

Data File : VR025745.D
Acq On : 17 Sep 2018 14:48
Operator : SY/MD
Sample : VSTD02009
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD02009

Quant Time: Sep 17 15:19:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 14:42:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	898497	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	773951	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	331740	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	839785	21.49	ug/L	0.00
7) Chloroethane-d5	2.62	69	669699	20.94	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	2220259	20.78	ug/L	-0.01
20) 2-Butanone-d5	6.59	46	833363	211.33	ug/L	0.00
24) Chloroform-d	7.20	84	1975892	22.11	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	670264	22.12	ug/L	0.00
32) Benzene-d6	7.86	84	4625235	22.11	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	1202222	21.33	ug/L	0.00
41) Toluene-d8	9.97	98	4359801	21.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	303718	21.83	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	938943	225.68	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	530386	21.51	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	979192	20.83	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	883529	19.283 ug/L	97
3) Chloromethane	2.01	50	992529	17.646 ug/L	96
5) Vinyl chloride	2.17	62	1030149	18.427 ug/L	96
6) Bromomethane	2.52	94	675107	16.871 ug/L	93
8) Chloroethane	2.65	64	583973	17.789 ug/L	100
9) Trichlorofluoromethane	2.93	101	842114	8.171 ug/L	# 6
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	972791	17.516 ug/L	99
12) 1,1-Dichloroethene	3.63	96	1035558	17.667 ug/L	91
13) Acetone	3.70	43	441045	165.965 ug/L	92
14) Carbon disulfide	3.93	76	2961903	21.416 ug/L	97
15) Methyl Acetate	4.20	43	142659	15.057 ug/L	98
16) Methylene chloride	4.40	84	859156	16.555 ug/L	93
17) Methyl tert-butyl Ether	4.90	73	1407780	19.523 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	1413872	19.736 ug/L	98
19) 1,1-Dichloroethane	5.69	63	2254595	20.410 ug/L	98
21) 2-Butanone	6.69	43	1142031	203.635 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	1325212	21.262 ug/L	# 98
23) Bromochloromethane	7.05	128	368735	17.245 ug/L	84
25) Chloroform	7.23	83	2012325	19.938 ug/L	97
27) 1,2-Dichloroethane	7.99	62	762296	19.140 ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	1609727	20.879 ug/L	98
30) Cyclohexane	7.52	56	2196606	23.710 ug/L	98
31) Carbon tetrachloride	7.64	117	1526466	20.425 ug/L	99
33) Benzene	7.91	78	5587902	20.265 ug/L	100
34) Trichloroethene	8.71	95	1354684	20.271 ug/L	97
35) Methylcyclohexane	8.95	83	2314343	22.438 ug/L	99
37) 1,2-Dichloropropane	9.00	63	1180397	18.989 ug/L	98
38) Bromodichloromethane	9.28	83	1106469	19.821 ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	1396601	21.971 ug/L	94
40) 4-Methyl-2-pentanone	9.87	43	3127113	203.510 ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	5708027	20.224	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	963644	21.553	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	506732	17.402	ug/L	95
47) Tetrachloroethene	10.51	164	1020754	18.652	ug/L	96
48) 2-Hexanone	10.63	43	2122185	196.931	ug/L	96
49) Dibromochloromethane	10.79	129	632006	20.377	ug/L	96
50) 1,2-Dibromoethane	10.89	107	432360	18.692	ug/L #	98
51) Chlorobenzene	11.32	112	3336870	18.808	ug/L	96
52) Ethylbenzene	11.39	91	6270567	20.620	ug/L	93
53) m,p-Xylene	11.50	106	2684206	21.936	ug/L	93
54) o-Xylene	11.83	106	2428456	22.526	ug/L	96
55) Styrene	11.84	104	3720245	21.429	ug/L	92
56) Isopropylbenzene	12.13	105	6117424	22.772	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	544035	19.184	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	359744	18.860	ug/L	98
61) Bromoform	12.01	173	270225	19.038	ug/L	92
62) 1,3-Dichlorobenzene	13.16	146	2140790	20.659	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	2114513	17.941	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	1677563	18.765	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.14	75	47831	18.194	ug/L	89
67) 1,3,5-Trichlorobenzene	14.29	180	1260480	20.460	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	786816	20.822	ug/L	97
69) Naphthalene	15.00	128	1006749	23.816	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	562588	18.808	ug/L	99

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

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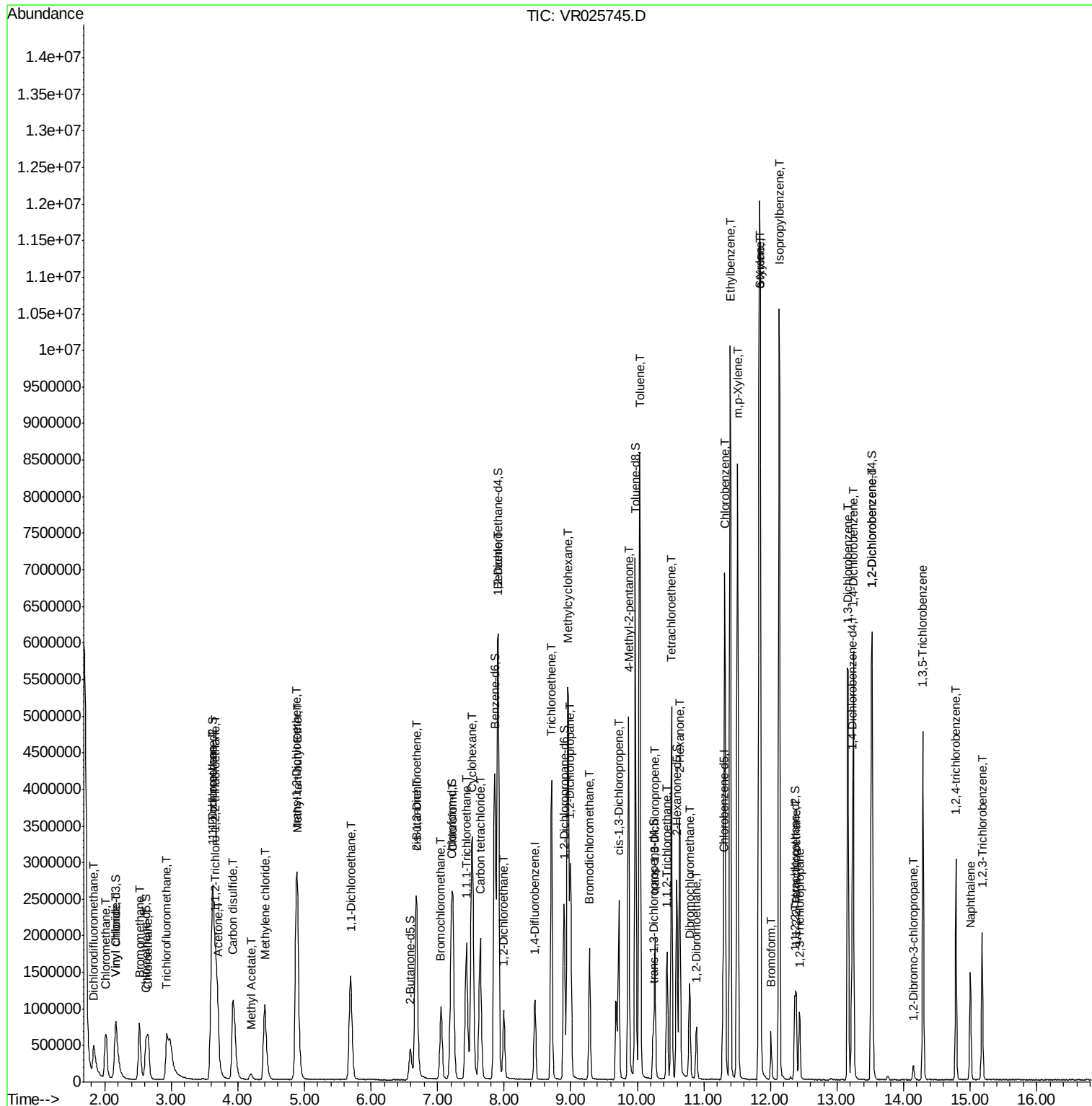
Quant Time: Sep 17 15:19:00 2018

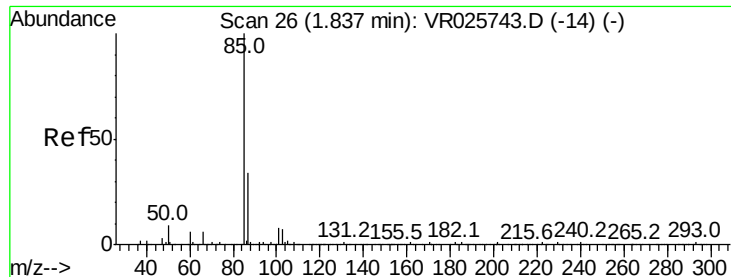
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091718WMA.M

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#2

Dichlorodifluoromethane

Concen: 19.283 ug/L

RT: 1.84 min Scan# 26

Delta R.T. -0.00 min

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Instrument :

MSVOA_R

ClientSampleId :

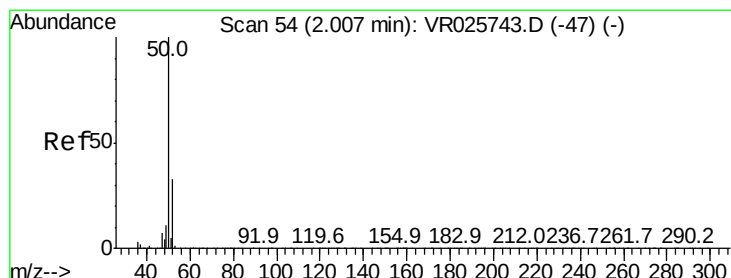
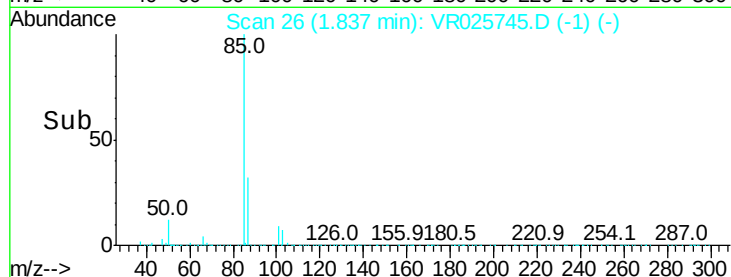
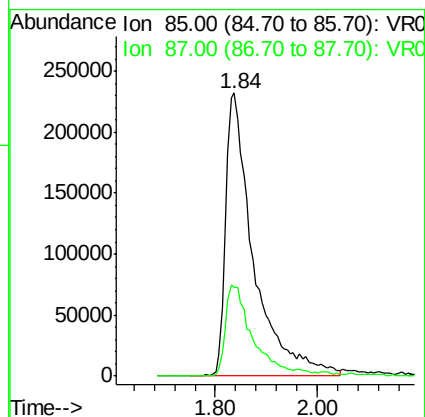
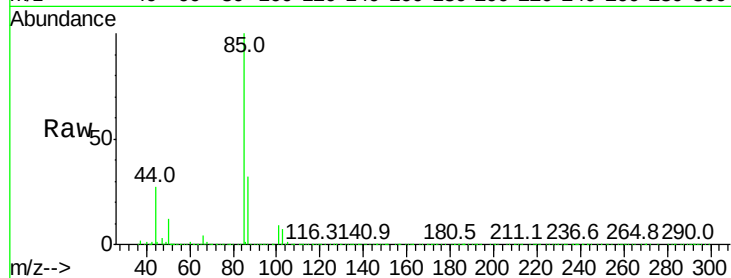
VSTD02009

Tgt Ion: 85 Resp: 883529

Ion Ratio Lower Upper

85 100

87 30.1 25.3 37.9



#3

Chloromethane

Concen: 17.646 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.01 min

Lab File: VR025745.D

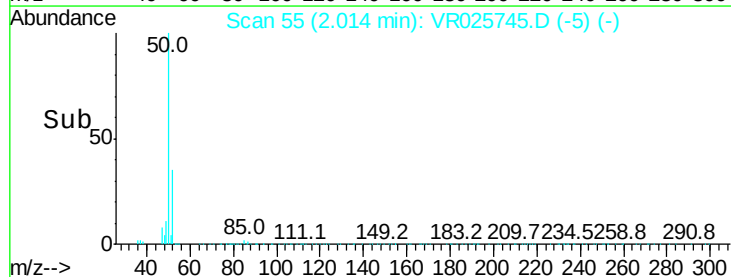
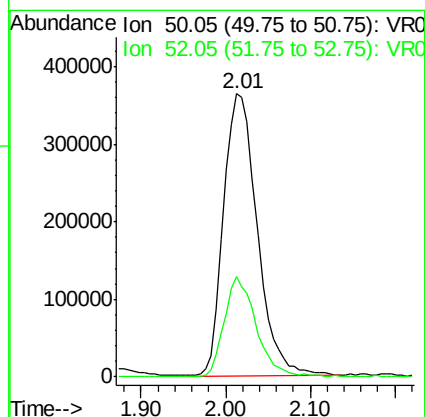
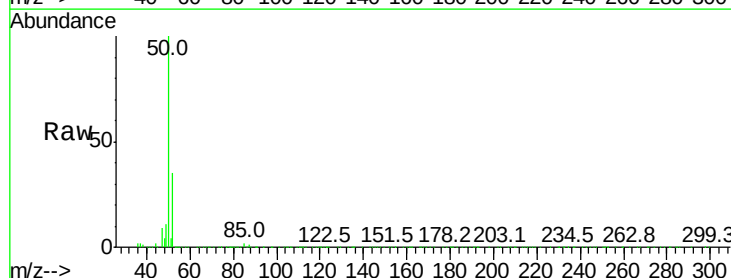
Acq: 17 Sep 2018 14:48

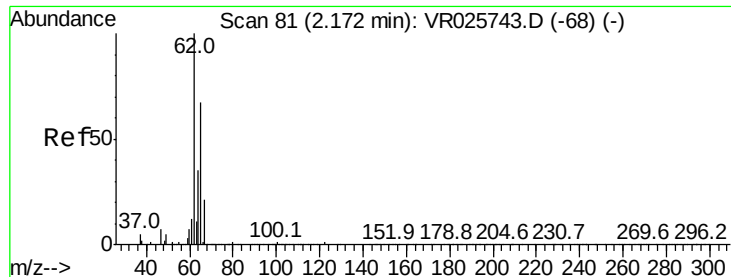
Tgt Ion: 50 Resp: 992529

Ion Ratio Lower Upper

50 100

52 35.5 23.1 42.9





#5

Vinyl chloride

Concen: 18.427 ug/L

RT: 2.17 min Scan# 81

Delta R.T. -0.00 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

Instrument :

MSVOA_R

ClientSampleId :

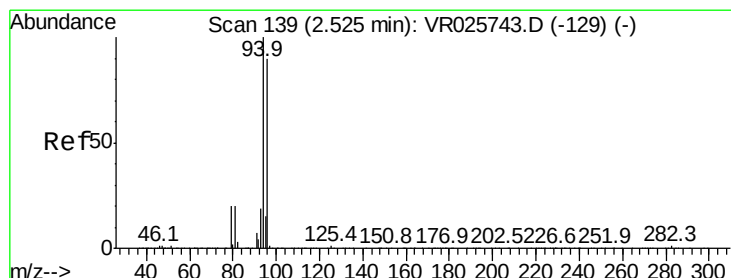
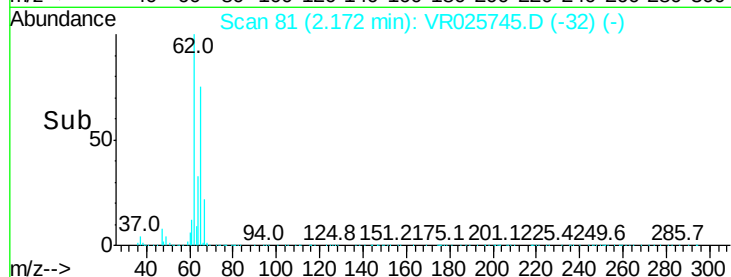
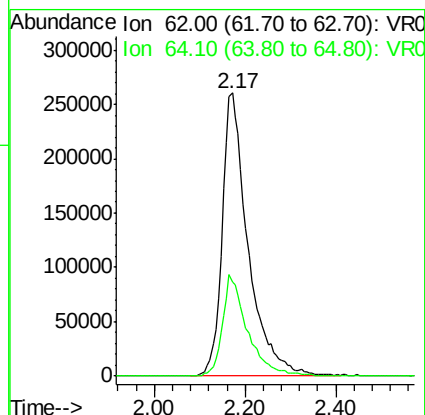
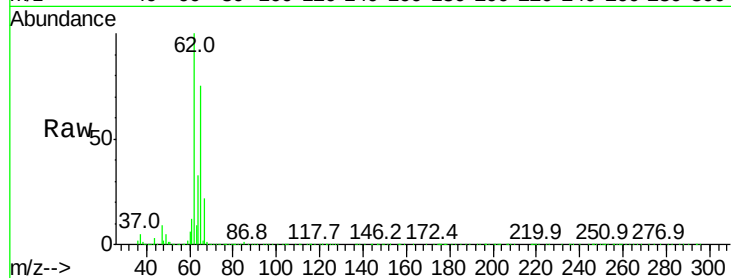
VSTD02009

Tgt Ion: 62 Resp: 1030149

Ion Ratio Lower Upper

62 100

64 33.2 24.9 46.3



#6

Bromomethane

Concen: 16.871 ug/L

RT: 2.52 min Scan# 138

Delta R.T. -0.01 min

Lab File: VR025745.D

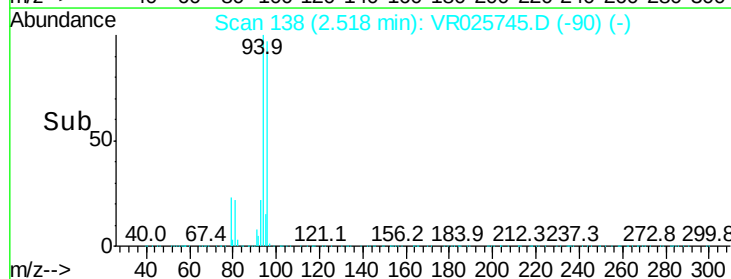
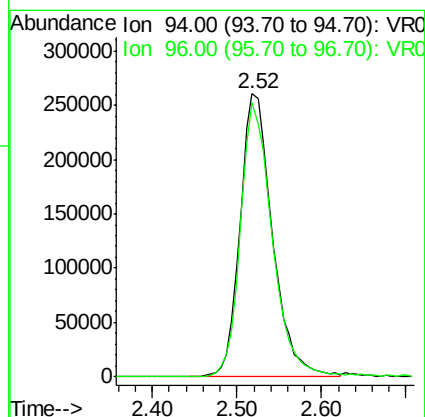
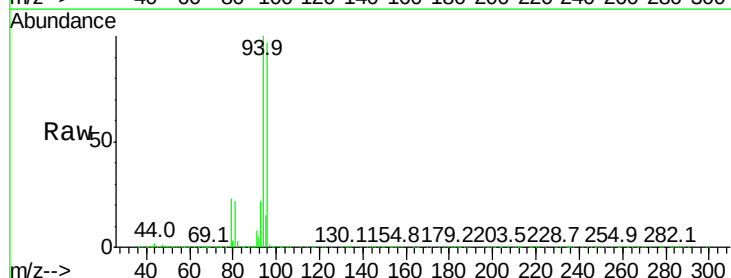
Acq: 17 Sep 2018 14:48

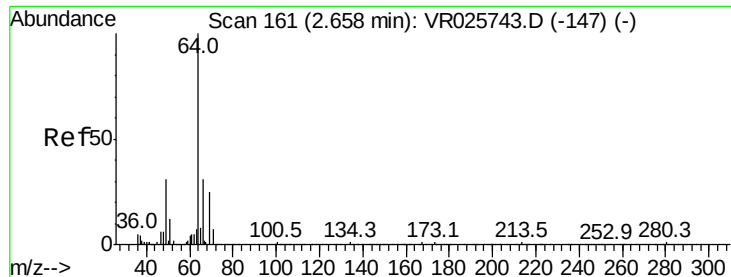
Tgt Ion: 94 Resp: 675107

Ion Ratio Lower Upper

94 100

96 97.2 63.3 117.7





#8

Chloroethane

Concen: 17.789 ug/L

RT: 2.65 min Scan# 160

Delta R.T. -0.01 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

Instrument :

MSVOA_R

ClientSampleId :

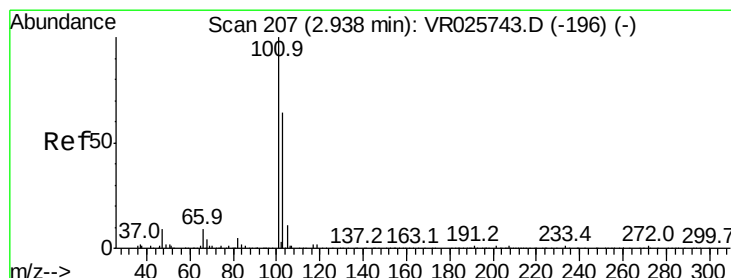
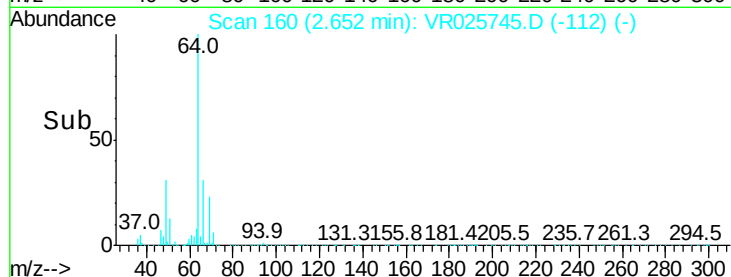
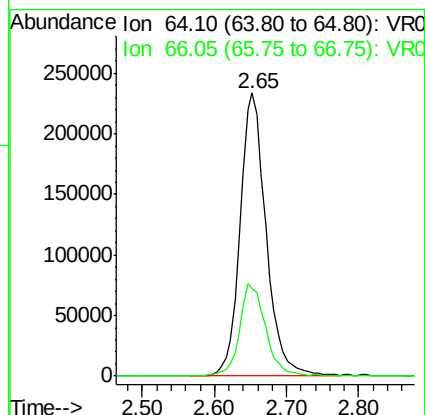
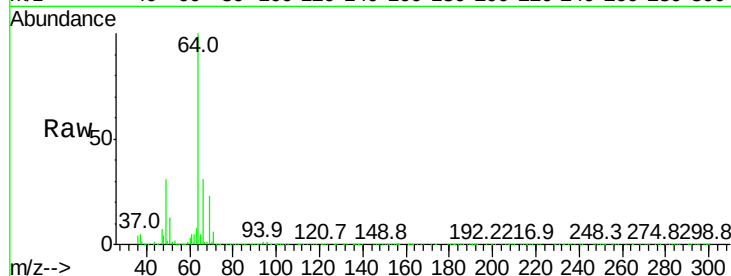
VSTD02009

Tgt Ion: 64 Resp: 583973

Ion Ratio Lower Upper

64 100

66 31.1 21.8 40.4



#9

Trichlorofluoromethane

Concen: 8.171 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.01 min

Lab File: VR025745.D

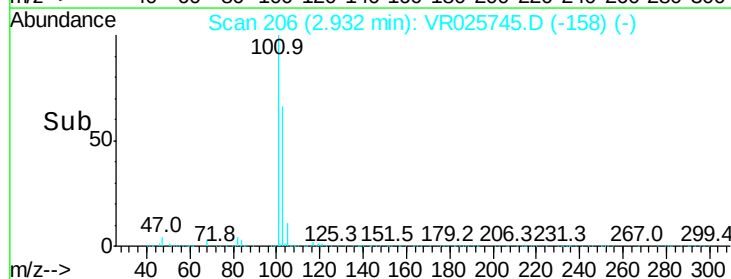
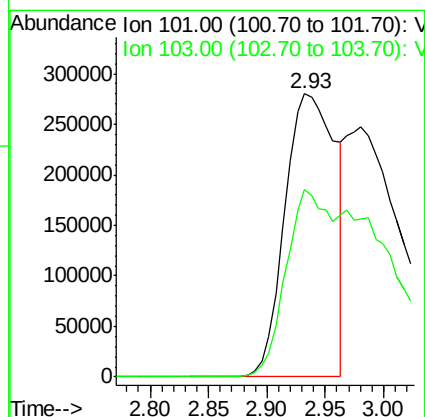
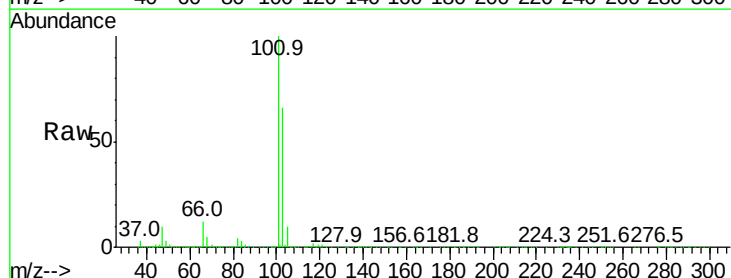
Acq: 17 Sep 2018 14:48

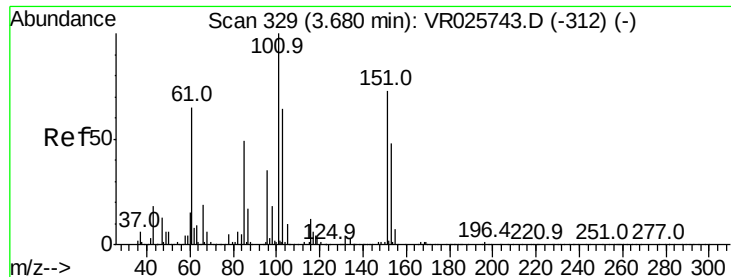
Tgt Ion: 101 Resp: 842114

Ion Ratio Lower Upper

101 100

103 57.4 13.5 20.3#





#10

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

Concen: 17.516 ug/L

RT: 3.67 min Scan# 328

Delta R.T. -0.01 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD02009

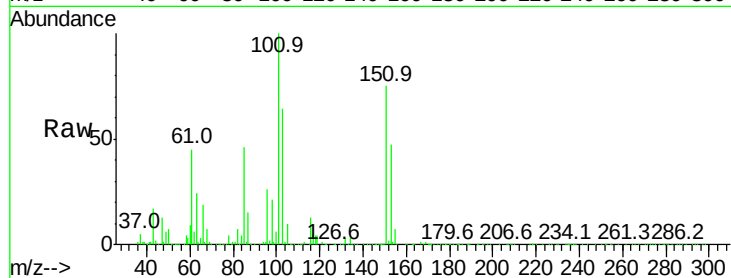
Tgt Ion:101 Resp: 972791

Ion Ratio Lower Upper

101 100

85 47.5 37.8 56.6

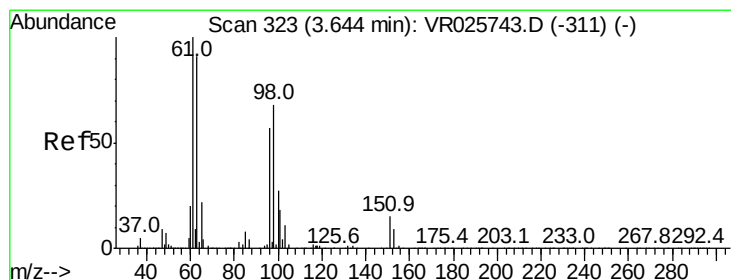
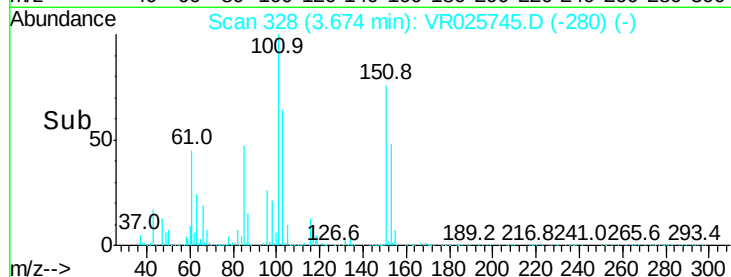
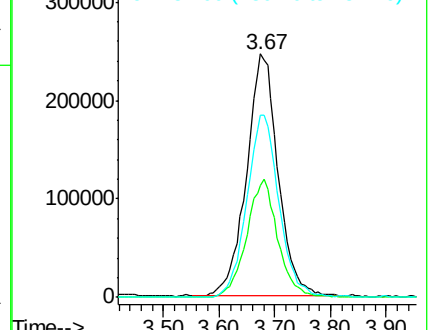
151 76.5 60.1 90.1



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: 17.667 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.02 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

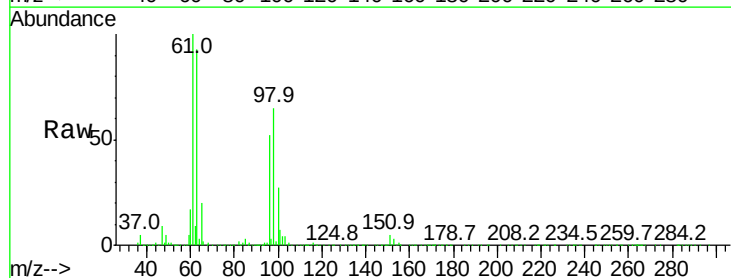
Tgt Ion: 96 Resp: 1035558

Ion Ratio Lower Upper

96 100

61 192.6 123.8 229.8

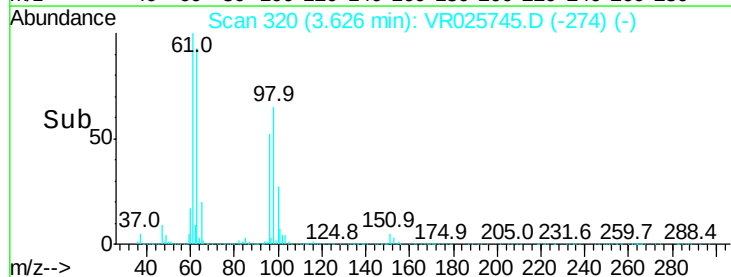
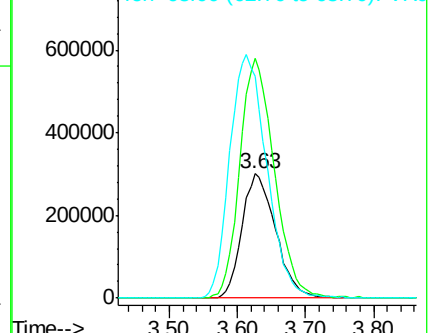
63 178.8 118.0 219.1

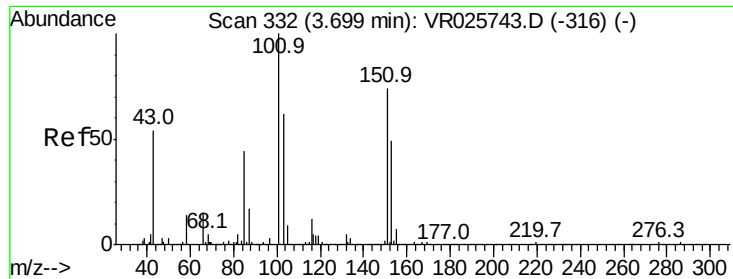


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 165.965 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

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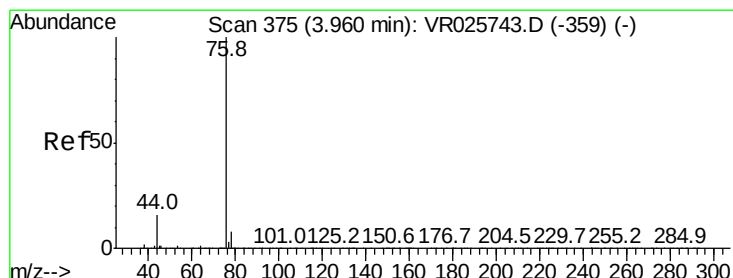
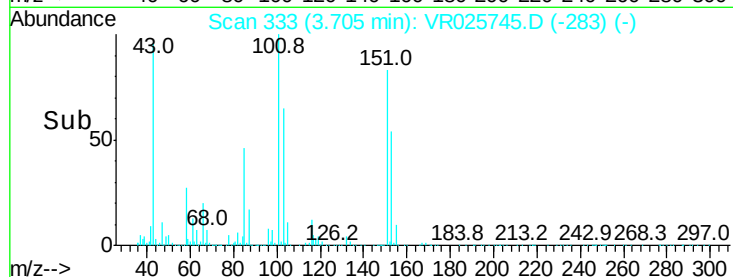
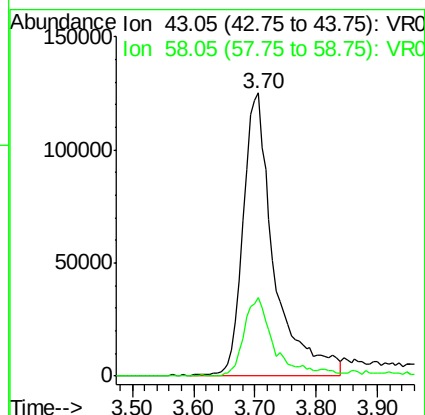
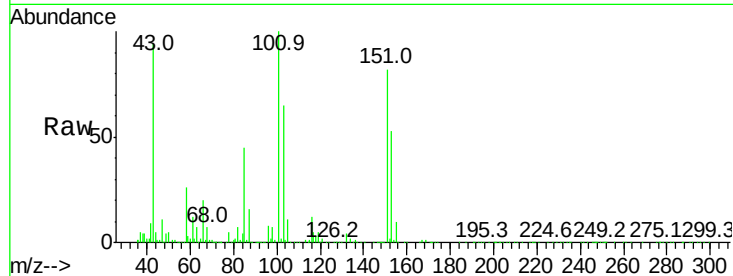
VSTD02009

Tgt Ion: 43 Resp: 441045

Ion Ratio Lower Upper

43 100

58 25.9 0.0 44.2



#14

Carbon disulfide

Concen: 21.416 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.03 min

Lab File: VR025745.D

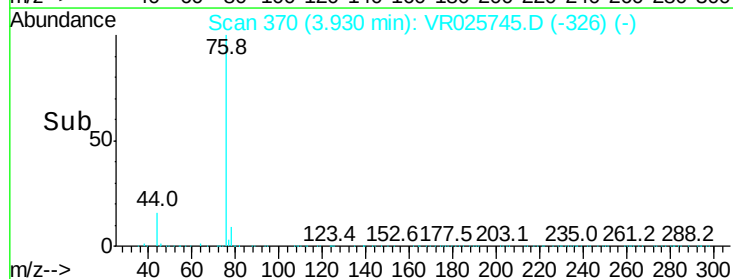
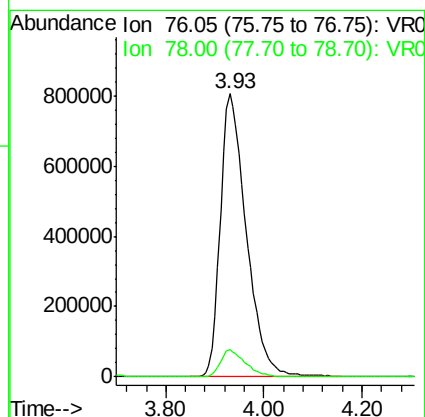
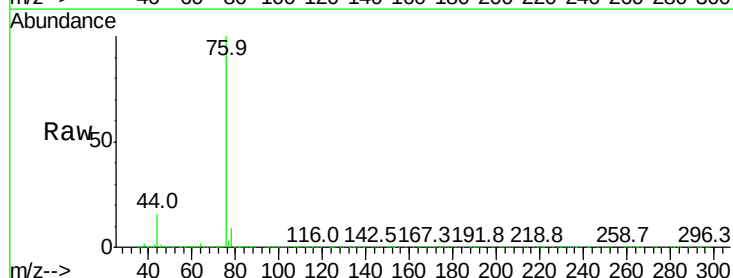
Acq: 17 Sep 2018 14:48

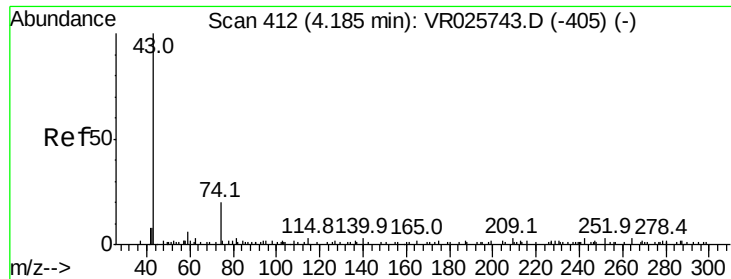
Tgt Ion: 76 Resp: 2961903

Ion Ratio Lower Upper

76 100

78 9.5 6.8 10.2

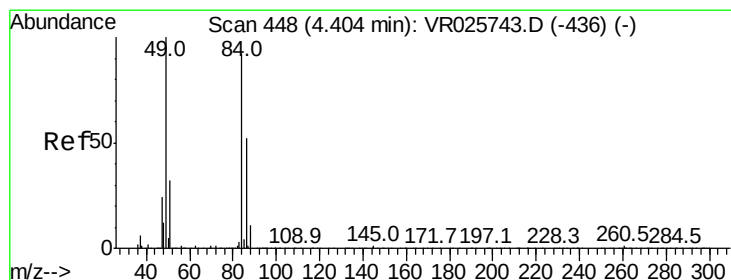
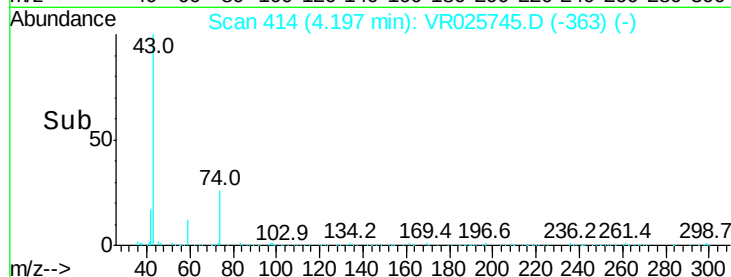
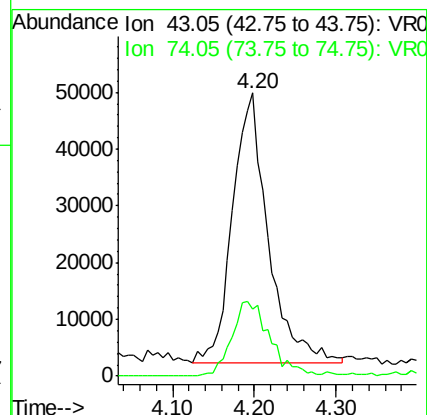
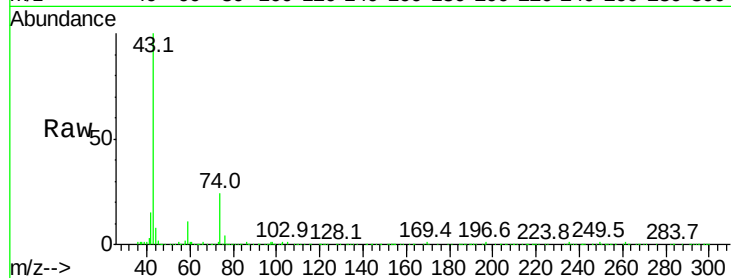




#15
Methyl Acetate
Concen: 15.057 ug/L
RT: 4.20 min Scan# 414
Delta R.T. 0.01 min
Lab File: VR025745.D
Acq: 17 Sep 2018 14:48

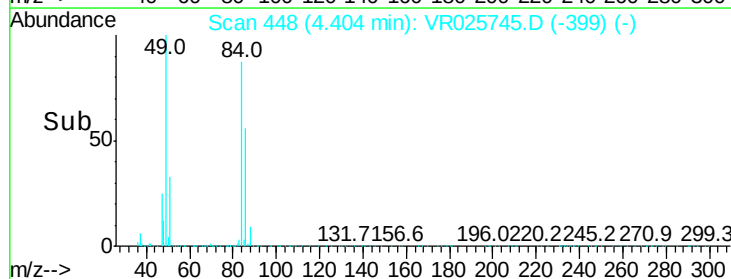
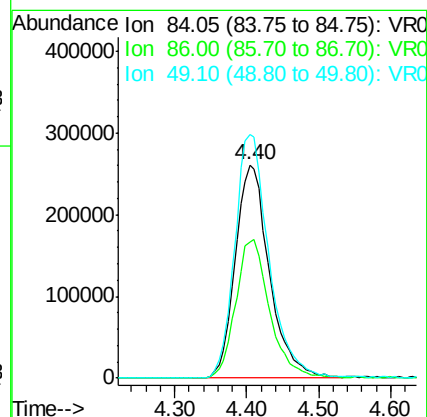
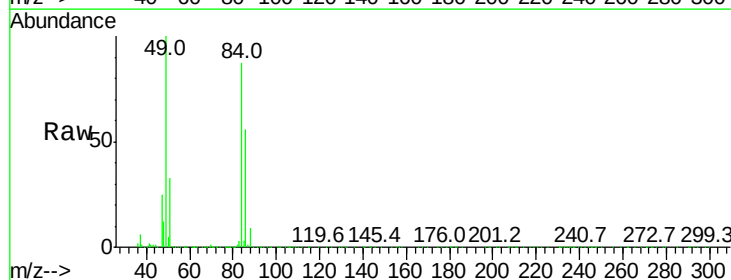
Instrument :
MSVOA_R
ClientSampled :
VSTD02009

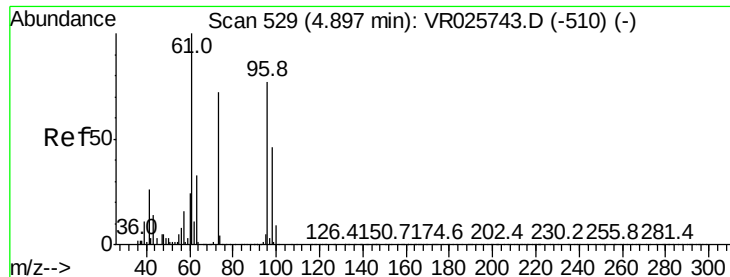
Tgt Ion: 43 Resp: 142659
Ion Ratio Lower Upper
43 100
74 30.0 24.8 37.2



#16
Methylene chloride
Concen: 16.555 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR025745.D
Acq: 17 Sep 2018 14:48

Tgt Ion: 84 Resp: 859156
Ion Ratio Lower Upper
84 100
86 64.1 39.3 73.1
49 114.3 76.2 141.4



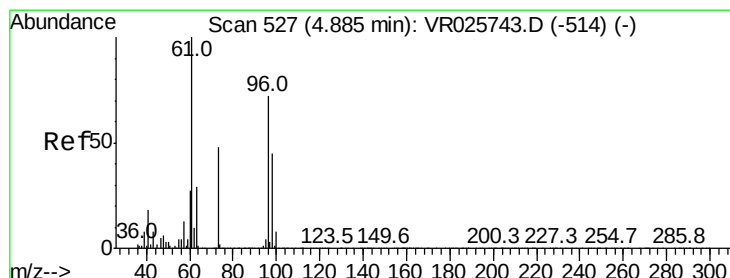
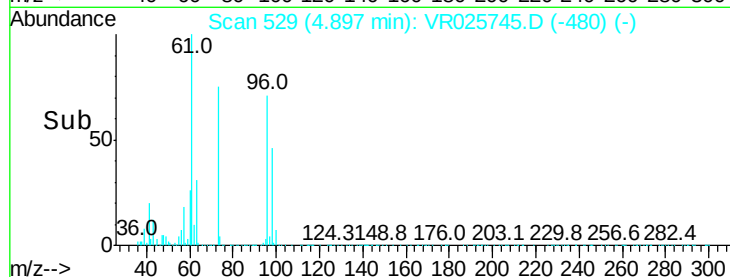
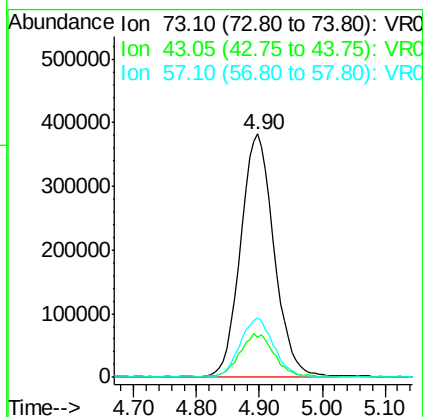
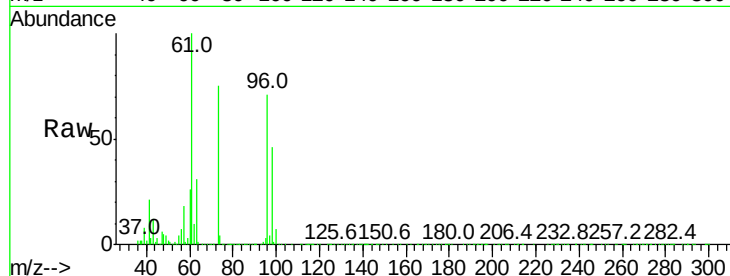


#17

Methyl tert-butyl Ether
Concen: 19.523 ug/L
RT: 4.90 min Scan# 529
Delta R.T. -0.00 min
Lab File: VR025745.D
Acq: 17 Sep 2018 14:48

Instrument :
MSVOA_R
ClientSampleId :
VSTD02009

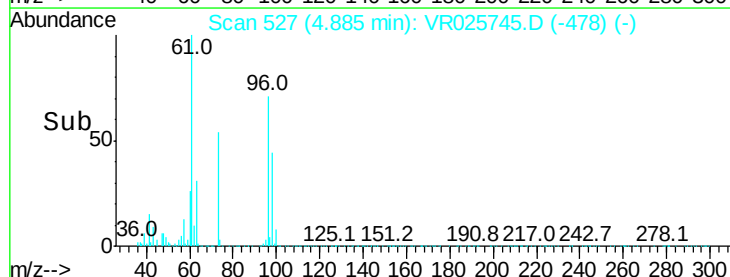
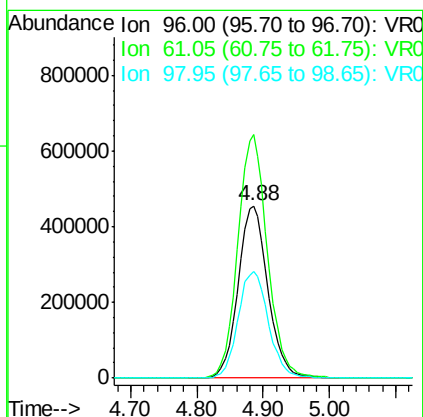
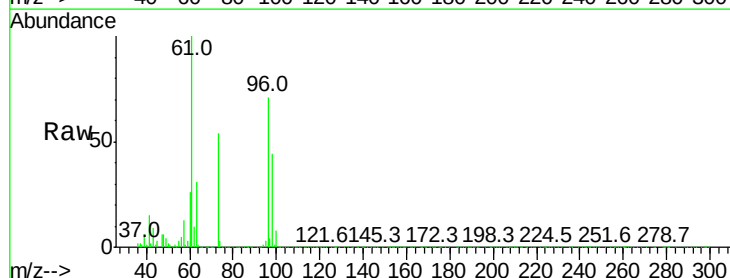
Tgt Ion: 73 Resp: 1407780
Ion Ratio Lower Upper
73 100
43 17.8 15.0 22.4
57 24.4 19.5 29.3

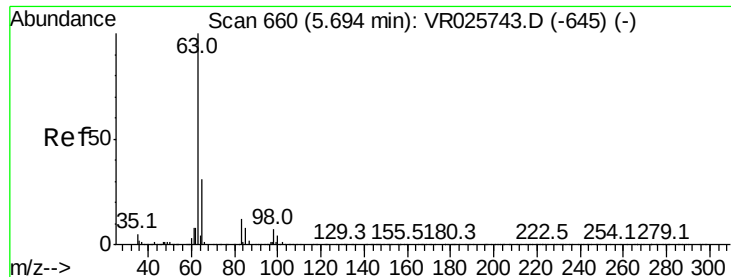


#18

trans-1,2-Dichloroethene
Concen: 19.736 ug/L
RT: 4.88 min Scan# 527
Delta R.T. -0.00 min
Lab File: VR025745.D
Acq: 17 Sep 2018 14:48

Tgt Ion: 96 Resp: 1413872
Ion Ratio Lower Upper
96 100
61 141.4 96.9 179.9
98 62.3 43.5 80.9



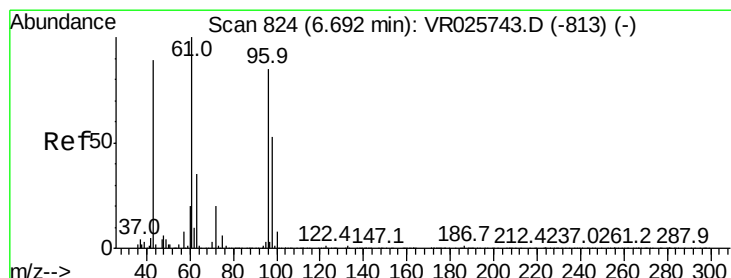
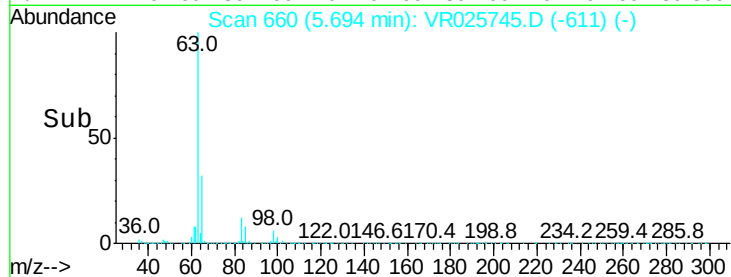
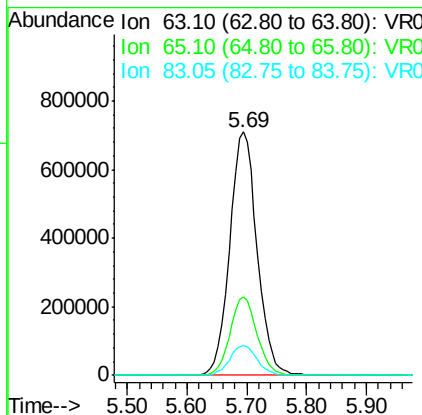
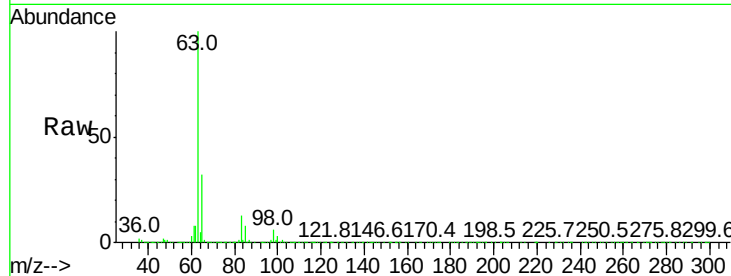


#19
 1,1-Dichloroethane
 Concen: 20.410 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VR025745.D
 Acq: 17 Sep 2018 14:48

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02009

Tgt Ion: 63 Resp: 2254595

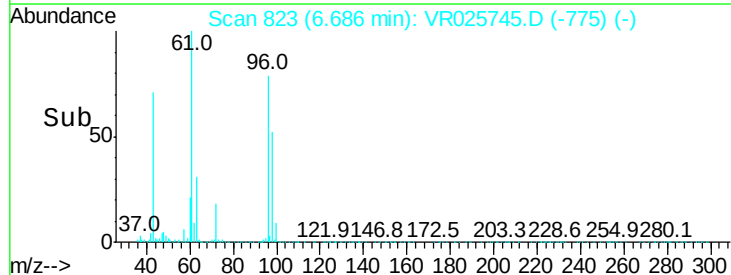
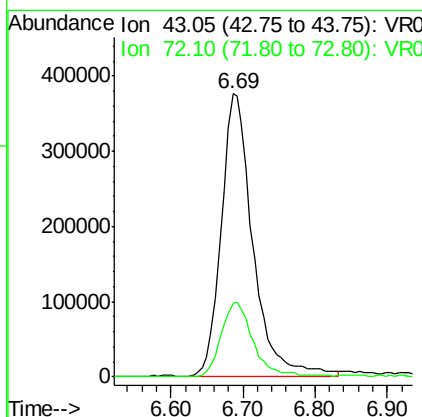
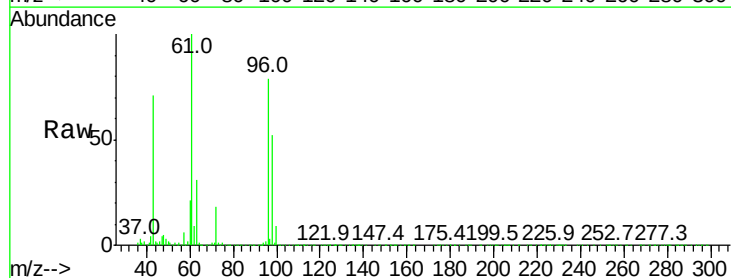
Ion	Ratio	Lower	Upper
63	100		
65	32.1	21.5	39.9
83	12.5	8.8	16.4

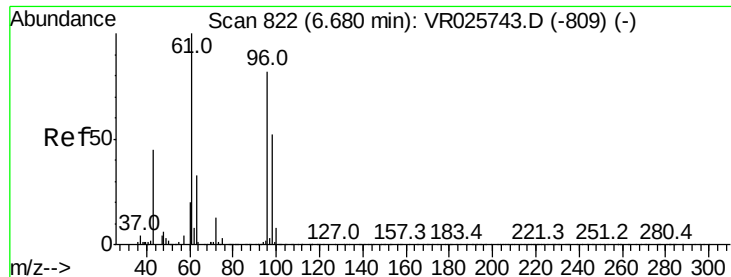


#21
 2-Butanone
 Concen: 203.635 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: VR025745.D
 Acq: 17 Sep 2018 14:48

Tgt Ion: 43 Resp: 1142031

Ion	Ratio	Lower	Upper
43	100		
72	27.0	14.0	42.0



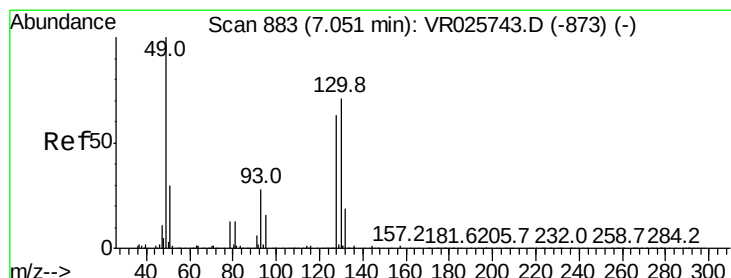
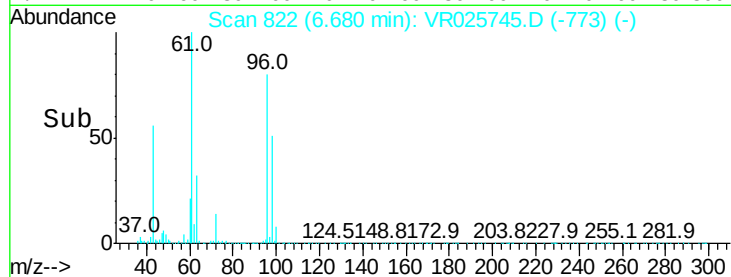
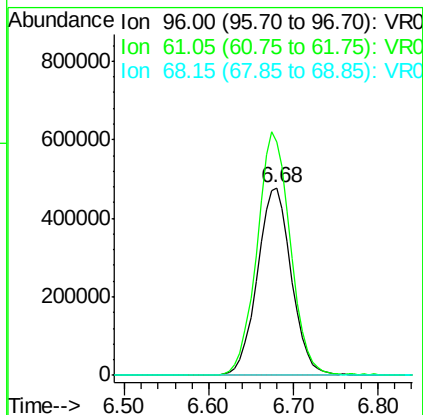
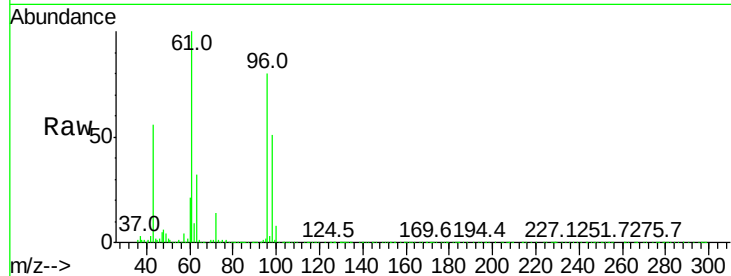


#22

cis-1,2-Dichloroethene
Concen: 21.262 ug/L
RT: 6.68 min Scan# 822
Delta R.T. -0.00 min
Lab File: VR025745.D
Acq: 17 Sep 2018 14:48

Instrument :
MSVOA_R
ClientSampleId :
VSTD02009

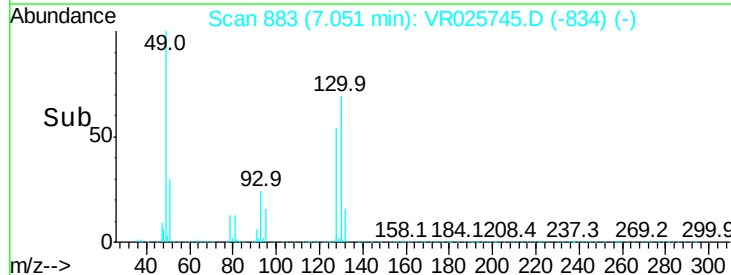
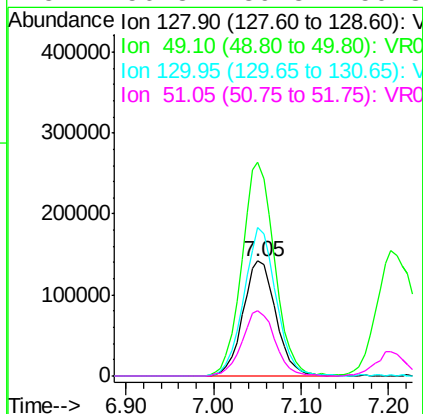
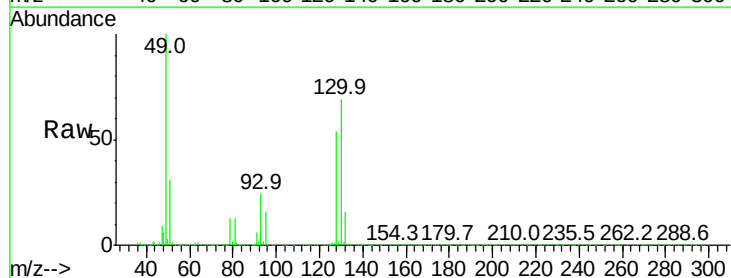
Tgt Ion: 96 Resp: 1325212
Ion Ratio Lower Upper
96 100
61 124.3 85.7 159.1
68 0.0 0.3 0.5#

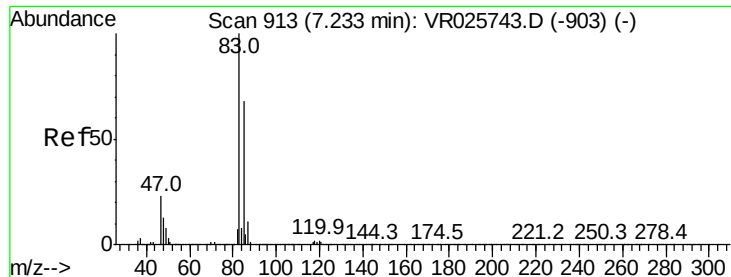


#23

Bromochloromethane
Concen: 17.245 ug/L
RT: 7.05 min Scan# 883
Delta R.T. -0.00 min
Lab File: VR025745.D
Acq: 17 Sep 2018 14:48

Tgt Ion: 128 Resp: 368735
Ion Ratio Lower Upper
128 100
49 186.3 112.4 208.8
130 129.2 80.8 150.2
51 56.8 39.8 59.8

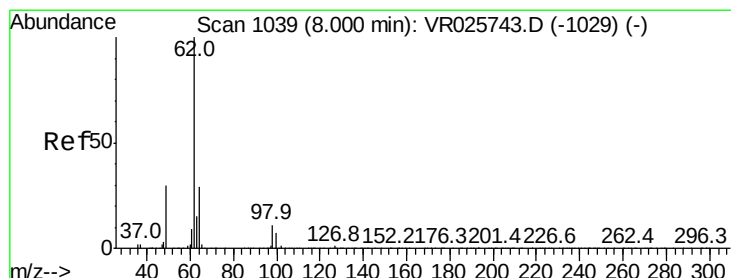
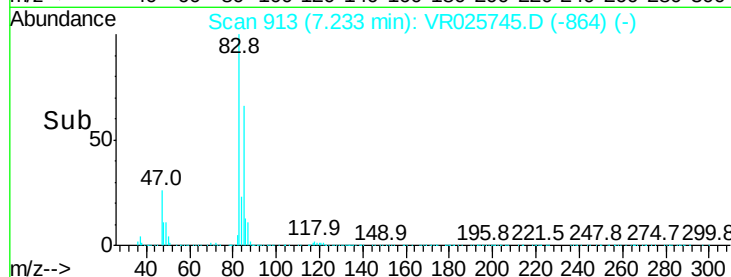
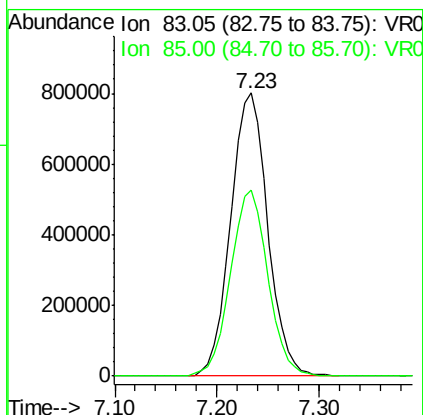
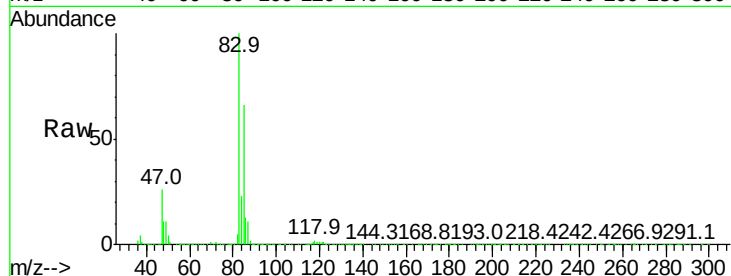




#25
Chloroform
Concen: 19.938 ug/L
RT: 7.23 min Scan# 913
Delta R.T. -0.00 min
Lab File: VR025745.D
Acq: 17 Sep 2018 14:48

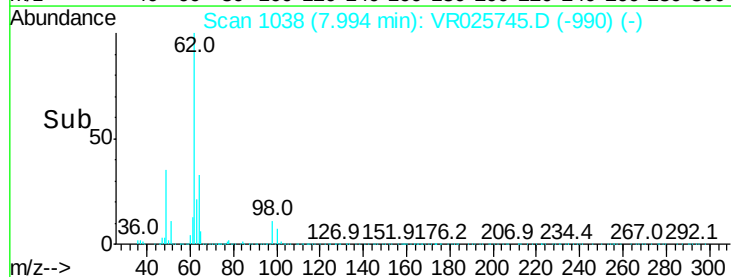
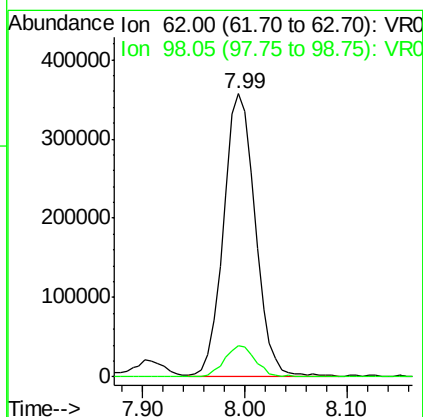
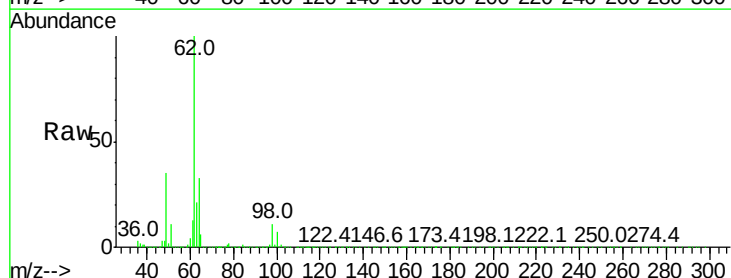
Instrument :
MSVOA_R
ClientSampleId :
VSTD02009

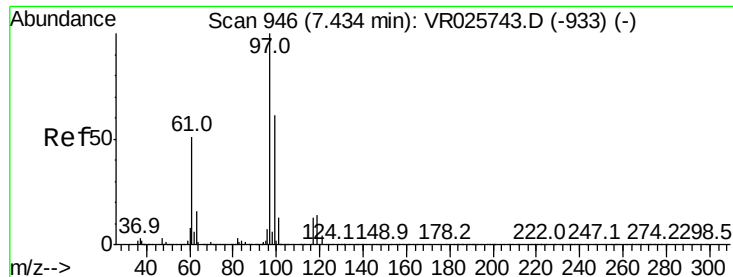
Tgt Ion: 83 Resp: 2012325
Ion Ratio Lower Upper
83 100
85 65.7 47.7 88.7



#27
1,2-Dichloroethane
Concen: 19.140 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.01 min
Lab File: VR025745.D
Acq: 17 Sep 2018 14:48

Tgt Ion: 62 Resp: 762296
Ion Ratio Lower Upper
62 100
98 11.2 9.1 13.7





#29

1,1,1-Trichloroethane

Concen: 20.879 ug/L

RT: 7.43 min Scan# 946

Delta R.T. -0.00 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD02009

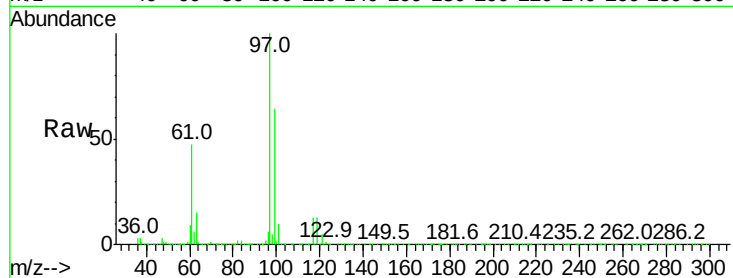
Tgt Ion: 97 Resp: 1609727

Ion Ratio Lower Upper

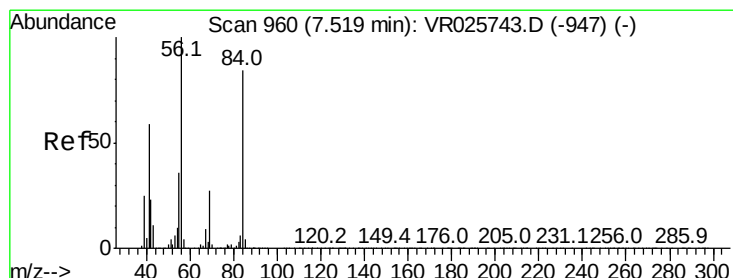
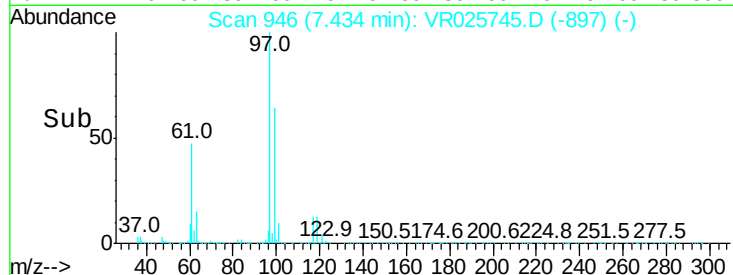
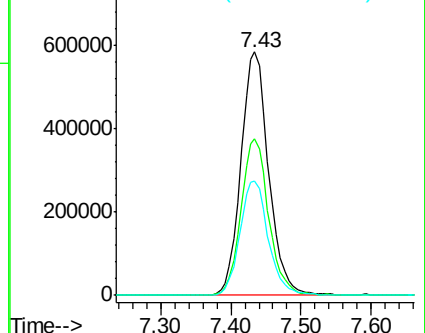
97 100

99 64.0 50.6 75.8

61 48.1 39.7 59.5



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: 23.710 ug/L

RT: 7.52 min Scan# 960

Delta R.T. -0.00 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

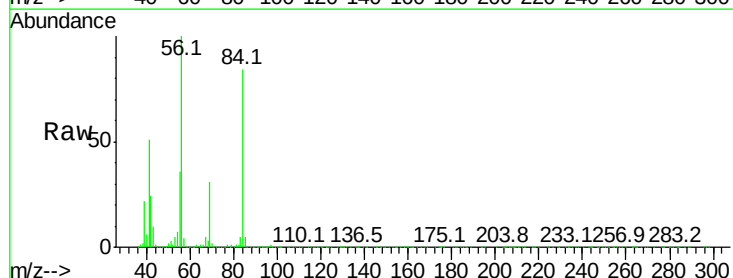
Tgt Ion: 56 Resp: 2196606

Ion Ratio Lower Upper

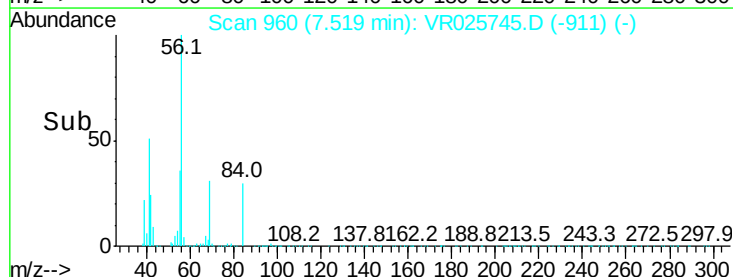
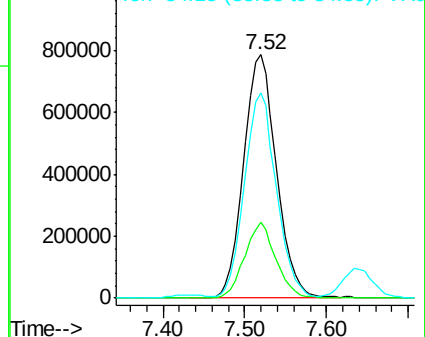
56 100

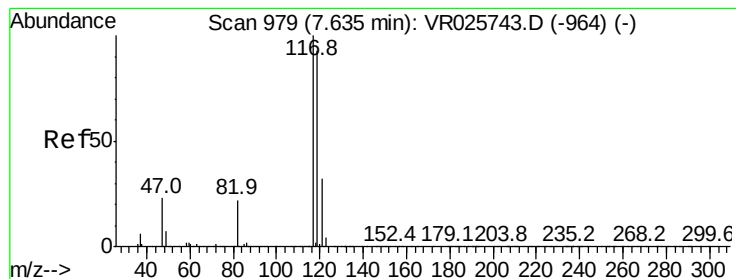
69 29.5 22.7 34.1

84 82.3 66.8 100.2



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: 20.425 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

Instrument :

MSVOA_R

ClientSampleId :

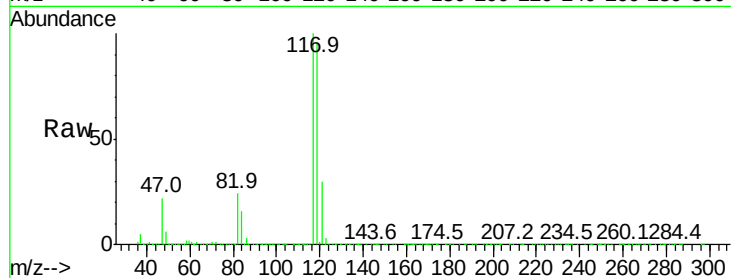
VSTD02009

Tgt Ion:117 Resp: 1526466

Ion Ratio Lower Upper

117 100

119 96.5 76.7 115.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.64

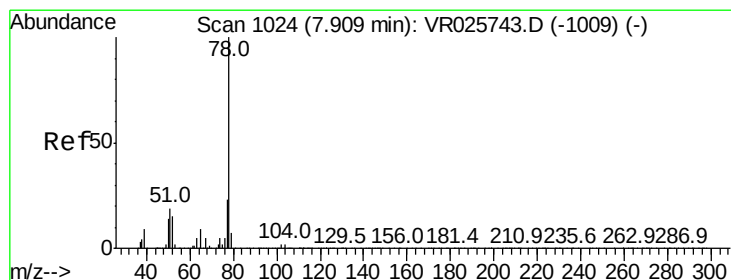
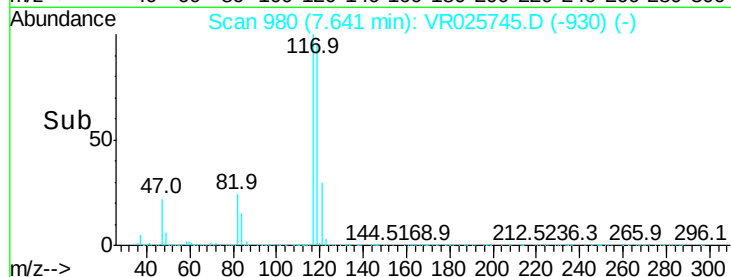
600000

400000

200000

0

Time--> 7.50 7.60 7.70



#33

Benzene

Concen: 20.265 ug/L

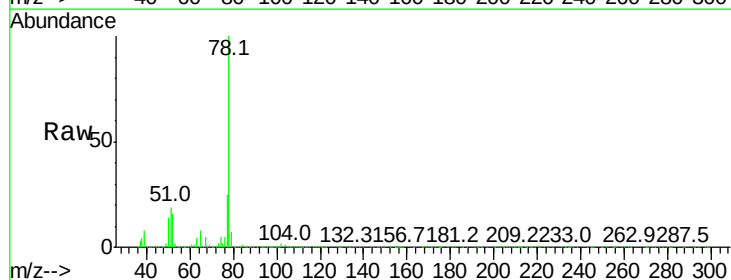
RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

Tgt Ion: 78 Resp: 5587902



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91

3000000

2500000

2000000

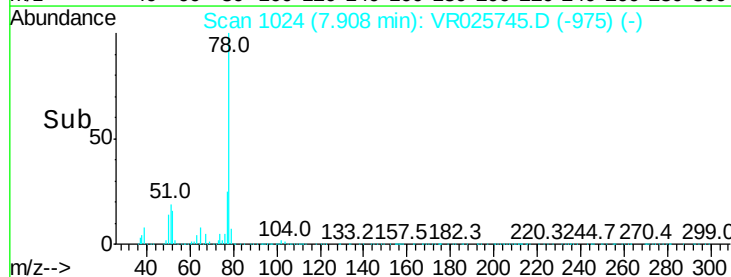
1500000

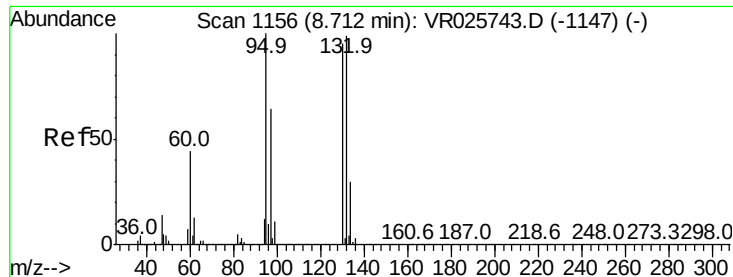
1000000

500000

0

Time--> 7.70 7.80 7.90 8.00





#34

Trichloroethene

Concen: 20.271 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD02009

Tgt Ion: 95 Resp: 1354684

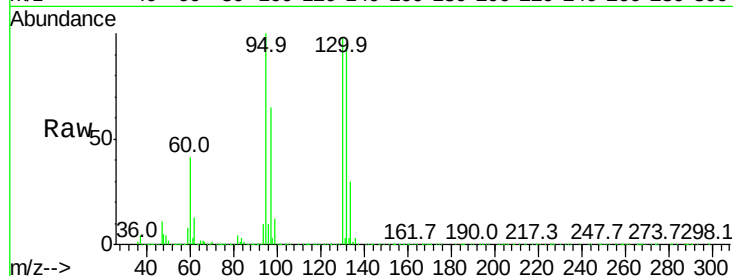
Ion Ratio Lower Upper

95 100

97 64.8 44.9 83.5

132 94.1 69.2 128.6

130 97.8 66.4 123.4



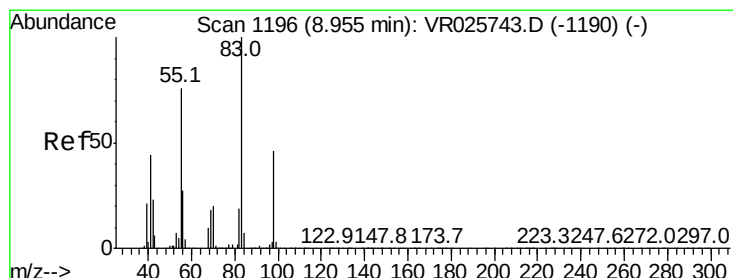
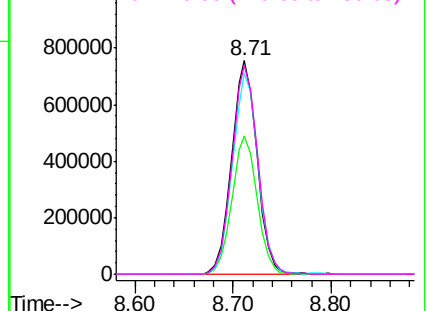
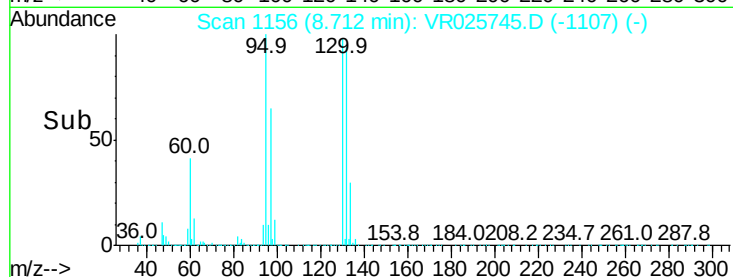
Abundance

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: 22.438 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

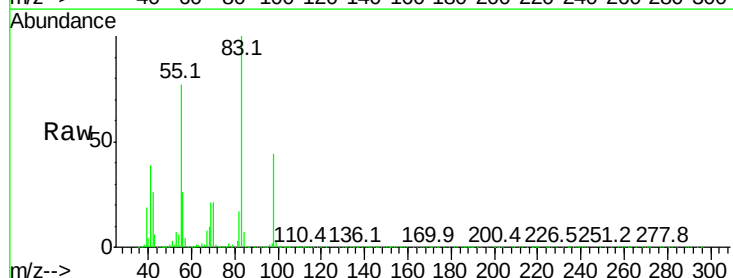
Tgt Ion: 83 Resp: 2314343

Ion Ratio Lower Upper

83 100

55 74.9 60.2 90.4

98 44.6 36.2 54.4

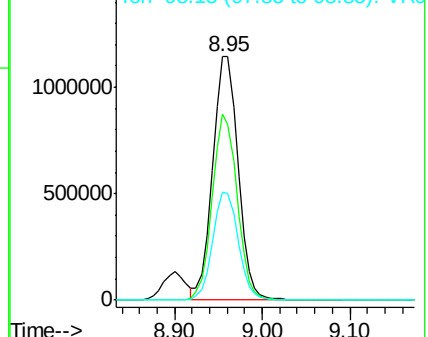
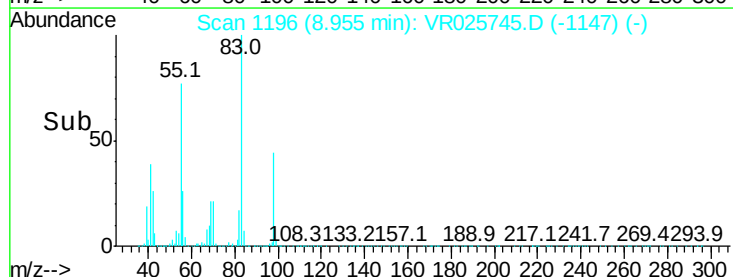


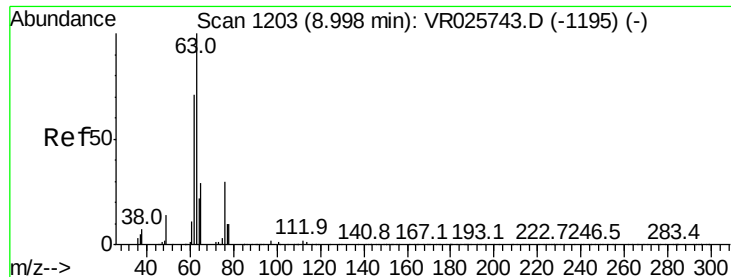
Abundance

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: 18.989 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. -0.00 min

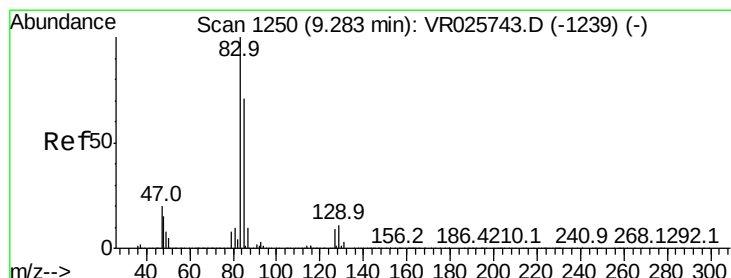
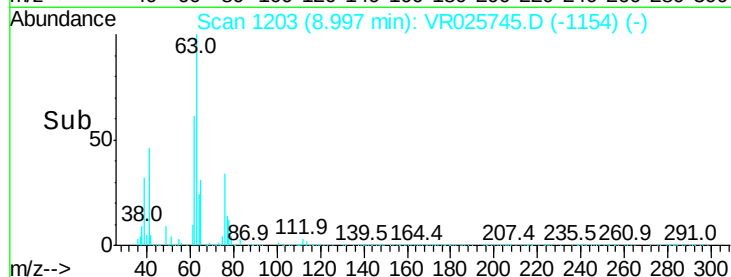
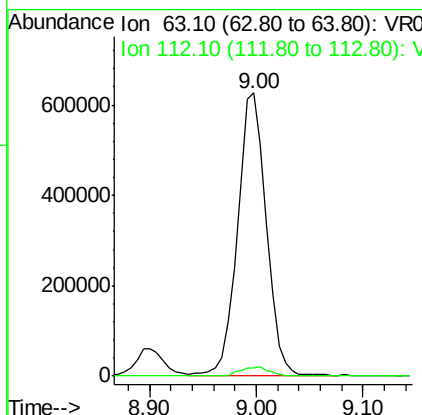
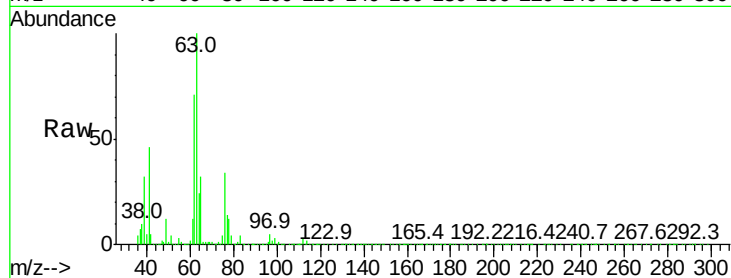
Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

Instrument :
MSVOA_R
ClientSampleId :
VSTD02009

Tgt Ion: 63 Resp: 1180397

Ion	Ratio	Lower	Upper
63	100		
112	3.5	3.3	4.9



#38

Bromodichloromethane

Concen: 19.821 ug/L

RT: 9.28 min Scan# 1250

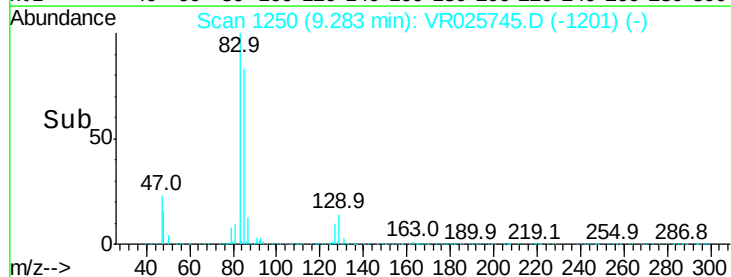
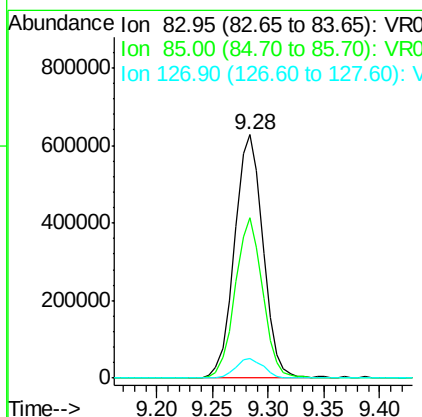
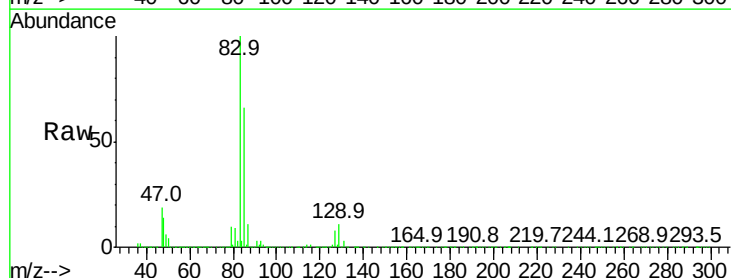
Delta R.T. -0.00 min

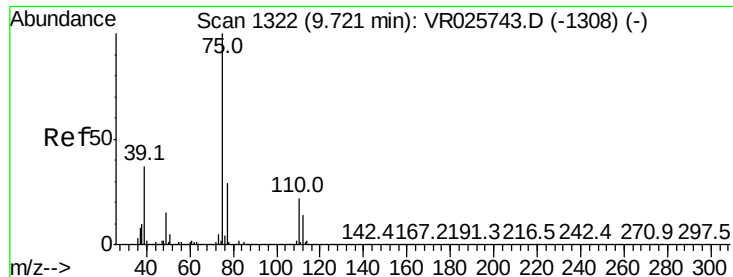
Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

Tgt Ion: 83 Resp: 1106469

Ion	Ratio	Lower	Upper
83	100		
85	65.8	49.9	92.7
127	8.2	7.6	11.4

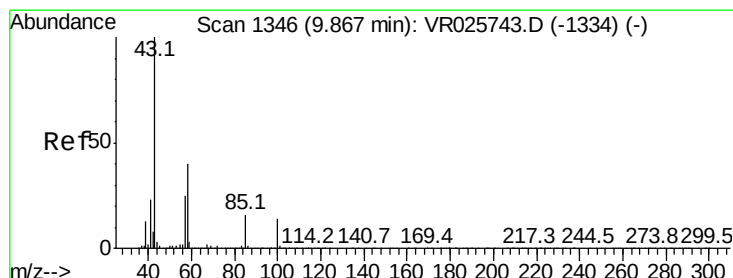
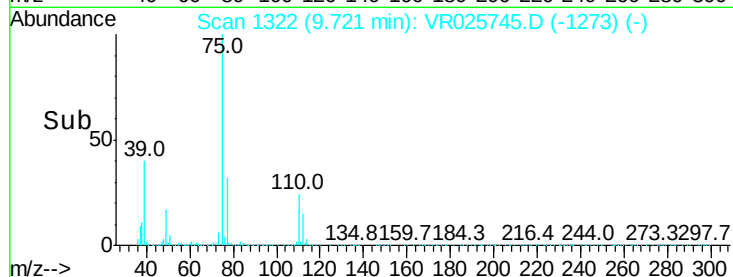
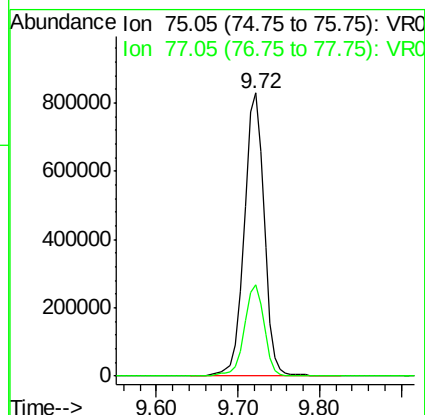
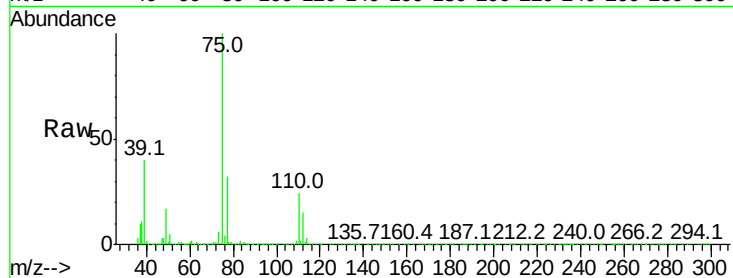




#39
 cis-1,3-Dichloropropene
 Concen: 21.971 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VR025745.D
 Acq: 17 Sep 2018 14:48

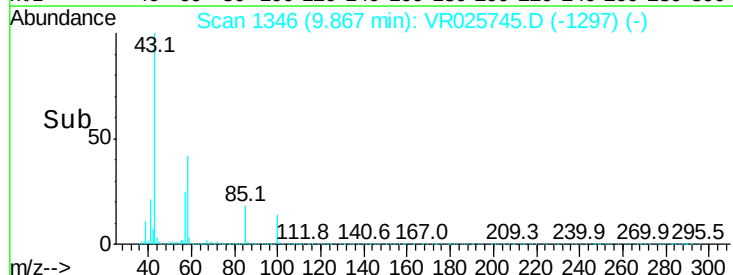
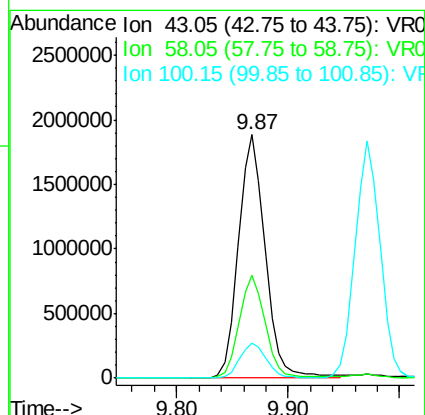
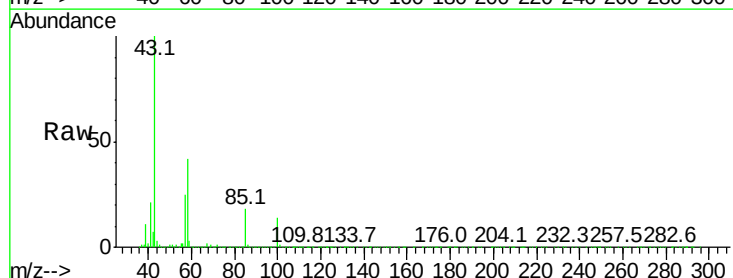
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02009

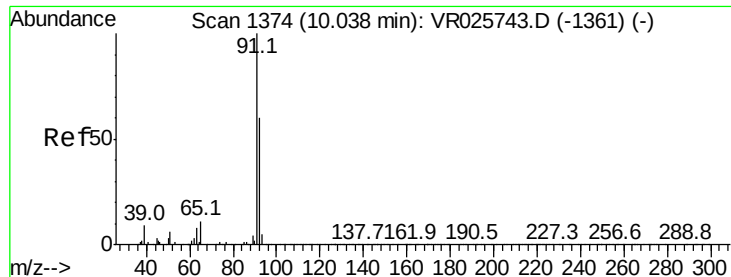
Tgt Ion: 75 Resp: 1396601
 Ion Ratio Lower Upper
 75 100
 77 32.4 20.4 37.8



#40
 4-Methyl-2-pentanone
 Concen: 203.510 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VR025745.D
 Acq: 17 Sep 2018 14:48

Tgt Ion: 43 Resp: 3127113
 Ion Ratio Lower Upper
 43 100
 58 41.3 30.1 45.1
 100 14.2 10.2 15.2





#42

Toluene

Concen: 20.224 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

Instrument :

MSVOA_R

ClientSampleId :

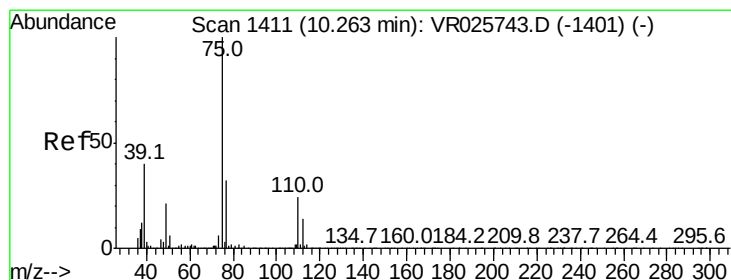
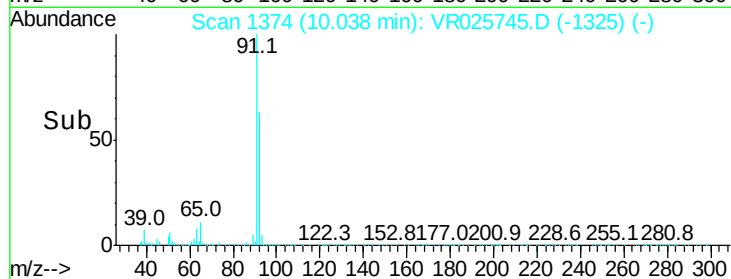
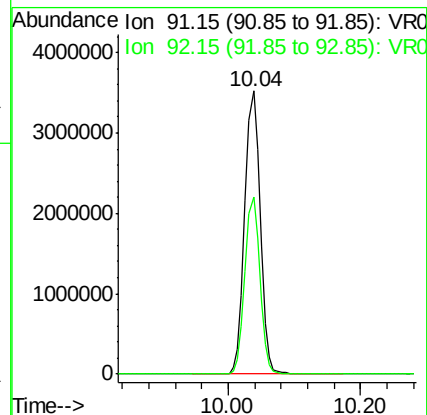
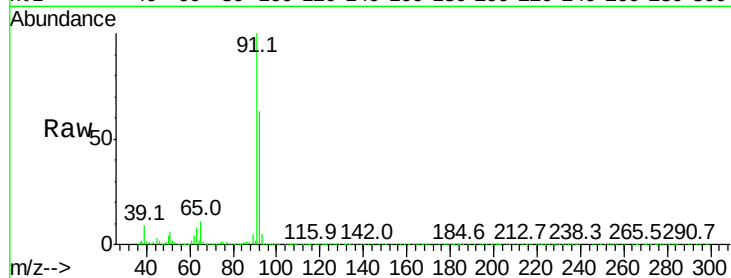
VSTD02009

Tgt Ion: 91 Resp: 5708027

Ion Ratio Lower Upper

91 100

92 62.5 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 21.553 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025745.D

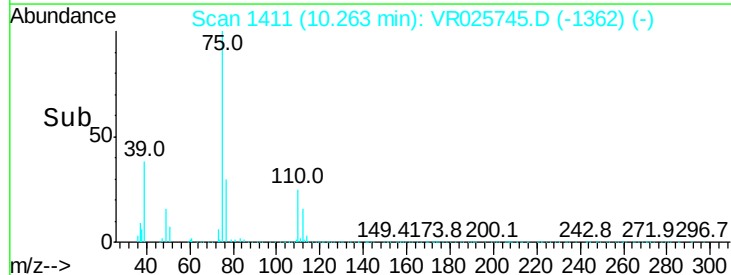
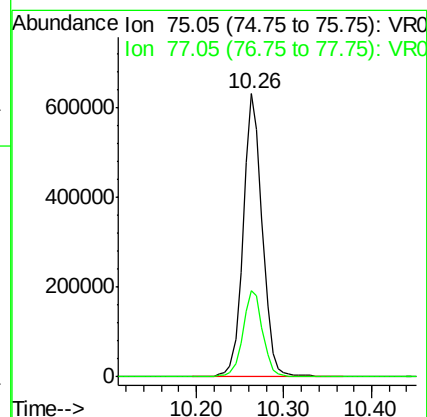
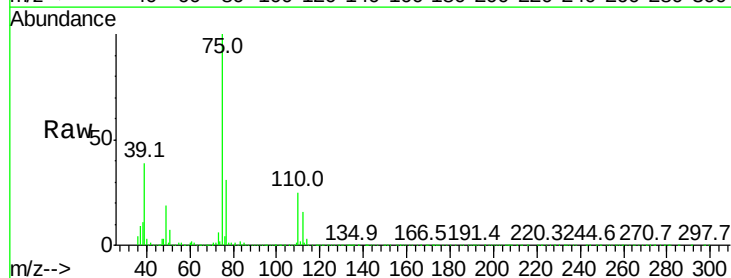
Acq: 17 Sep 2018 14:48

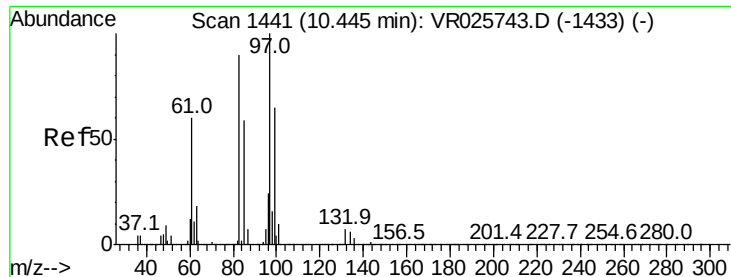
Tgt Ion: 75 Resp: 963644

Ion Ratio Lower Upper

75 100

77 30.6 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 17.402 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD02009

Tgt Ion: 97 Resp: 506732

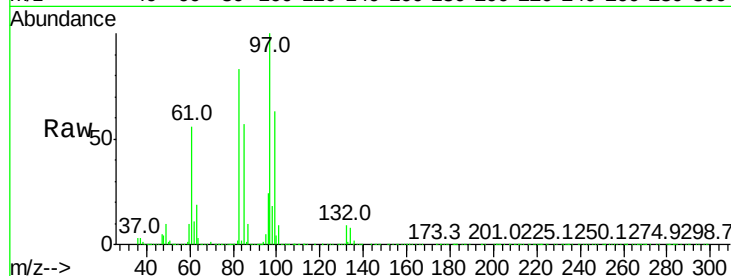
Ion Ratio Lower Upper

97 100

99 62.7 45.4 84.2

83 83.2 63.2 117.4

85 57.1 41.0 76.2

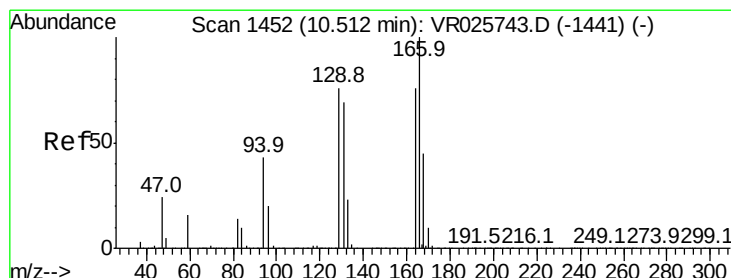
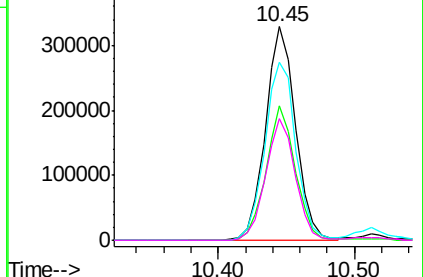
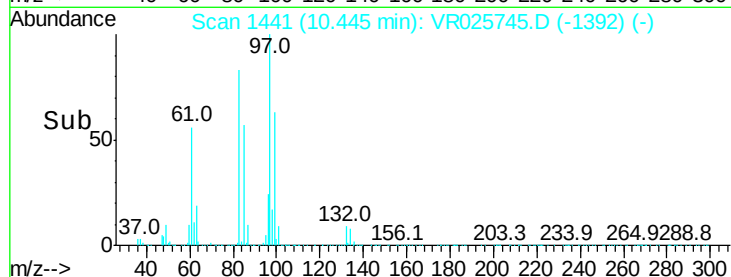


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 18.652 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

Tgt Ion: 164 Resp: 1020754

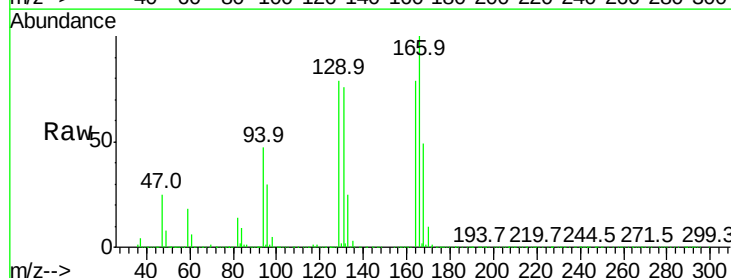
Ion Ratio Lower Upper

164 100

129 99.7 70.2 130.4

131 96.8 63.3 117.5

166 126.6 92.3 171.3

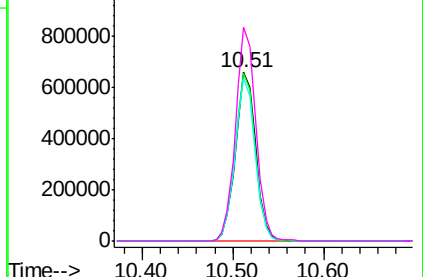
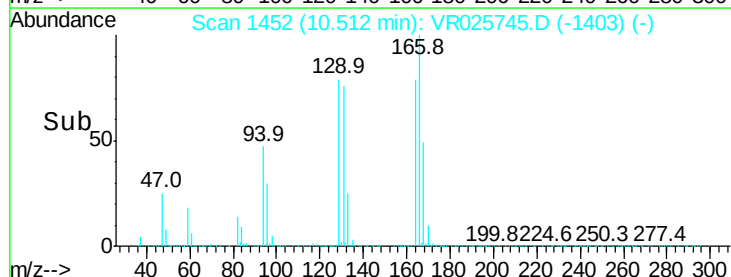


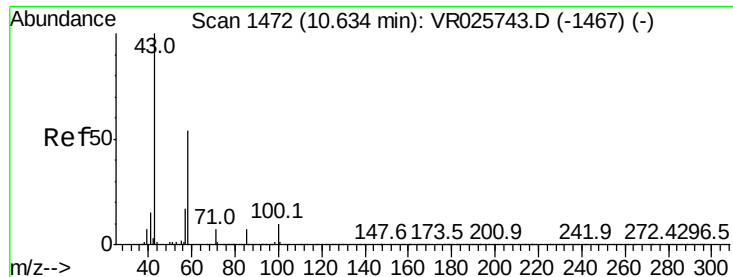
Abundance Ion 163.90 (163.60 to 164.60): V

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



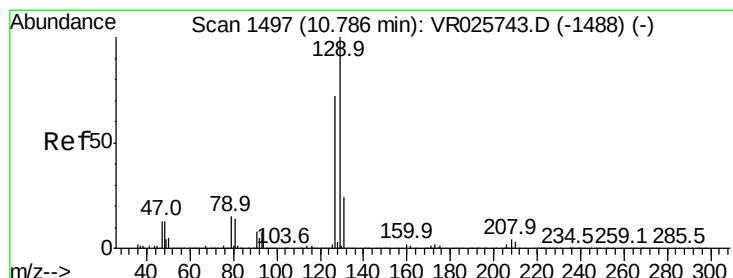
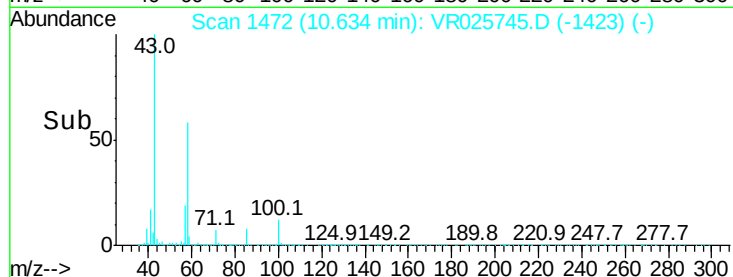
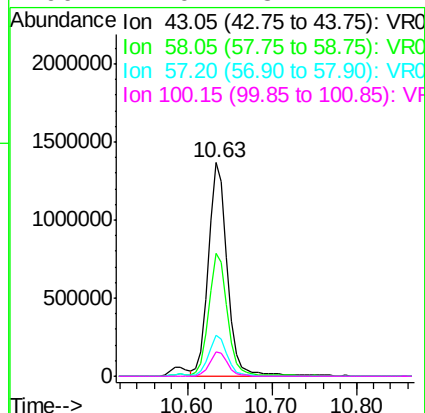
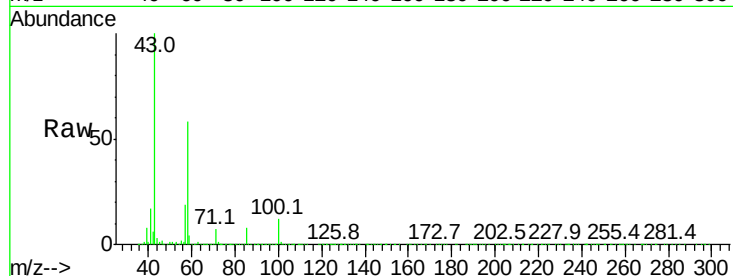


#48
2-Hexanone
Concen: 196.931 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025745.D
Acq: 17 Sep 2018 14:48

Instrument :
MSVOA_R
ClientSampleId :
VSTD02009

Tgt Ion: 43 Resp: 2122185

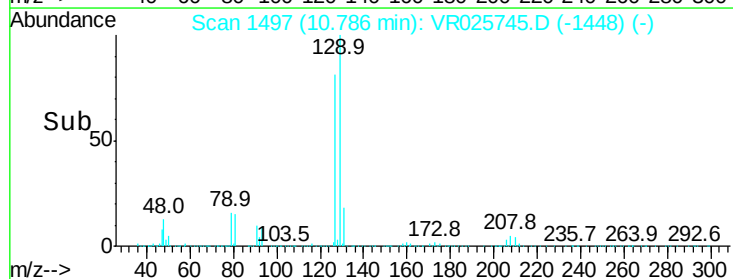
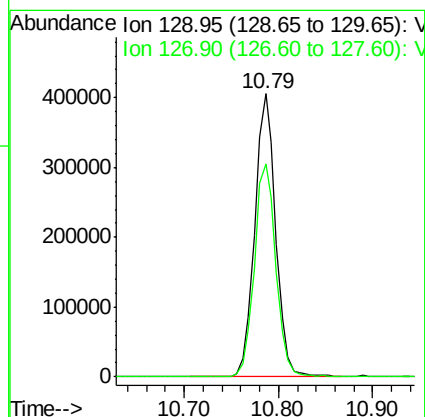
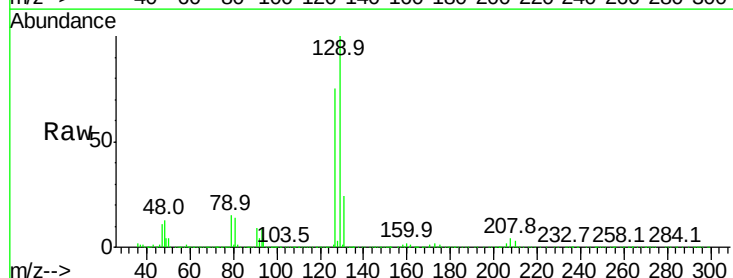
Ion	Ratio	Lower	Upper
43	100		
58	58.4	44.4	66.6
57	18.9	14.0	21.0
100	11.0	8.2	12.2

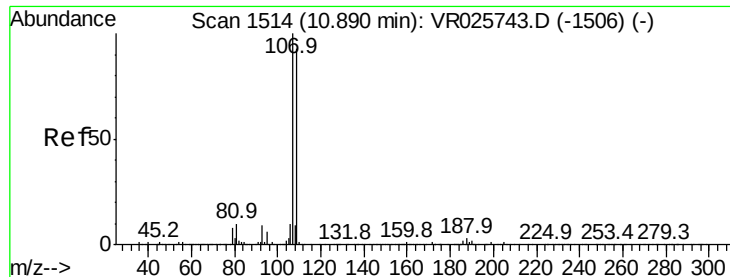


#49
Dibromochloromethane
Concen: 20.377 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR025745.D
Acq: 17 Sep 2018 14:48

Tgt Ion: 129 Resp: 632006

Ion	Ratio	Lower	Upper
129	100		
127	75.3	50.3	93.5

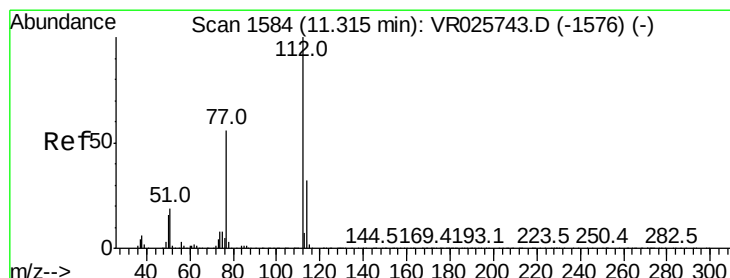
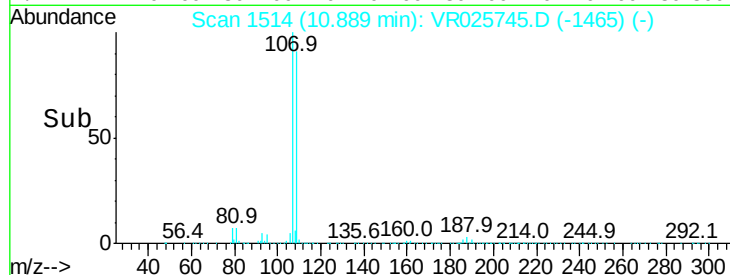
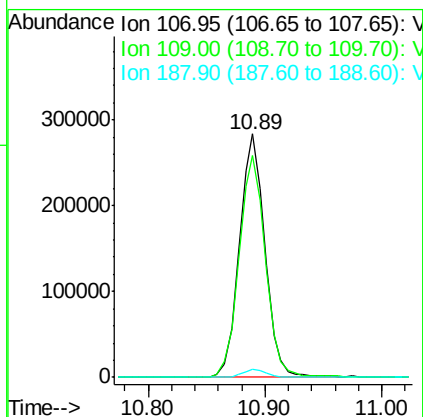
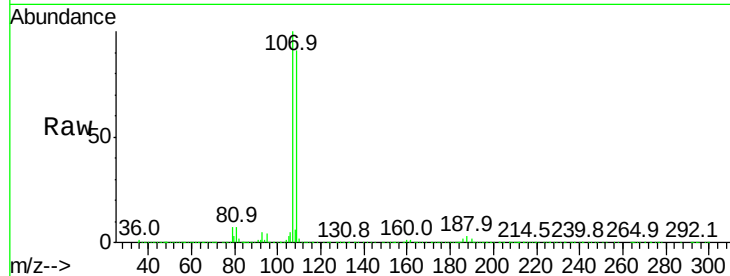




#50
1,2-Dibromoethane
Concen: 18.692 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR025745.D
Acq: 17 Sep 2018 14:48

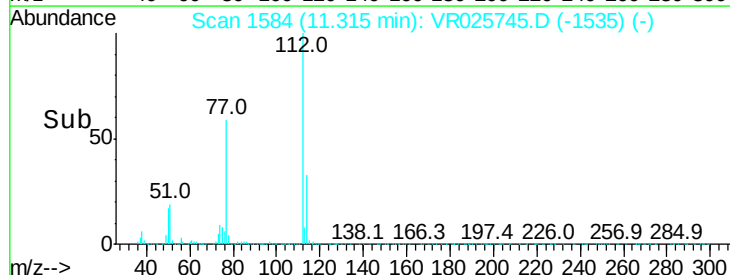
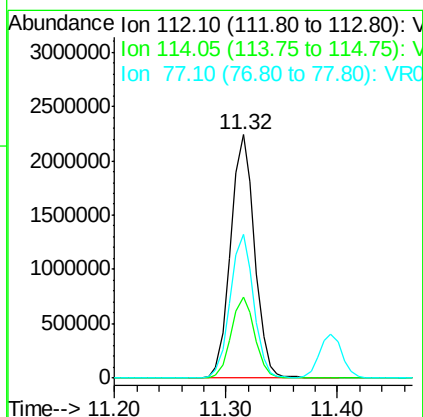
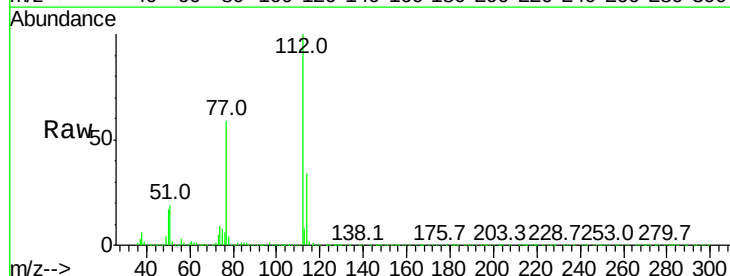
Instrument :
MSVOA_R
ClientSampleId :
VSTD02009

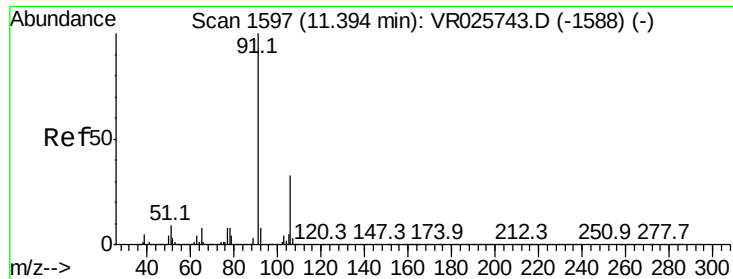
Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.2	65.2	121.2
188	3.2	2.1	3.1#



#51
Chlorobenzene
Concen: 18.808 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR025745.D
Acq: 17 Sep 2018 14:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.5	22.5	41.7
77	59.3	45.0	67.6





#52

Ethylbenzene

Concen: 20.620 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

Instrument :

MSVOA_R

ClientSampleId :

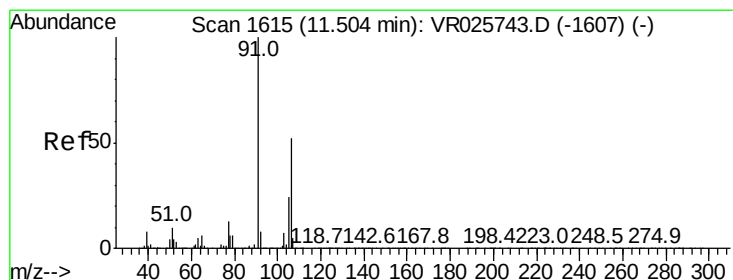
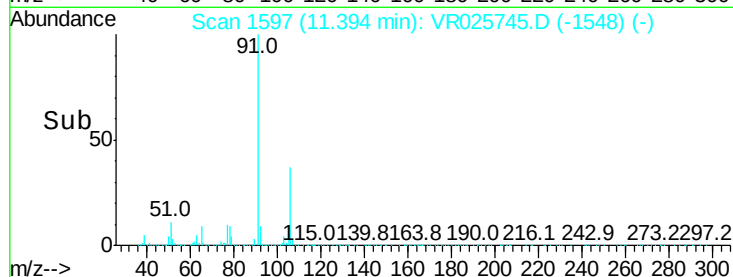
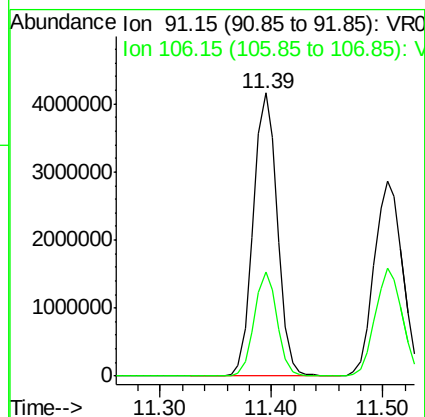
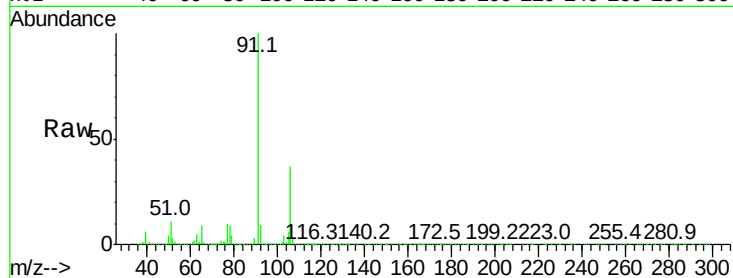
VSTD02009

Tgt Ion: 91 Resp: 6270567

Ion Ratio Lower Upper

91 100

106 36.9 23.0 42.8



#53

m,p-Xylene

Concen: 21.936 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025745.D

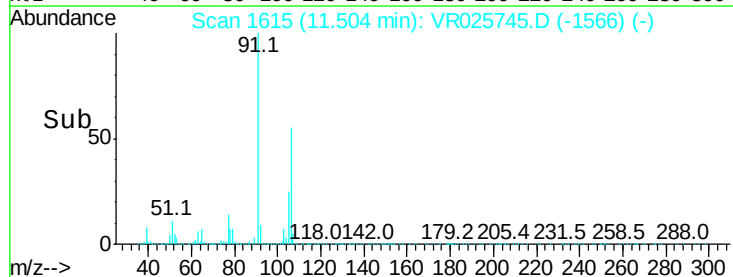
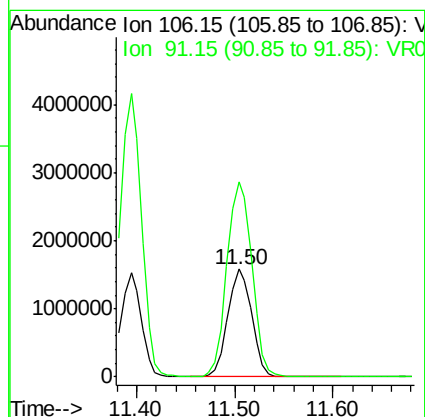
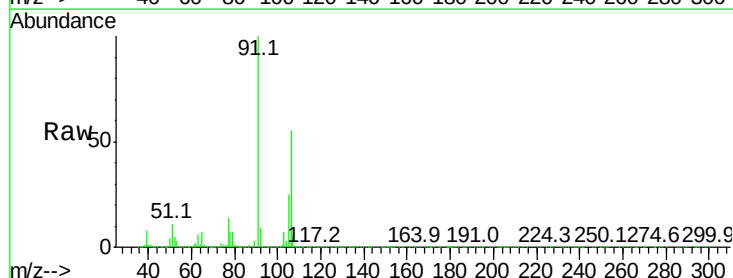
Acq: 17 Sep 2018 14:48

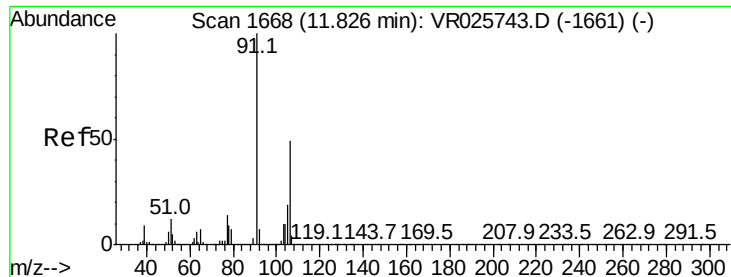
Tgt Ion: 106 Resp: 2684206

Ion Ratio Lower Upper

106 100

91 181.1 134.1 249.0

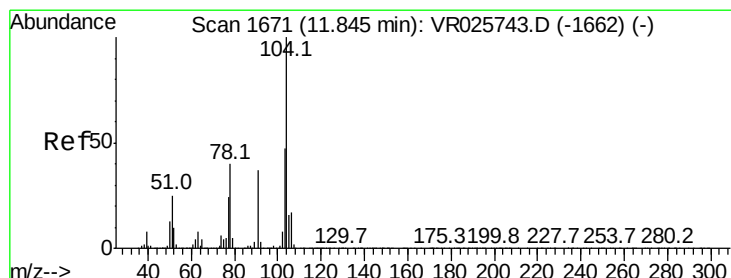
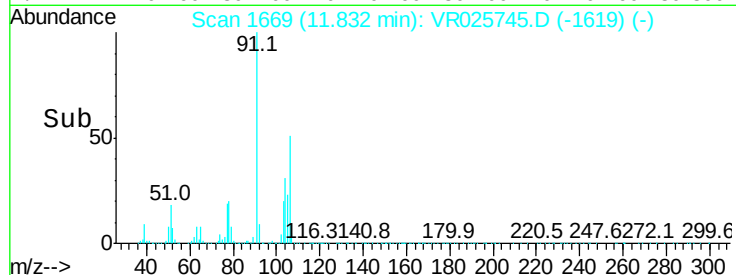
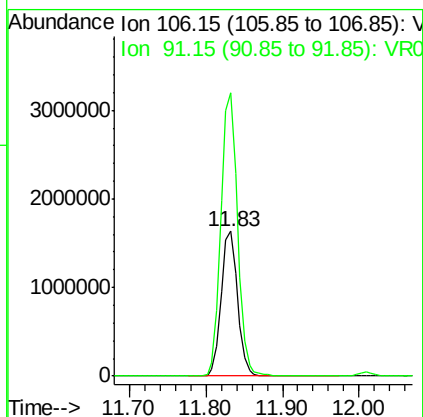
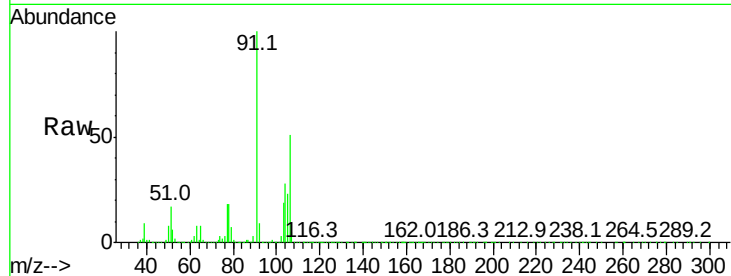




#54
o-Xylene
Concen: 22.526 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR025745.D
Acq: 17 Sep 2018 14:48

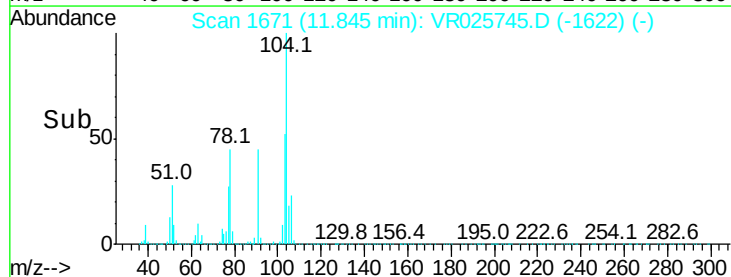
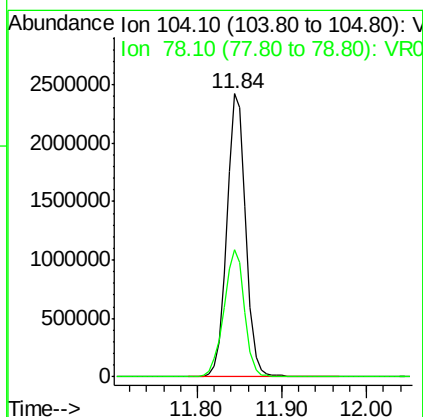
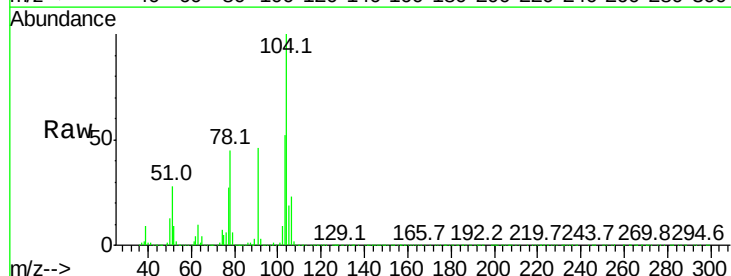
Instrument :
MSVOA_R
ClientSampleId :
VSTD02009

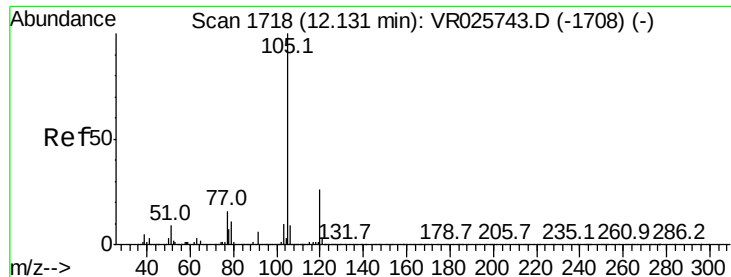
Tgt Ion:106 Resp: 2428456
Ion Ratio Lower Upper
106 100
91 195.8 141.7 263.1



#55
Styrene
Concen: 21.429 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR025745.D
Acq: 17 Sep 2018 14:48

Tgt Ion:104 Resp: 3720245
Ion Ratio Lower Upper
104 100
78 45.0 28.2 52.4





#56

Isopropylbenzene

Concen: 22.772 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

Instrument :

MSVOA_R

ClientSampled :

VSTD02009

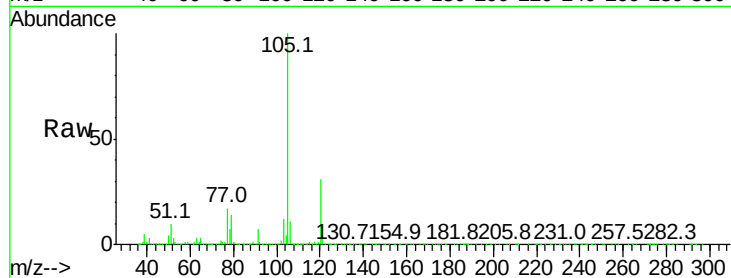
Tgt Ion:105 Resp: 6117424

Ion Ratio Lower Upper

105 100

120 29.9 22.1 33.1

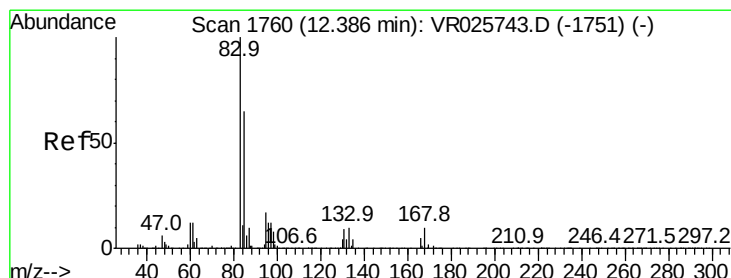
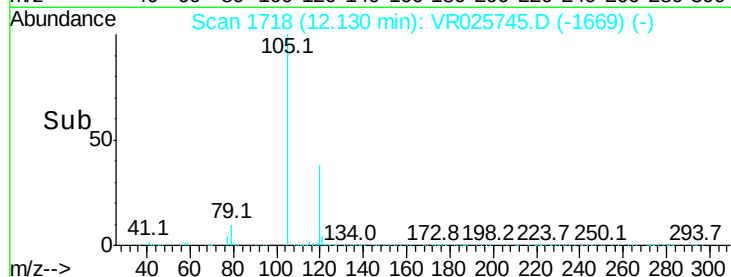
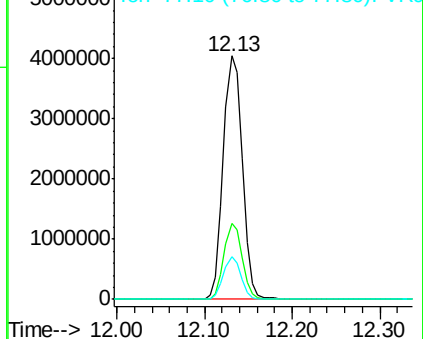
77 16.1 12.5 18.7



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: 19.184 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

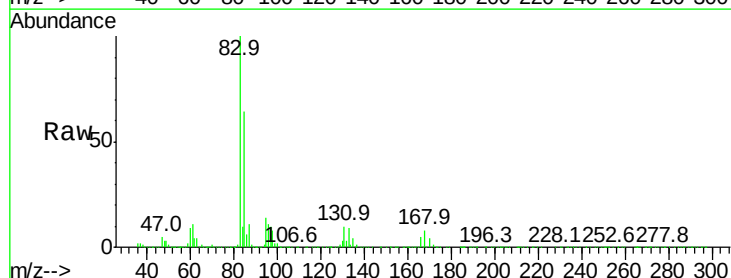
Tgt Ion: 83 Resp: 544035

Ion Ratio Lower Upper

83 100

85 63.7 45.7 84.9

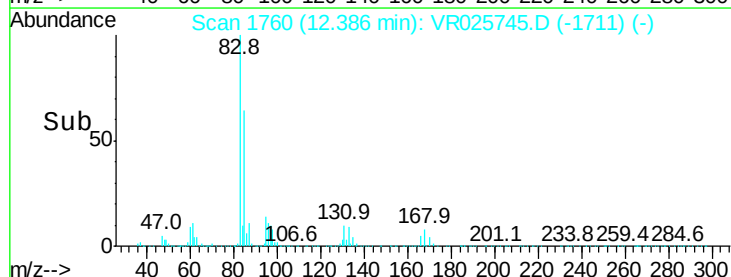
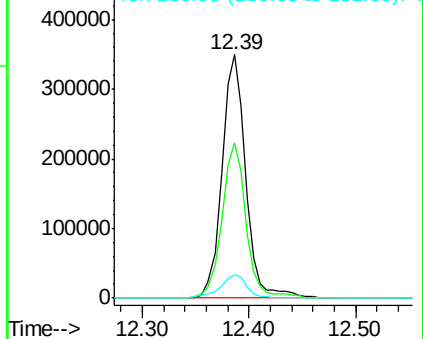
131 9.6 7.6 11.4

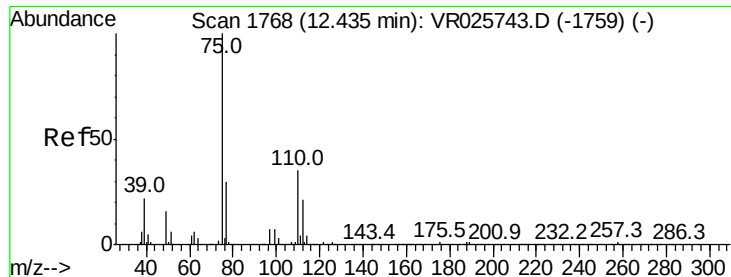


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 18.860 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

Instrument :

MSVOA_R

ClientSampleId :

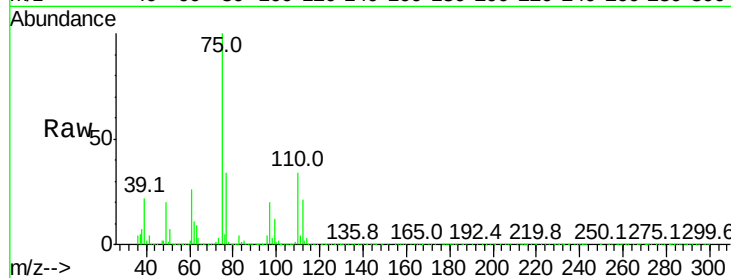
VSTD02009

Tgt Ion: 75 Resp: 359744

Ion Ratio Lower Upper

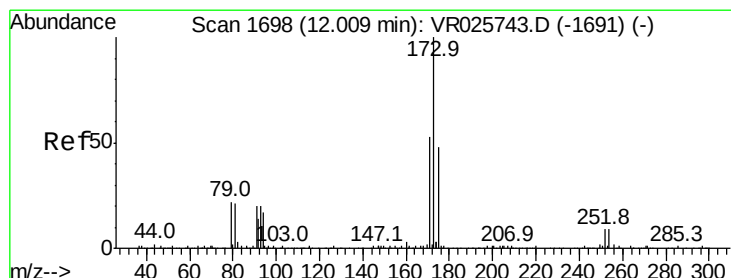
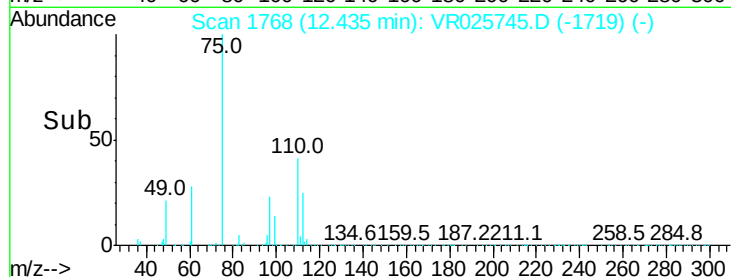
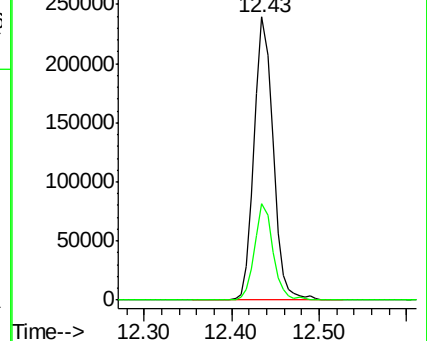
75 100

77 32.9 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 19.038 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

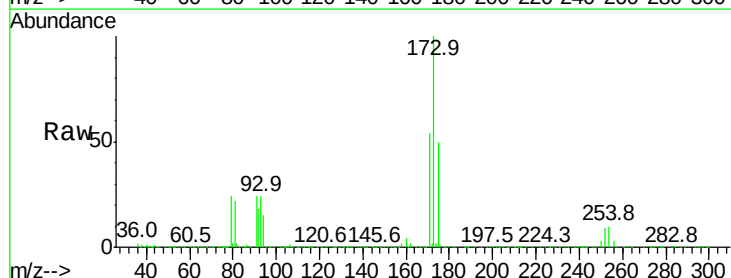
Tgt Ion: 173 Resp: 270225

Ion Ratio Lower Upper

173 100

175 47.2 43.2 64.8

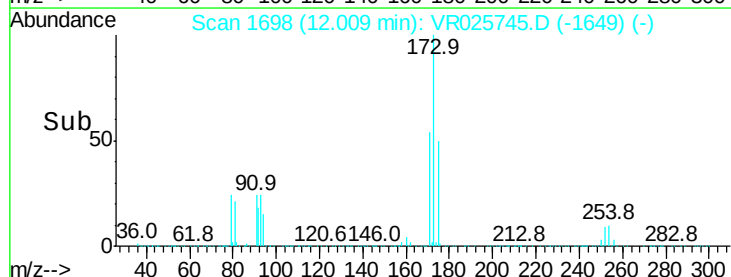
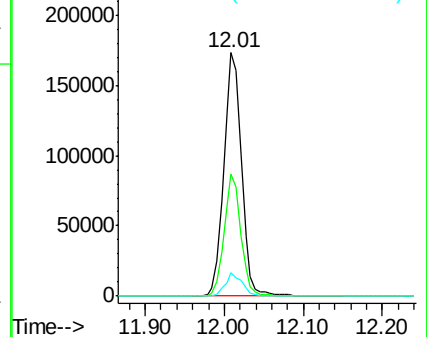
254 9.2 7.8 11.8

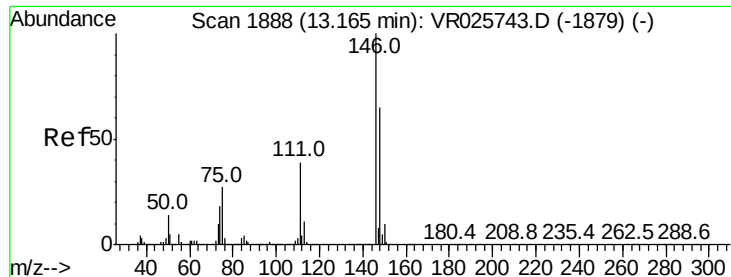


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 20.659 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD02009

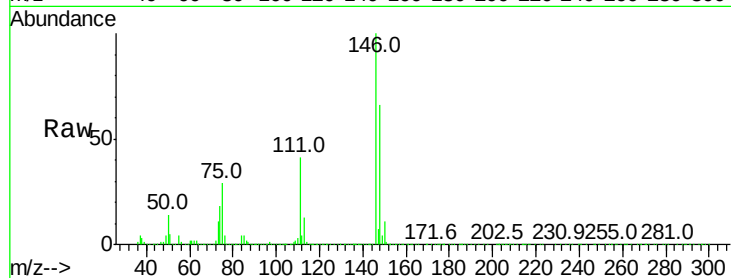
Tgt Ion:146 Resp: 2140790

Ion Ratio Lower Upper

146 100

111 40.7 27.0 50.2

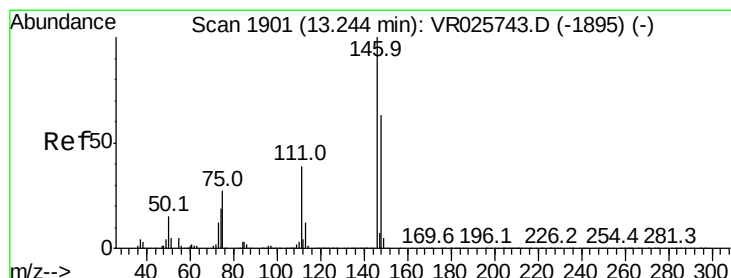
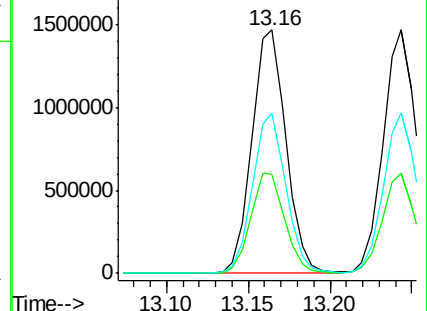
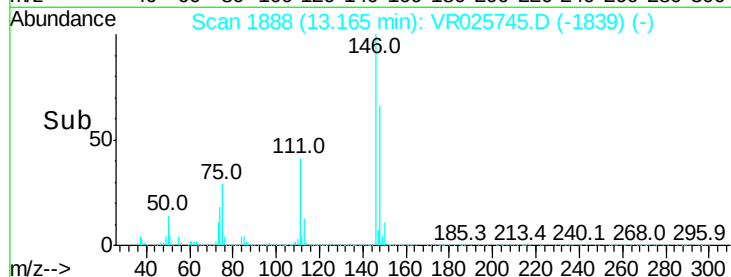
148 65.9 45.5 84.5



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



#63

1,4-Dichlorobenzene

Concen: 17.941 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

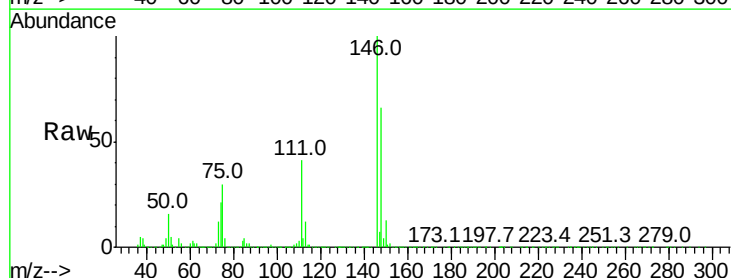
Tgt Ion:146 Resp: 2114513

Ion Ratio Lower Upper

146 100

111 41.3 27.4 50.8

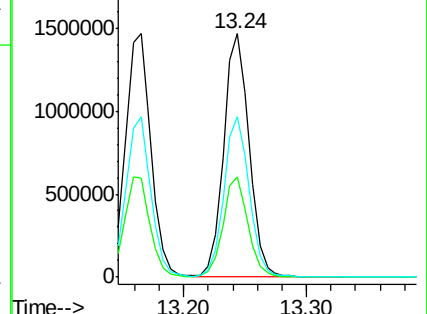
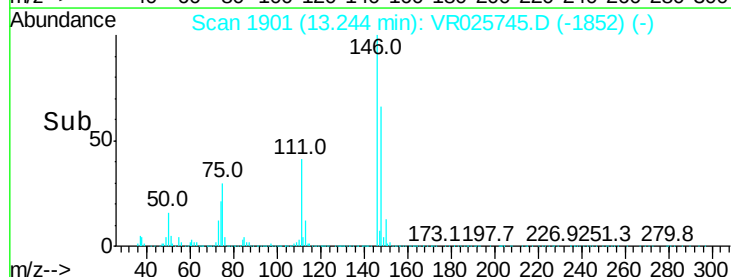
148 65.9 44.4 82.5

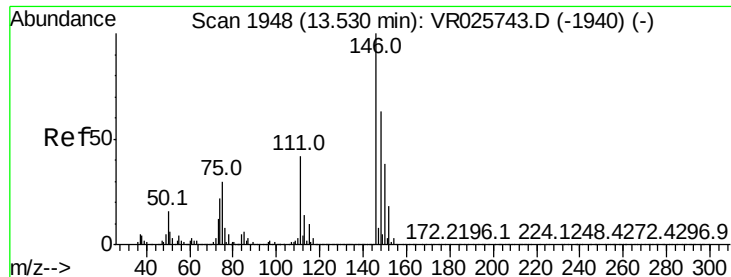


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

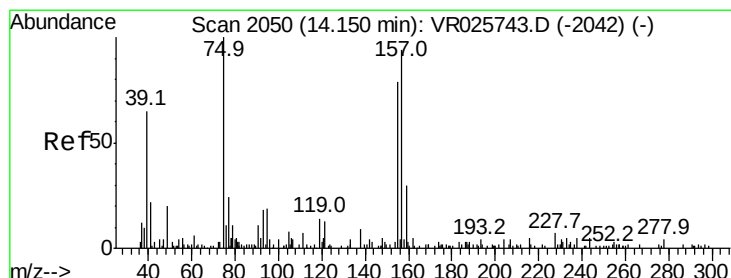
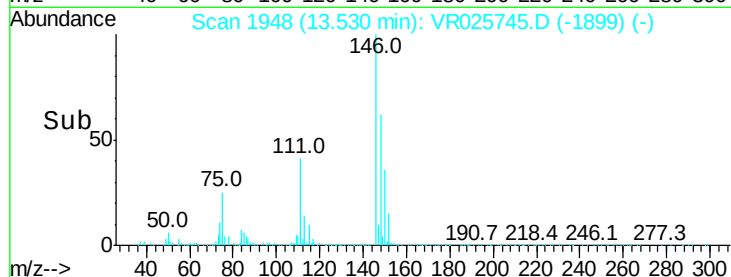
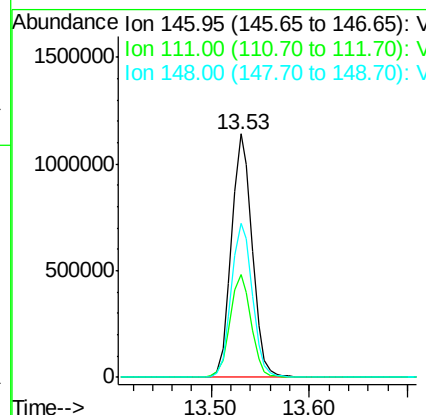
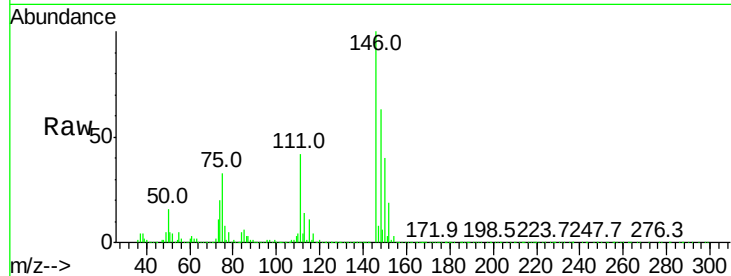




#65
 1,2-Dichlorobenzene
 Concen: 18.765 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR025745.D
 Acq: 17 Sep 2018 14:48

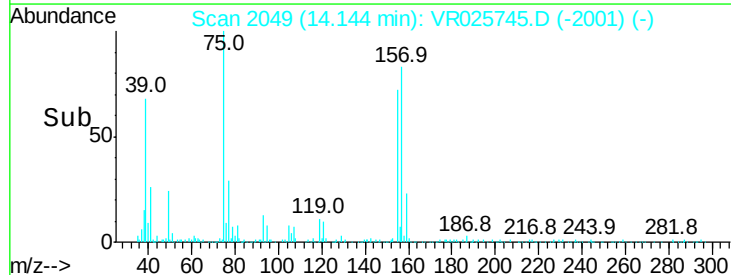
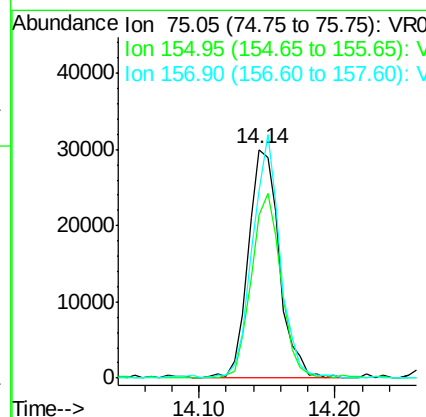
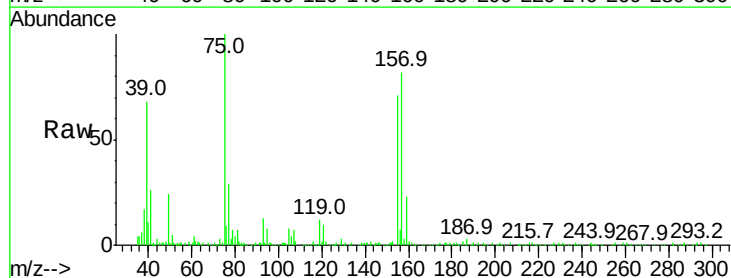
Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD02009

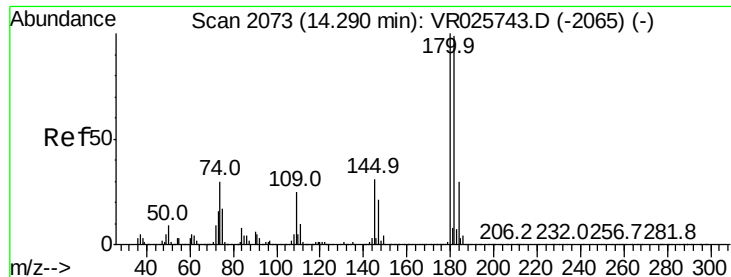
Tgt Ion:146 Resp: 1677563
 Ion Ratio Lower Upper
 146 100
 111 42.5 33.8 50.6
 148 63.4 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 18.194 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: VR025745.D
 Acq: 17 Sep 2018 14:48

Tgt Ion: 75 Resp: 47831
 Ion Ratio Lower Upper
 75 100
 155 71.5 63.6 95.4
 157 82.1 75.0 112.6

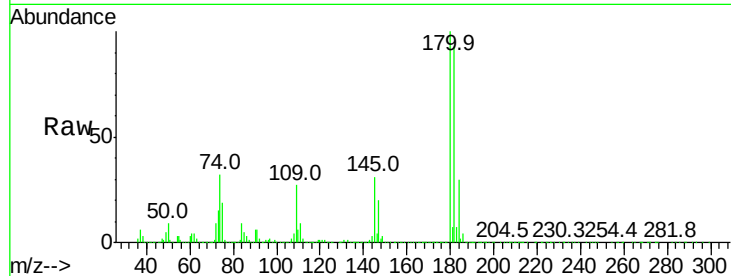




#67
 1,3,5-Trichlorobenzene
 Concen: 20.460 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025745.D
 Acq: 17 Sep 2018 14:48

Instrument :
 MSVOA_R
 ClientSampled :
 VSTD02009

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.8	116.8
184	30.1	25.0	37.4
145	30.9	24.4	36.6

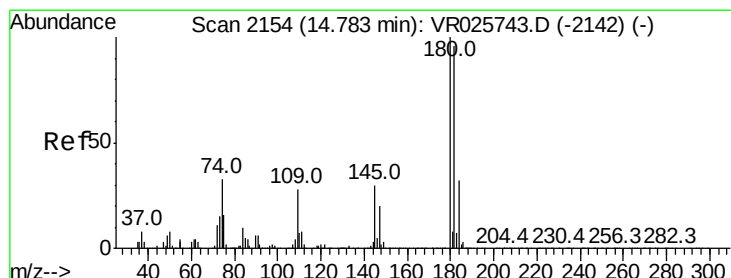
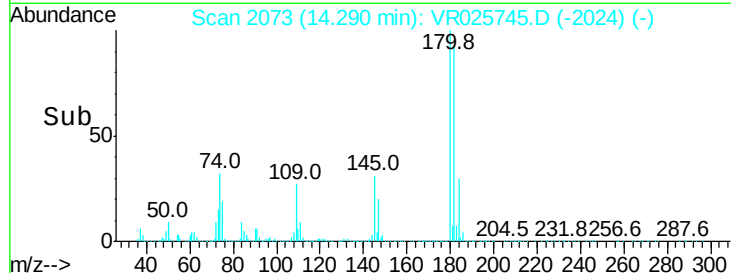
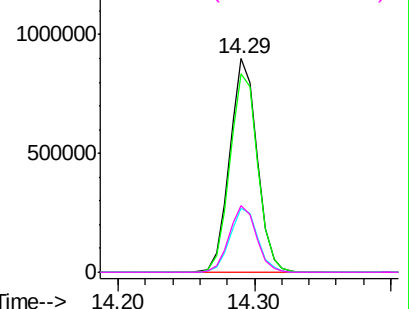


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

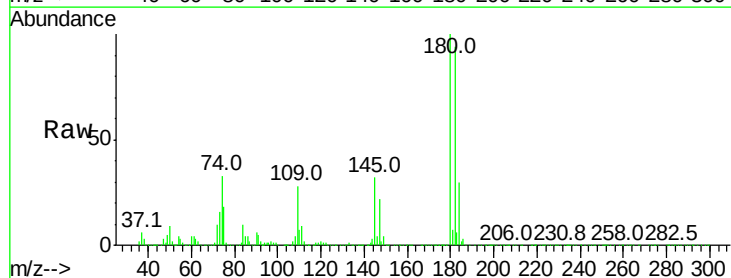
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 20.822 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR025745.D
 Acq: 17 Sep 2018 14:48

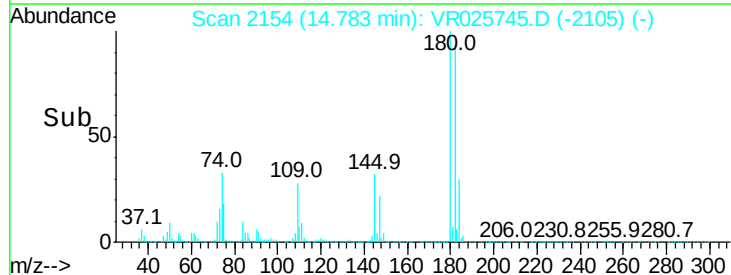
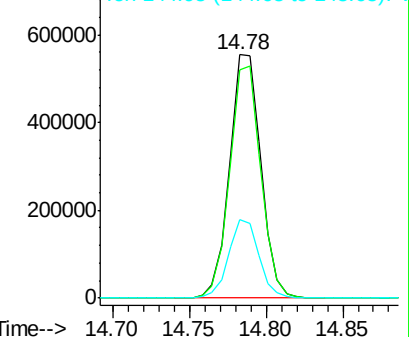
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	79.2	118.8
145	31.2	24.0	36.0

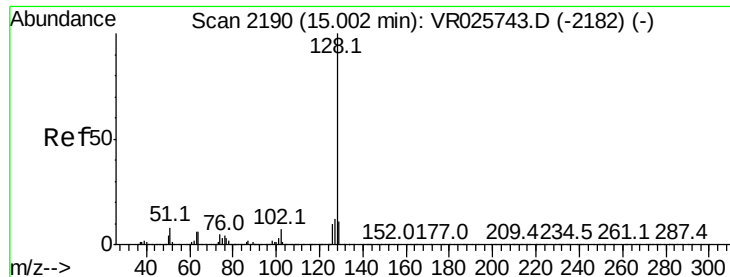


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 23.816 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD02009

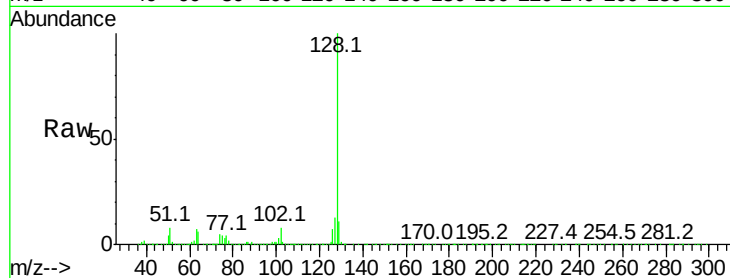
Tgt Ion:128 Resp: 1006749

Ion Ratio Lower Upper

128 100

127 12.6 9.8 14.6

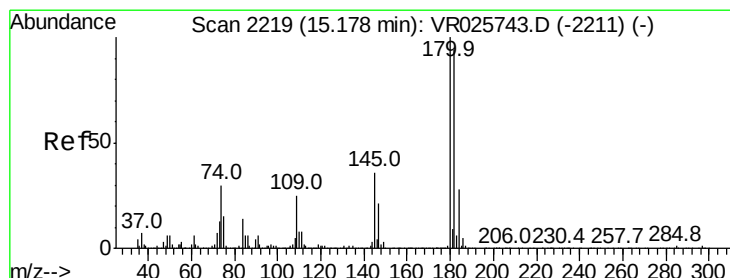
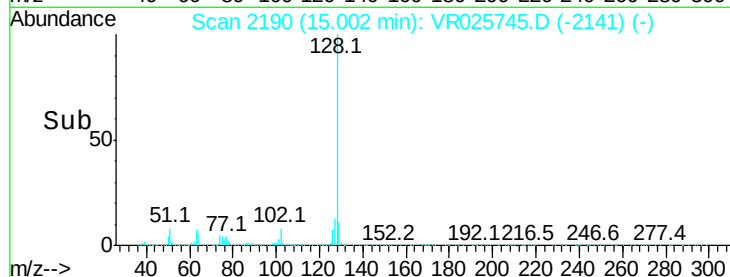
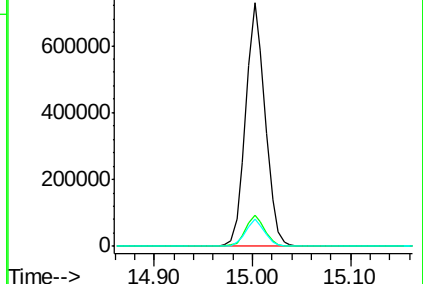
129 10.9 9.3 13.9



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: 18.808 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR025745.D

Acq: 17 Sep 2018 14:48

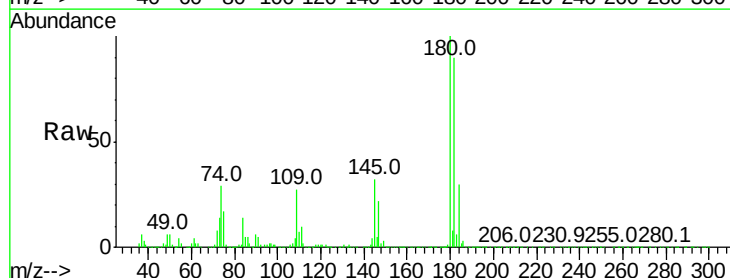
Tgt Ion:180 Resp: 562588

Ion Ratio Lower Upper

180 100

182 96.5 77.8 116.8

145 33.8 27.3 40.9



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

