

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR061618\
 Data File : VR025358.D
 Acq On : 17 Jun 2018 11:37
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 BFB88

Quant Time: Jun 18 04:11:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 18 04:02:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	502711	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	418475	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	144630	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	102980	6.01	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.20%
7) Chloroethane-d5	2.64	69	71618	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.80%
11) 1,1-Dichloroethene-d2	3.65	63	237386	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.80%
20) 2-Butanone-d5	6.59	46	290225	63.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.46%
24) Chloroform-d	7.20	84	369698	5.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.60%
26) 1,2-Dichloroethane-d4	7.89	65	150773	6.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	123.20%
32) Benzene-d6	7.85	84	797398	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.40%
36) 1,2-Dichloropropane-d6	8.90	67	241691	6.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	120.00%
41) Toluene-d8	9.97	98	672164	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
43) trans-1,3-Dichloropropene-	10.24	79	41664	3.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.60%
46) 2-Hexanone-d5	10.59	63	252719	67.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	135.74%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	107235	6.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	136.80%#
64) 1,2-Dichlorobenzene-d4	13.51	152	133401	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	129760	3.993 ug/L	98
3) Chloromethane	2.02	50	163920	6.969 ug/L	97
5) Vinyl chloride	2.16	62	115402	5.544 ug/L	99
6) Bromomethane	2.53	94	45635	4.498 ug/L	95
8) Chloroethane	2.68	64	61628	5.671 ug/L	95
9) Trichlorofluoromethane	2.94	101	42977	1.413 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	78212	4.385 ug/L	97
12) 1,1-Dichloroethene	3.67	96	96231	5.446 ug/L	91
13) Acetone	3.70	43	147385	71.102 ug/L	97
14) Carbon disulfide	3.96	76	155290	4.177 ug/L #	95
15) Methyl Acetate	4.19	43	34540	6.627 ug/L	95
16) Methylene chloride	4.41	84	75839	4.717 ug/L	88
17) Methyl tert-butyl Ether	4.89	73	293418	5.570 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	194920	5.366 ug/L	93
19) 1,1-Dichloroethane	5.69	63	393848	5.771 ug/L	96
21) 2-Butanone	6.69	43	341340	69.669 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	225342	5.944 ug/L #	96

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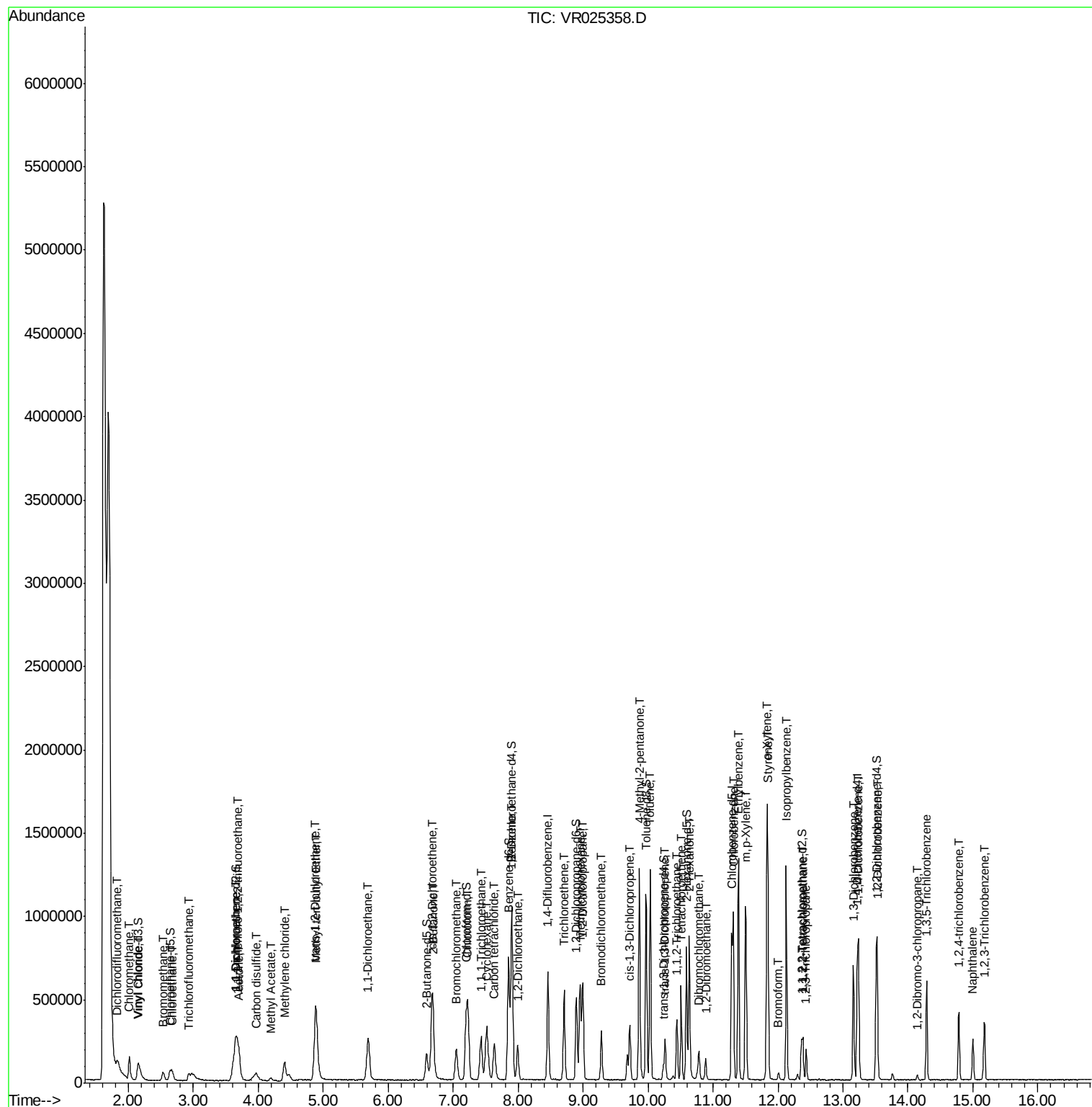
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	65942	5.940	ug/L	95
25) Chloroform	7.23	83	365529	5.859	ug/L	95
27) 1,2-Dichloroethane	7.99	62	172179	6.047	ug/L #	89
29) 1,1,1-Trichloroethane	7.42	97	213042	4.286	ug/L	97
30) Cyclohexane	7.52	56	212669	3.352	ug/L	99
31) Carbon tetrachloride	7.63	117	170305	3.902	ug/L	98
33) Benzene	7.91	78	893562	5.438	ug/L	100
34) Trichloroethene	8.71	95	183392	4.613	ug/L	97
35) Methylcyclohexane	8.96	83	225477	3.595	ug/L	98
37) 1,2-Dichloropropane	8.99	63	224914	6.158	ug/L	100
38) Bromodichloromethane	9.28	83	184978	5.222	ug/L	100
39) cis-1,3-Dichloropropene	9.72	75	170103	3.954	ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	825126	69.811	ug/L	98
42) Toluene	10.03	91	836678	4.752	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	115593	3.907	ug/L	95
45) 1,1,2-Trichloroethane	10.44	97	104753	6.178	ug/L	95
47) Tetrachloroethene	10.51	164	107681	4.058	ug/L	91
48) 2-Hexanone	10.63	43	539638	71.624	ug/L	97
49) Dibromochloromethane	10.78	129	73395	4.496	ug/L	92
50) 1,2-Dibromoethane	10.89	107	84057	6.184	ug/L #	96
51) Chlorobenzene	11.31	112	459533	4.873	ug/L	96
52) Ethylbenzene	11.39	91	840247	4.810	ug/L	96
53) m,p-Xylene	11.50	106	304756	4.570	ug/L	99
54) o-Xylene	11.83	106	294540	4.942	ug/L	96
55) Styrene	11.85	104	494249	5.396	ug/L	90
56) Isopropylbenzene	12.13	105	724005	4.518	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	106513	6.783	ug/L	95
59) 1,2,3-Trichloropropane	12.43	75	72209	6.372	ug/L	97
61) Bromoform	12.01	173	18266	3.541	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	252080	4.966	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	258552	5.095	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	223243	5.488	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	7634	4.750	ug/L #	51
67) 1,3,5-Trichlorobenzene	14.29	180	153635	4.570	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	102831	4.394	ug/L	96
69) Naphthalene	15.00	128	165141	5.422	ug/L	100
70) 1,2,3-Trichlorobenzene	15.18	180	95266	5.260	ug/L	99

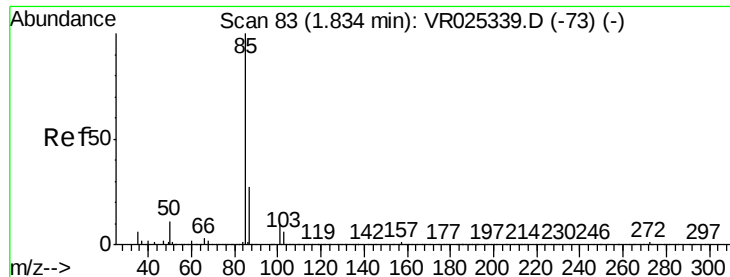
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 3.993 ug/L

RT: 1.83 min Scan# 83

Delta R.T. -0.00 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

Instrument :

MSVOA_R

ClientSampleId :

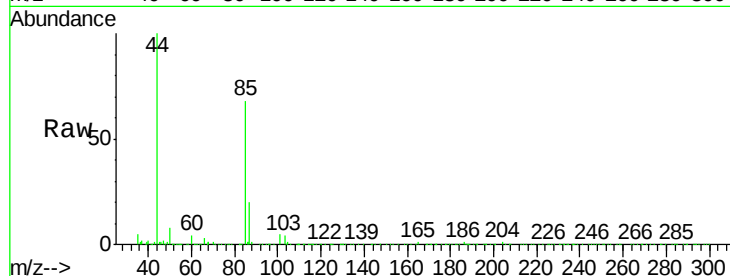
BFB88

Tgt Ion: 85 Resp: 129760

Ion Ratio Lower Upper

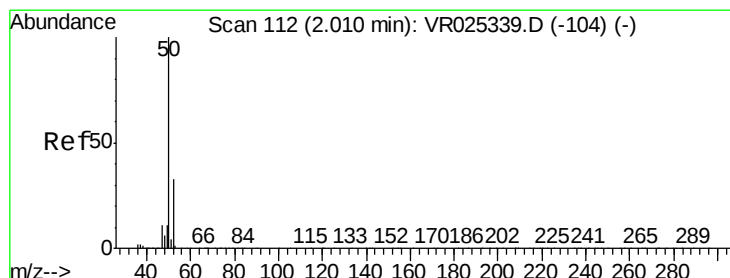
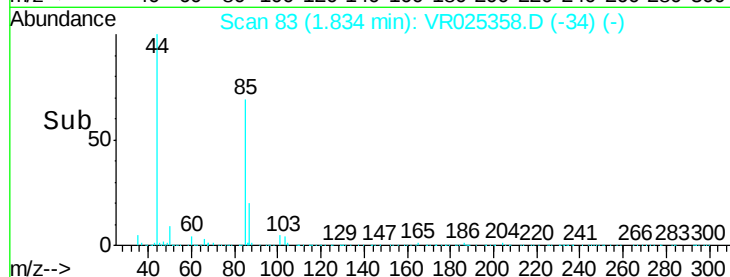
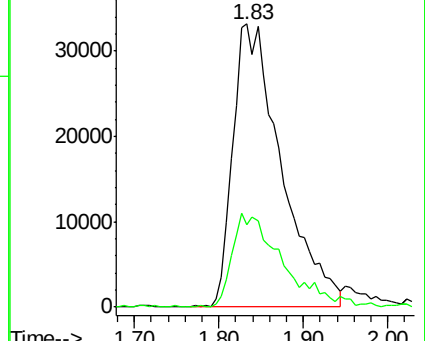
85 100

87 32.7 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 6.969 ug/L

RT: 2.02 min Scan# 113

Delta R.T. 0.01 min

Lab File: VR025358.D

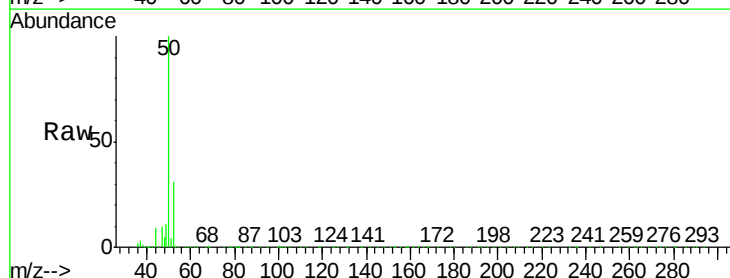
Acq: 17 Jun 2018 11:37

Tgt Ion: 50 Resp: 163920

Ion Ratio Lower Upper

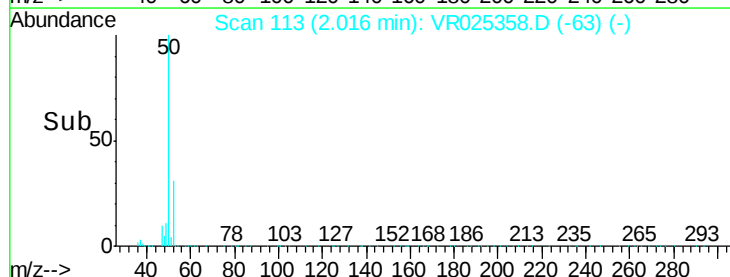
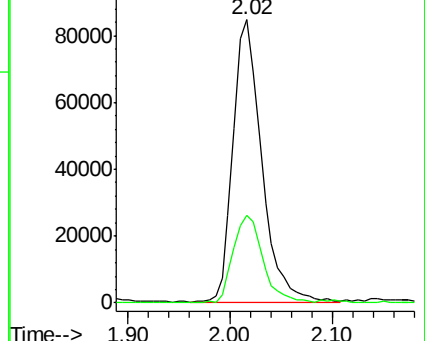
50 100

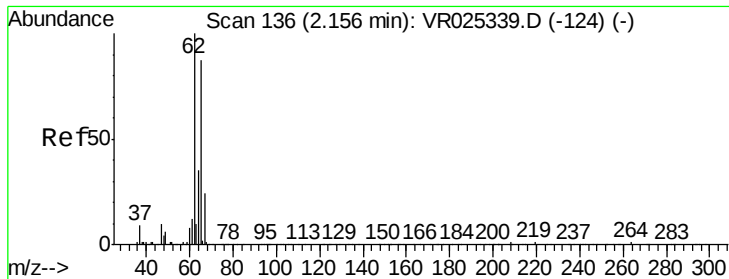
52 31.0 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 5.544 ug/L

RT: 2.16 min Scan# 136

Delta R.T. -0.00 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

Instrument :

MSVOA_R

ClientSampled :

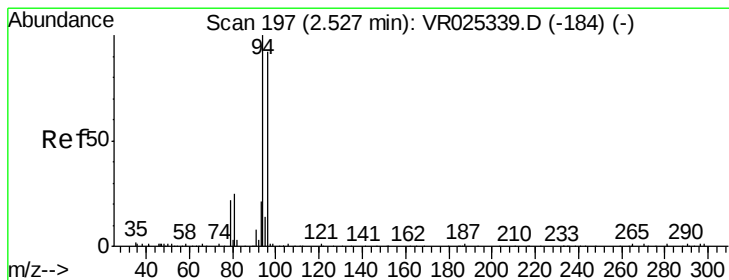
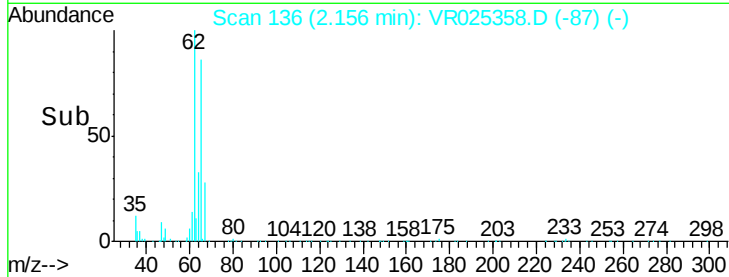
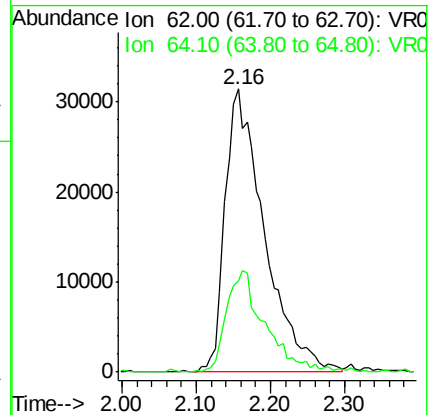
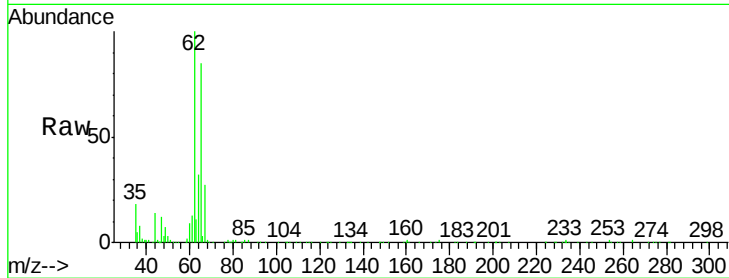
BFB88

Tgt Ion: 62 Resp: 115402

Ion Ratio Lower Upper

62 100

64 32.3 22.8 42.4



#6

Bromomethane

Concen: 4.498 ug/L

RT: 2.53 min Scan# 198

Delta R.T. 0.01 min

Lab File: VR025358.D

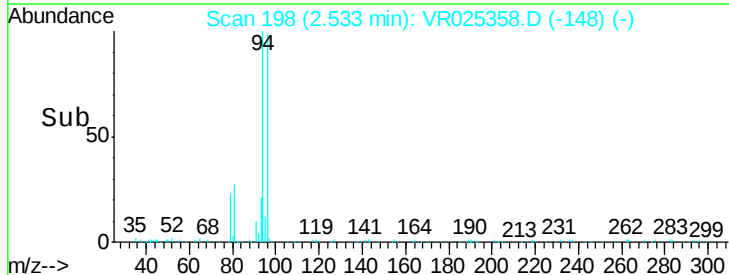
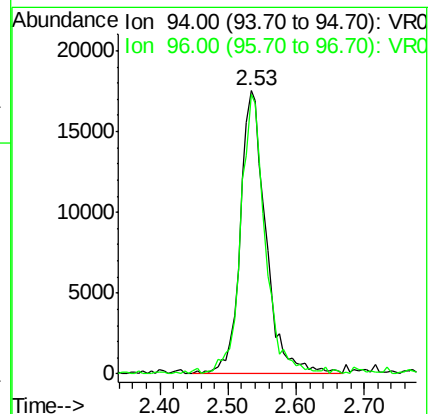
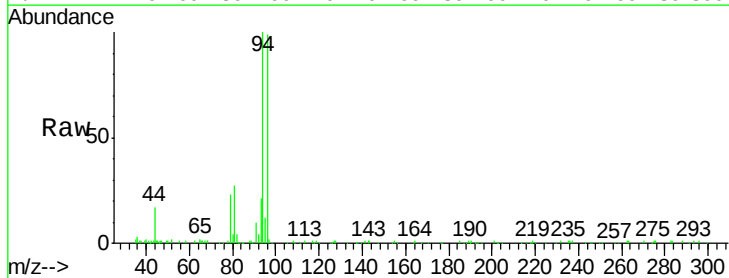
Acq: 17 Jun 2018 11:37

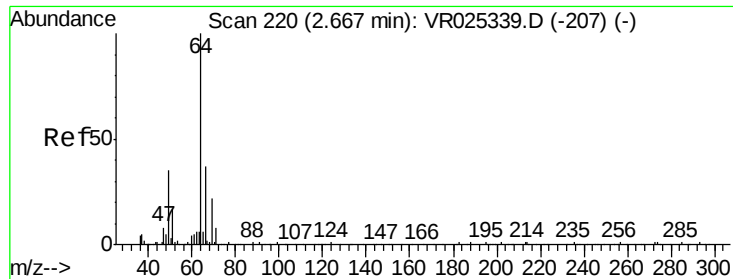
Tgt Ion: 94 Resp: 45635

Ion Ratio Lower Upper

94 100

96 98.8 65.9 122.3

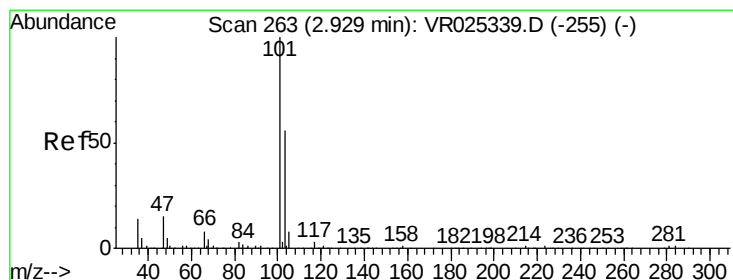
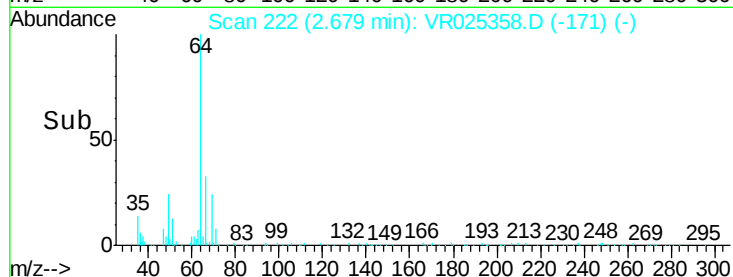
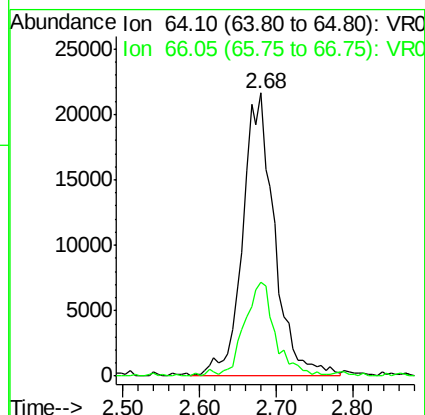
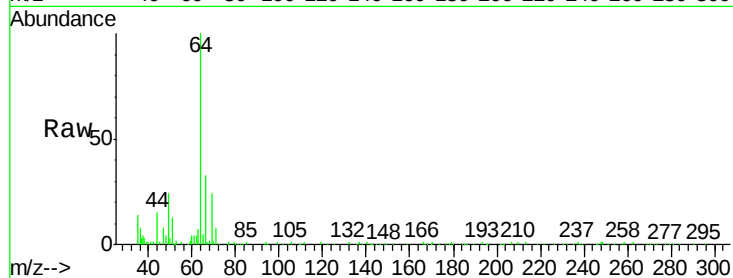




#8
Chloroethane
Concen: 5.671 ug/L
RT: 2.68 min Scan# 222
Delta R.T. 0.01 min
Lab File: VR025358.D
Acq: 17 Jun 2018 11:37

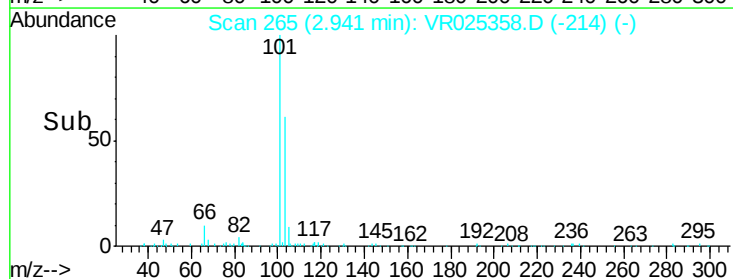
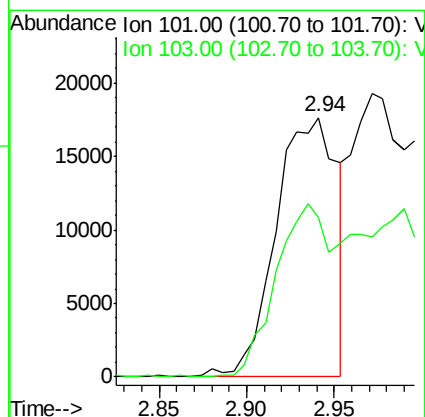
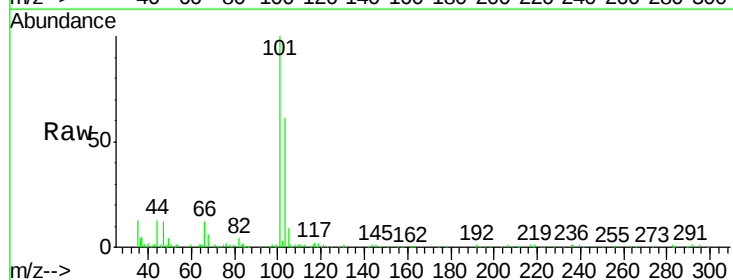
Instrument :
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BFB88

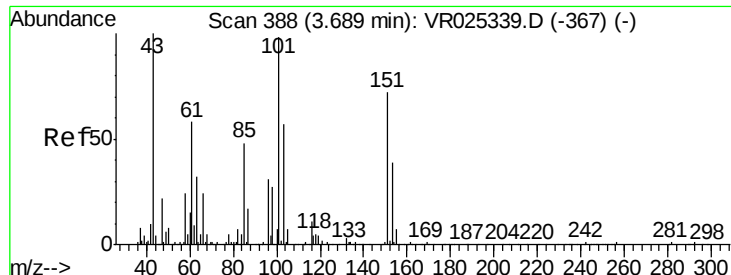
Tgt Ion: 64 Resp: 61628
Ion Ratio Lower Upper
64 100
66 33.1 21.3 39.5



#9
Trichlorofluoromethane
Concen: 1.413 ug/L
RT: 2.94 min Scan# 265
Delta R.T. 0.01 min
Lab File: VR025358.D
Acq: 17 Jun 2018 11:37

Tgt Ion: 101 Resp: 42977
Ion Ratio Lower Upper
101 100
103 63.7 11.0 16.4#





#10

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

Concen: 4.385 ug/L

RT: 3.68 min Scan# 387

Delta R.T. -0.01 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

Instrument :

MSVOA_R

ClientSampled :

BFB88

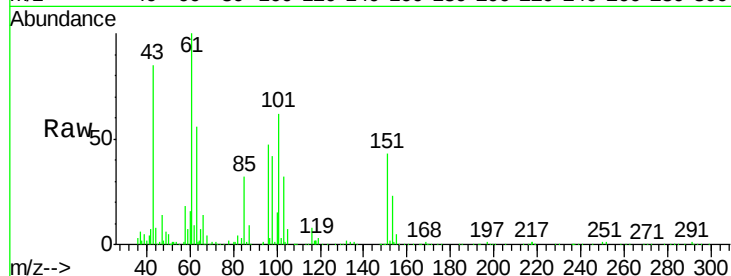
Tgt Ion: 101 Resp: 78212

Ion Ratio Lower Upper

101 100

85 52.8 39.1 58.7

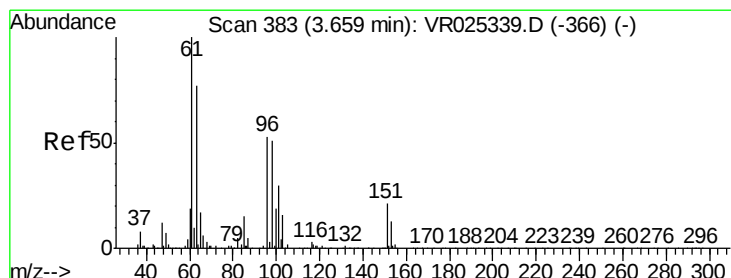
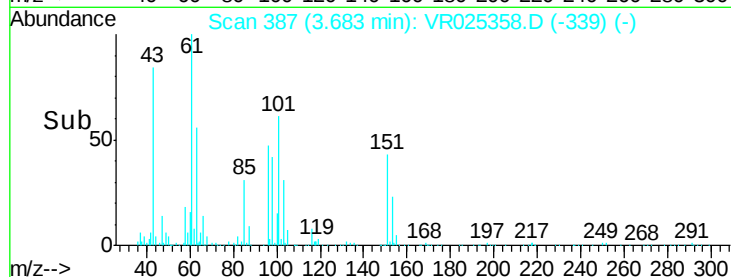
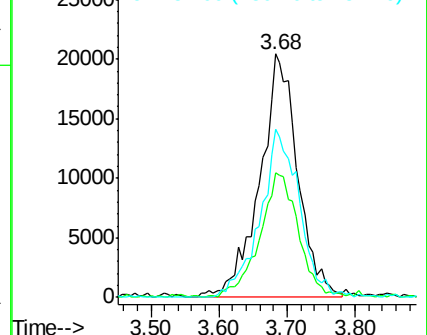
151 72.2 57.5 86.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.446 ug/L

RT: 3.67 min Scan# 384

Delta R.T. 0.01 min

Lab File: VR025358.D

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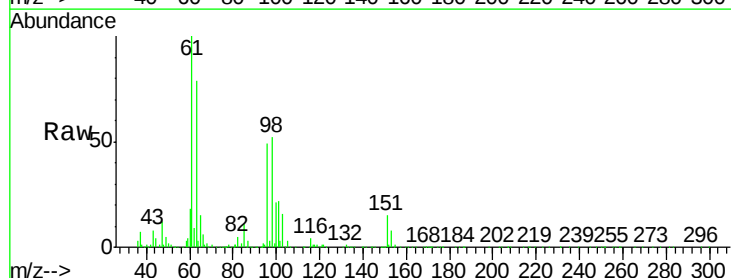
Tgt Ion: 96 Resp: 96231

Ion Ratio Lower Upper

96 100

61 206.0 155.0 287.9

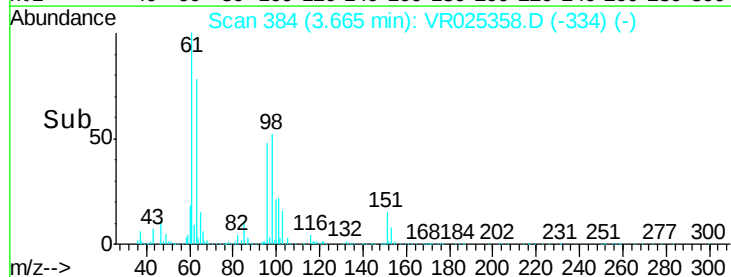
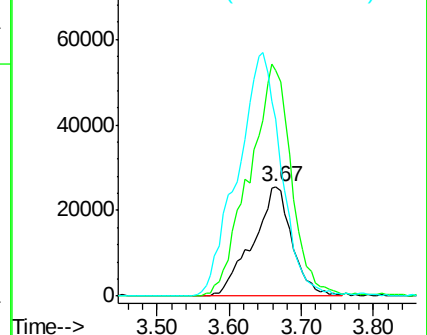
63 161.7 122.3 227.1

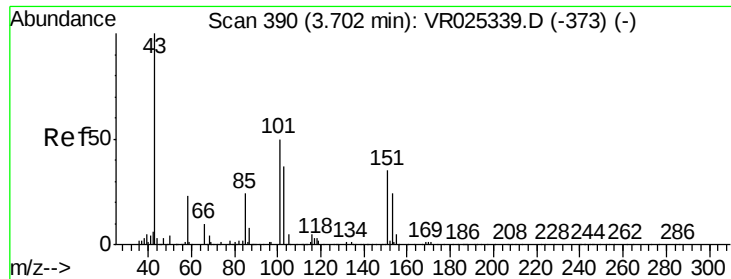


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 71.102 ug/L

RT: 3.70 min Scan# 390

Delta R.T. -0.00 min

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Acq: 17 Jun 2018 11:37

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ClientSampled :

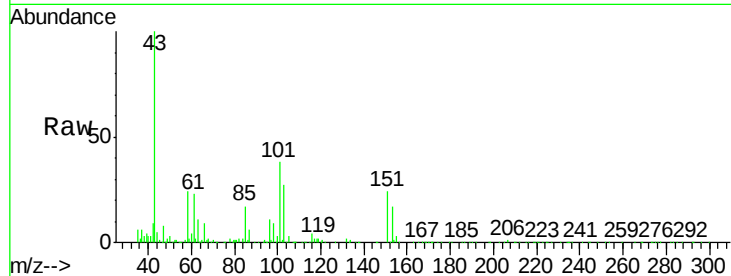
BFB88

Tgt Ion: 43 Resp: 147385

Ion Ratio Lower Upper

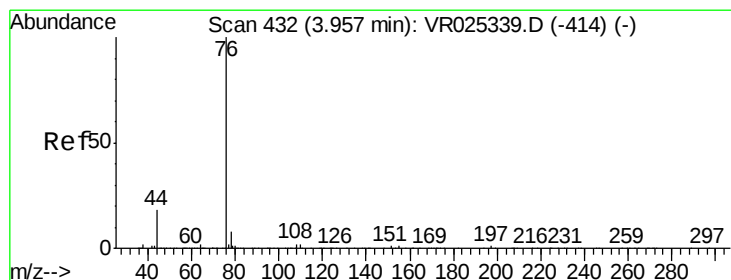
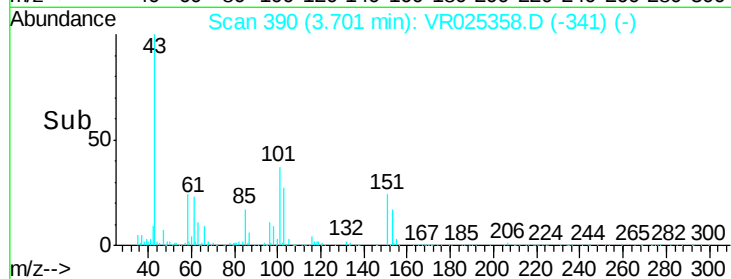
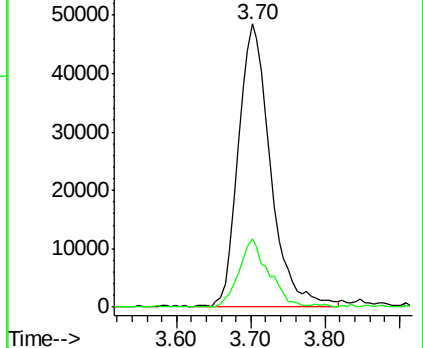
43 100

58 22.4 0.0 41.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 4.177 ug/L

RT: 3.96 min Scan# 432

Delta R.T. -0.00 min

Lab File: VR025358.D

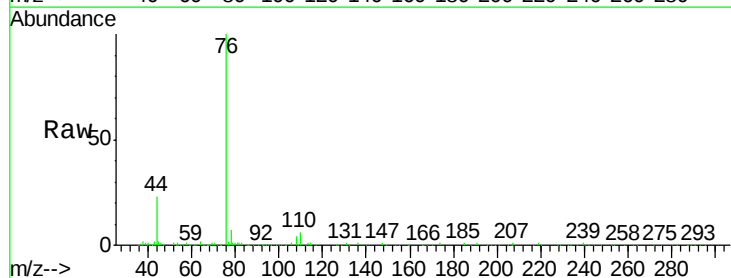
Acq: 17 Jun 2018 11:37

Tgt Ion: 76 Resp: 155290

Ion Ratio Lower Upper

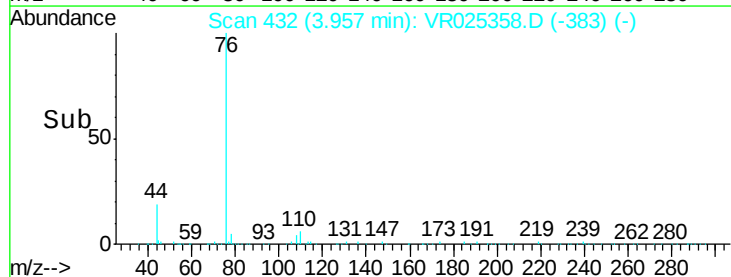
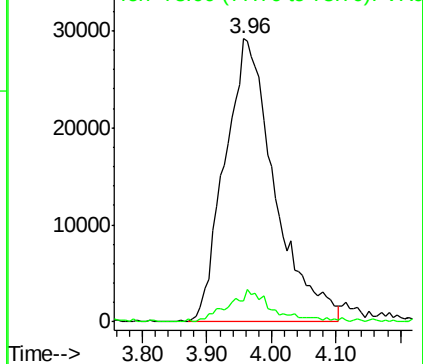
76 100

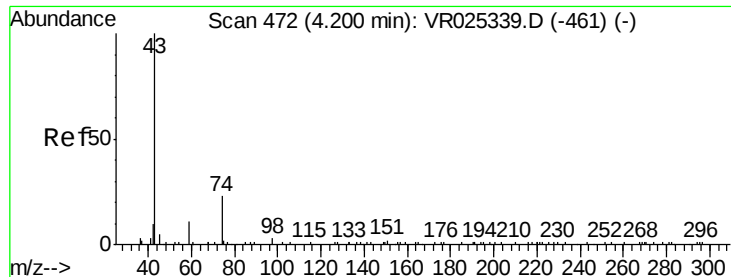
78 7.4 7.4 11.2#



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

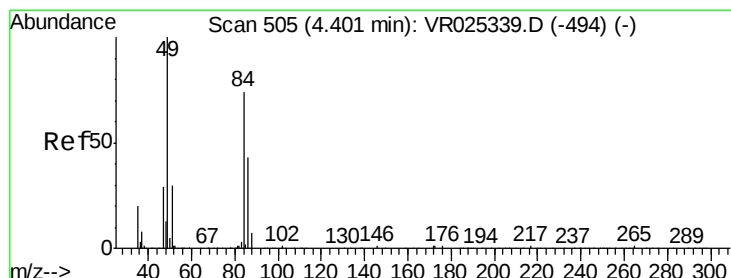
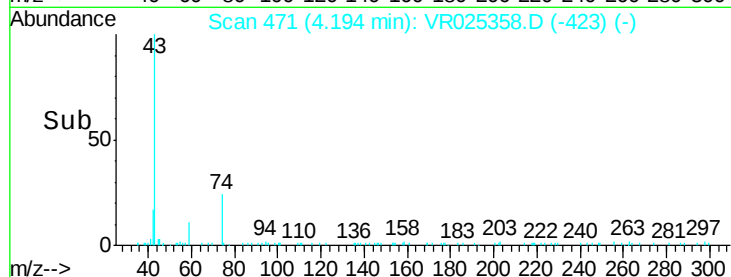
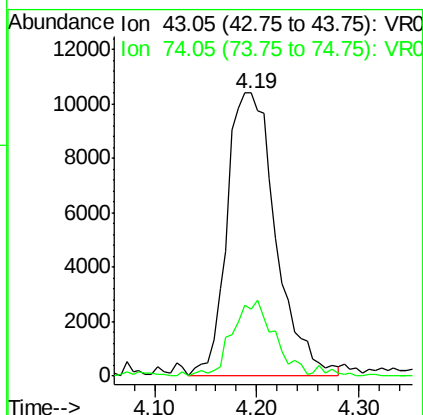
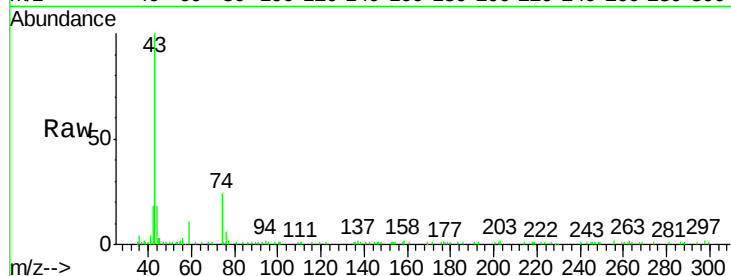




#15
Methyl Acetate
Concen: 6.627 ug/L
RT: 4.19 min Scan# 471
Delta R.T. -0.01 min
Lab File: VR025358.D
Acq: 17 Jun 2018 11:37

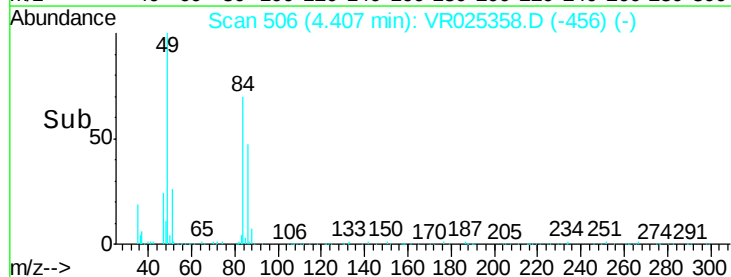
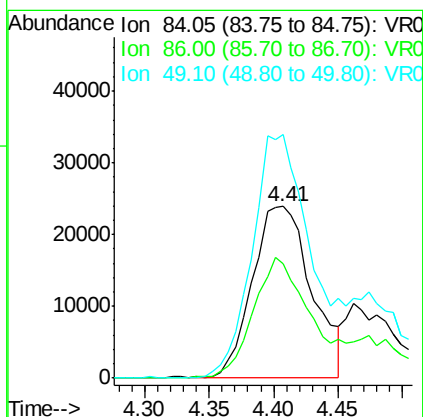
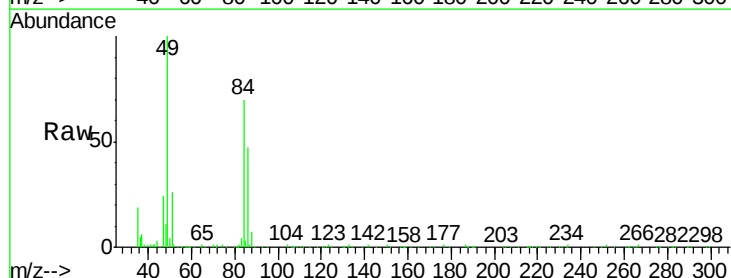
Instrument :
MSVOA_R
ClientSampleId :
BFB88

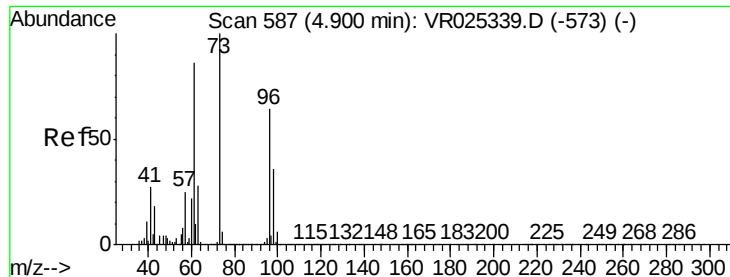
Tgt Ion: 43 Resp: 34540
Ion Ratio Lower Upper
43 100
74 23.2 16.7 25.1



#16
Methylene chloride
Concen: 4.717 ug/L
RT: 4.41 min Scan# 506
Delta R.T. 0.01 min
Lab File: VR025358.D
Acq: 17 Jun 2018 11:37

Tgt Ion: 84 Resp: 75839
Ion Ratio Lower Upper
84 100
86 66.5 43.7 81.1
49 142.1 87.2 162.0





#17

Methyl tert-butyl Ether

Concen: 5.570 ug/L

RT: 4.89 min Scan# 586

Delta R.T. -0.01 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

Instrument :

MSVOA_R

ClientSampleId :

BFB88

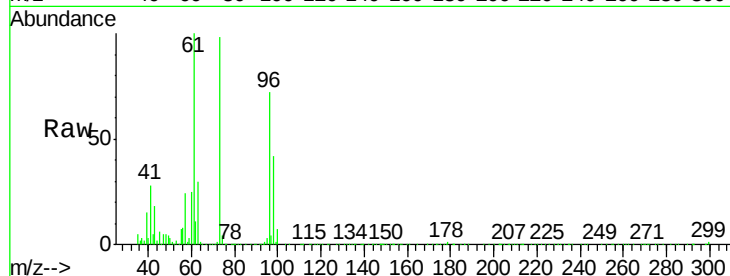
Tgt Ion: 73 Resp: 293418

Ion Ratio Lower Upper

73 100

43 19.0 15.8 23.6

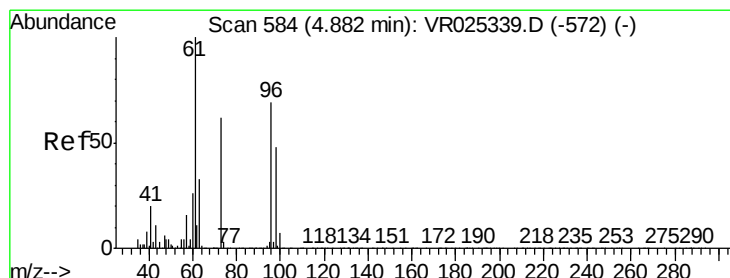
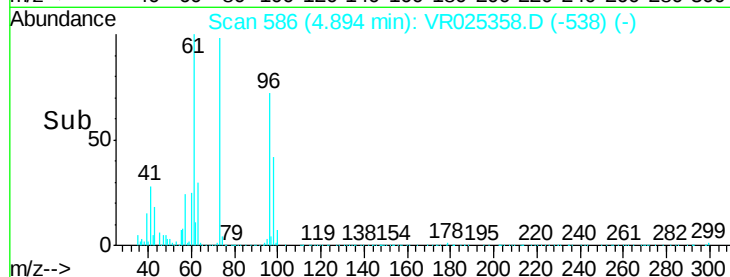
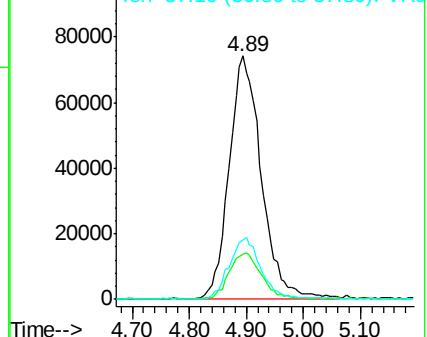
57 24.8 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#18

trans-1,2-Dichloroethene

Concen: 5.366 ug/L

RT: 4.88 min Scan# 584

Delta R.T. -0.00 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

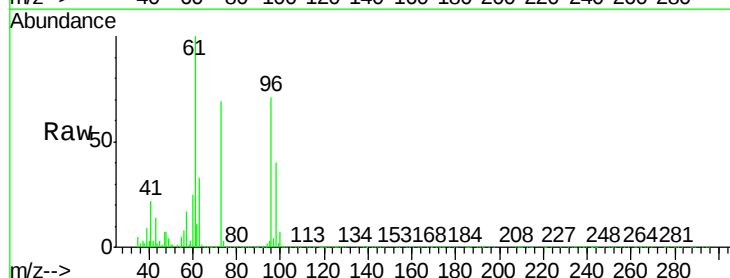
Tgt Ion: 96 Resp: 194920

Ion Ratio Lower Upper

96 100

61 140.1 104.4 193.8

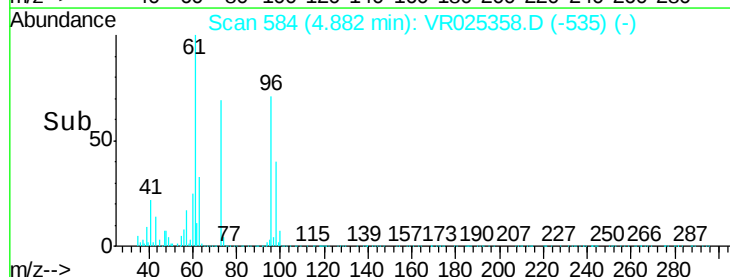
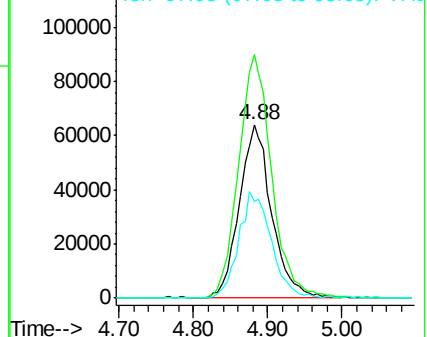
98 55.5 43.1 80.1

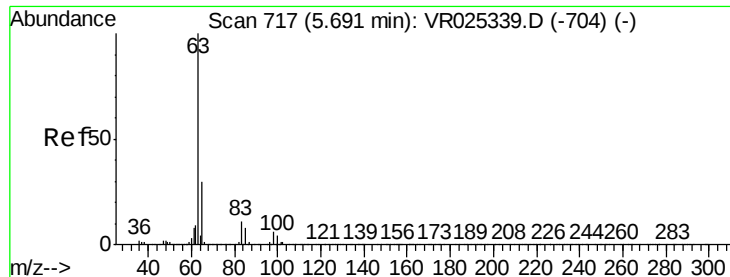


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0





#19

1,1-Dichloroethane

Concen: 5.771 ug/L

RT: 5.69 min Scan# 717

Delta R.T. -0.00 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

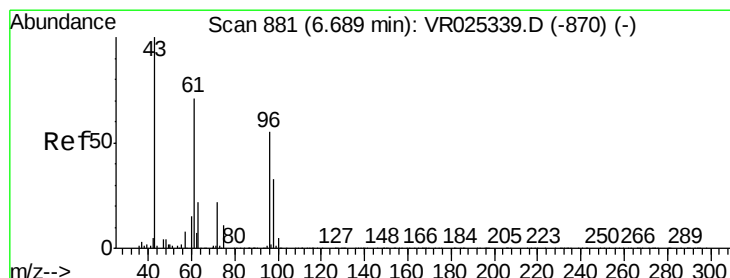
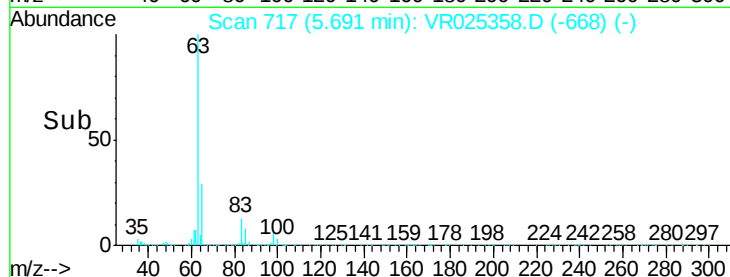
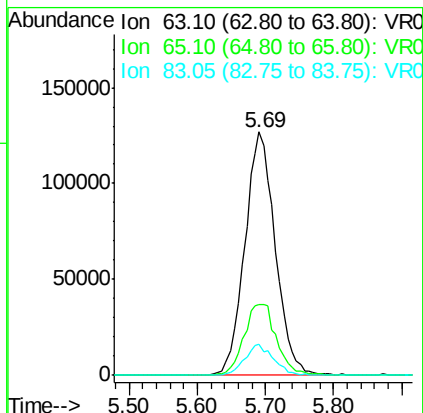
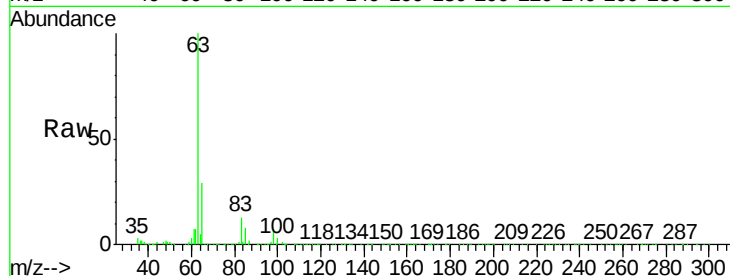
Instrument :

MSVOA_R

ClientSampleId :

BFB88

Tgt Ion:	63	Resp:	393848
Ion	Ratio	Lower	Upper
63	100		
65	29.2	22.5	41.7
83	13.0	9.5	17.7



#21

2-Butanone

Concen: 69.669 ug/L

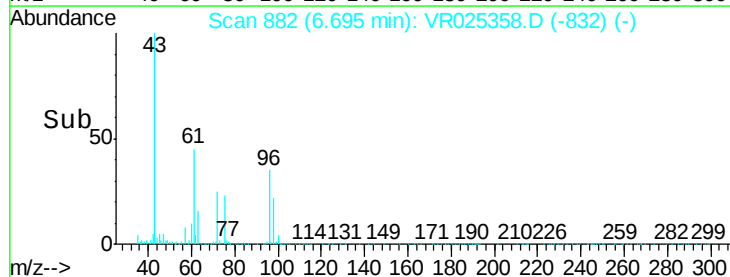
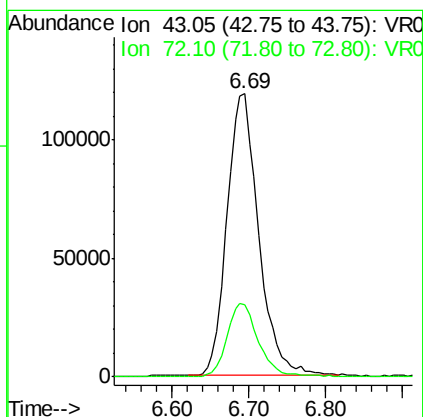
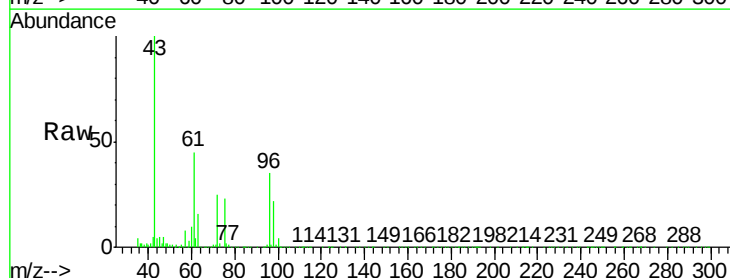
RT: 6.69 min Scan# 882

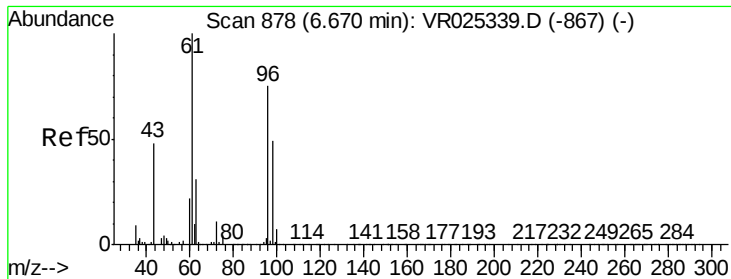
Delta R.T. 0.01 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

Tgt Ion:	43	Resp:	341340
Ion	Ratio	Lower	Upper
43	100		
72	25.5	13.0	38.9



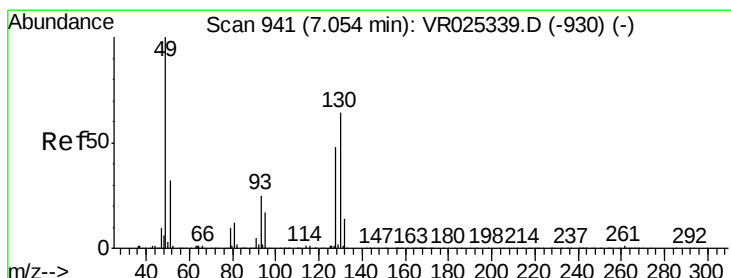
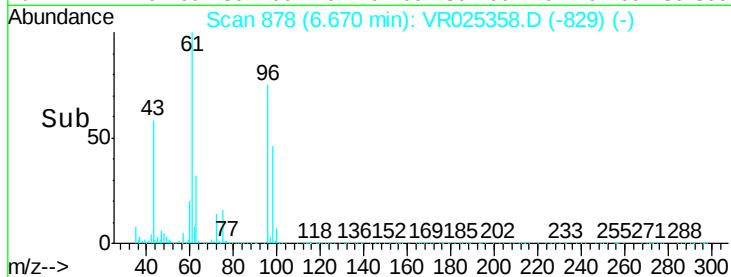
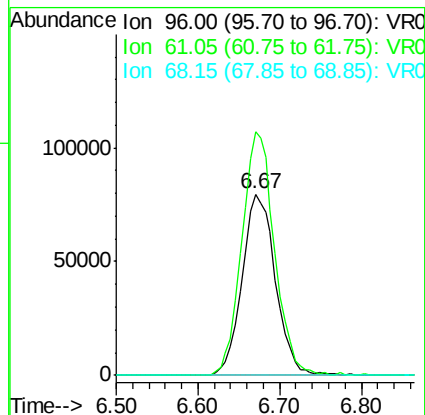
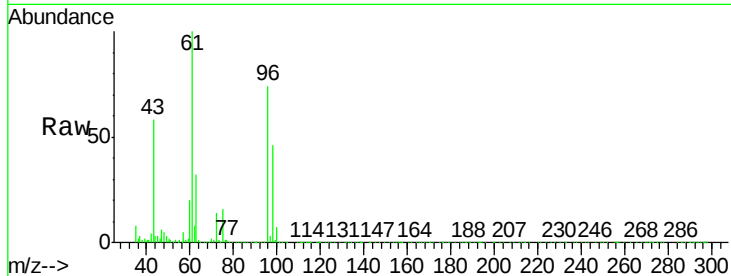


#22

cis-1,2-Dichloroethene
Concen: 5.944 ug/L
RT: 6.67 min Scan# 878
Delta R.T. -0.00 min
Lab File: VR025358.D
Acq: 17 Jun 2018 11:37

Instrument :
MSVOA_R
ClientSampleID :
BFB88

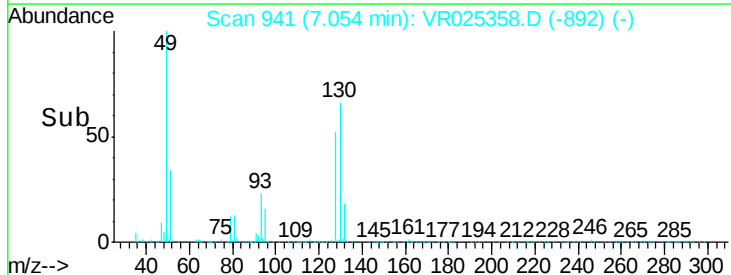
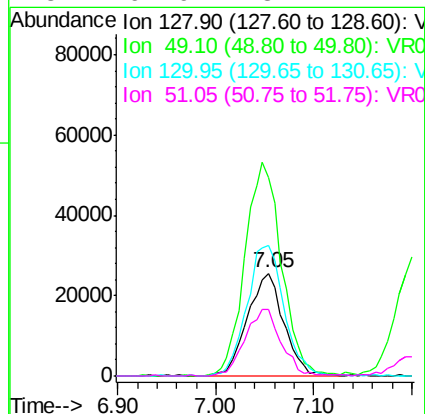
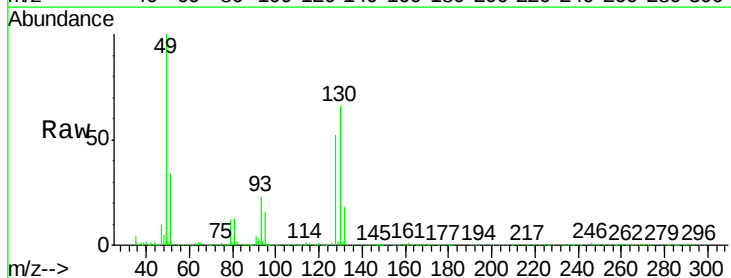
Tgt Ion: 96 Resp: 225342
Ion Ratio Lower Upper
96 100
61 134.3 91.0 169.0
68 0.1 0.0 0.0#

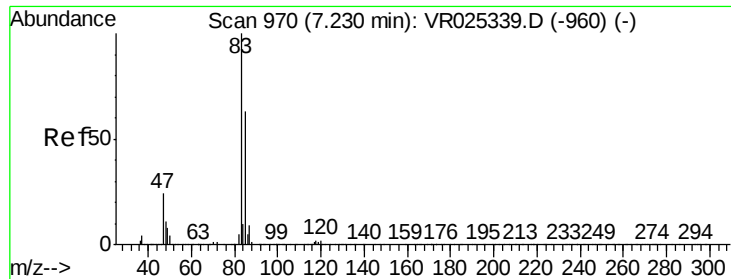


#23

Bromochloromethane
Concen: 5.940 ug/L
RT: 7.05 min Scan# 941
Delta R.T. -0.00 min
Lab File: VR025358.D
Acq: 17 Jun 2018 11:37

Tgt Ion:128 Resp: 65942
Ion Ratio Lower Upper
128 100
49 192.5 128.7 238.9
130 126.5 87.2 161.9
51 64.9 48.2 72.2





#25

Chloroform

Concen: 5.859 ug/L

RT: 7.23 min Scan# 970

Delta R.T. -0.00 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

Instrument :

MSVOA_R

ClientSampleId :

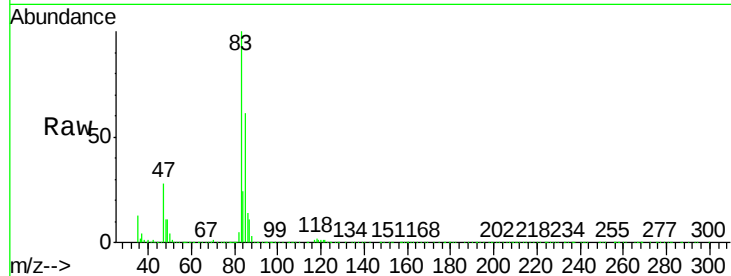
BFB88

Tgt Ion: 83 Resp: 365529

Ion Ratio Lower Upper

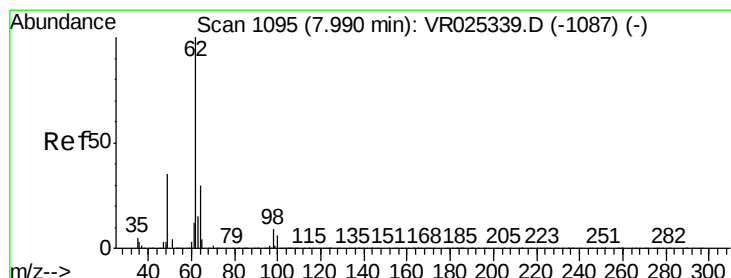
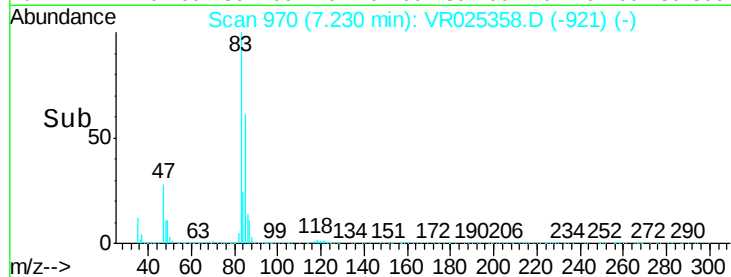
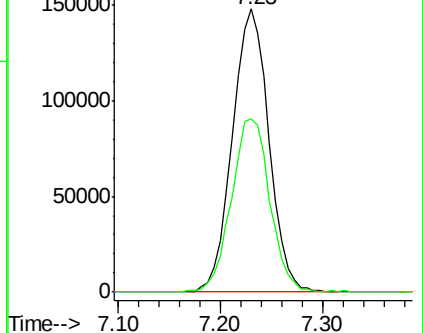
83 100

85 61.3 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 6.047 ug/L

RT: 7.99 min Scan# 1095

Delta R.T. -0.00 min

Lab File: VR025358.D

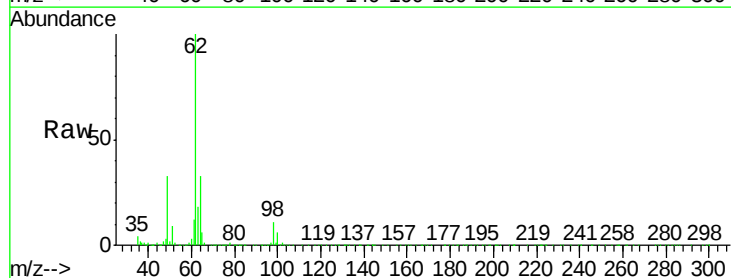
Acq: 17 Jun 2018 11:37

Tgt Ion: 62 Resp: 172179

Ion Ratio Lower Upper

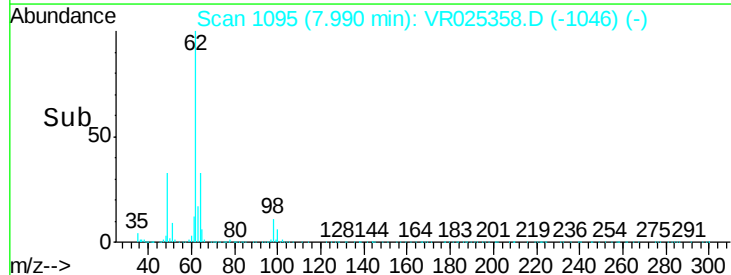
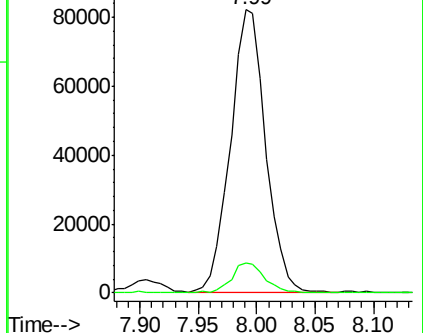
62 100

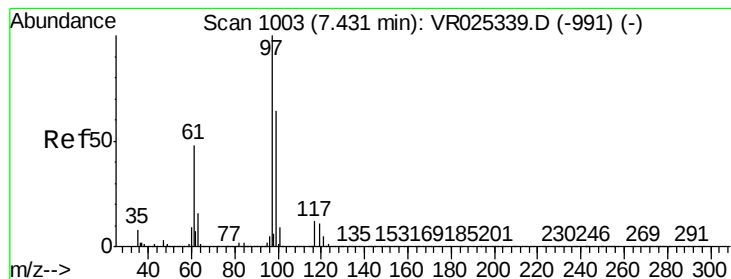
98 10.6 5.4 8.2#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0





#29

1,1,1-Trichloroethane

Concen: 4.286 ug/L

RT: 7.42 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

Instrument :

MSVOA_R

ClientSampleId :

BFB88

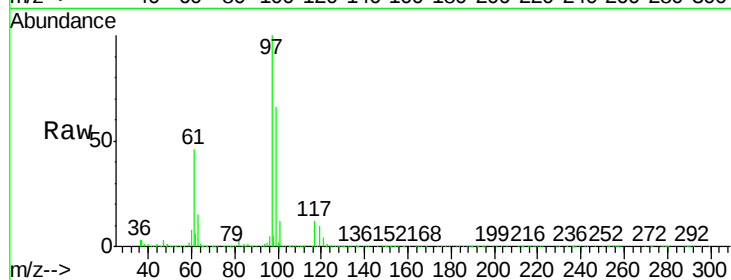
Tgt Ion: 97 Resp: 213042

Ion Ratio Lower Upper

97 100

99 65.3 52.1 78.1

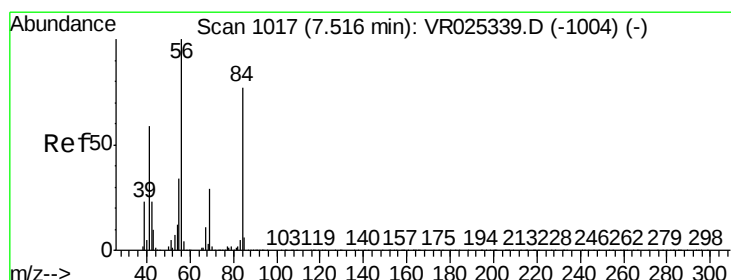
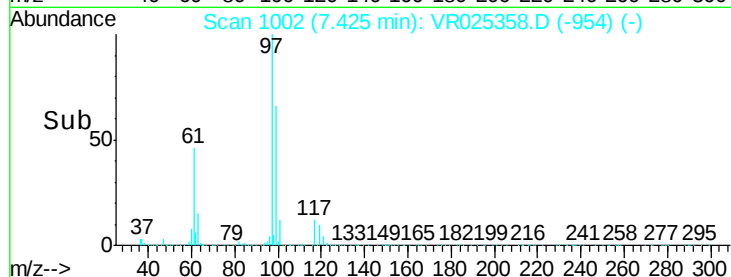
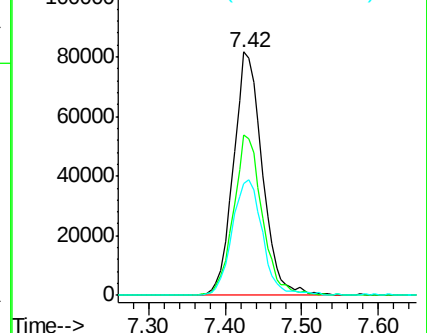
61 50.1 37.0 55.6



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 3.352 ug/L

RT: 7.52 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

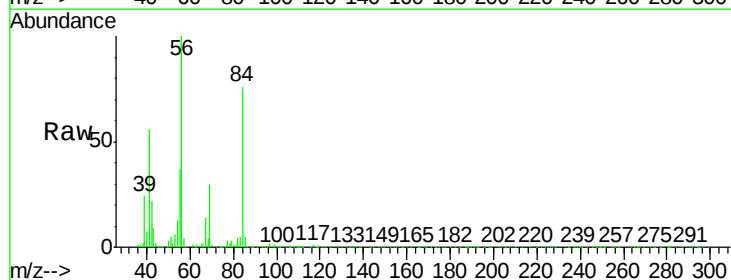
Tgt Ion: 56 Resp: 212669

Ion Ratio Lower Upper

56 100

69 29.6 23.7 35.5

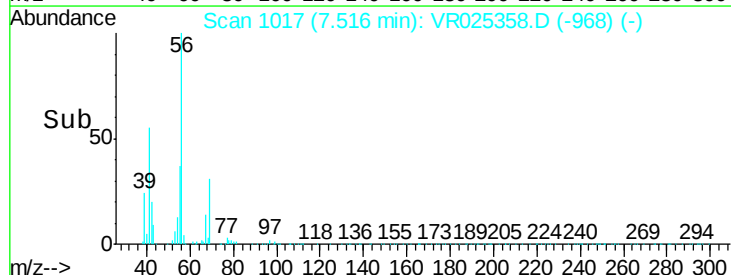
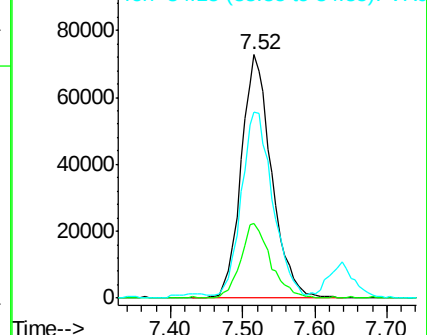
84 78.9 62.6 93.8

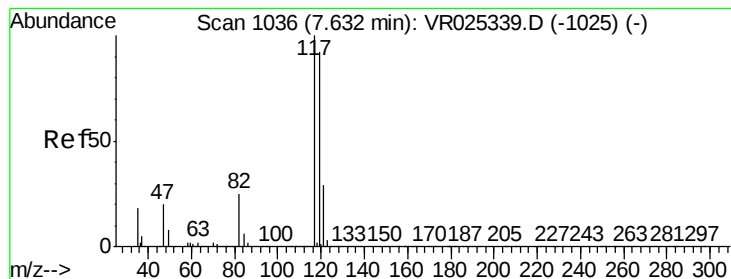


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 3.902 ug/L

RT: 7.63 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

Instrument :

MSVOA_R

ClientSampleId :

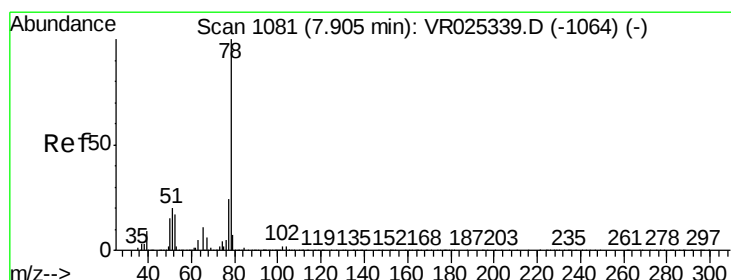
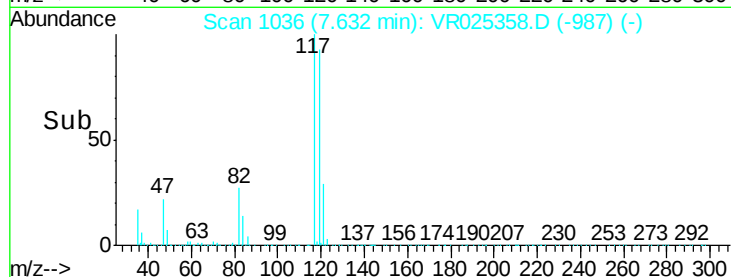
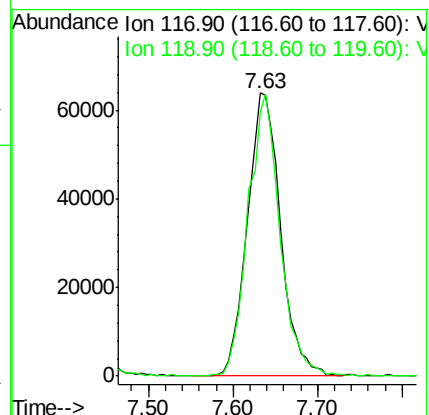
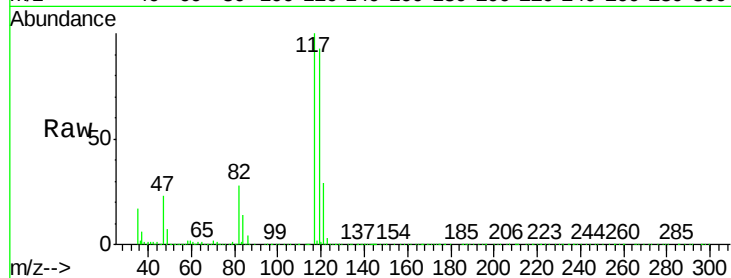
BFB88

Tgt Ion:117 Resp: 170305

Ion Ratio Lower Upper

117 100

119 96.3 75.5 113.3



#33

Benzene

Concen: 5.438 ug/L

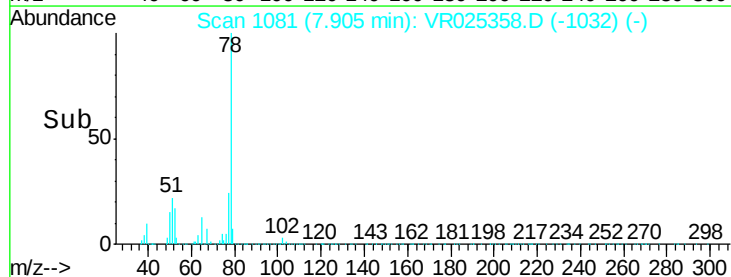
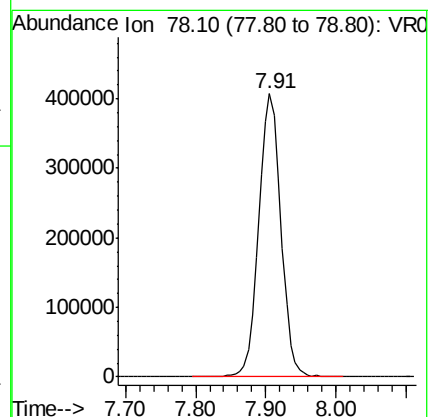
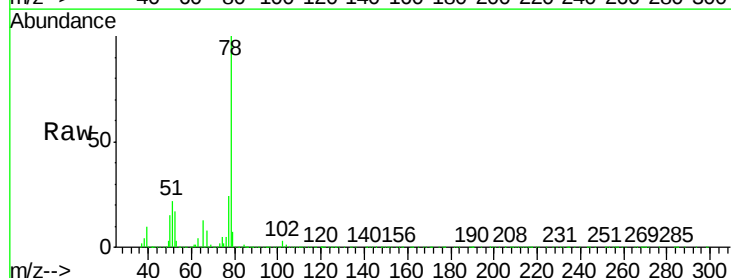
RT: 7.91 min Scan# 1081

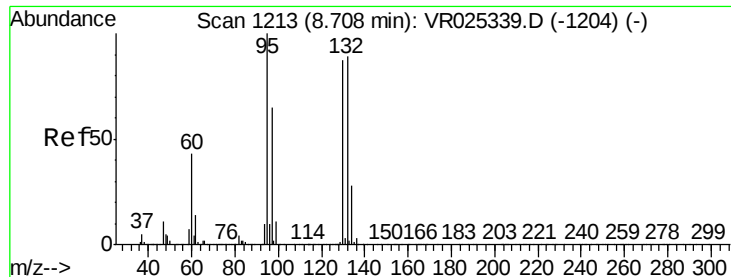
Delta R.T. -0.00 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

Tgt Ion: 78 Resp: 893562

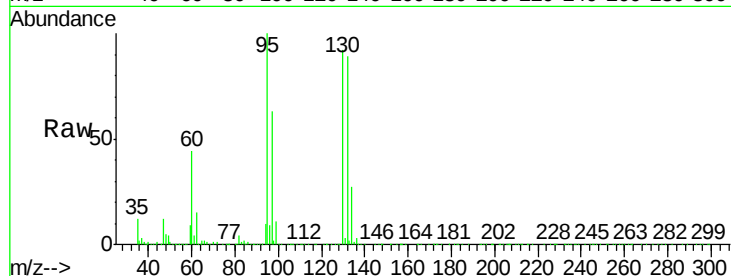




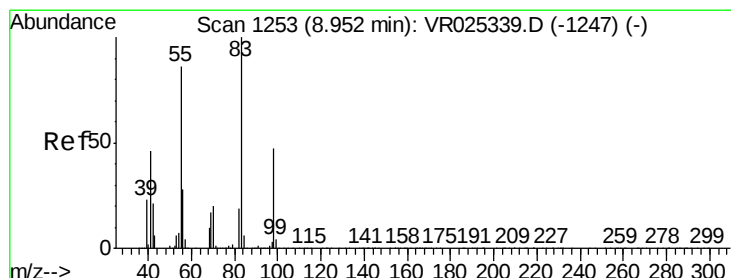
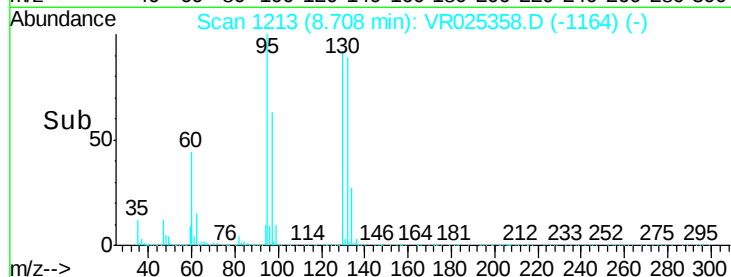
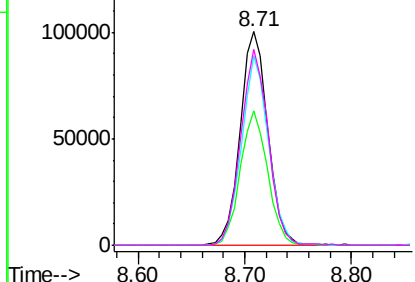
#34
 Trichloroethene
 Concen: 4.613 ug/L
 RT: 8.71 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VR025358.D
 Acq: 17 Jun 2018 11:37

Instrument :
 MSVOA_R
 ClientSampleId :
 BFB88

Tgt Ion:	95	Resp:	183392
Ion	Ratio	Lower	Upper
95	100		
97	63.0	45.6	84.6
132	88.7	60.9	113.1
130	91.8	62.0	115.2

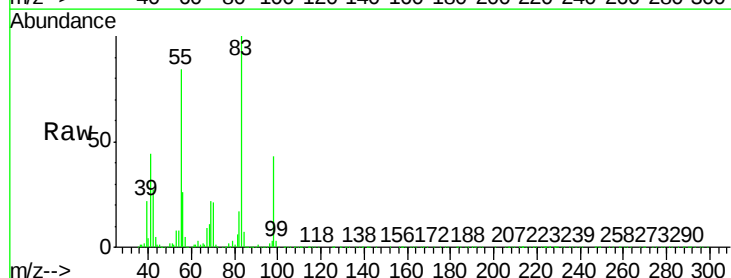


Abundance Ion 95.00 (94.70 to 95.70): VR0
 Ion 96.95 (96.65 to 97.65): VR0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

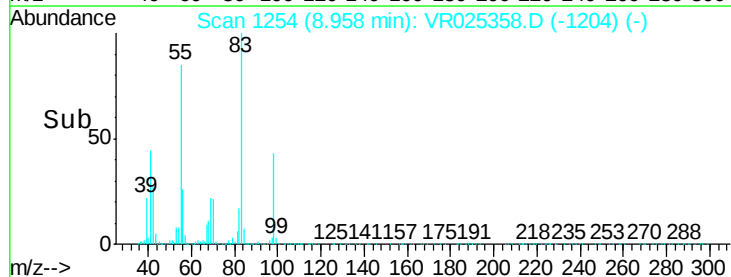
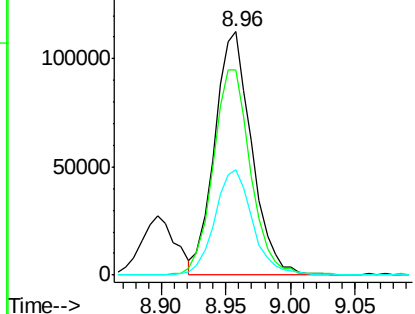


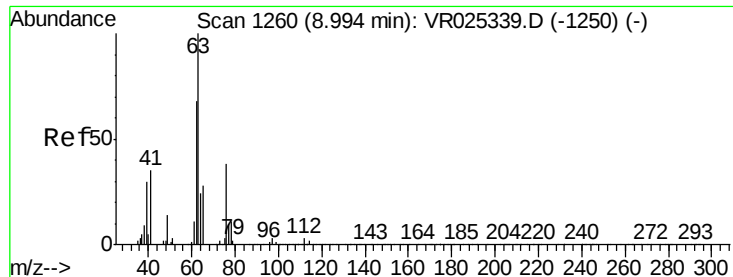
#35
 Methylcyclohexane
 Concen: 3.595 ug/L
 RT: 8.96 min Scan# 1254
 Delta R.T. 0.01 min
 Lab File: VR025358.D
 Acq: 17 Jun 2018 11:37

Tgt Ion:	83	Resp:	225477
Ion	Ratio	Lower	Upper
83	100		
55	85.4	66.1	99.1
98	44.7	36.2	54.4



Abundance Ion 83.15 (82.85 to 83.85): VR0
 Ion 55.10 (54.80 to 55.80): VR0
 Ion 98.15 (97.85 to 98.85): VR0

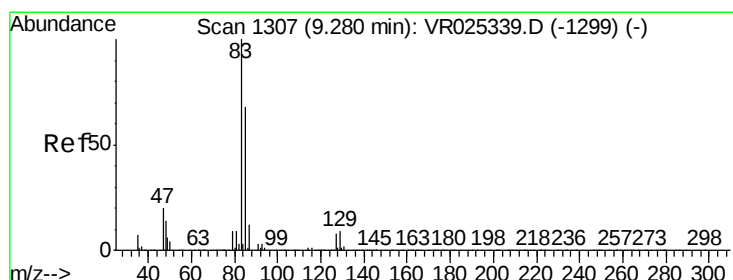
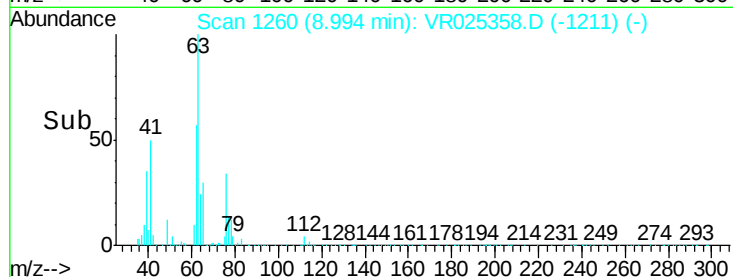
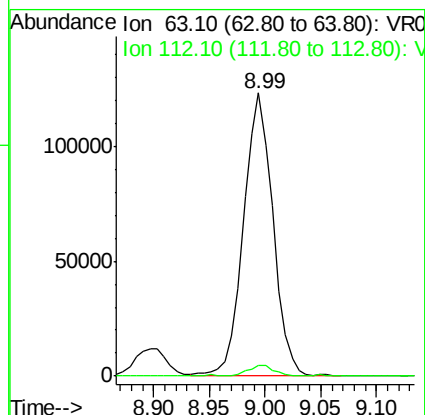
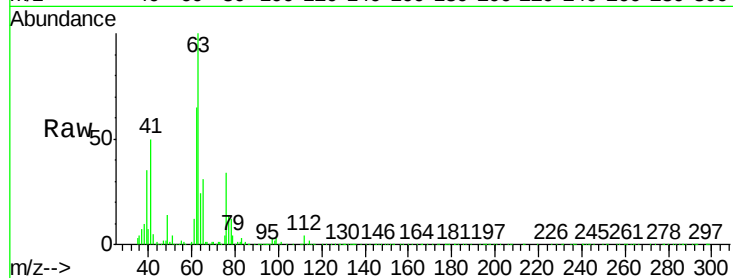




#37
 1,2-Dichloropropane
 Concen: 6.158 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VR025358.D
 Acq: 17 Jun 2018 11:37

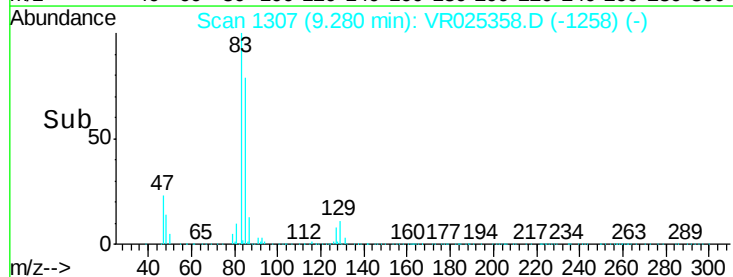
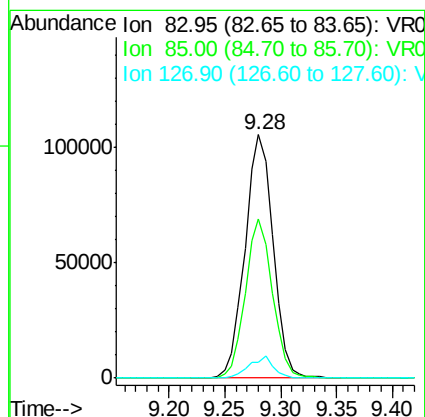
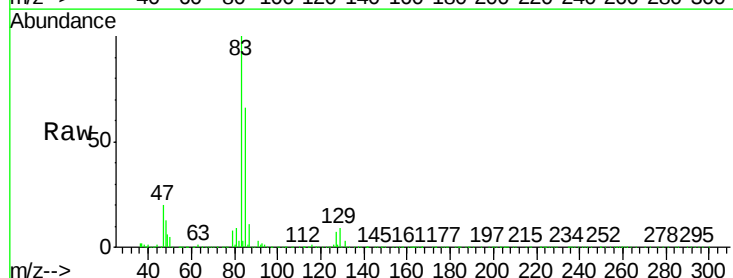
Instrument :
 MSVOA_R
 ClientSampleId :
 BFB88

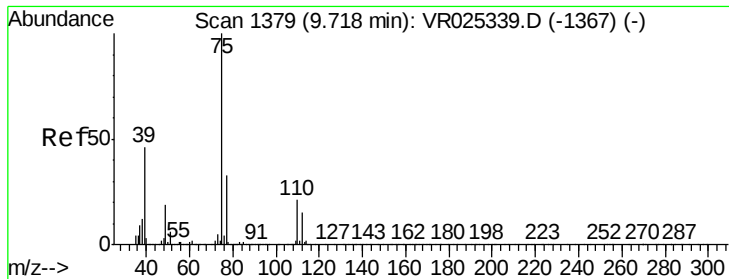
Tgt Ion: 63 Resp: 224914
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 5.222 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VR025358.D
 Acq: 17 Jun 2018 11:37

Tgt Ion: 83 Resp: 184978
 Ion Ratio Lower Upper
 83 100
 85 65.6 46.1 85.7
 127 6.7 5.7 8.5





#39

cis-1,3-Dichloropropene

Concen: 3.954 ug/L

RT: 9.72 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

Instrument :

MSVOA_R

ClientSampleId :

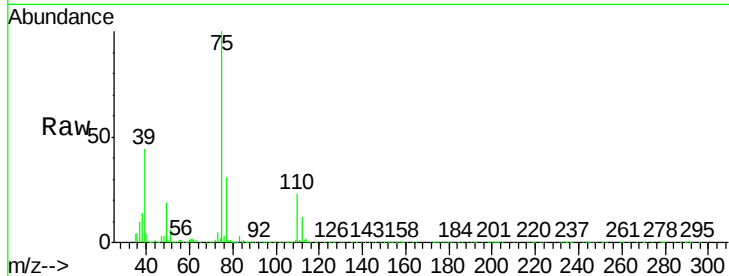
BFB88

Tgt Ion: 75 Resp: 170103

Ion Ratio Lower Upper

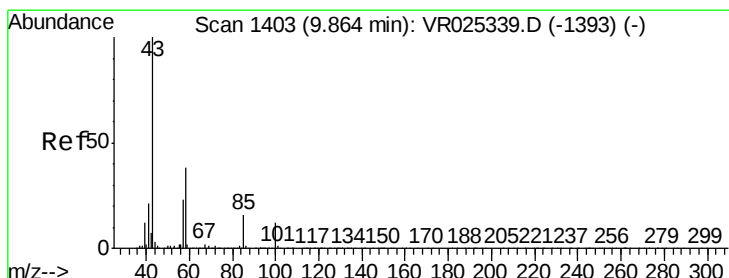
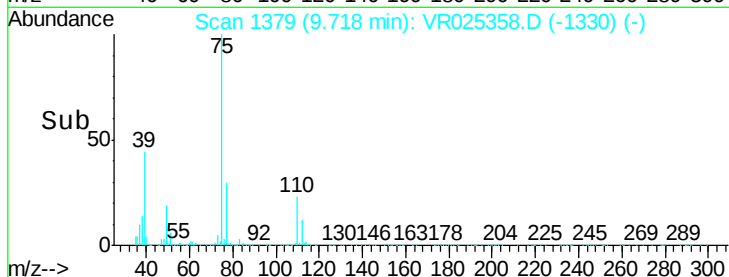
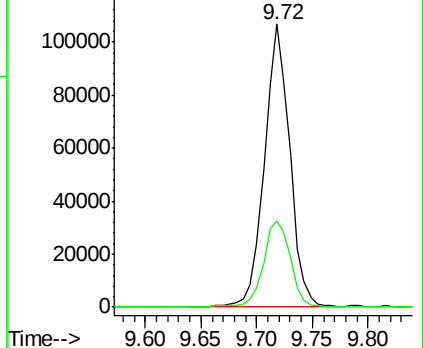
75 100

77 30.5 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#40

4-Methyl-2-pentanone

Concen: 69.811 ug/L

RT: 9.86 min Scan# 1403

Delta R.T. -0.00 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

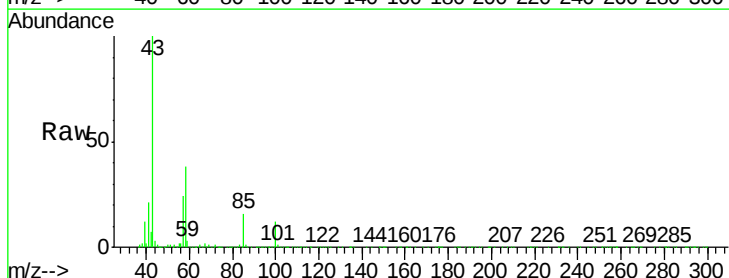
Tgt Ion: 43 Resp: 825126

Ion Ratio Lower Upper

43 100

58 39.0 30.3 45.5

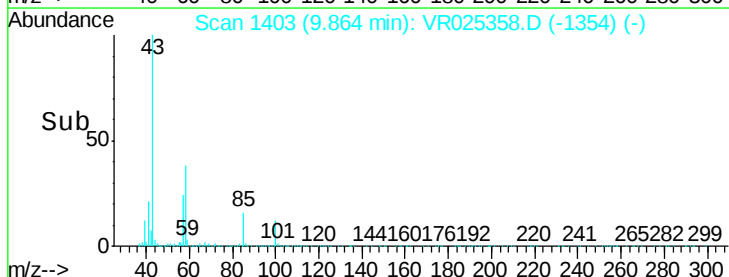
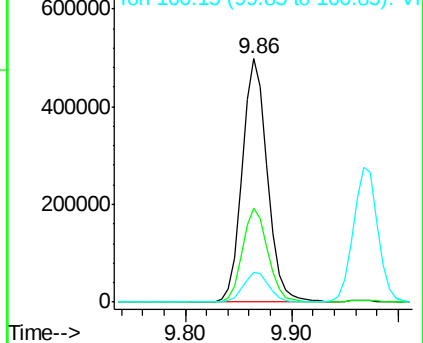
100 12.5 10.3 15.5

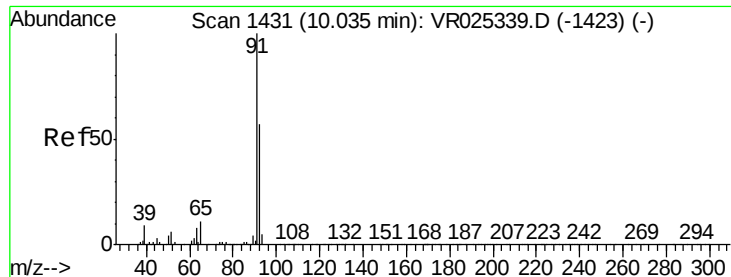


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 4.752 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

Instrument :

MSVOA_R

ClientSampled :

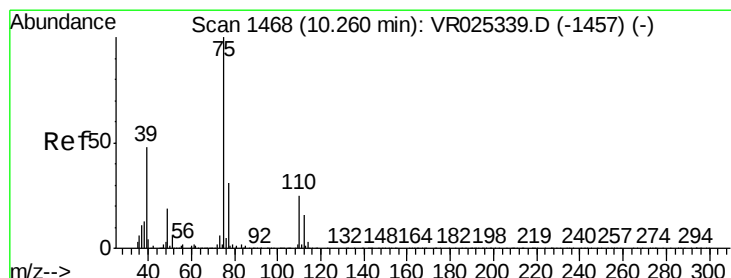
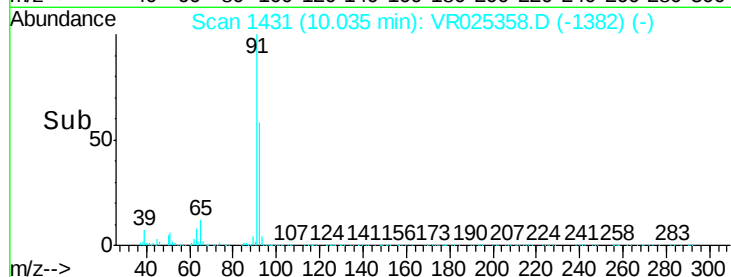
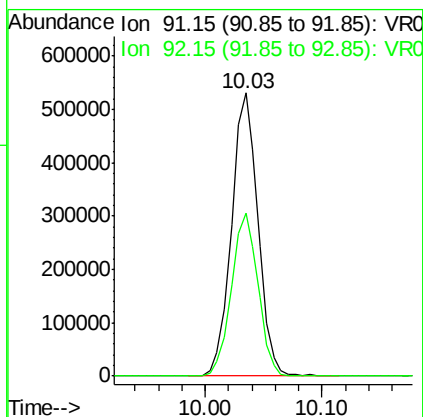
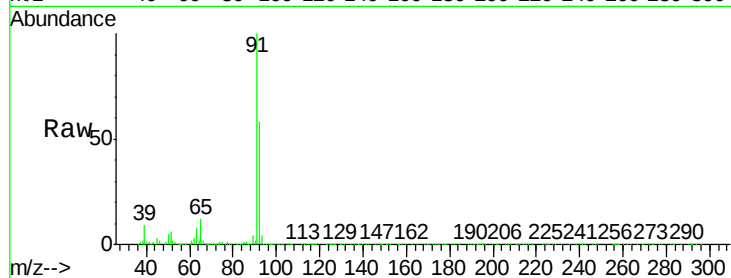
BFB88

Tgt Ion: 91 Resp: 836678

Ion Ratio Lower Upper

91 100

92 57.8 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 3.907 ug/L

RT: 10.26 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VR025358.D

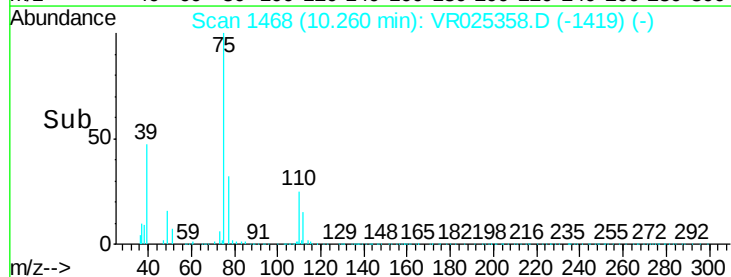
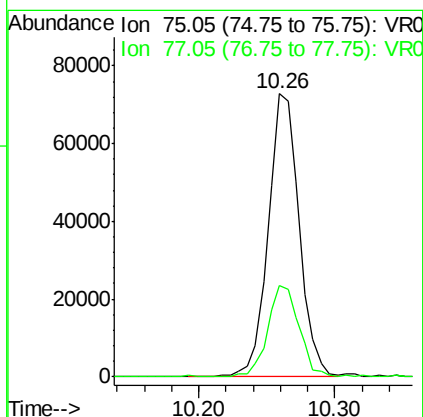
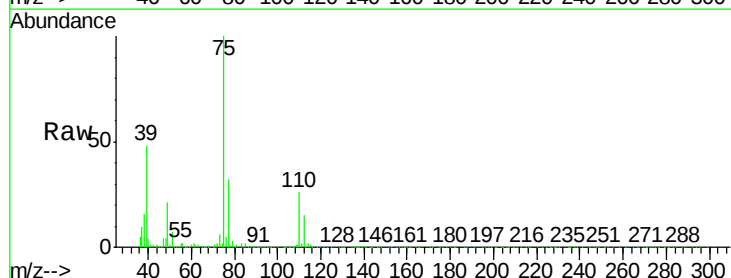
Acq: 17 Jun 2018 11:37

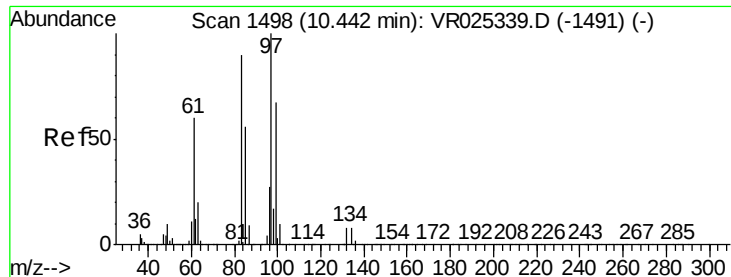
Tgt Ion: 75 Resp: 115593

Ion Ratio Lower Upper

75 100

77 32.4 20.6 38.4

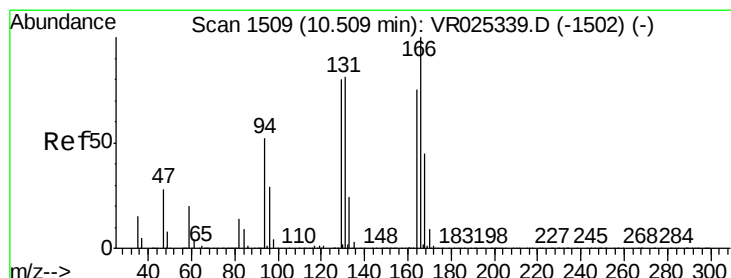
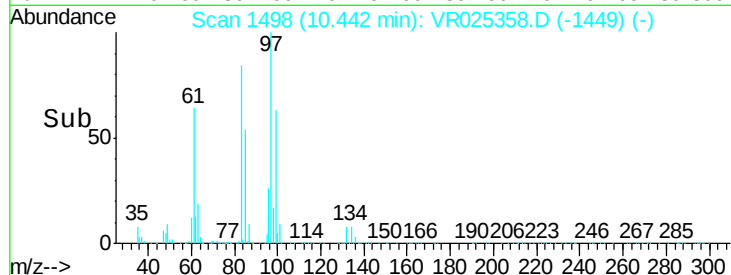
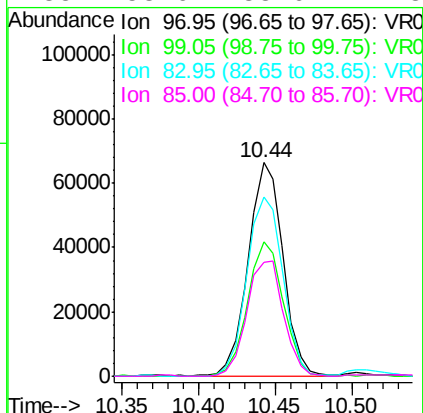
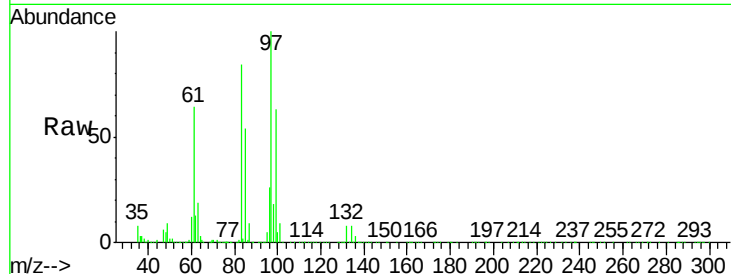




#45
1,1,2-Trichloroethane
Concen: 6.178 ug/L
RT: 10.44 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VR025358.D
Acq: 17 Jun 2018 11:37

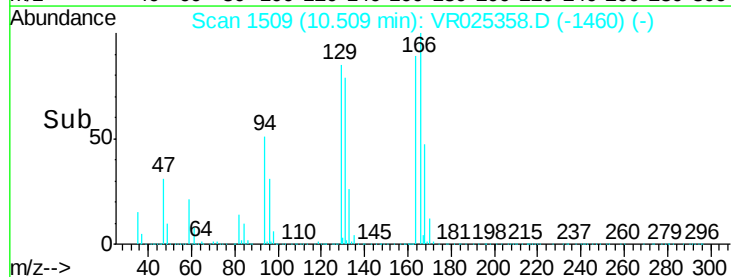
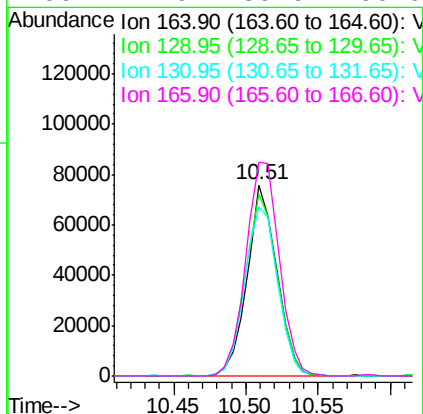
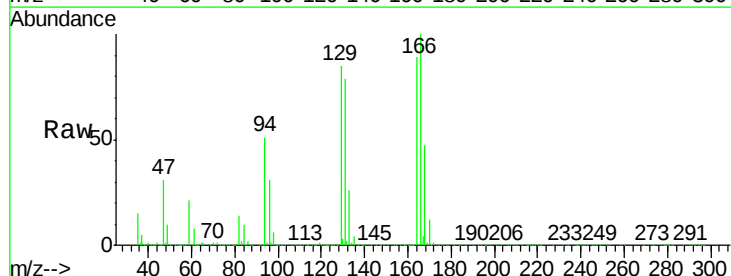
Instrument :
MSVOA_R
ClientSampled :
BFB88

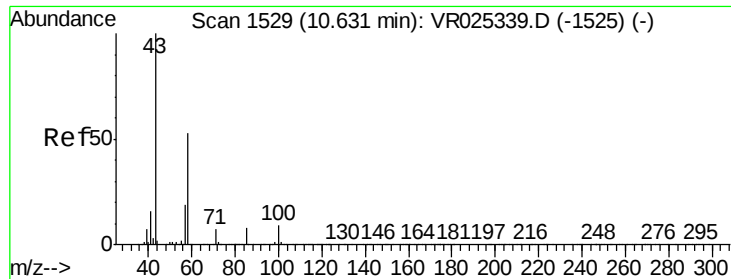
Tgt Ion:	97	Resp:	104753
Ion	Ratio	Lower	Upper
97	100		
99	62.8	41.9	77.9
83	84.1	64.5	119.9
85	53.6	38.6	71.8



#47
Tetrachloroethene
Concen: 4.058 ug/L
RT: 10.51 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VR025358.D
Acq: 17 Jun 2018 11:37

Tgt Ion:	164	Resp:	107681
Ion	Ratio	Lower	Upper
164	100		
129	95.5	68.1	126.5
131	88.6	68.5	127.1
166	111.9	89.9	166.9

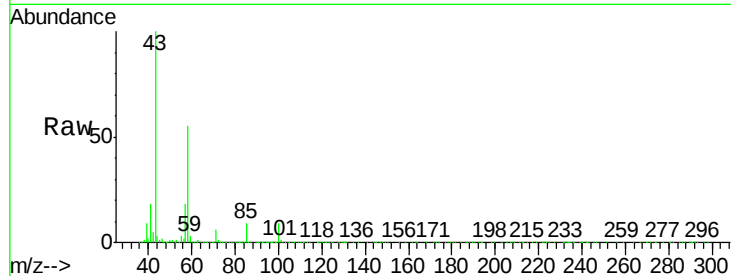




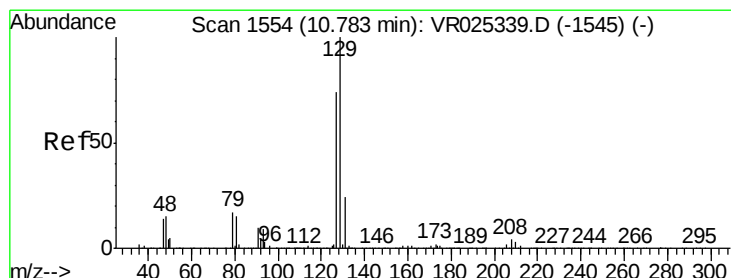
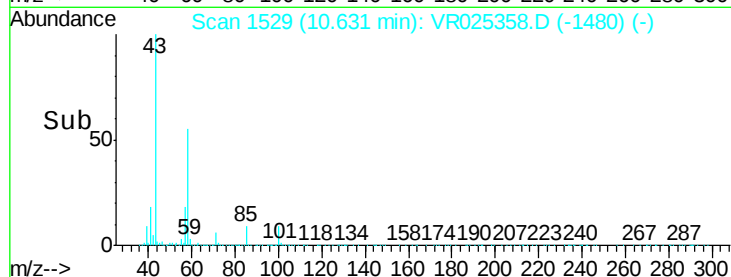
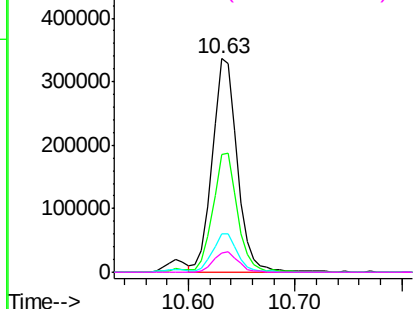
#48
2-Hexanone
Concen: 71.624 ug/L
RT: 10.63 min Scan# 1529
Delta R.T. -0.00 min
Lab File: VR025358.D
Acq: 17 Jun 2018 11:37

Instrument :
MSVOA_R
ClientSampleId :
BFB88

Tgt Ion:	43	Resp:	539638
Ion	Ratio	Lower	Upper
43	100		
58	56.7	43.1	64.7
57	17.9	15.3	22.9
100	9.8	7.9	11.9

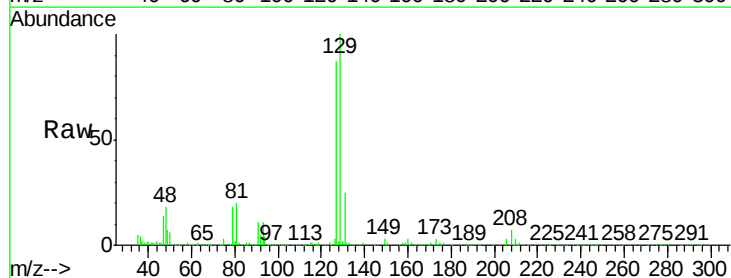


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

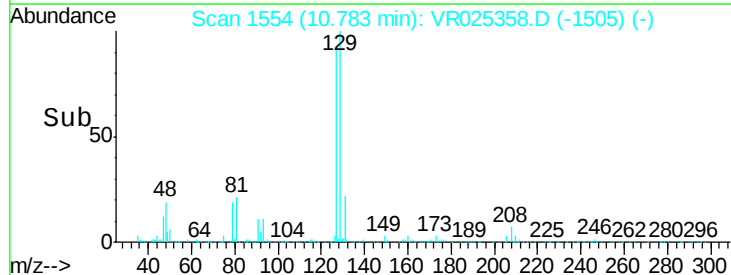
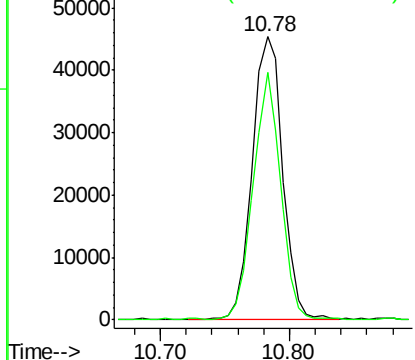


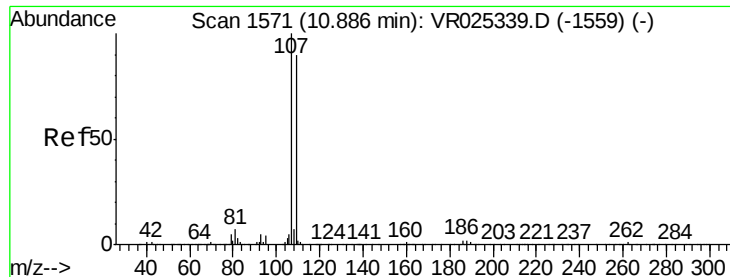
#49
Dibromochloromethane
Concen: 4.496 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VR025358.D
Acq: 17 Jun 2018 11:37

Tgt Ion:	129	Resp:	73395
Ion	Ratio	Lower	Upper
129	100		
127	87.3	55.9	103.7



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

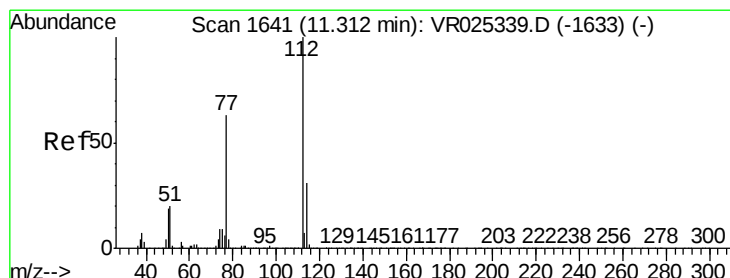
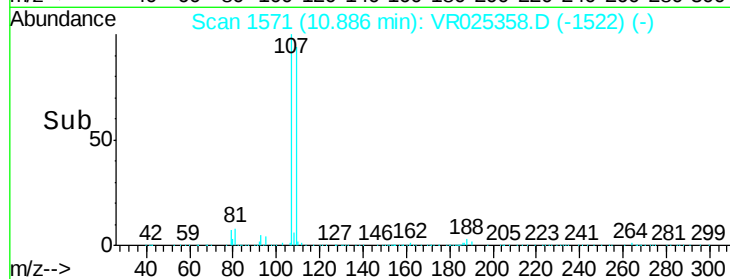
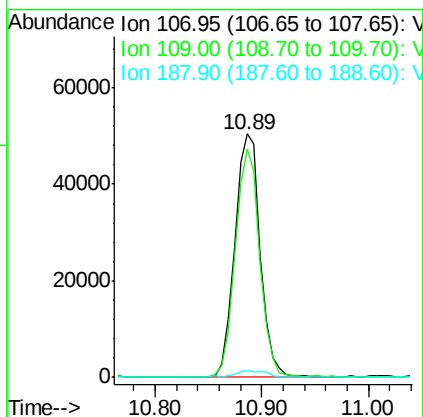
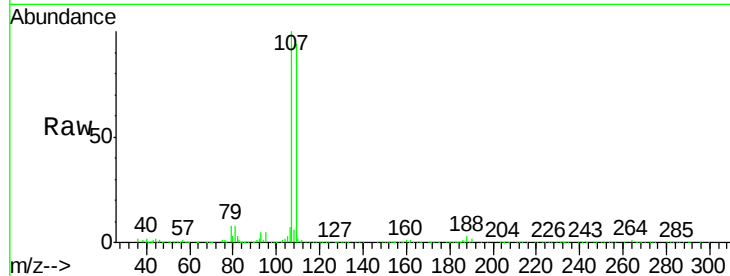




#50
1,2-Dibromoethane
Concen: 6.184 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VR025358.D
Acq: 17 Jun 2018 11:37

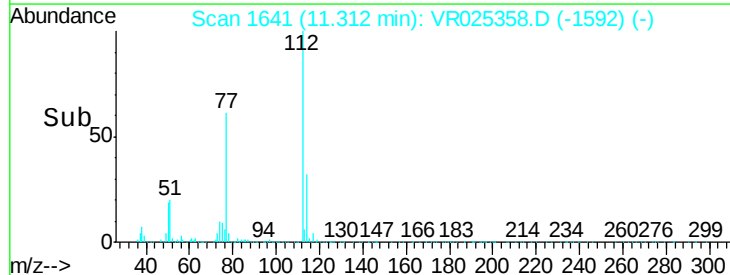
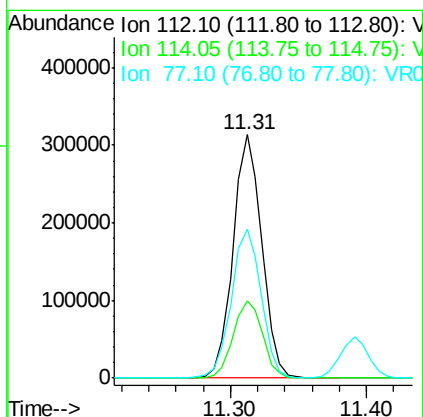
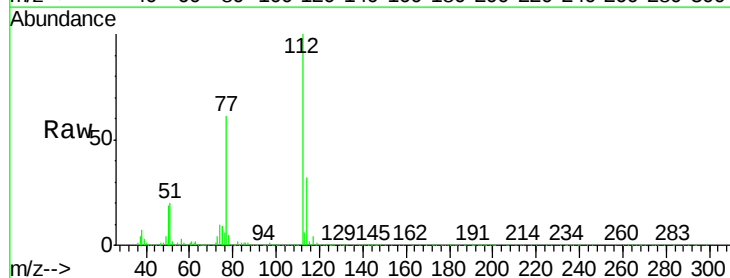
Instrument :
MSVOA_R
ClientSampleId :
BFB88

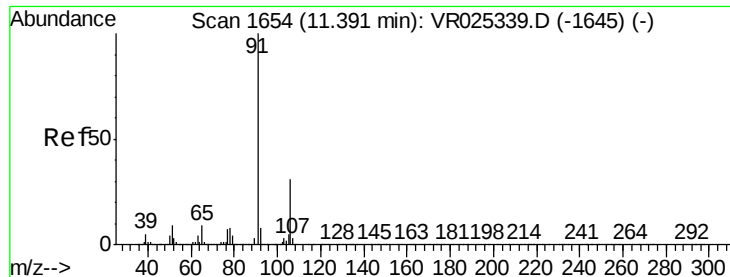
Tgt Ion:107 Resp: 84057
Ion Ratio Lower Upper
107 100
109 93.6 63.1 117.3
188 2.9 1.8 2.8#



#51
Chlorobenzene
Concen: 4.873 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VR025358.D
Acq: 17 Jun 2018 11:37

Tgt Ion:112 Resp: 459533
Ion Ratio Lower Upper
112 100
114 31.5 21.6 40.0
77 60.9 51.9 77.9





#52

Ethylbenzene

Concen: 4.810 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

Instrument :

MSVOA_R

ClientSampleId :

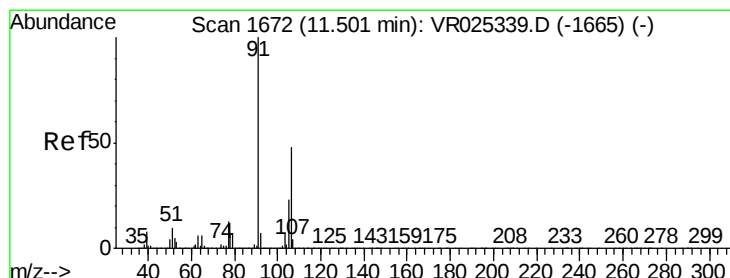
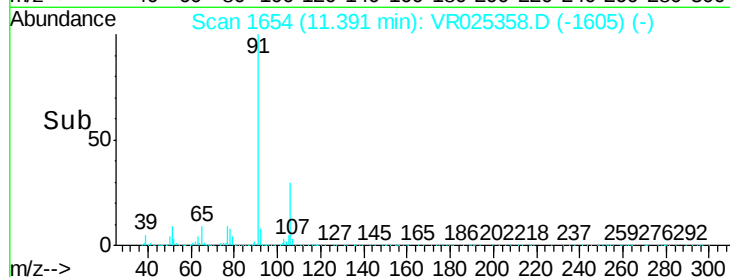
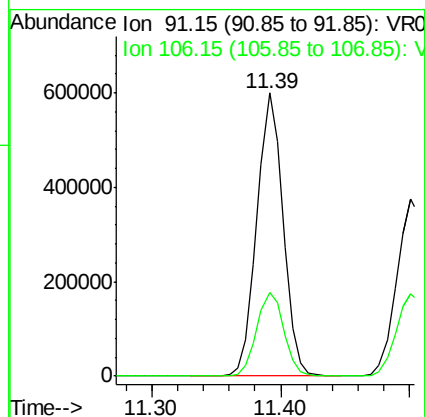
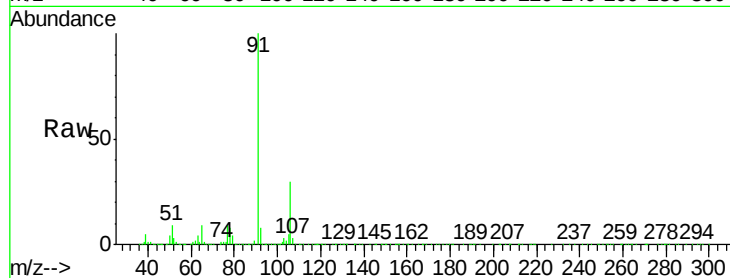
BFB88

Tgt Ion: 91 Resp: 840247

Ion Ratio Lower Upper

91 100

106 29.7 22.5 41.7



#53

m,p-Xylene

Concen: 4.570 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VR025358.D

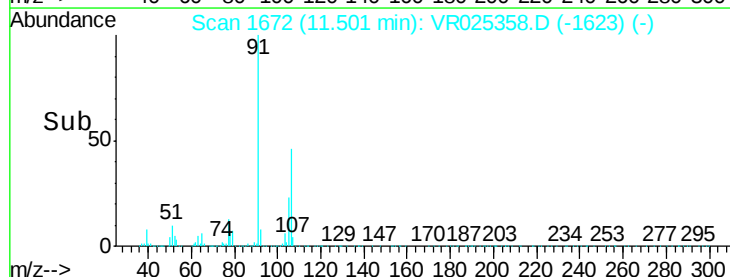
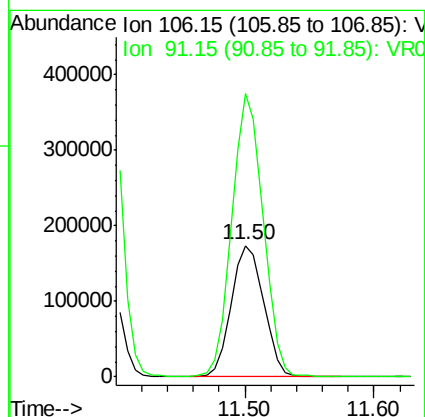
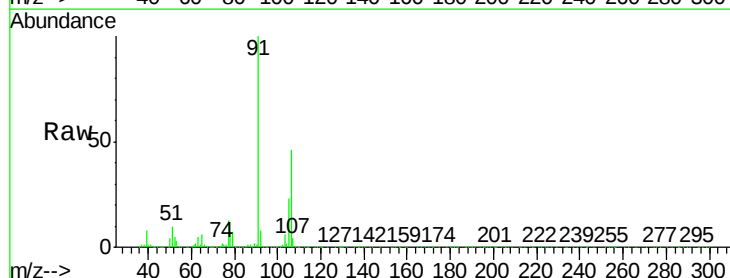
Acq: 17 Jun 2018 11:37

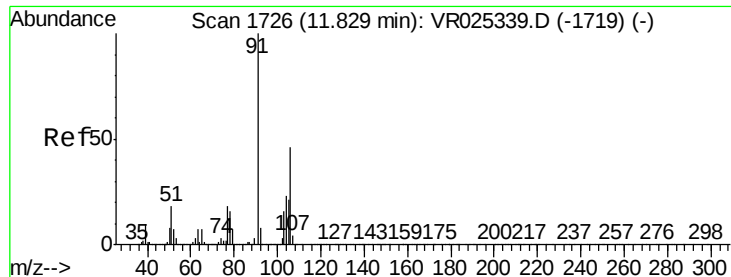
Tgt Ion: 106 Resp: 304756

Ion Ratio Lower Upper

106 100

91 215.7 152.6 283.4

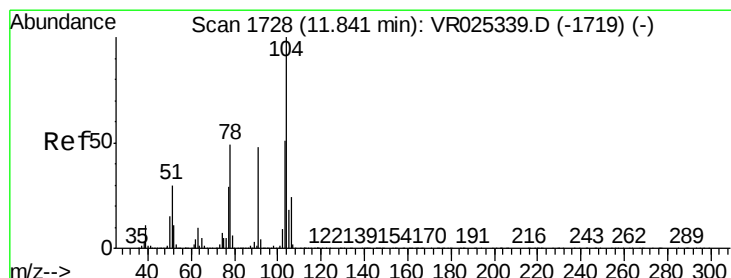
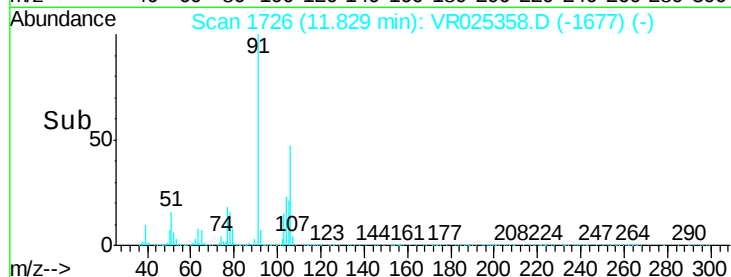
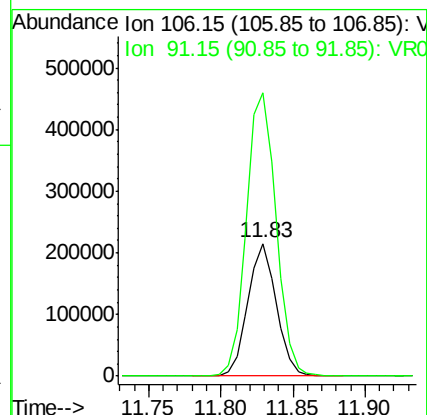
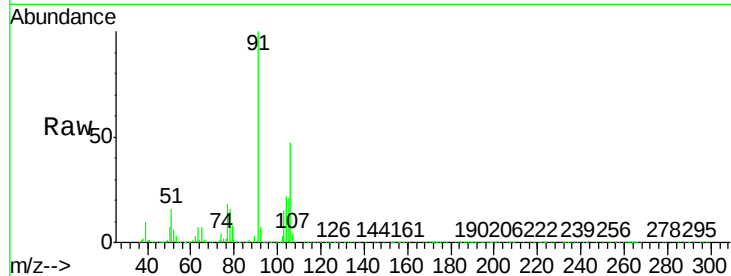




#54
o-Xylene
Concen: 4.942 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VR025358.D
Acq: 17 Jun 2018 11:37

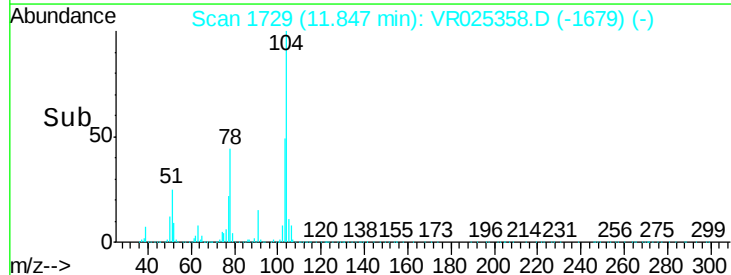
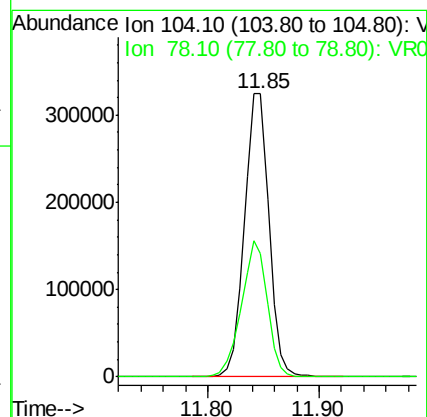
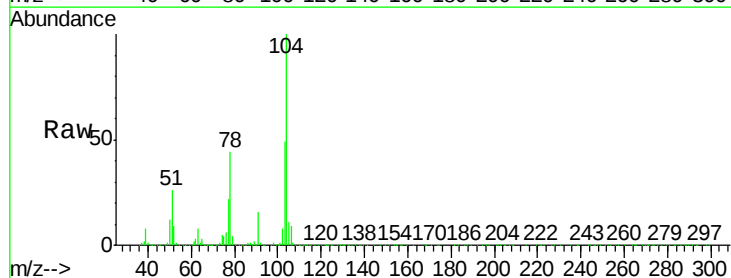
Instrument :
MSVOA_R
ClientSampled :
BFB88

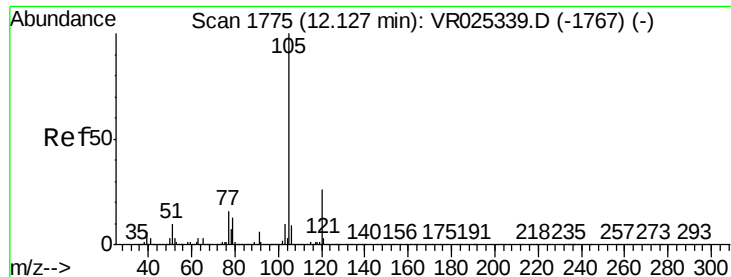
Tgt Ion:106 Resp: 294540
Ion Ratio Lower Upper
106 100
91 213.3 153.7 285.5



#55
Styrene
Concen: 5.396 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.01 min
Lab File: VR025358.D
Acq: 17 Jun 2018 11:37

Tgt Ion:104 Resp: 494249
Ion Ratio Lower Upper
104 100
78 43.7 35.4 65.7





#56

Isopropylbenzene

Concen: 4.518 ug/L

RT: 12.13 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

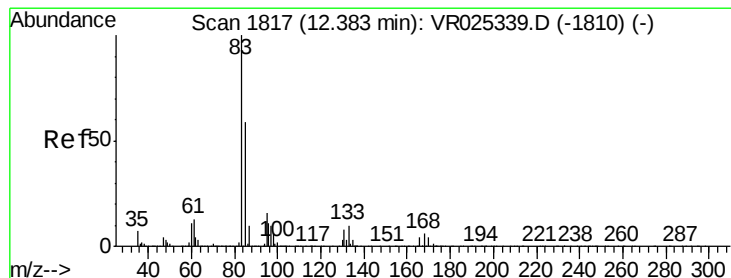
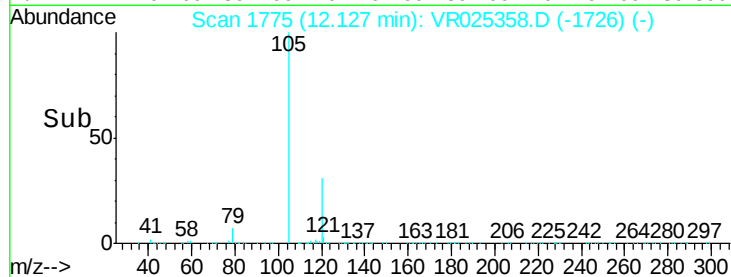
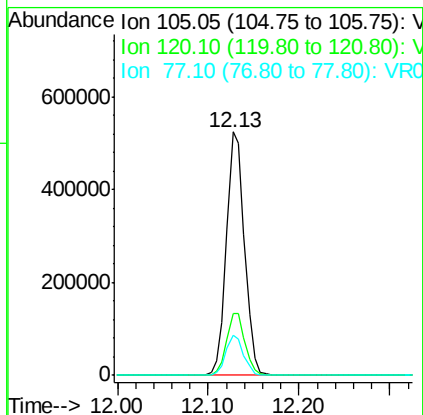
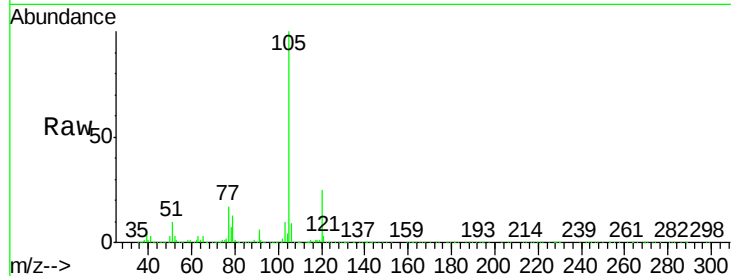
Instrument :

MSVOA_R

ClientSampleId :

BFB88

Tgt Ion:	105	Resp:	724005
Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.2	30.4
77	16.0	13.0	19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 6.783 ug/L

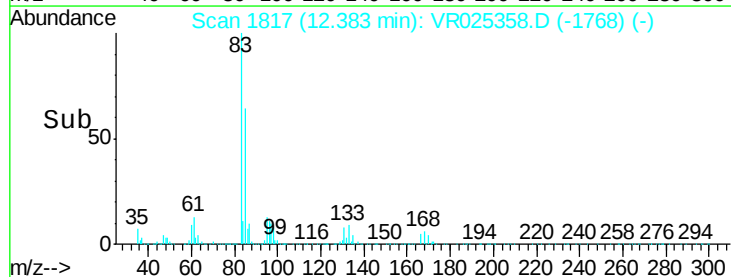
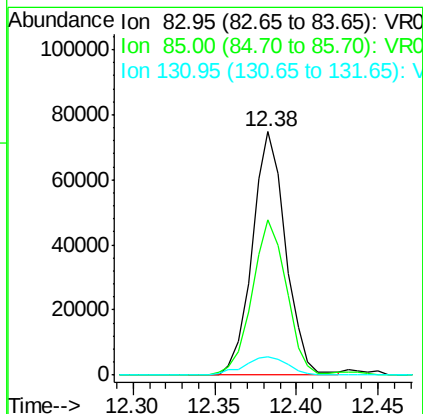
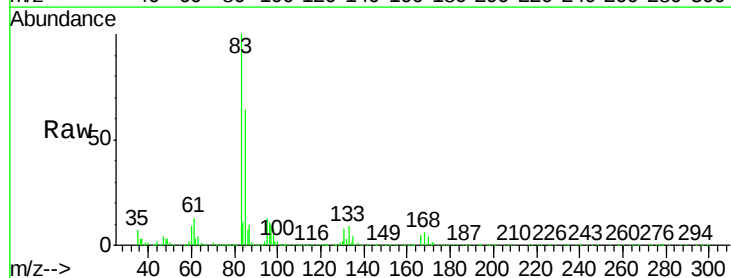
RT: 12.38 min Scan# 1817

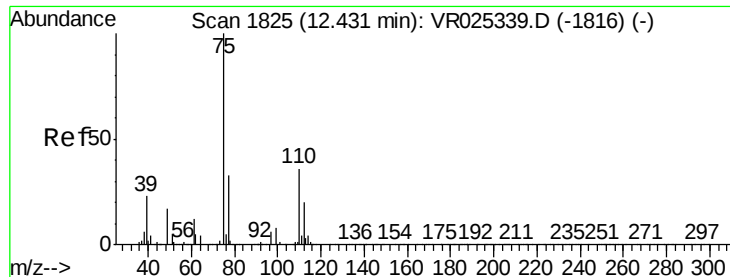
Delta R.T. -0.00 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

Tgt Ion:	83	Resp:	106513
Ion	Ratio	Lower	Upper
83	100		
85	64.0	41.8	77.6
131	7.7	6.1	9.1

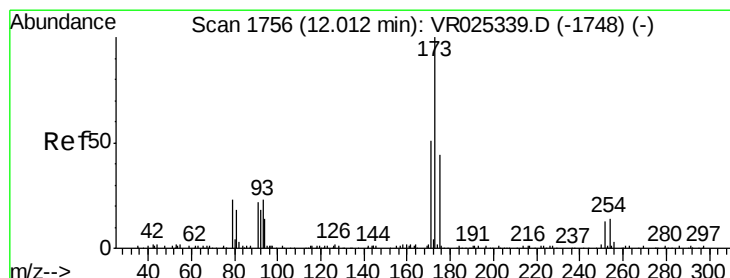
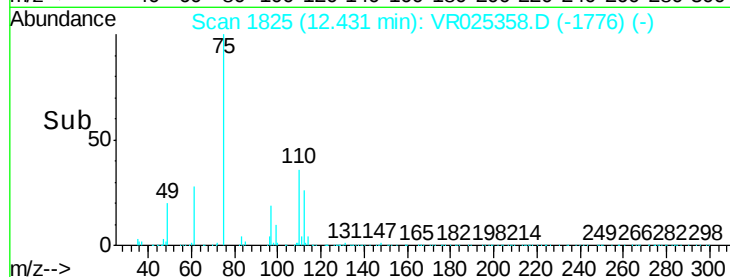
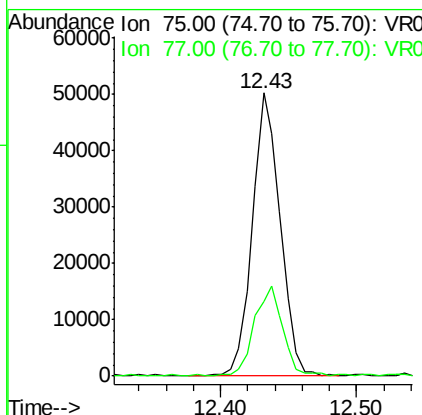
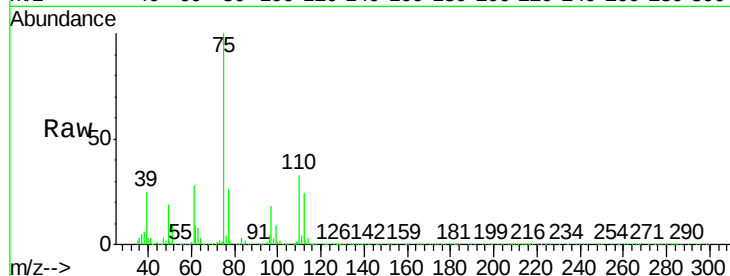




#59
 1,2,3-Trichloropropane
 Concen: 6.372 ug/L
 RT: 12.43 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: VR025358.D
 Acq: 17 Jun 2018 11:37

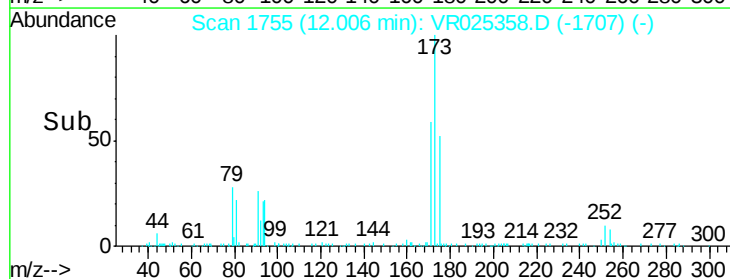
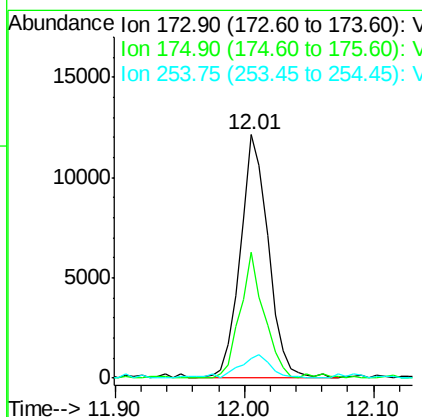
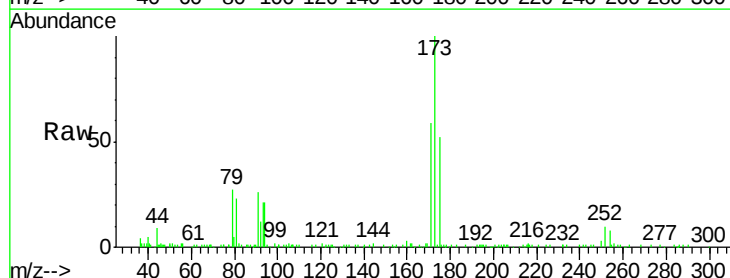
Instrument :
 MSVOA_R
 ClientSampled :
 BFB88

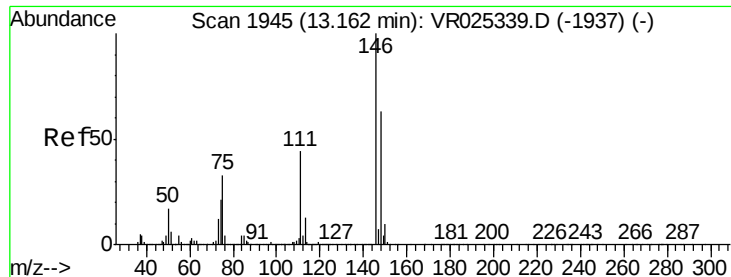
Tgt Ion: 75 Resp: 72209
 Ion Ratio Lower Upper
 75 100
 77 31.7 27.0 40.4



#61
 Bromoform
 Concen: 3.541 ug/L
 RT: 12.01 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: VR025358.D
 Acq: 17 Jun 2018 11:37

Tgt Ion: 173 Resp: 18266
 Ion Ratio Lower Upper
 173 100
 175 44.3 37.5 56.3
 254 10.9 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 4.966 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

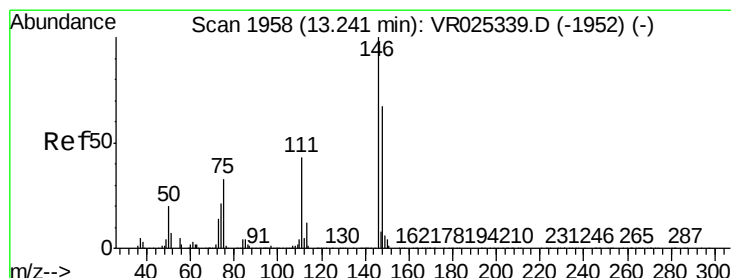
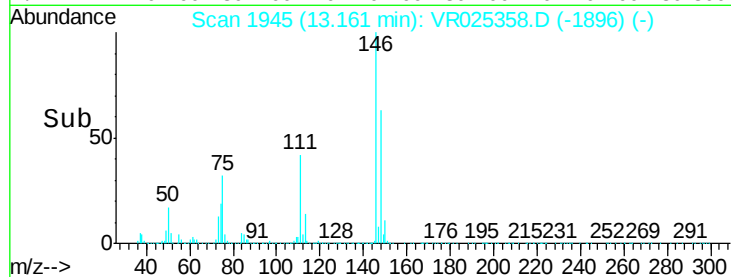
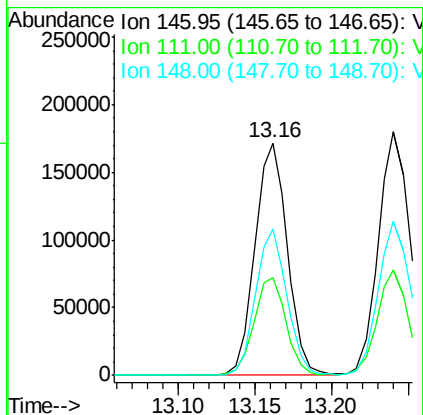
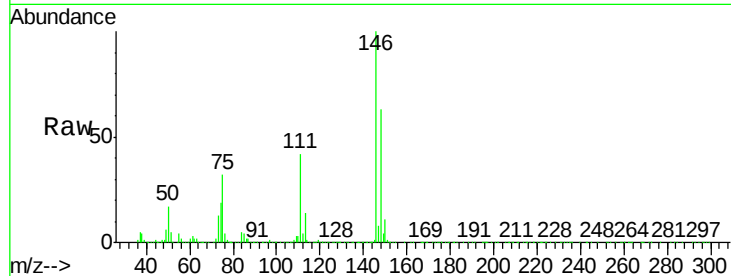
Instrument :

MSVOA_R

ClientSampled :

BFB88

Tgt Ion:	146	Resp:	252080
Ion	Ratio	Lower	Upper
146	100		
111	41.9	31.0	57.6
148	63.1	44.8	83.2



#63

1,4-Dichlorobenzene

Concen: 5.095 ug/L

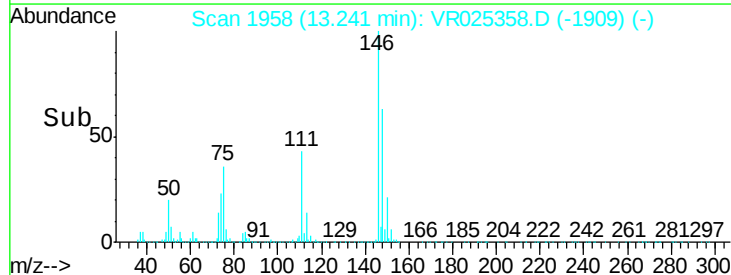
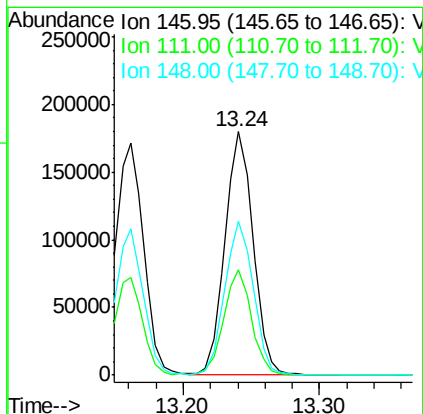
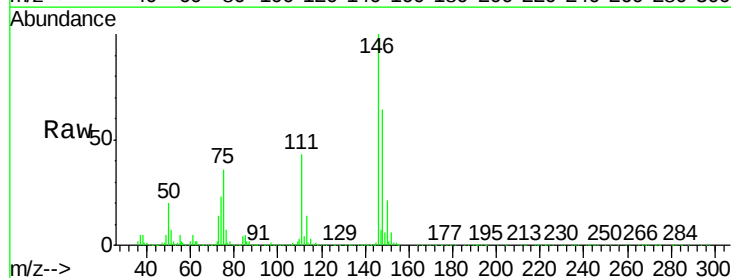
RT: 13.24 min Scan# 1958

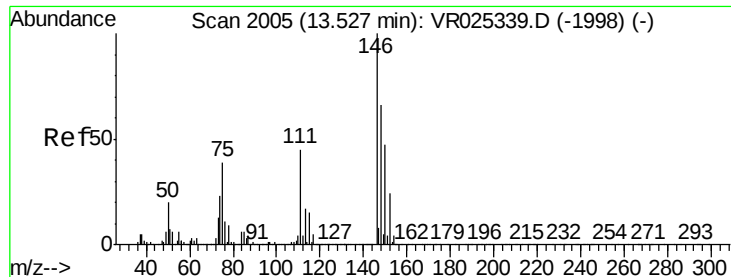
Delta R.T. -0.00 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

Tgt Ion:	146	Resp:	258552
Ion	Ratio	Lower	Upper
146	100		
111	43.4	30.5	56.7
148	63.5	42.8	79.4





#65

1,2-Dichlorobenzene

Concen: 5.488 ug/L

RT: 13.53 min Scan# 2006

Delta R.T. 0.01 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

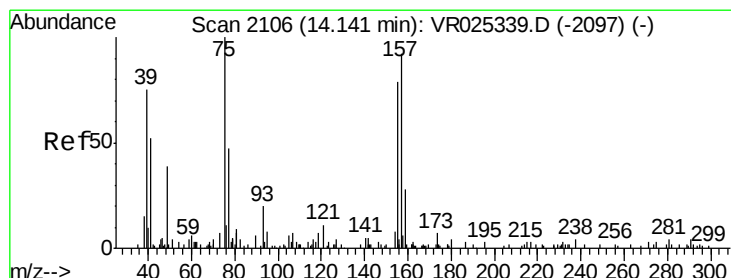
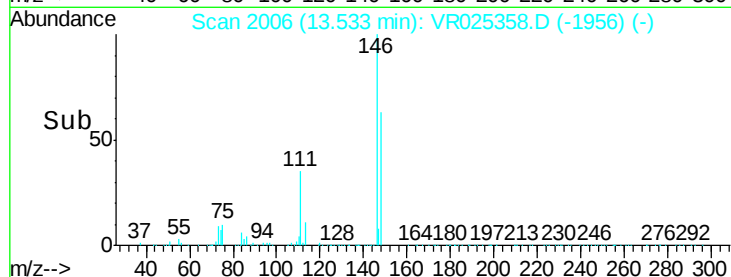
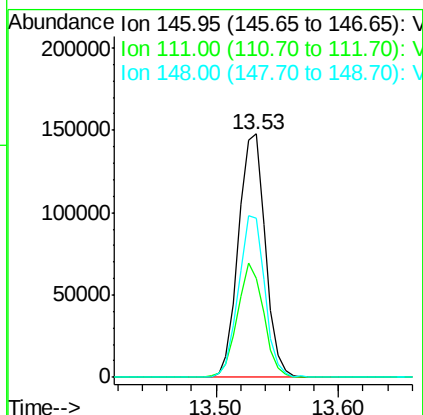
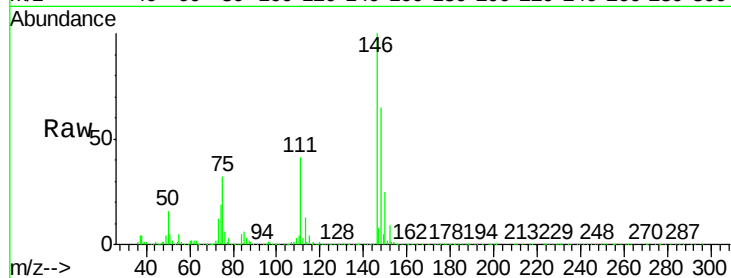
Instrument :

MSVOA_R

ClientSampleId :

BFB88

Tgt Ion:	146	Resp:	223243
Ion	Ratio	Lower	Upper
146	100		
111	40.9	35.8	53.8
148	65.4	50.4	75.6



#66

1,2-Dibromo-3-chloropropane

Concen: 4.750 ug/L

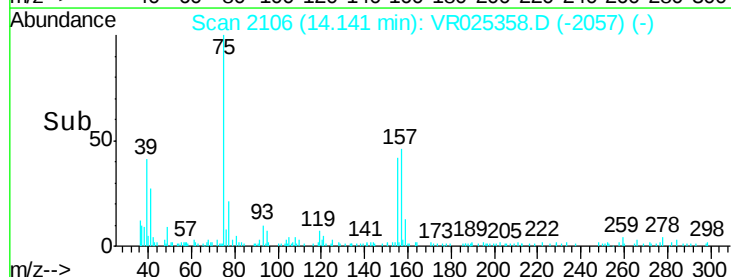
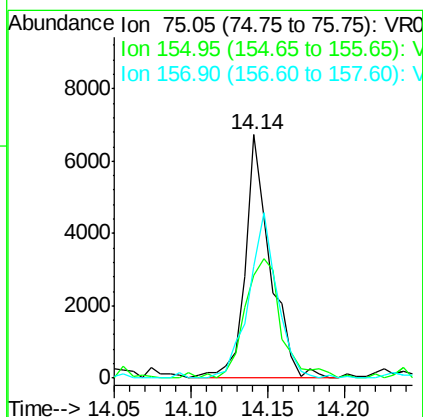
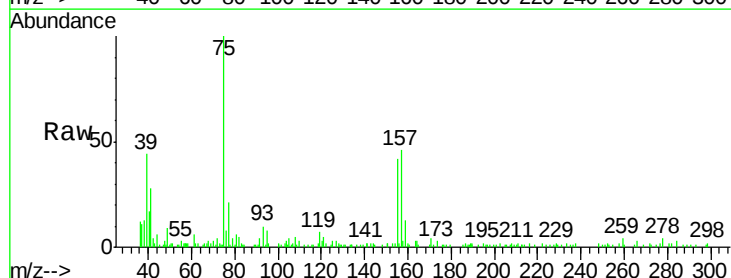
RT: 14.14 min Scan# 2106

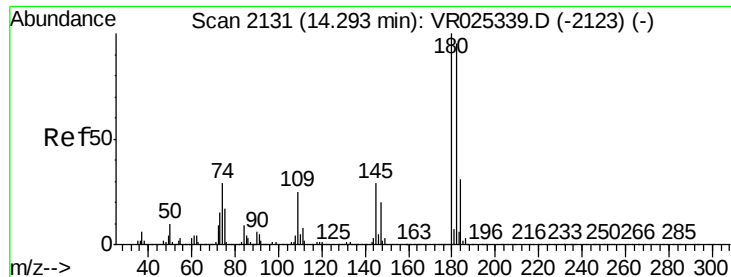
Delta R.T. -0.00 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

Tgt Ion:	75	Resp:	7634
Ion	Ratio	Lower	Upper
75	100		
155	42.2	74.1	111.1#
157	45.7	71.0	106.6#

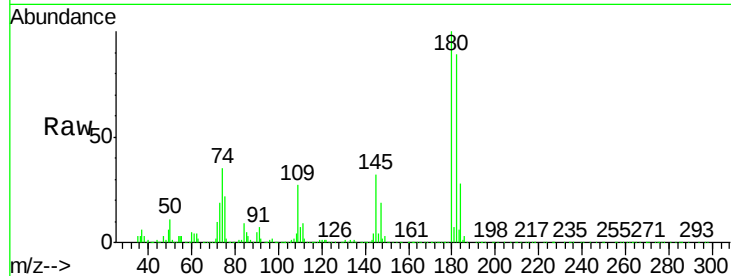




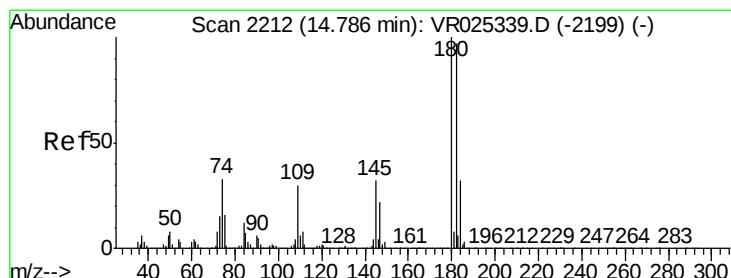
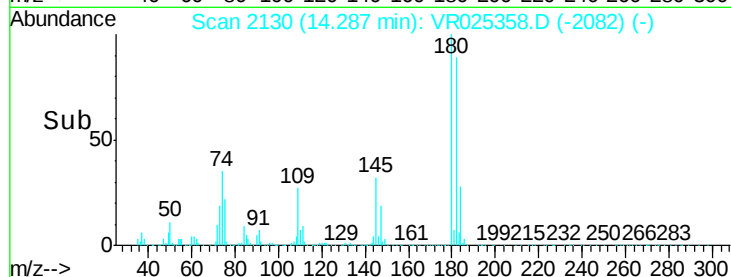
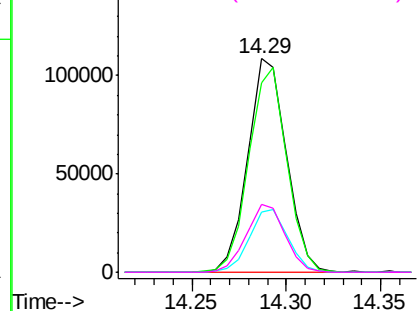
#67
 1,3,5-Trichlorobenzene
 Concen: 4.570 ug/L
 RT: 14.29 min Scan# 2130
 Delta R.T. -0.01 min
 Lab File: VR025358.D
 Acq: 17 Jun 2018 11:37

Instrument :
 MSVOA_R
 ClientSampleId :
 BFB88

Tgt Ion:	180	Resp:	153635
Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.0	114.0
184	29.6	24.5	36.7
145	32.1	25.2	37.8

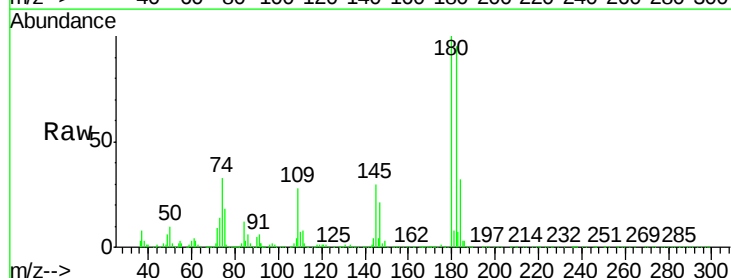


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

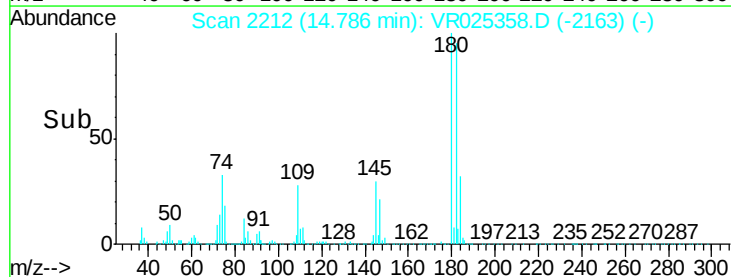
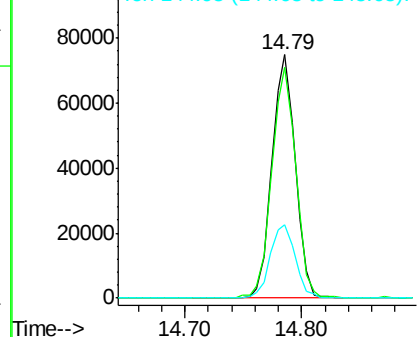


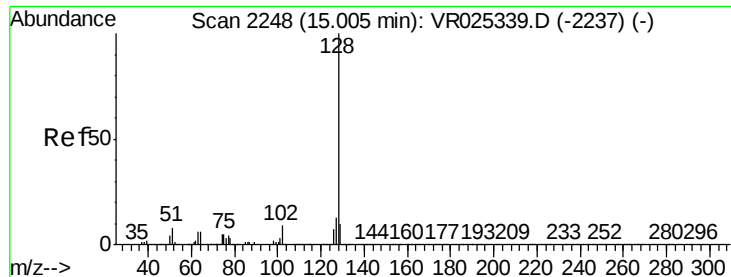
#68
 1,2,4-trichlorobenzene
 Concen: 4.394 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VR025358.D
 Acq: 17 Jun 2018 11:37

Tgt Ion:	180	Resp:	102831
Ion	Ratio	Lower	Upper
180	100		
182	97.5	75.0	112.4
145	32.8	27.3	40.9



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: 5.422 ug/L

RT: 15.00 min Scan# 2247

Delta R.T. -0.01 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

Instrument :

MSVOA_R

ClientSampleId :

BFB88

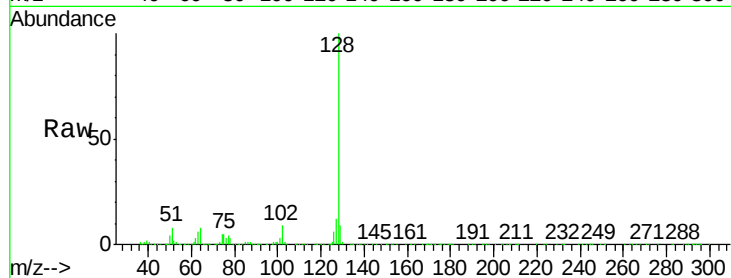
Tgt Ion:128 Resp: 165141

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

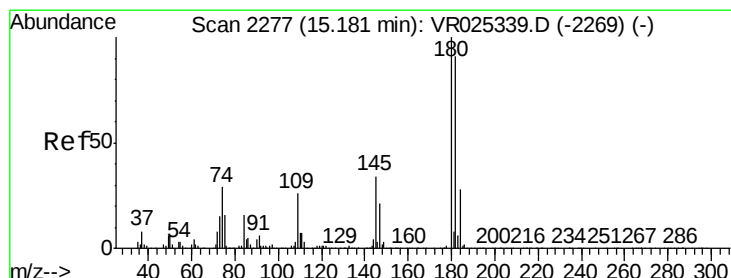
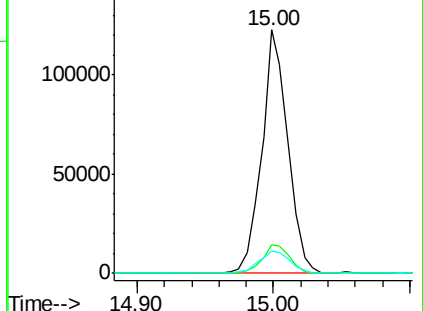
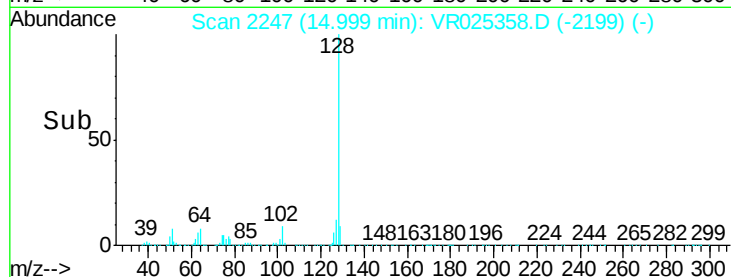
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.260 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. -0.00 min

Lab File: VR025358.D

Acq: 17 Jun 2018 11:37

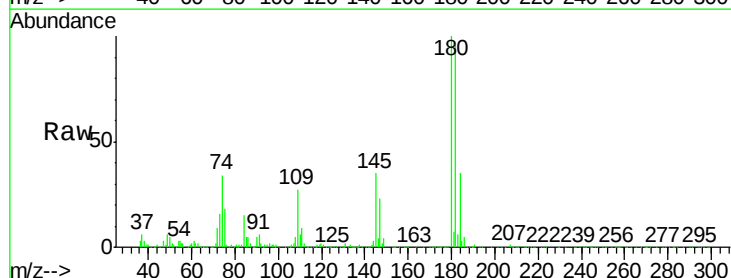
Tgt Ion:180 Resp: 95266

Ion Ratio Lower Upper

180 100

182 92.7 75.2 112.8

145 35.6 28.2 42.2



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

