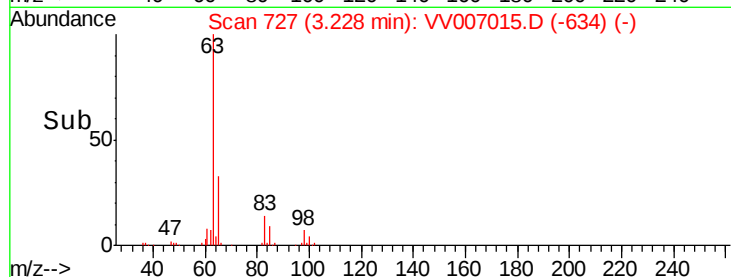
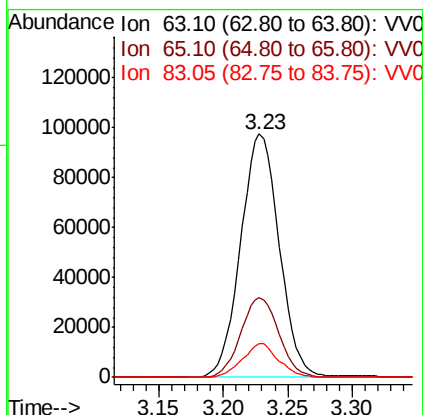
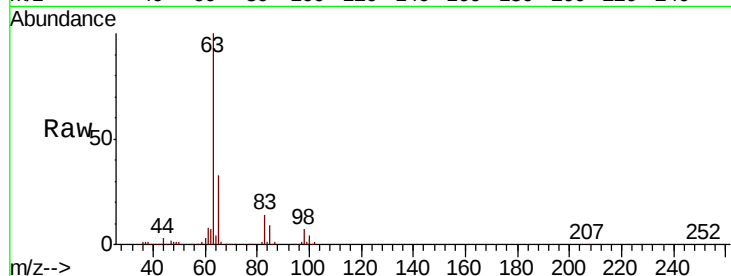




#19
 1,1-Dichloroethane
 Concen: 5.872 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV007015.D
 Acq: 15 Aug 2018 14:04

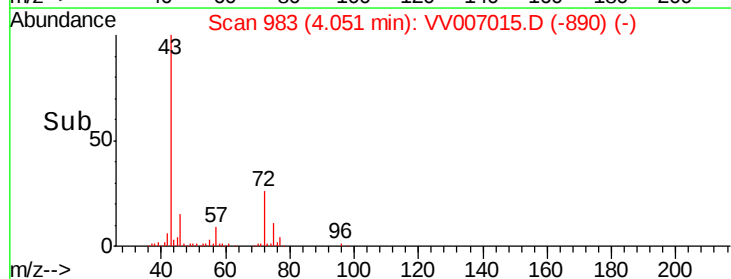
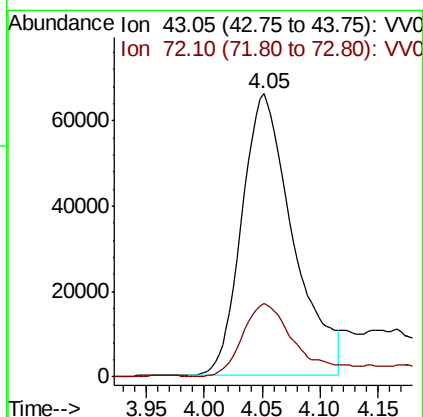
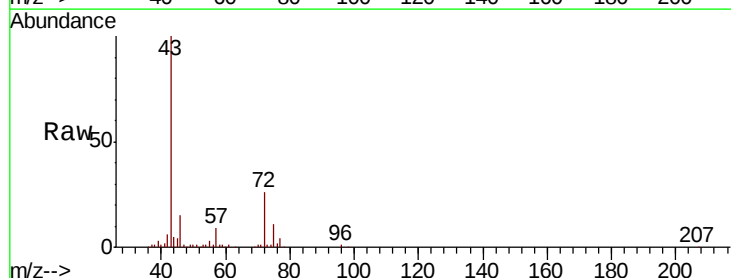
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB84

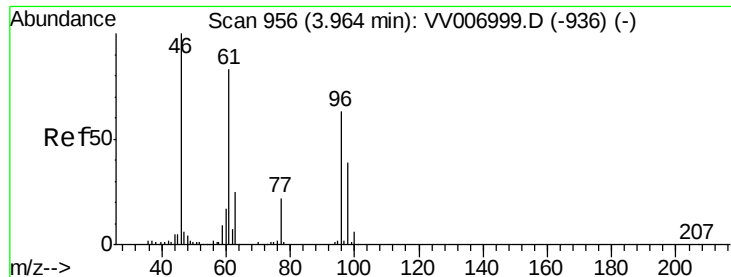
Tgt Ion: 63 Resp: 202504
 Ion Ratio Lower Upper
 63 100
 65 32.5 21.7 40.3
 83 13.7 10.0 18.6



#21
 2-Butanone
 Concen: 39.218 ug/L
 RT: 4.05 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VV007015.D
 Acq: 15 Aug 2018 14:04

Tgt Ion: 43 Resp: 202209
 Ion Ratio Lower Upper
 43 100
 72 27.2 12.4 37.2



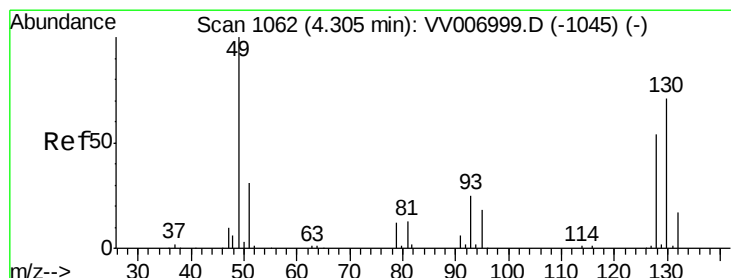
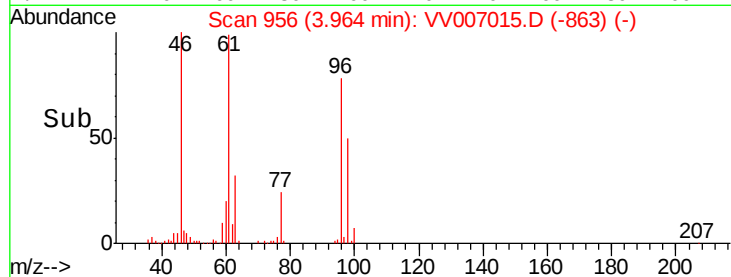
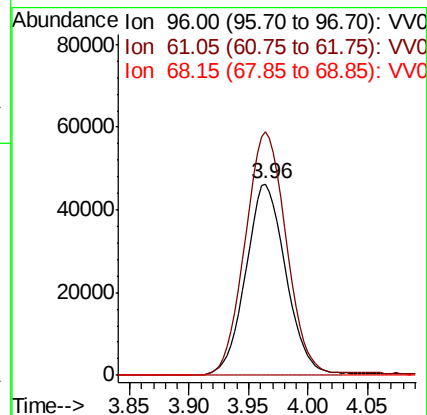
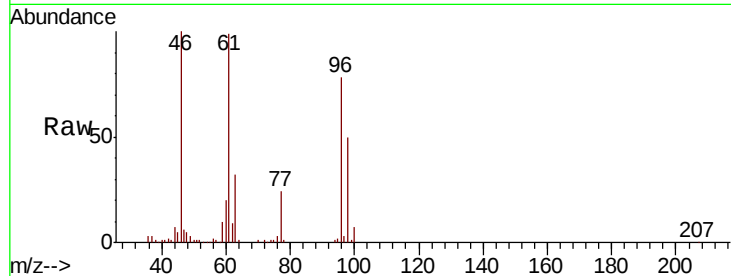


#22

cis-1,2-Dichloroethene
 Concen: 4.996 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VV007015.D
 Acq: 15 Aug 2018 14:04

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB84

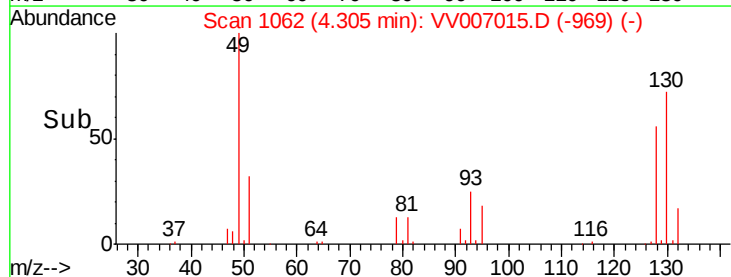
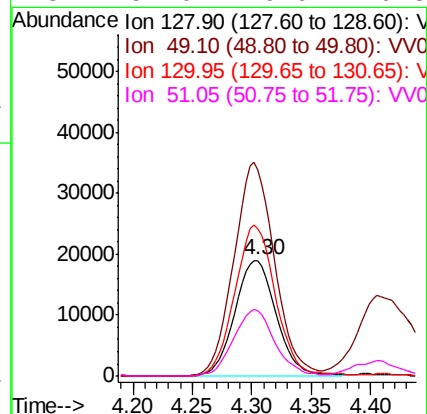
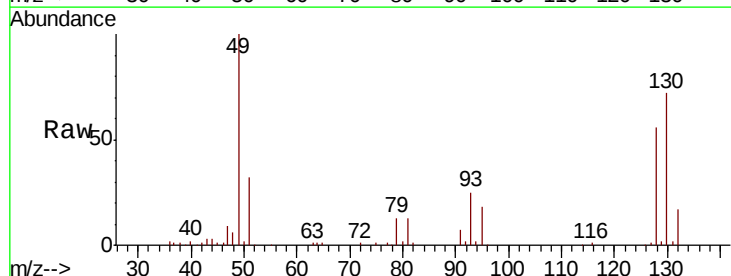
Tgt Ion: 96 Resp: 108294
 Ion Ratio Lower Upper
 96 100
 61 127.3 91.1 169.1
 68 0.0 0.0 0.0

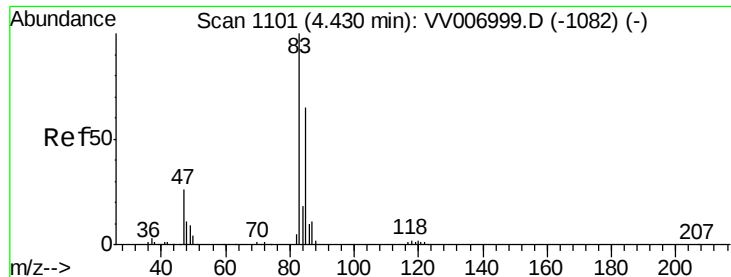


#23

Bromochloromethane
 Concen: 5.190 ug/L
 RT: 4.30 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: VV007015.D
 Acq: 15 Aug 2018 14:04

Tgt Ion: 128 Resp: 45854
 Ion Ratio Lower Upper
 128 100
 49 178.4 138.6 257.4
 130 127.7 90.0 167.2
 51 57.0 46.9 70.3

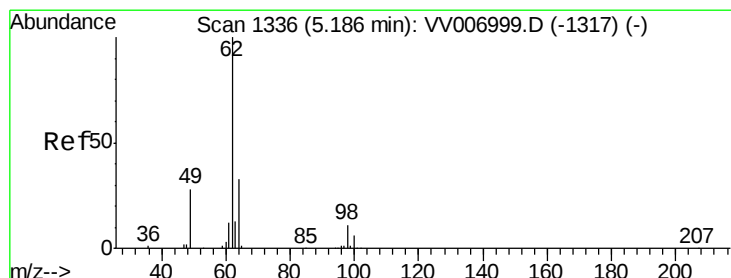
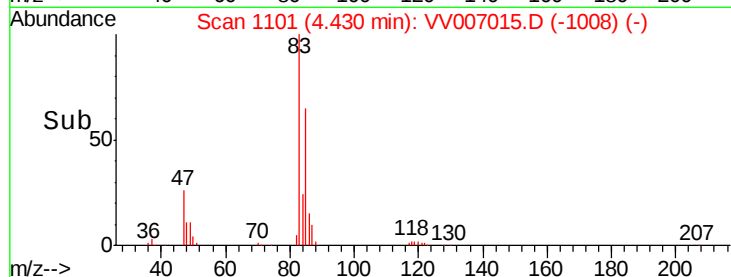
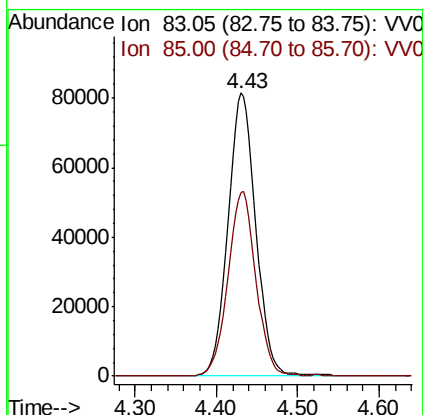
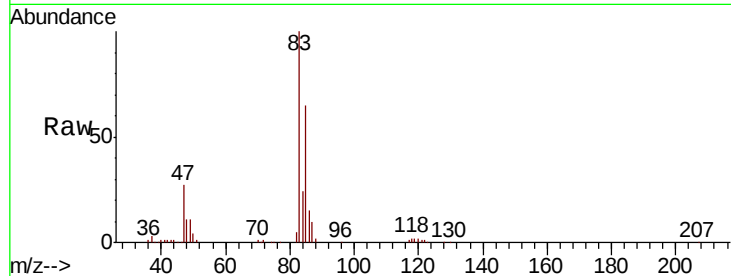




#25
Chloroform
Concen: 5.169 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV007015.D
Acq: 15 Aug 2018 14:04

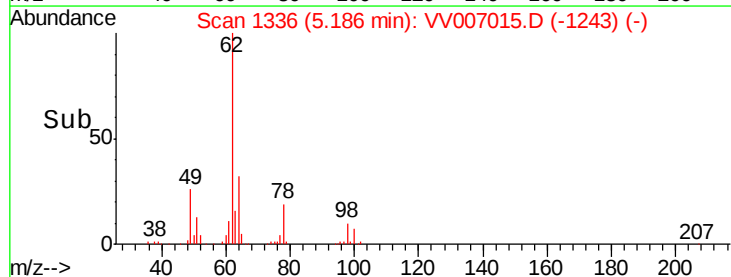
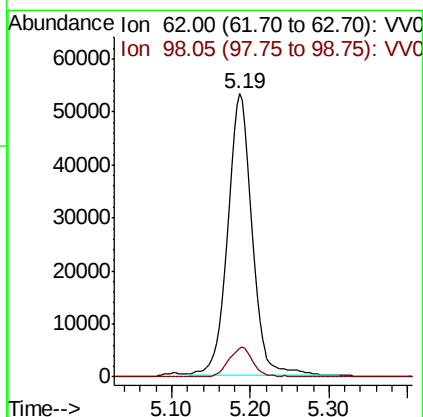
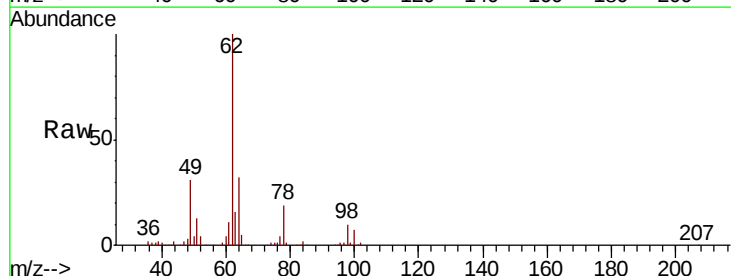
Instrument :
MSVOA_V
ClientSampleId :
BFB84

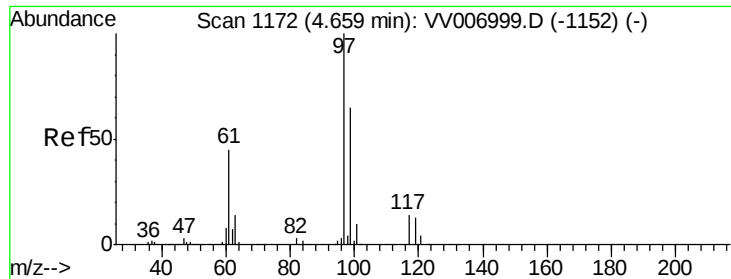
Tgt Ion: 83 Resp: 195025
Ion Ratio Lower Upper
83 100
85 64.9 44.7 82.9



#27
1,2-Dichloroethane
Concen: 4.851 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV007015.D
Acq: 15 Aug 2018 14:04

Tgt Ion: 62 Resp: 114164
Ion Ratio Lower Upper
62 100
98 10.1 7.6 11.4

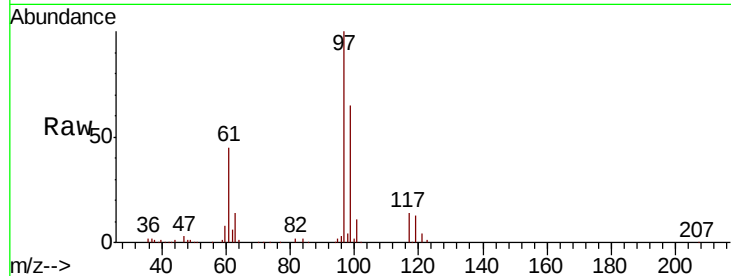




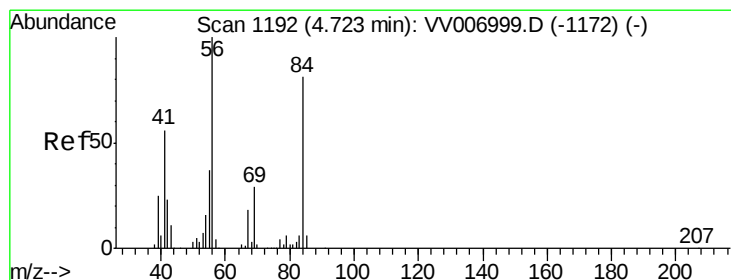
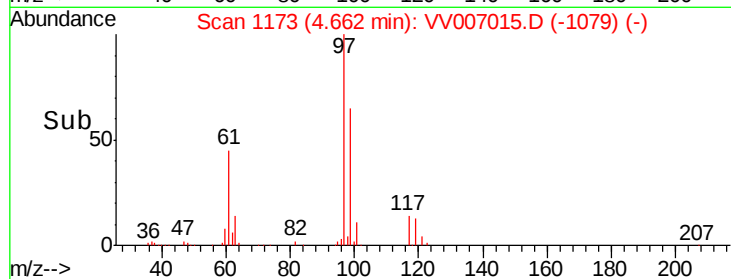
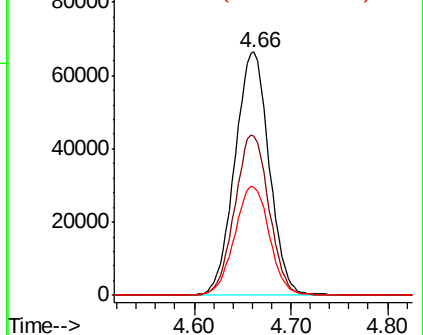
#29
 1,1,1-Trichloroethane
 Concen: 5.167 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV007015.D
 Acq: 15 Aug 2018 14:04

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB84

Tgt Ion: 97 Resp: 163950
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.0 76.6
 61 45.7 36.6 54.8

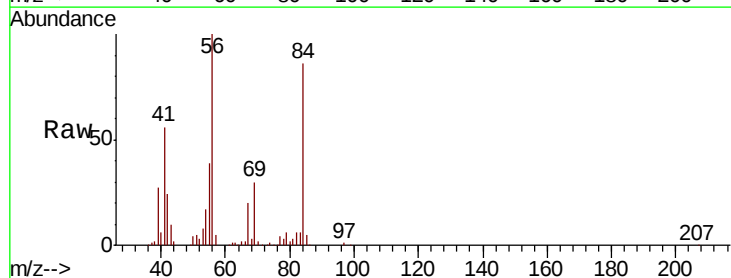


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

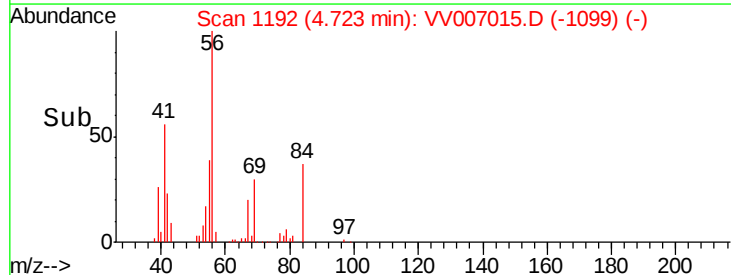
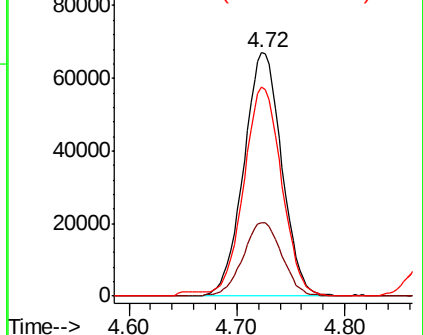


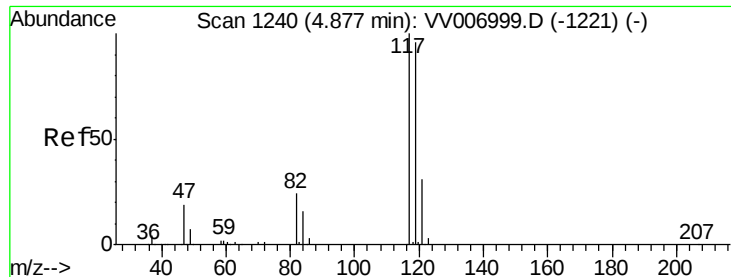
#30
 Cyclohexane
 Concen: 4.975 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VV007015.D
 Acq: 15 Aug 2018 14:04

Tgt Ion: 56 Resp: 164312
 Ion Ratio Lower Upper
 56 100
 69 30.8 23.8 35.6
 84 85.3 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: 5.404 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

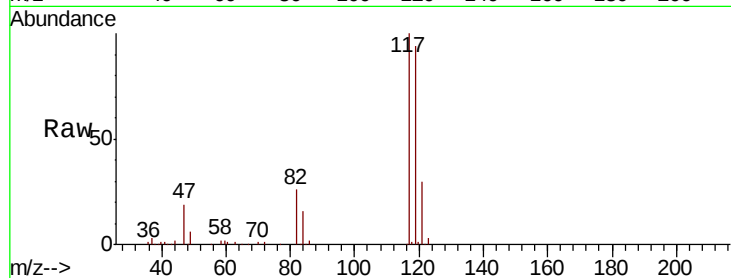
BFB84

Tgt Ion:117 Resp: 143804

Ion Ratio Lower Upper

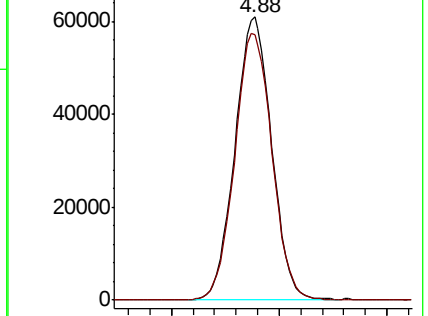
117 100

119 95.9 76.2 114.4

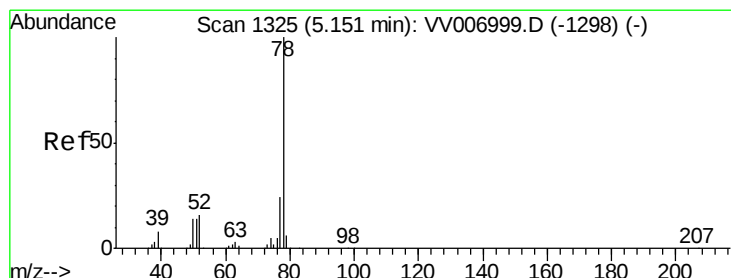
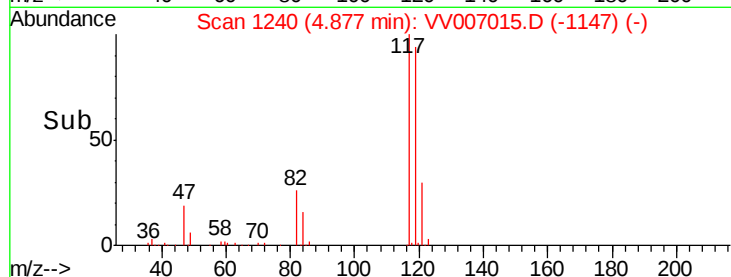


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



Time-->



#33

Benzene

Concen: 5.324 ug/L

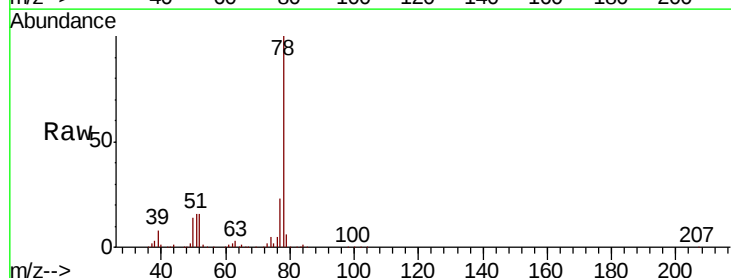
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

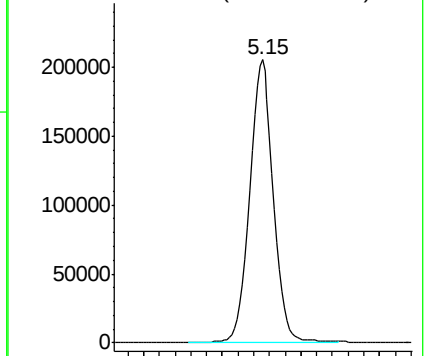
Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

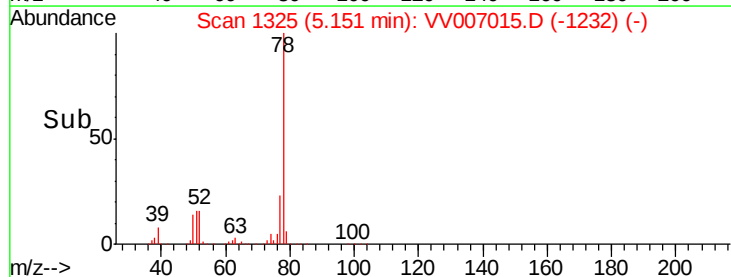
Tgt Ion: 78 Resp: 438911

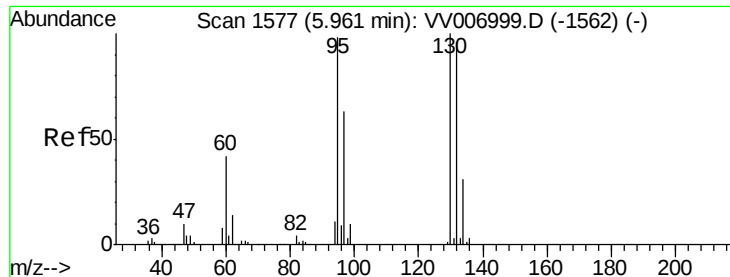


Abundance Ion 78.10 (77.80 to 78.80): VV0



Time-->





#34

Trichloroethene

Concen: 5.228 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

BFB84

Tgt Ion: 95 Resp: 103348

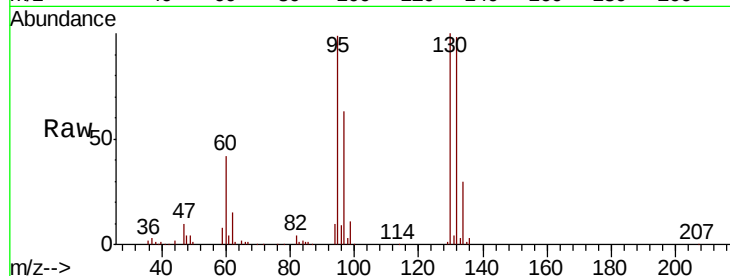
Ion Ratio Lower Upper

95 100

97 63.8 44.8 83.2

132 98.7 65.5 121.6

130 101.2 66.4 123.4

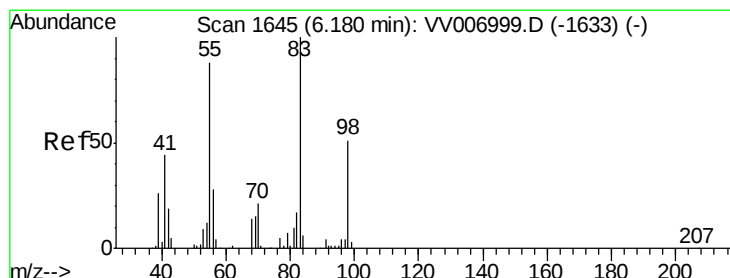
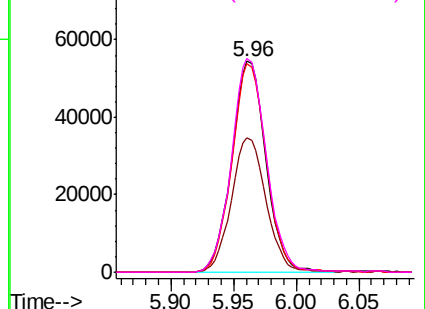
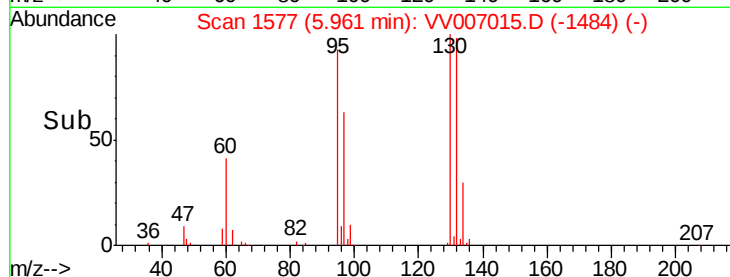


Abundance Ion 95.00 (94.70 to 95.70): VV006999.D (-1562) (-)

Ion 96.95 (96.65 to 97.65): VV006999.D (-1562) (-)

Ion 131.95 (131.65 to 132.65): VV006999.D (-1562) (-)

Ion 129.95 (129.65 to 130.65): VV006999.D (-1562) (-)



#35

Methylcyclohexane

Concen: 5.279 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

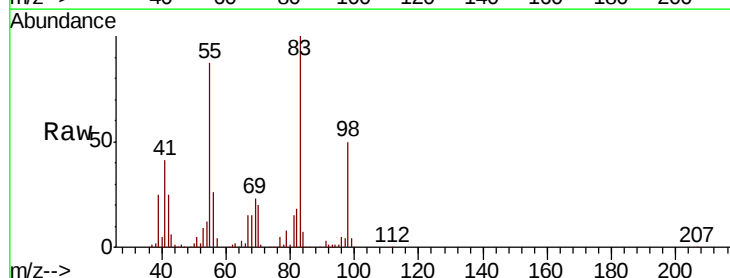
Tgt Ion: 83 Resp: 167522

Ion Ratio Lower Upper

83 100

55 83.9 68.1 102.1

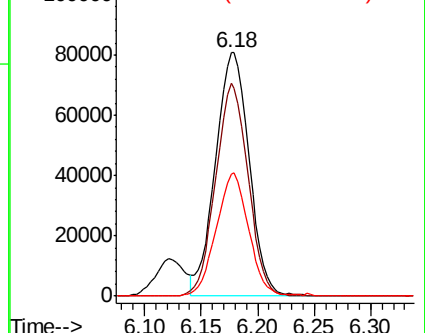
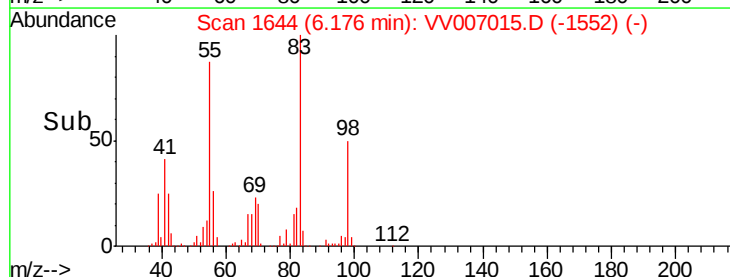
98 48.7 37.9 56.9

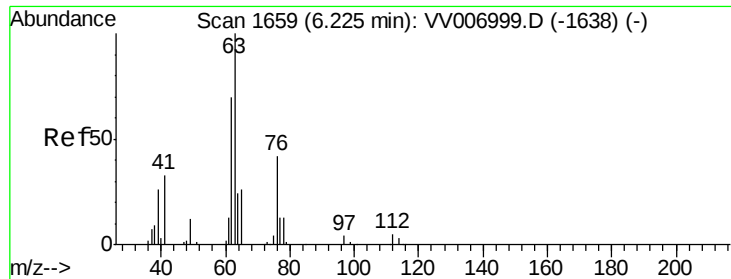


Abundance Ion 83.15 (82.85 to 83.85): VV006999.D (-1633) (-)

Ion 55.10 (54.80 to 55.80): VV006999.D (-1633) (-)

Ion 98.15 (97.85 to 98.85): VV006999.D (-1633) (-)





#37

1,2-Dichloropropane

Concen: 5.056 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

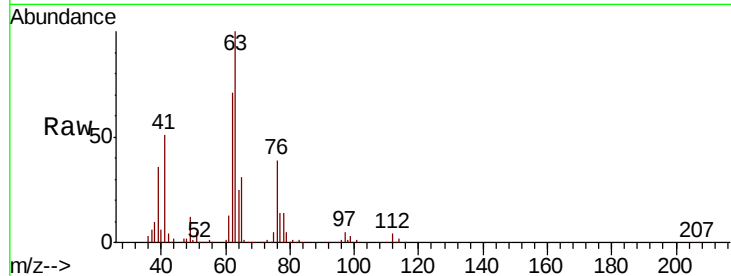
BFB84

Tgt Ion: 63 Resp: 114104

Ion Ratio Lower Upper

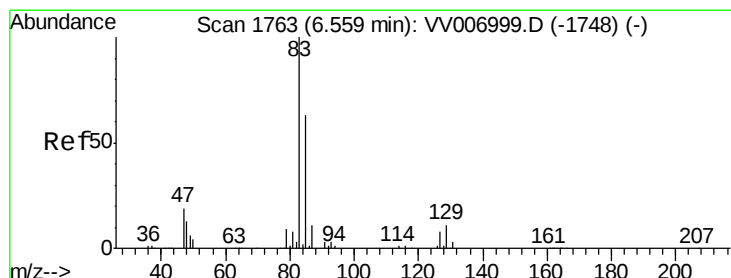
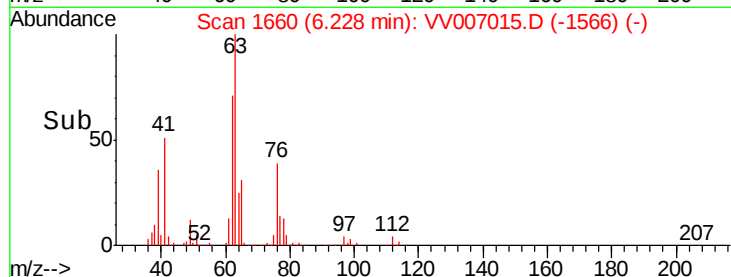
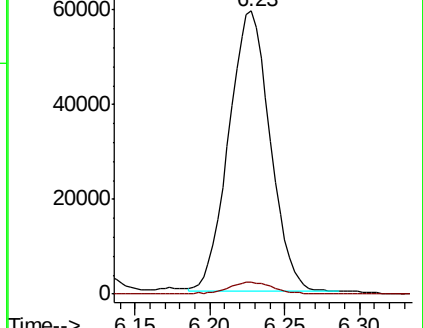
63 100

112 4.6 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VV006999.D (-1638) (-)

Ion 112.10 (111.80 to 112.80): VV006999.D (-1638) (-)



#38

Bromodichloromethane

Concen: 5.318 ug/L

RT: 6.56 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

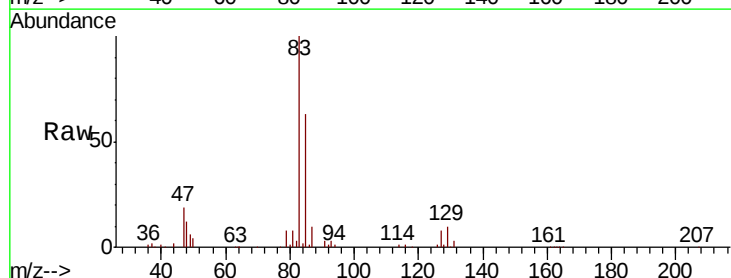
Tgt Ion: 83 Resp: 136364

Ion Ratio Lower Upper

83 100

85 63.3 43.8 81.4

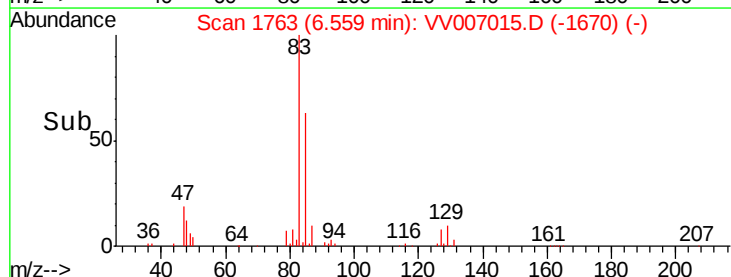
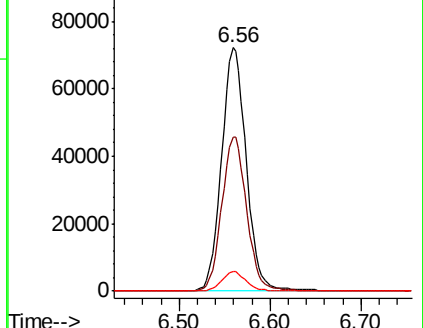
127 8.3 6.6 10.0

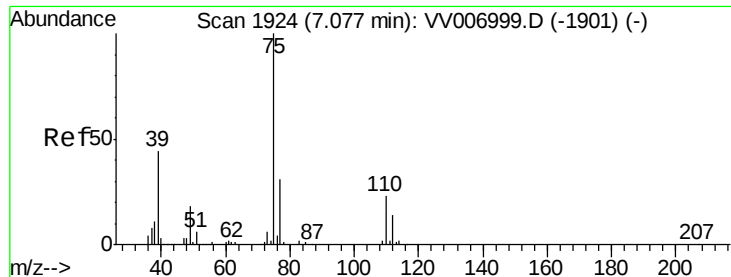


Abundance Ion 82.95 (82.65 to 83.65): VV006999.D (-1748) (-)

Ion 85.00 (84.70 to 85.70): VV006999.D (-1748) (-)

Ion 126.90 (126.60 to 127.60): VV006999.D (-1748) (-)

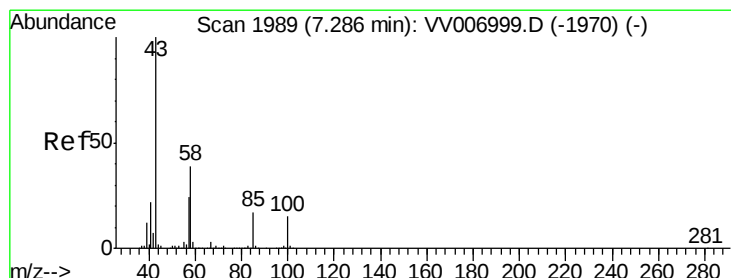
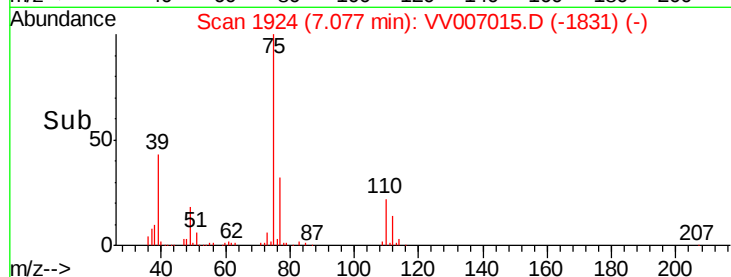
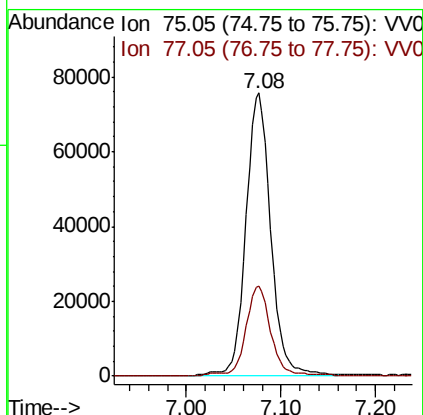
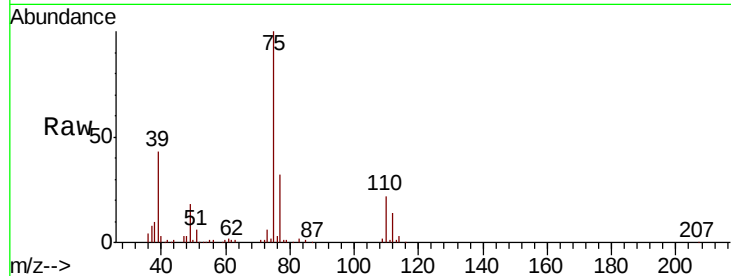




#39
 cis-1,3-Dichloropropene
 Concen: 5.101 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV007015.D
 Acq: 15 Aug 2018 14:04

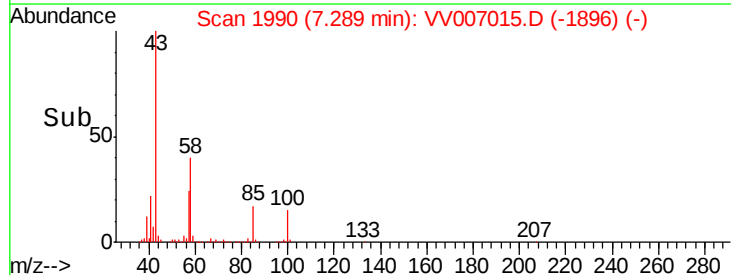
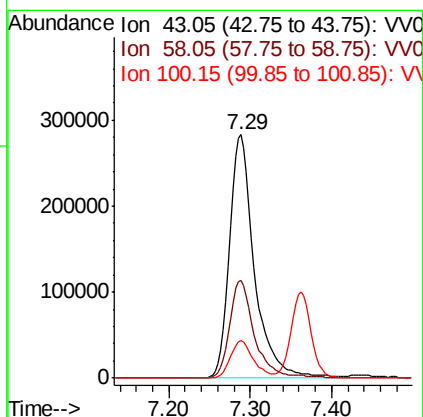
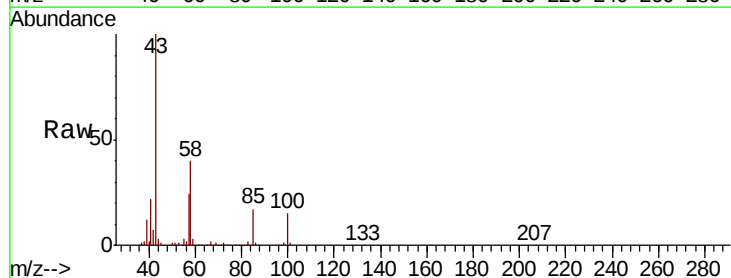
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB84

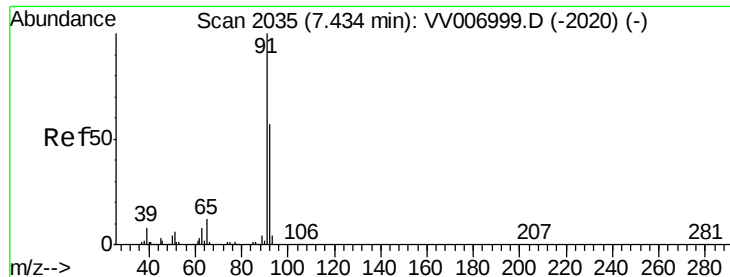
Tgt Ion: 75 Resp: 139059
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 49.794 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV007015.D
 Acq: 15 Aug 2018 14:04

Tgt Ion: 43 Resp: 606985
 Ion Ratio Lower Upper
 43 100
 58 40.2 30.7 46.1
 100 14.2 11.2 16.8





#42

Toluene

Concen: 5.527 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

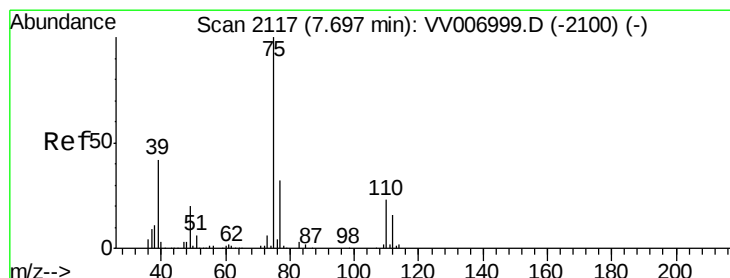
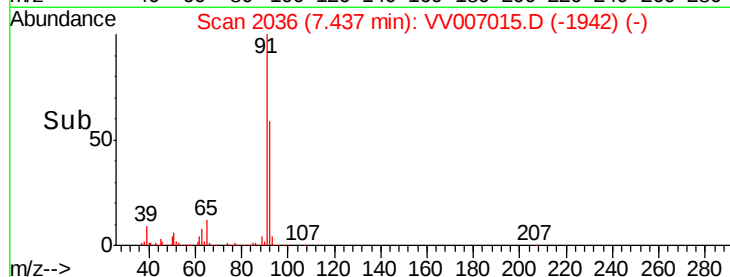
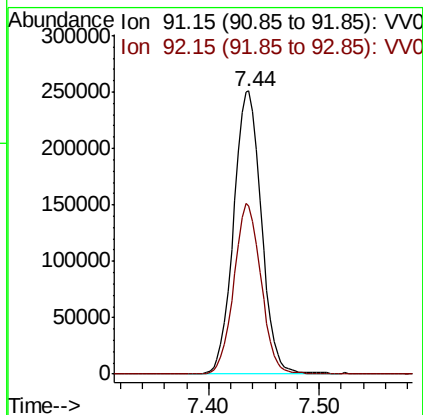
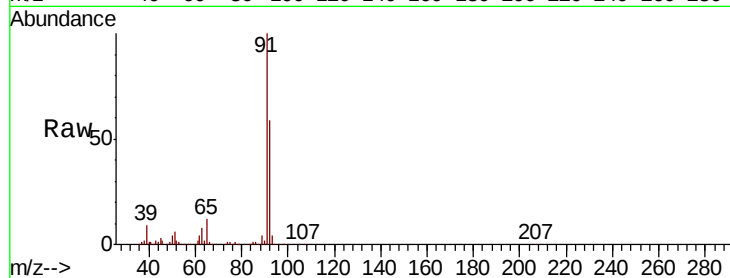
BFB84

Tgt Ion: 91 Resp: 437865

Ion Ratio Lower Upper

91 100

92 59.4 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.145 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007015.D

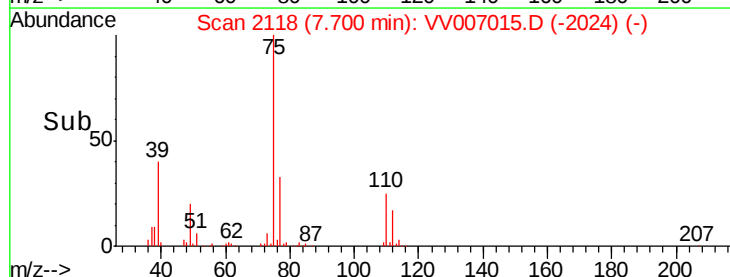
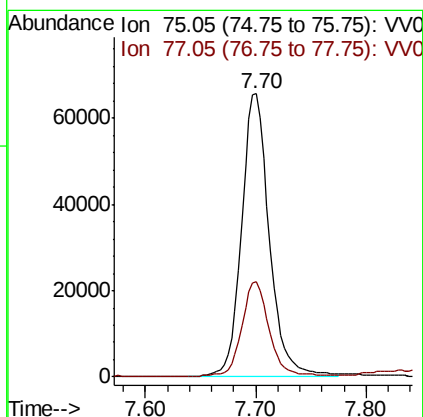
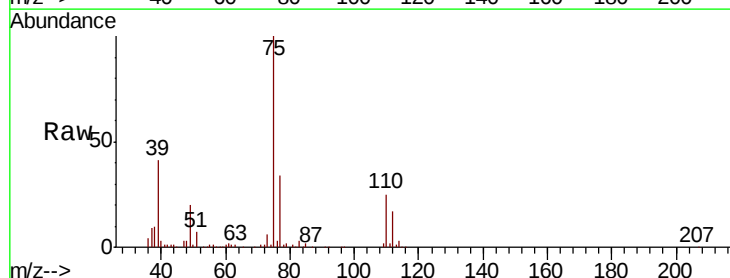
Acq: 15 Aug 2018 14:04

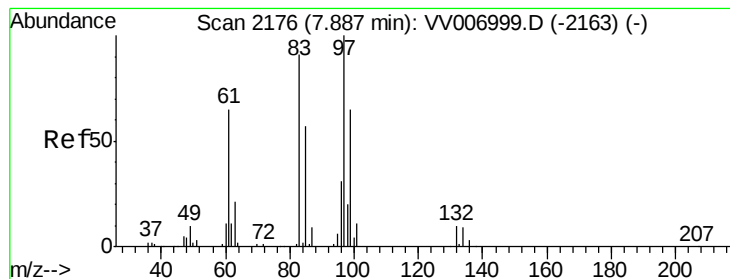
Tgt Ion: 75 Resp: 115124

Ion Ratio Lower Upper

75 100

77 33.5 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 5.093 ug/L

RT: 7.89 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

BFB84

Tgt Ion: 97 Resp: 74764

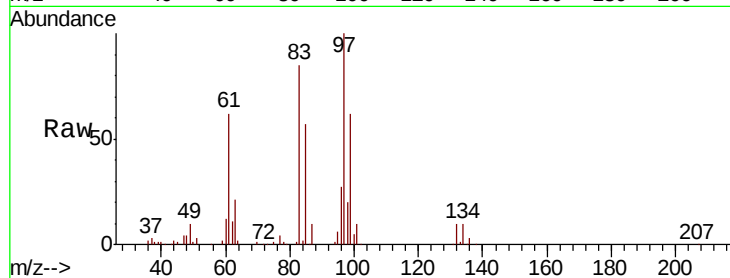
Ion Ratio Lower Upper

97 100

99 62.0 40.6 75.4

83 85.5 58.0 107.8

85 57.2 37.5 69.7



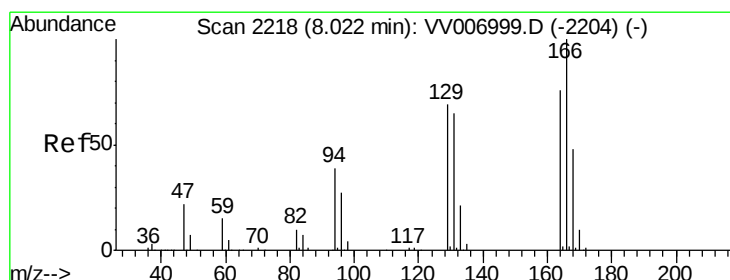
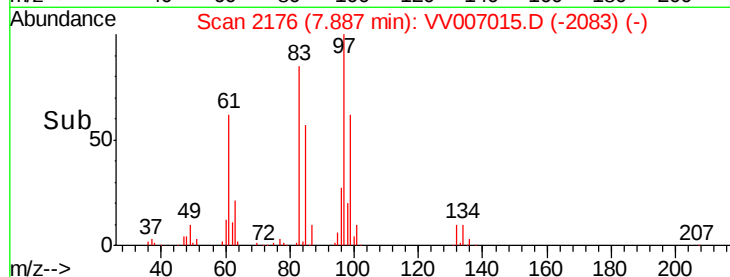
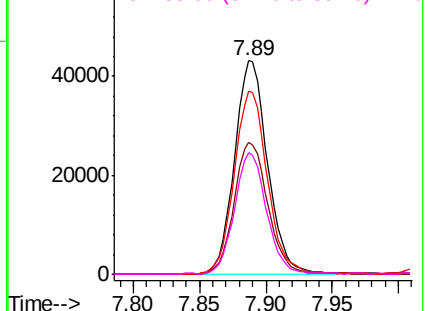
Abundance

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: 5.373 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

Tgt Ion: 164 Resp: 86118

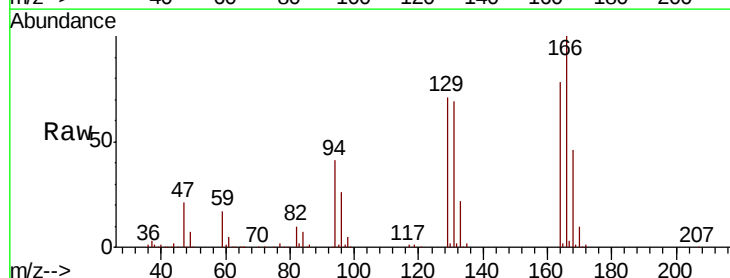
Ion Ratio Lower Upper

164 100

129 91.4 65.9 122.3

131 89.0 64.2 119.2

166 128.6 89.4 166.0



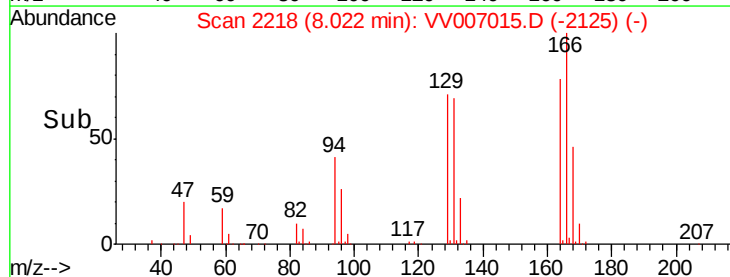
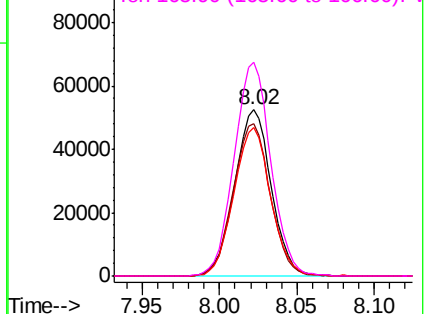
Abundance

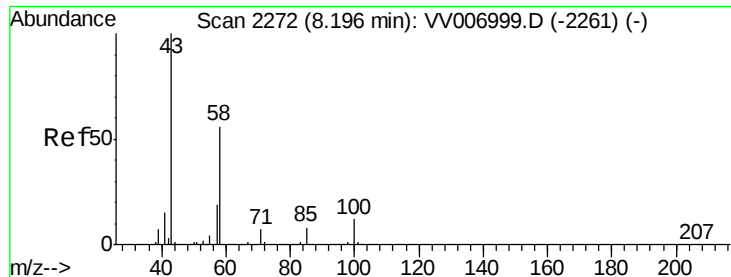
Ion 163.90 (163.60 to 164.60): V

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

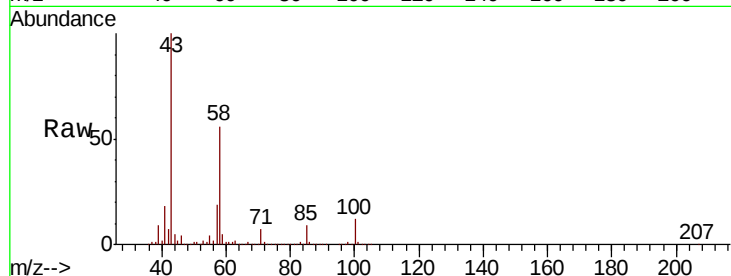




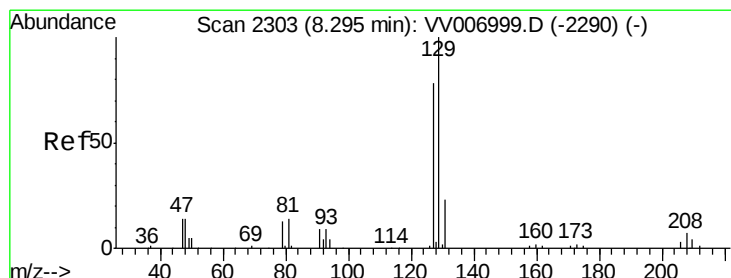
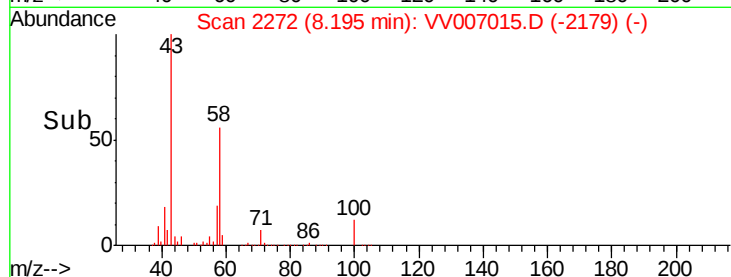
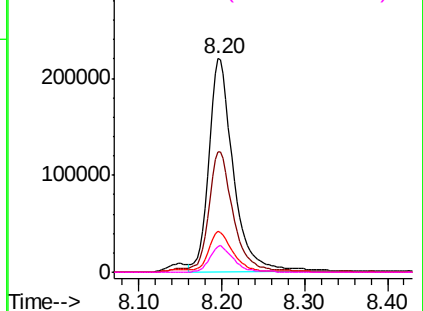
#48
2-Hexanone
Concen: 52.424 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV007015.D
Acq: 15 Aug 2018 14:04

Instrument :
MSVOA_V
ClientSampleId :
BFB84

Tgt Ion:	43	Resp:	450710
Ion	Ratio	Lower	Upper
43	100		
58	55.9	44.2	66.2
57	18.4	14.8	22.2
100	12.2	8.8	13.2

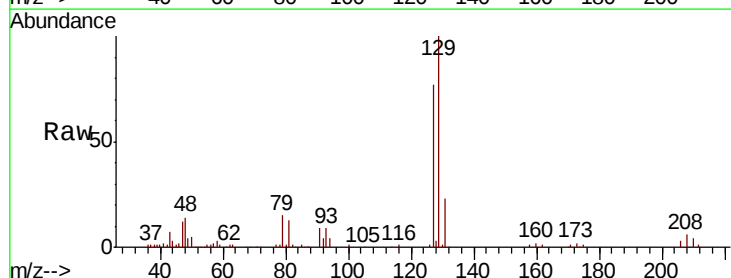


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

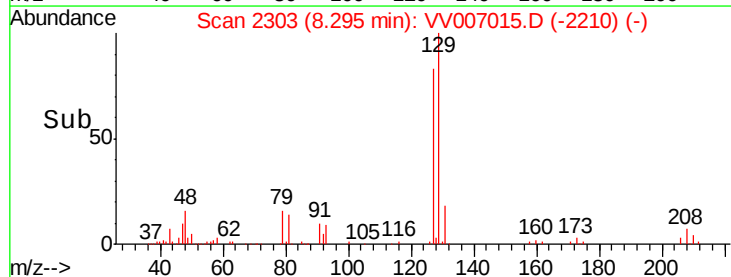
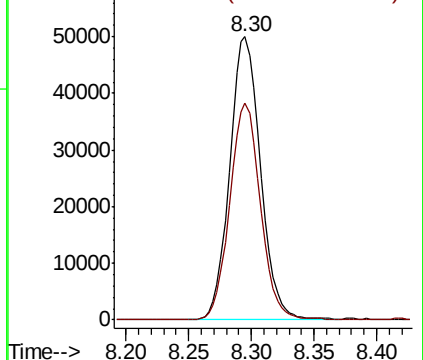


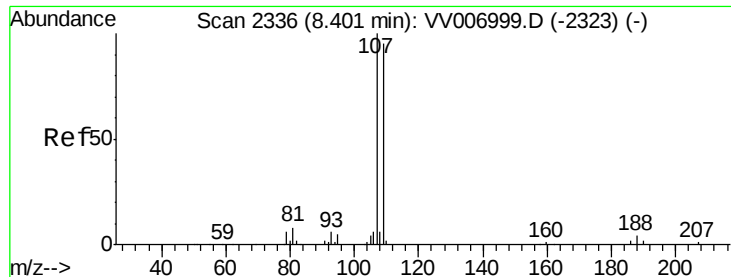
#49
Dibromochloromethane
Concen: 5.539 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007015.D
Acq: 15 Aug 2018 14:04

Tgt Ion:	129	Resp:	85306
Ion	Ratio	Lower	Upper
129	100		
127	76.7	53.3	98.9



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





#50

1,2-Dibromoethane

Concen: 5.394 ug/L

RT: 8.40 min Scan# 2336

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

BFB84

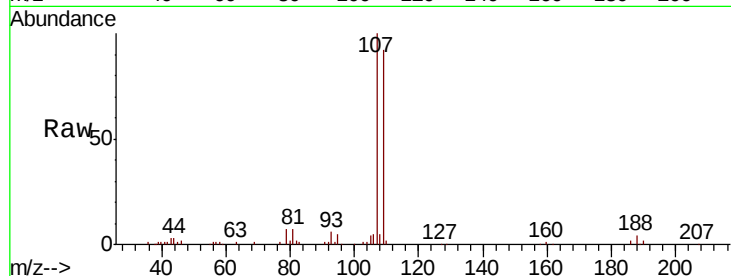
Tgt Ion:107 Resp: 66896

Ion Ratio Lower Upper

107 100

109 92.4 64.1 119.1

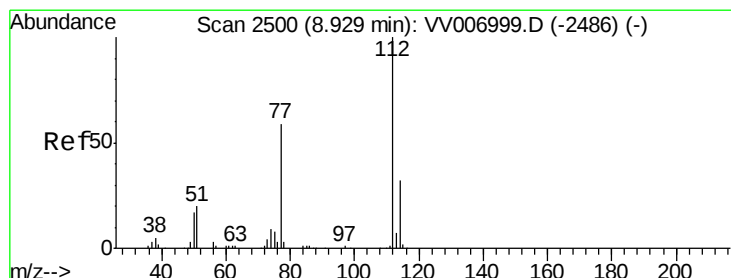
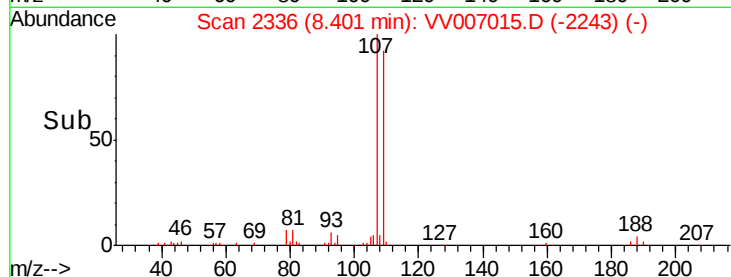
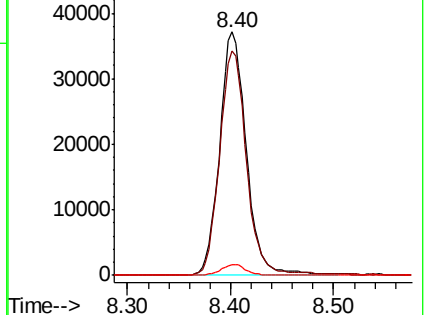
188 4.2 4.0 6.0



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: 5.295 ug/L

RT: 8.93 min Scan# 2500

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

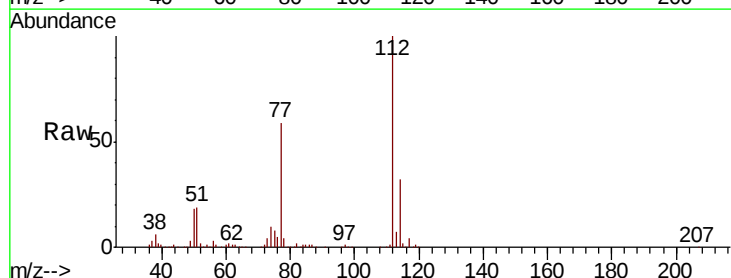
Tgt Ion:112 Resp: 267403

Ion Ratio Lower Upper

112 100

114 32.0 21.8 40.6

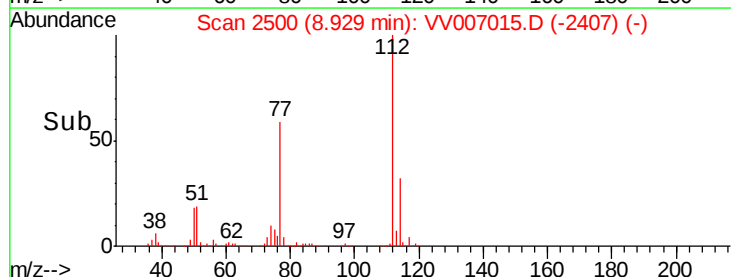
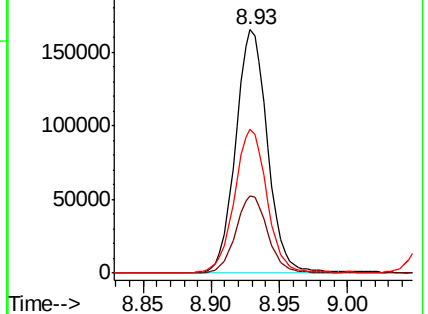
77 59.0 48.0 72.0

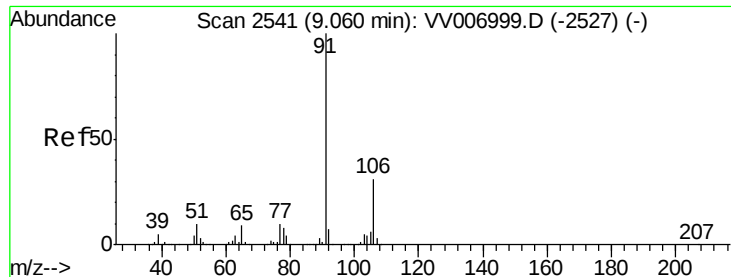


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.391 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

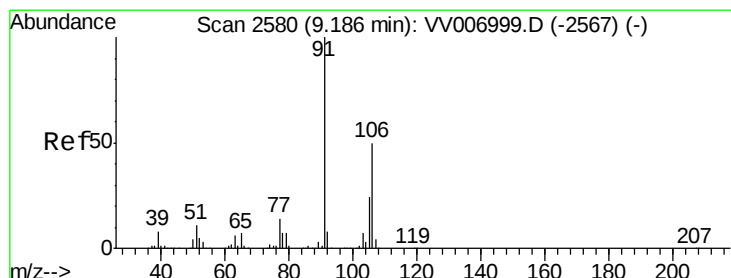
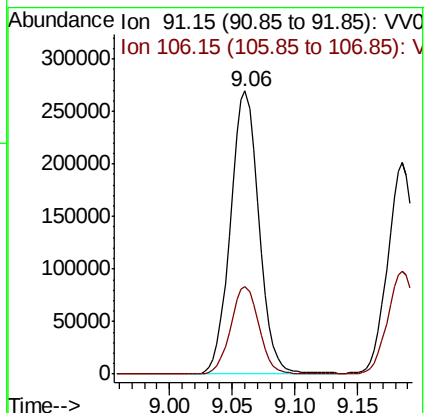
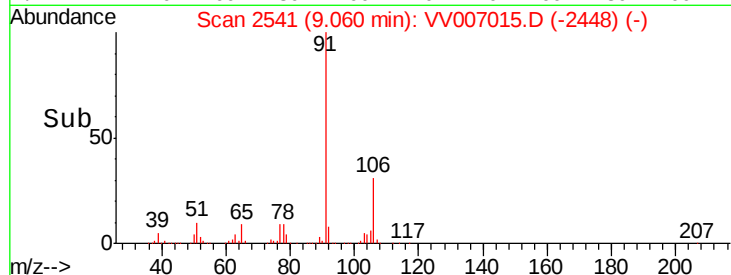
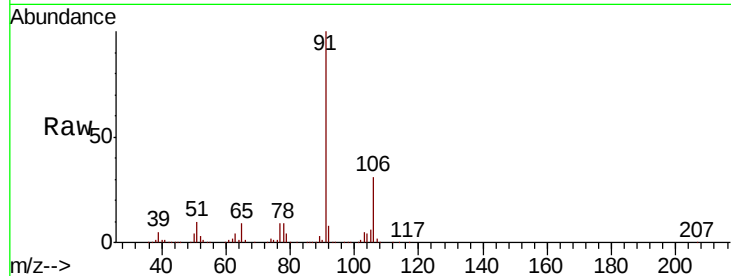
BFB84

Tgt Ion: 91 Resp: 426462

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.5



#53

m,p-xylene

Concen: 5.518 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007015.D

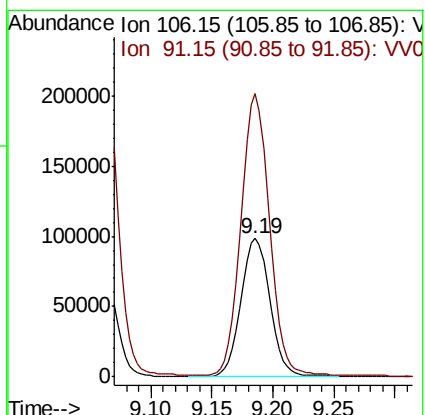
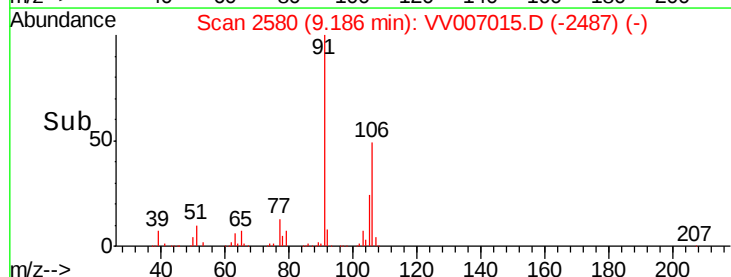
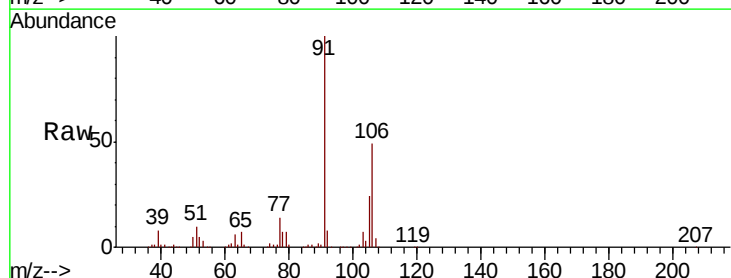
Acq: 15 Aug 2018 14:04

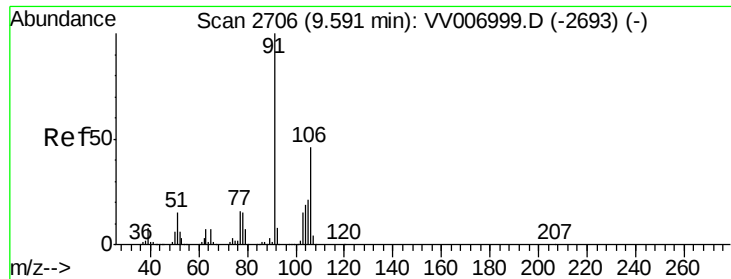
Tgt Ion: 106 Resp: 162719

Ion Ratio Lower Upper

106 100

91 204.8 141.6 263.0

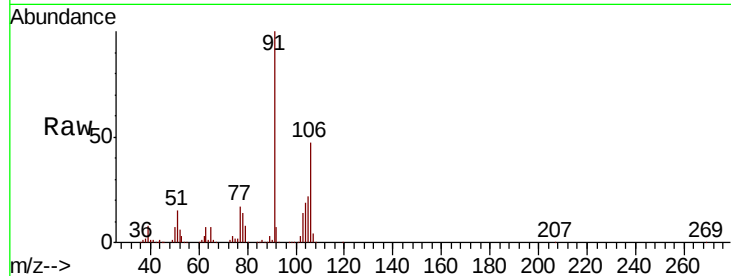




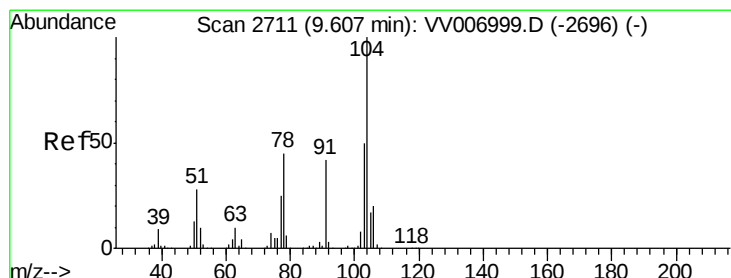
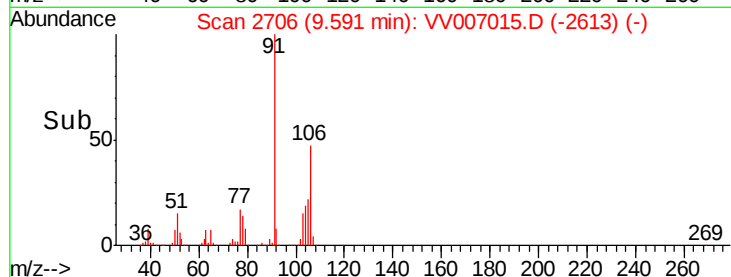
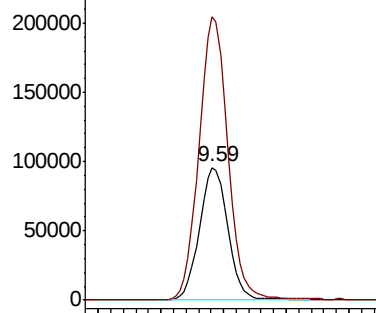
#54
o-xylene
Concen: 5.403 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VV007015.D
Acq: 15 Aug 2018 14:04

Instrument :
MSVOA_V
ClientSampleId :
BFB84

Tgt Ion:106 Resp: 150975
Ion Ratio Lower Upper
106 100
91 213.2 149.8 278.2

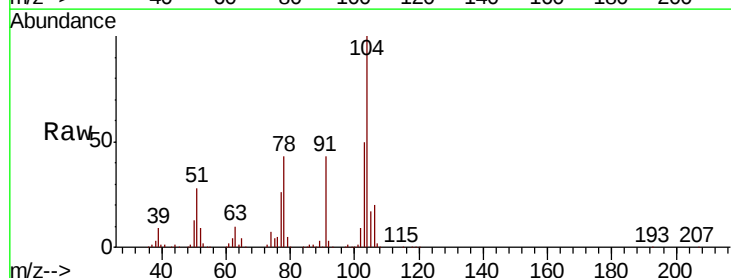


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

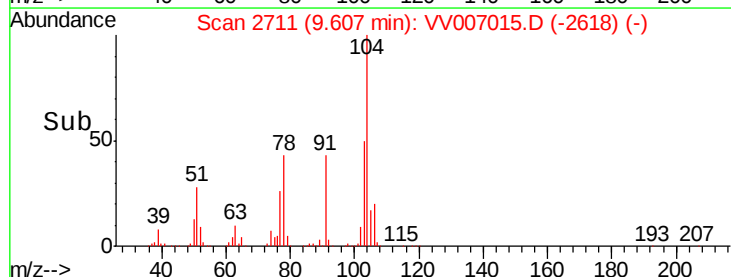
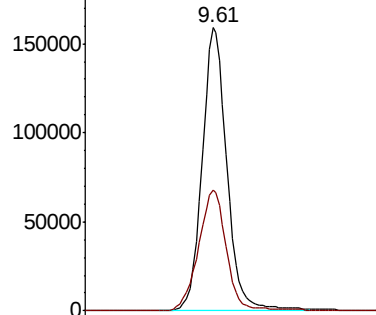


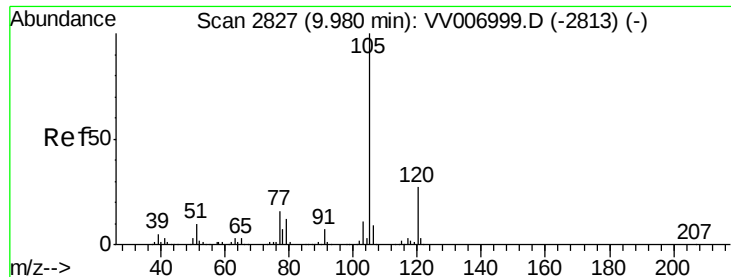
#55
Styrene
Concen: 5.648 ug/L
RT: 9.61 min Scan# 2711
Delta R.T. -0.00 min
Lab File: VV007015.D
Acq: 15 Aug 2018 14:04

Tgt Ion:104 Resp: 266033
Ion Ratio Lower Upper
104 100
78 42.8 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: 5.451 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

BFB84

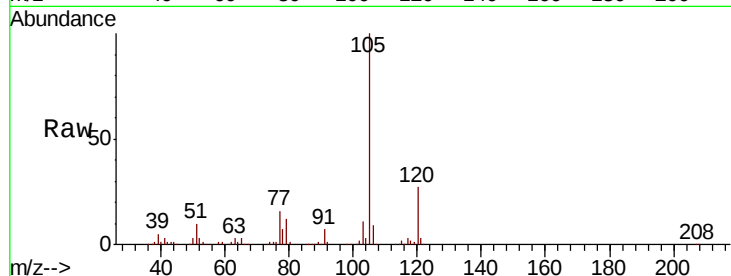
Tgt Ion:105 Resp: 399647

Ion Ratio Lower Upper

105 100

120 26.7 21.1 31.7

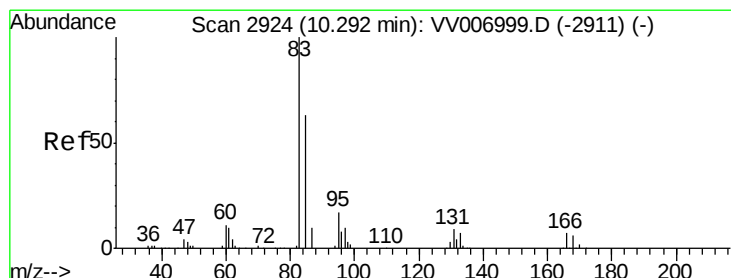
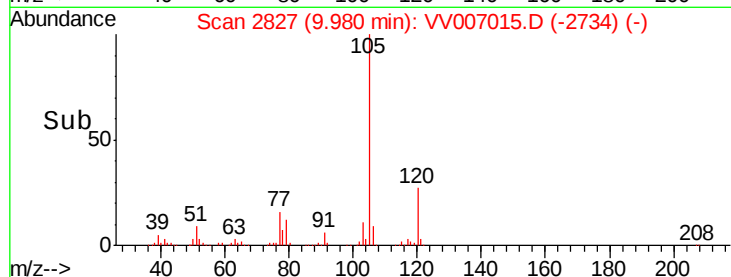
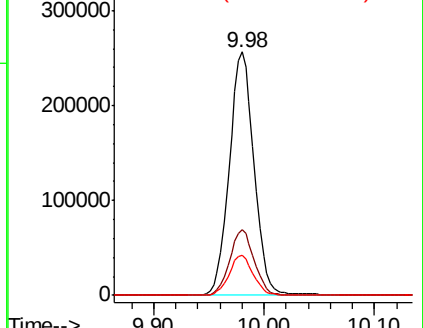
77 16.2 13.0 19.4



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: 5.095 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

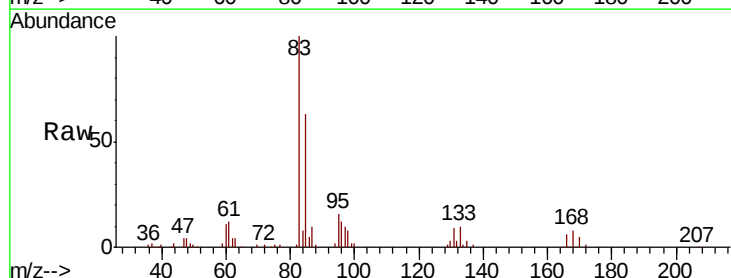
Tgt Ion: 83 Resp: 90906

Ion Ratio Lower Upper

83 100

85 63.0 43.0 79.8

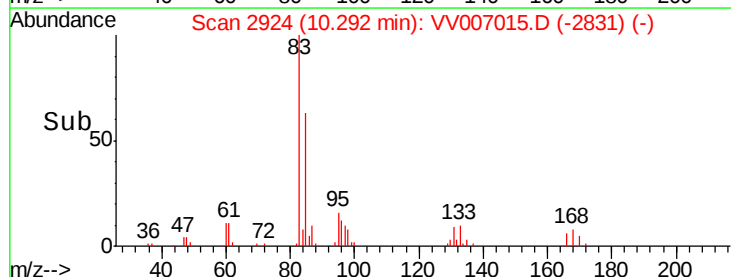
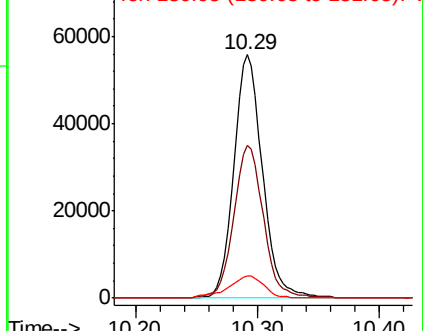
131 9.3 7.4 11.2

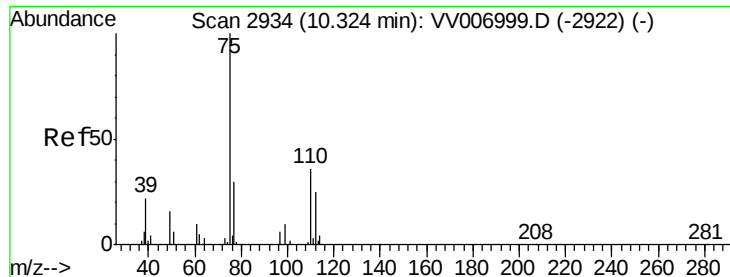


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.131 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

Instrument :

MSVOA_V

ClientSampled :

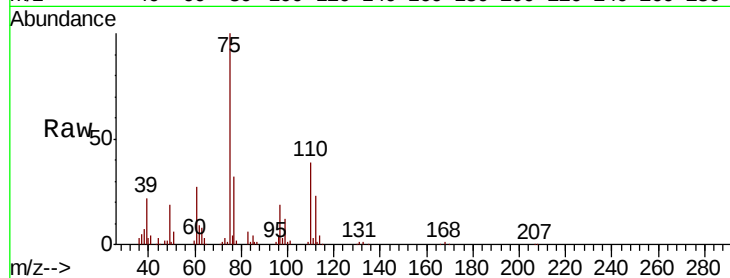
BFB84

Tgt Ion: 75 Resp: 64813

Ion Ratio Lower Upper

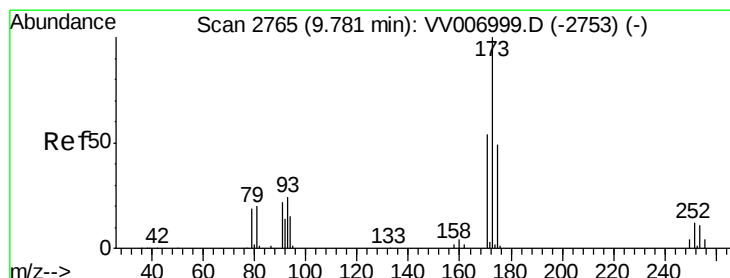
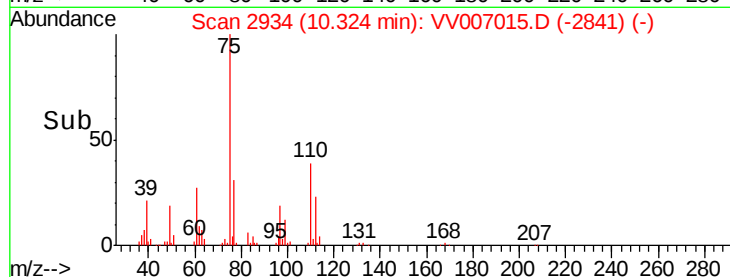
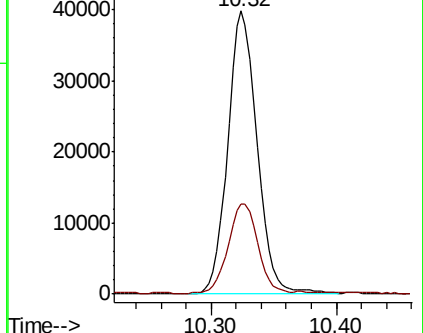
75 100

77 32.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV006999.D (-2922) (-)

Ion 77.00 (76.70 to 77.70): VV006999.D (-2922) (-)



#61

Bromoform

Concen: 5.298 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

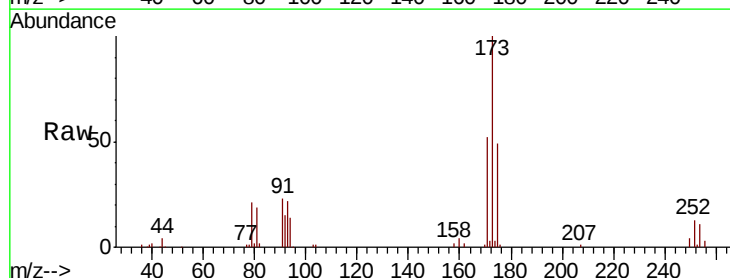
Tgt Ion: 173 Resp: 44338

Ion Ratio Lower Upper

173 100

175 49.8 39.3 58.9

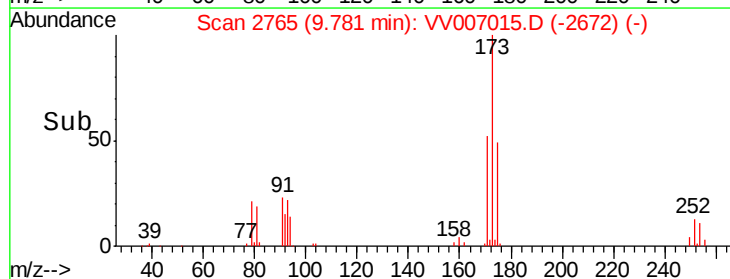
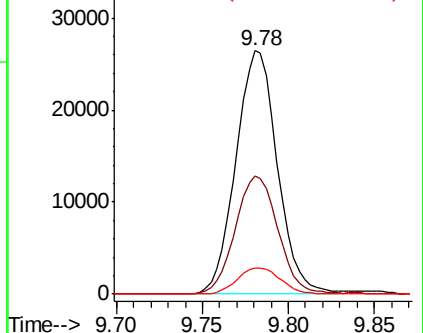
254 11.3 8.3 12.5

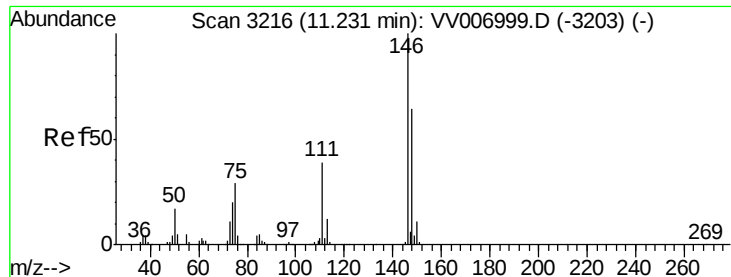


Abundance Ion 172.90 (172.60 to 173.60): VV006999.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV006999.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV006999.D (-2753) (-)





#62

1,3-Dichlorobenzene

Concen: 5.317 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

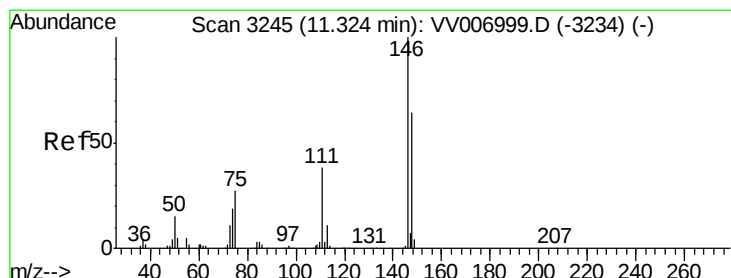
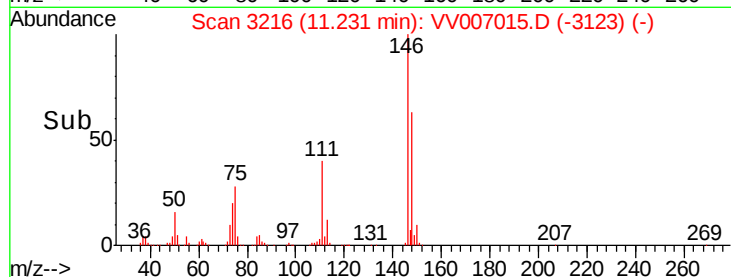
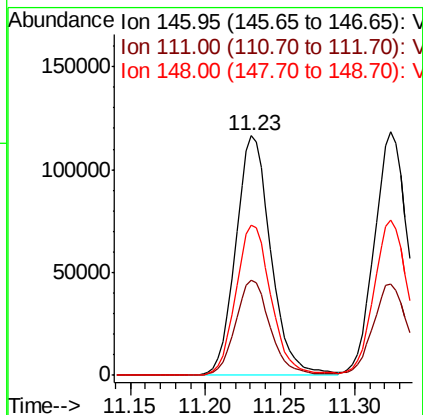
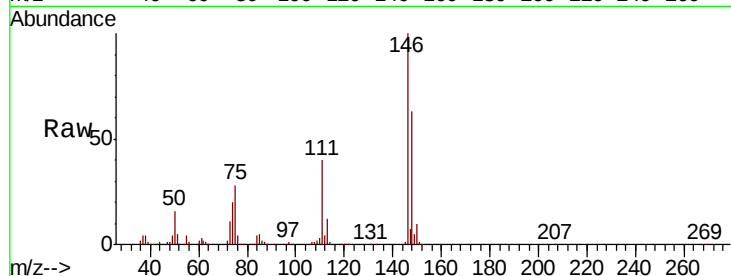
Instrument :

MSVOA_V

ClientSampleId :

BFB84

Tgt Ion:	146	Resp:	190097
Ion	Ratio	Lower	Upper
146	100		
111	40.0	28.1	52.3
148	63.0	44.2	82.2



#63

1,4-Dichlorobenzene

Concen: 5.265 ug/L

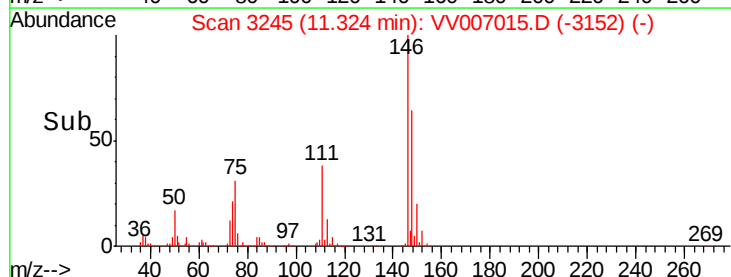
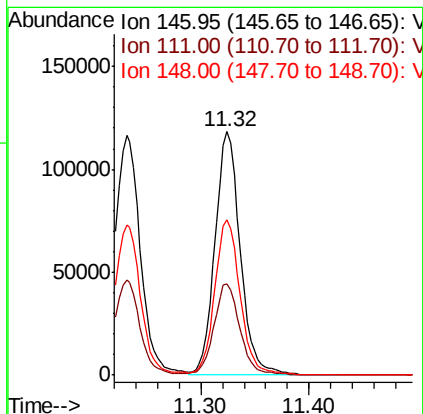
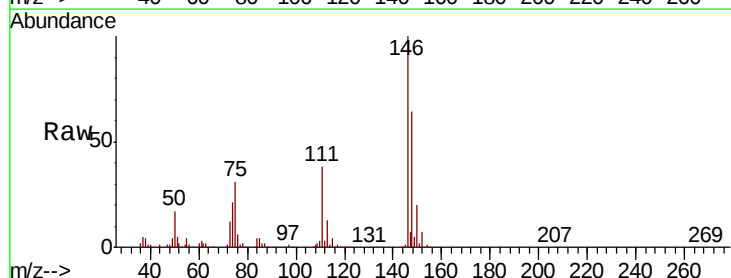
RT: 11.32 min Scan# 3245

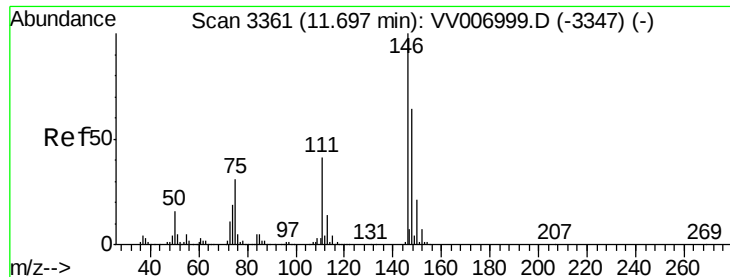
Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

Tgt Ion:	146	Resp:	192926
Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.6	49.4
148	63.6	46.4	86.2

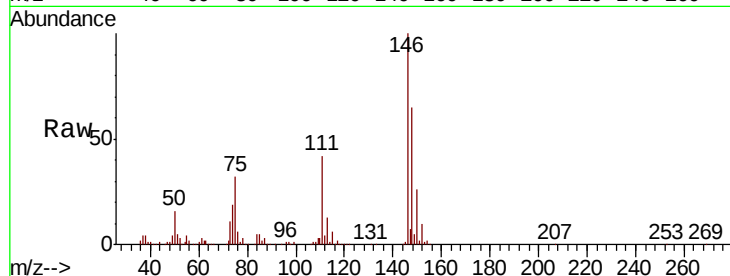




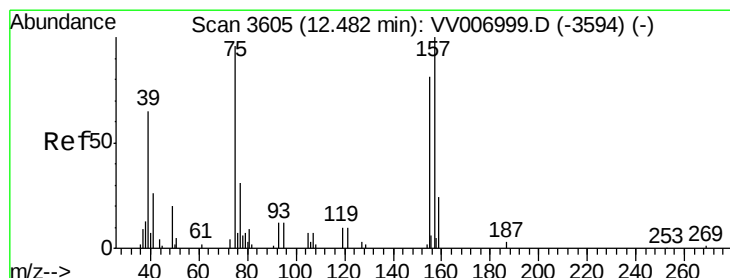
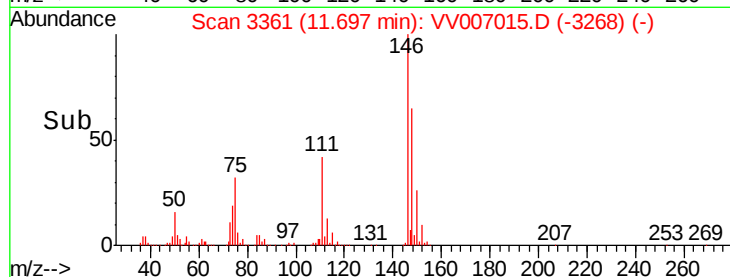
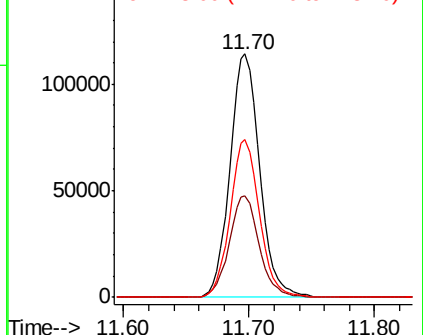
#65
 1,2-Dichlorobenzene
 Concen: 5.330 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV007015.D
 Acq: 15 Aug 2018 14:04

Instrument :
 MSVOA_V
 ClientSampled :
 BFB84

Tgt Ion:146 Resp: 187437
 Ion Ratio Lower Upper
 146 100
 111 41.9 33.0 49.6
 148 64.6 50.6 75.8

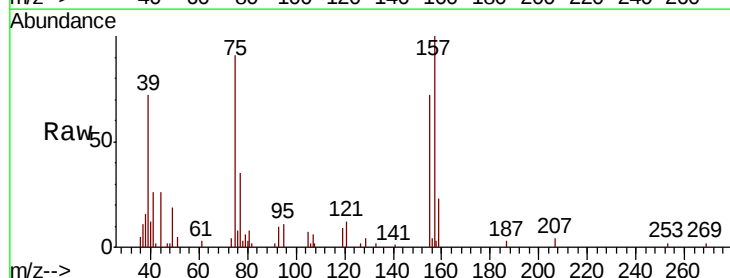


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

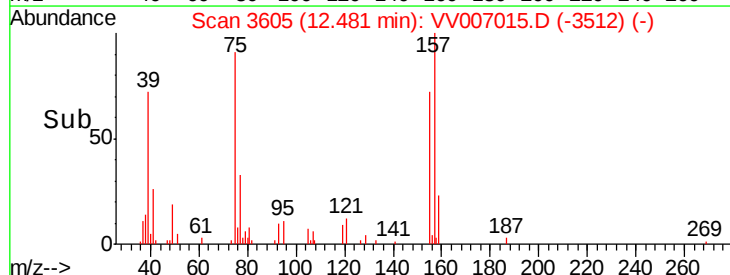
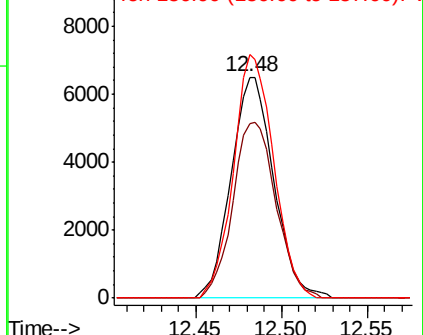


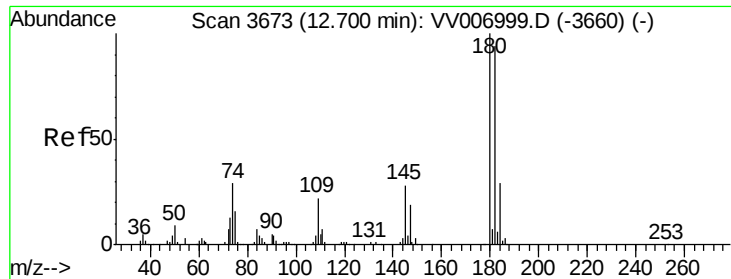
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.510 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV007015.D
 Acq: 15 Aug 2018 14:04

Tgt Ion: 75 Resp: 11261
 Ion Ratio Lower Upper
 75 100
 155 79.0 62.6 94.0
 157 110.4 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

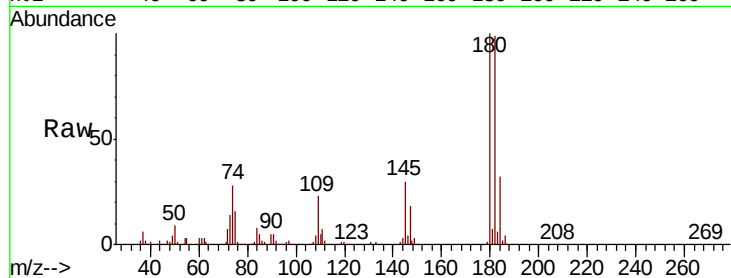




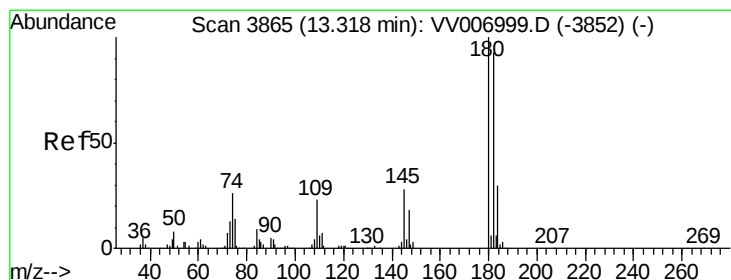
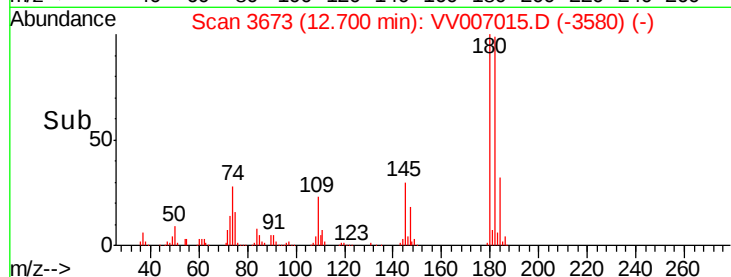
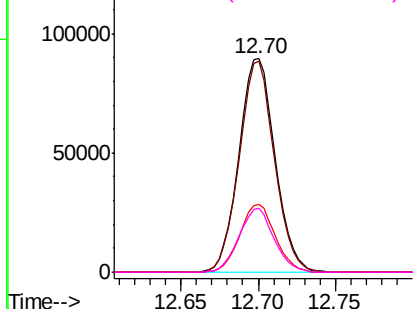
#67
 1,3,5-Trichlorobenzene
 Concen: 5.376 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV007015.D
 Acq: 15 Aug 2018 14:04

Instrument :
 MSVOA_V
 ClientSampled :
 BFB84

Tgt Ion:	180	Resp:	145460
Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.1	112.7
184	31.2	23.8	35.8
145	28.9	21.9	32.9

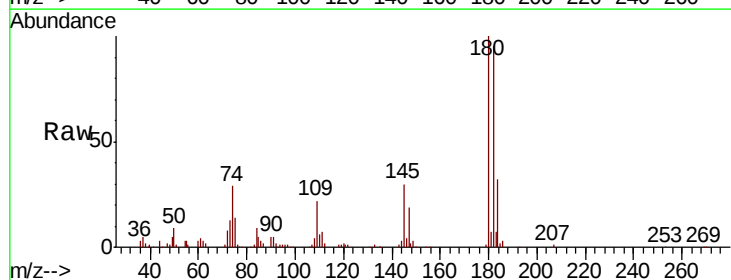


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

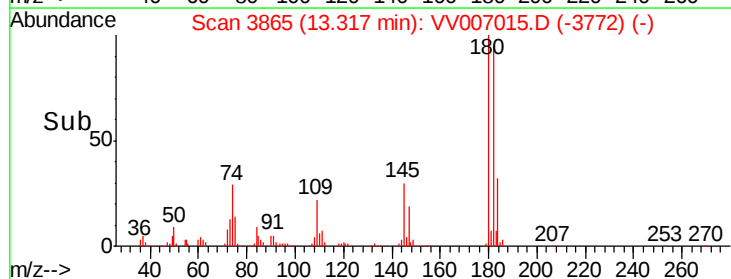
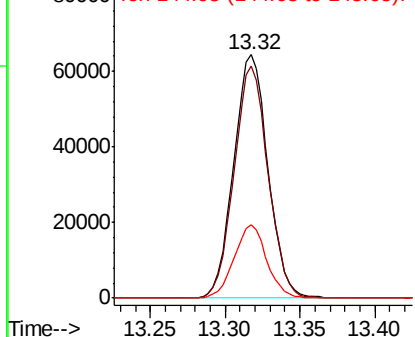


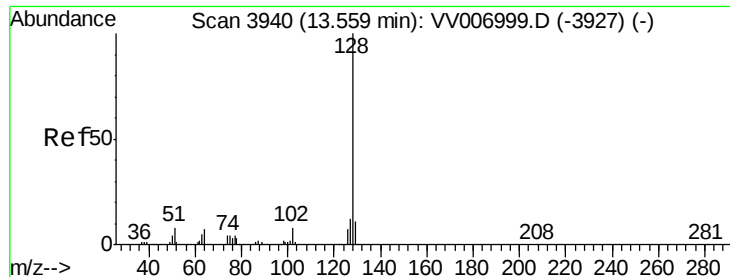
#68
 1,2,4-trichlorobenzene
 Concen: 5.155 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV007015.D
 Acq: 15 Aug 2018 14:04

Tgt Ion:	180	Resp:	102382
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.5	114.7
145	28.6	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: 4.309 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

BFB84

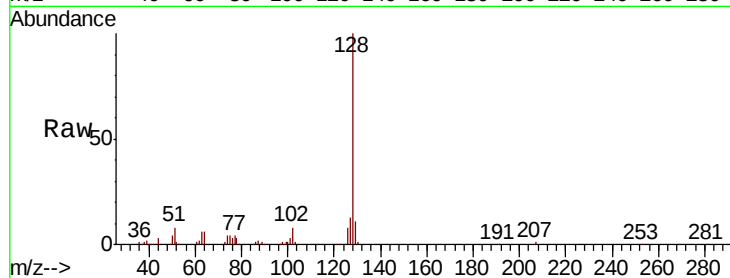
Tgt Ion:128 Resp: 122901

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

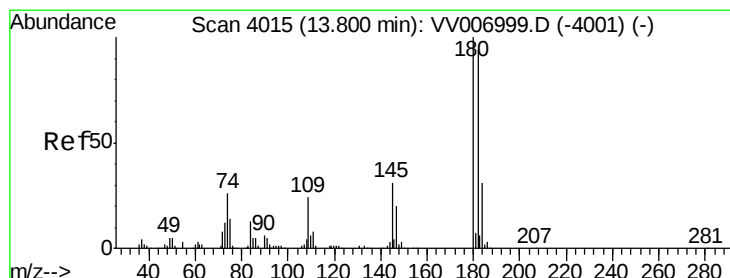
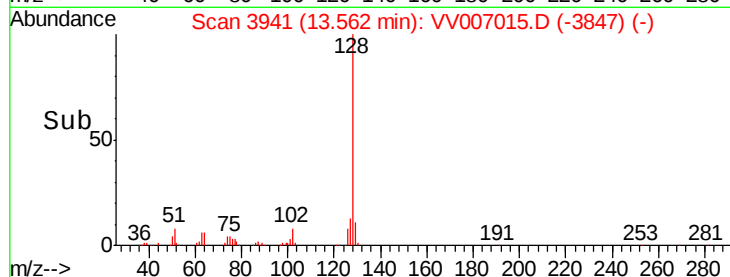
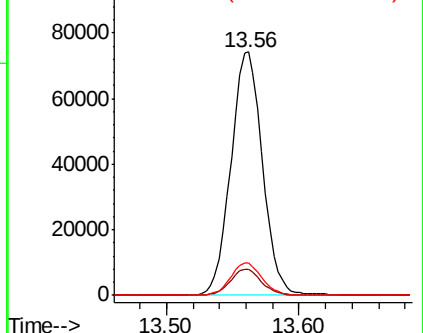
127 13.4 10.6 16.0



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: 5.139 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007015.D

Acq: 15 Aug 2018 14:04

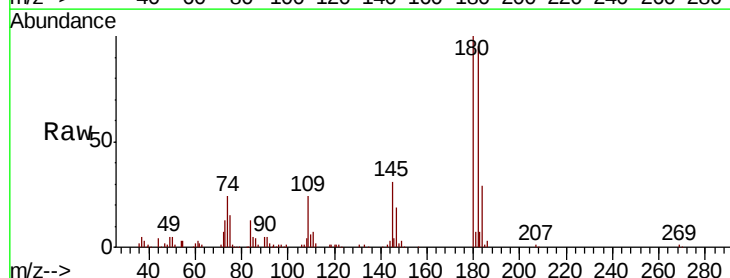
Tgt Ion:180 Resp: 98368

Ion Ratio Lower Upper

180 100

182 96.4 76.1 114.1

145 30.3 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

