

Data File : VR026267.D
Acq On : 17 Dec 2018 16:10
Operator : SY/MD
Sample : VSTD01084
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

Quant Time: Dec 17 16:49:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 17 16:44:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	687283	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	565317	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	224701	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	456804	7.51	ug/L	0.00
7) Chloroethane-d5	2.63	69	465644	9.07	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	1312128	8.91	ug/L	0.00
20) 2-Butanone-d5	6.59	46	466745	100.56	ug/L	0.00
24) Chloroform-d	7.20	84	1023555	9.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	381616	9.41	ug/L	0.00
32) Benzene-d6	7.85	84	2083383	10.69	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	514431	10.35	ug/L	0.00
41) Toluene-d8	9.97	98	1996461	10.93	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	141173	10.48	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	345957	113.31	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	188887	9.26	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	407487	10.57	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	563053	11.916 ug/L	95
3) Chloromethane	2.02	50	634131	9.737 ug/L	96
5) Vinyl chloride	2.17	62	652315	10.131 ug/L	97
6) Bromomethane	2.53	94	415920	9.652 ug/L	97
8) Chloroethane	2.66	64	400499	9.929 ug/L	98
9) Trichlorofluoromethane	2.94	101	1071497	10.306 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	565572	9.953 ug/L	99
12) 1,1-Dichloroethene	3.63	96	606392	9.873 ug/L	88
13) Acetone	3.70	43	354229	83.381 ug/L	99
14) Carbon disulfide	3.93	76	2020590	13.039 ug/L	98
15) Methyl Acetate	4.19	43	95386	8.298 ug/L	98
16) Methylene chloride	4.41	84	469316	8.374 ug/L	99
17) Methyl tert-butyl Ether	4.89	73	547968	9.002 ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	547968	10.539 ug/L	93
19) 1,1-Dichloroethane	5.69	63	946168	9.989 ug/L	99
21) 2-Butanone	6.69	43	492976	90.948 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	505815	10.895 ug/L	93
23) Bromochloromethane	7.06	128	134480	9.315 ug/L	96
25) Chloroform	7.23	83	911977	8.721 ug/L	98
27) 1,2-Dichloroethane	7.99	62	396634	9.232 ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	908134	11.605 ug/L	99
30) Cyclohexane	7.52	56	938768	13.967 ug/L	99
31) Carbon tetrachloride	7.64	117	827268	11.795 ug/L	99
33) Benzene	7.91	78	2230926	10.894 ug/L	100
34) Trichloroethene	8.71	95	590773	11.098 ug/L	99
35) Methylcyclohexane	8.96	83	955228	13.292 ug/L	99
37) 1,2-Dichloropropane	9.00	63	435173	10.167 ug/L	100
38) Bromodichloromethane	9.28	83	491904	9.729 ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	559928	11.639 ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	1218872	99.504 ug/L	99

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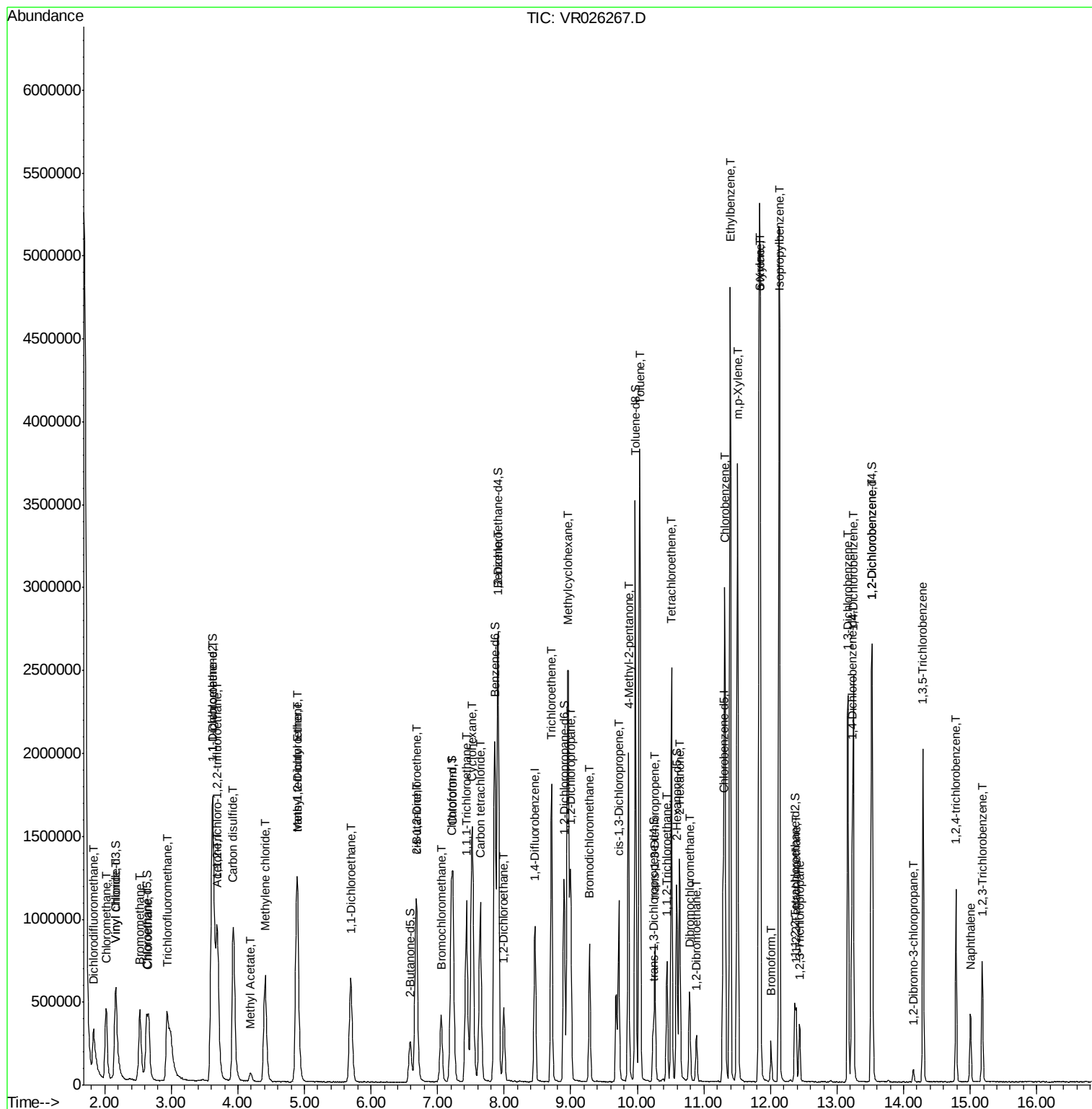
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	2403009	10.813	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	393673	12.082	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	180428	9.481	ug/L	96
47) Tetrachloroethene	10.51	164	456688	11.902	ug/L	93
48) 2-Hexanone	10.63	43	802829	97.925	ug/L	99
49) Dibromochloromethane	10.79	129	239794	10.477	ug/L	100
50) 1,2-Dibromoethane	10.89	107	155266	9.723	ug/L	96
51) Chlorobenzene	11.32	112	1249828	10.121	ug/L	97
52) Ethylbenzene	11.39	91	2786677	11.342	ug/L	97
53) m,p-Xylene	11.50	106	1046888	11.708	ug/L	96
54) o-Xylene	11.83	106	954772	11.785	ug/L	96
55) Styrene	11.84	104	1431686	11.094	ug/L	99
56) Isopropylbenzene	12.13	105	2758880	12.258	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	162106	8.902	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	122406	9.191	ug/L	100
61) Bromoform	12.01	173	94906	10.757	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	789658	11.063	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	784429	9.975	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	610280	10.377	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.15	75	17062	7.778	ug/L	95
67) 1,3,5-Trichlorobenzene	14.30	180	503062	11.289	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	282932	11.437	ug/L	99
69) Naphthalene	15.00	128	276585	11.441	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	194041	10.574	ug/L	98

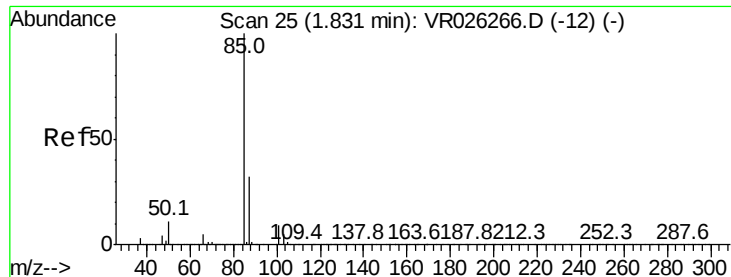
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 11.916 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.00 min

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Acq: 17 Dec 2018 16:10

Instrument :

MSVOA_R

ClientSampleId :

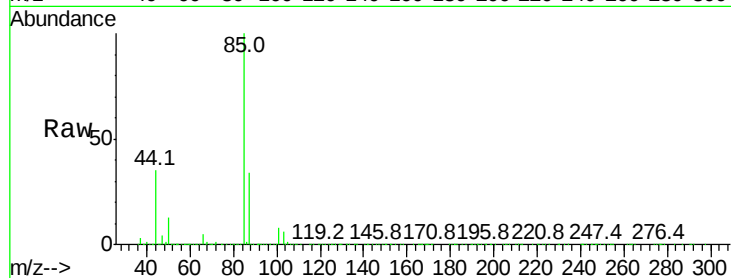
VSTD01084

Tgt Ion: 85 Resp: 563053

Ion Ratio Lower Upper

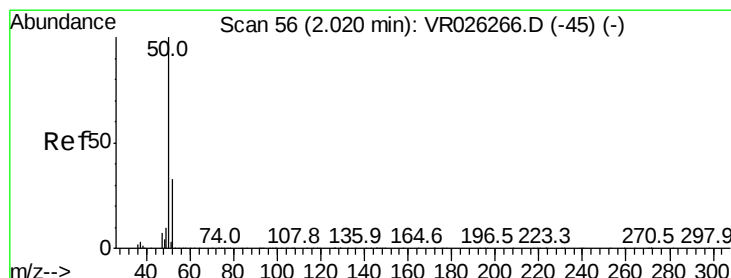
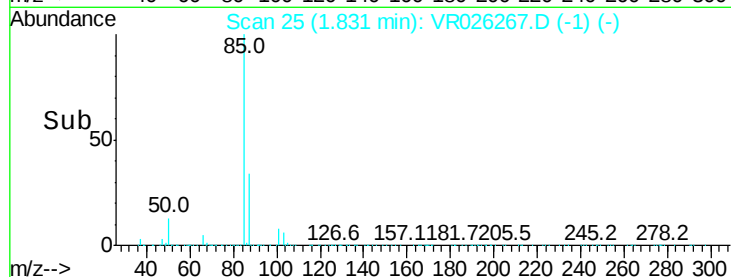
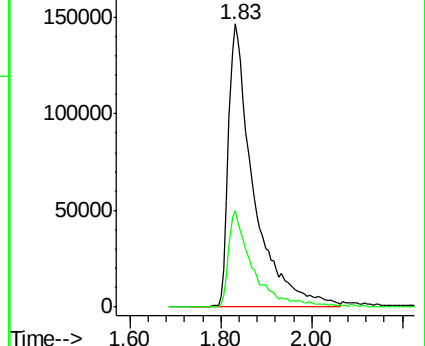
85 100

87 32.5 23.8 35.6



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 9.737 ug/L

RT: 2.02 min Scan# 56

Delta R.T. -0.00 min

Lab File: VR026267.D

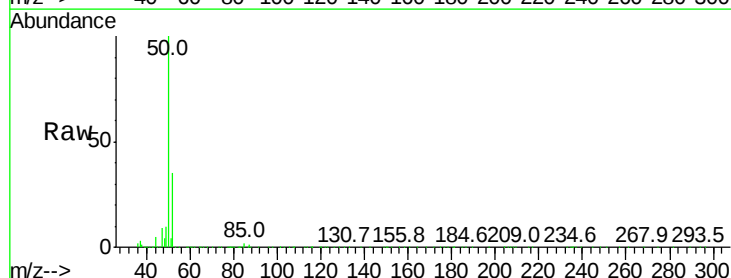
Acq: 17 Dec 2018 16:10

Tgt Ion: 50 Resp: 634131

Ion Ratio Lower Upper

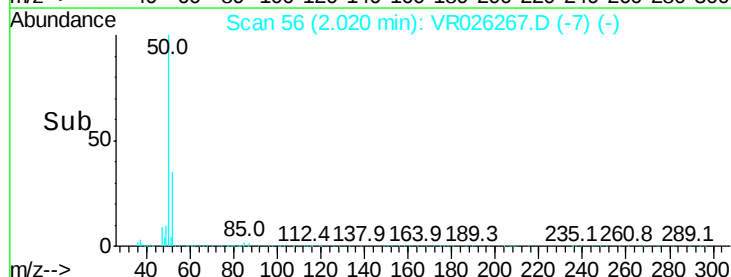
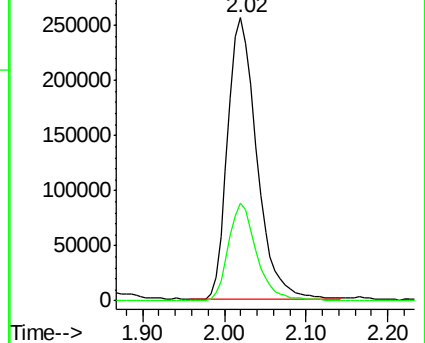
50 100

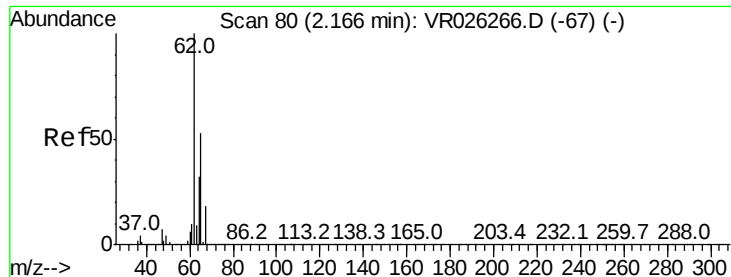
52 34.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 10.131 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

Instrument :

MSVOA_R

ClientSampleId :

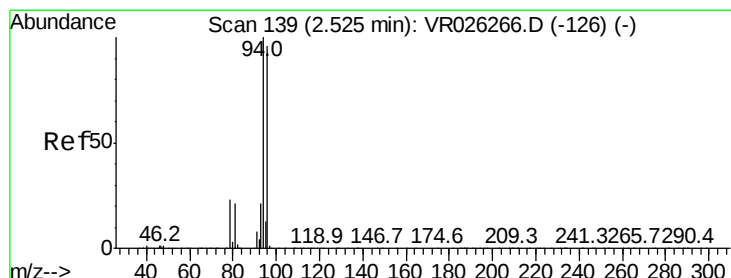
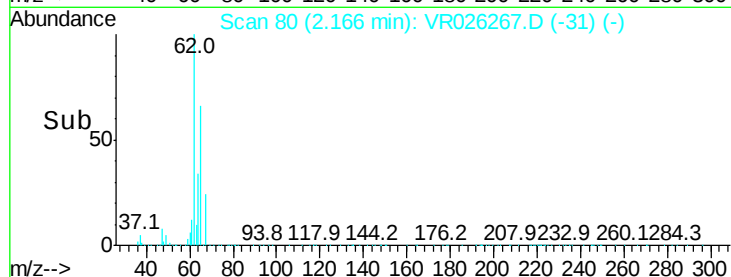
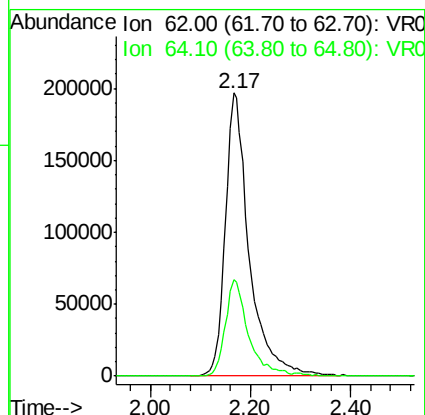
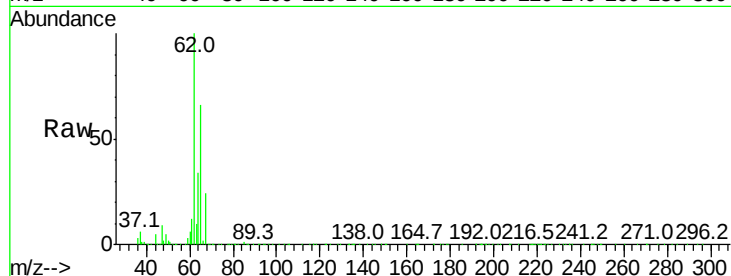
VSTD01084

Tgt Ion: 62 Resp: 652315

Ion Ratio Lower Upper

62 100

64 34.1 22.7 42.1



#6

Bromomethane

Concen: 9.652 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR026267.D

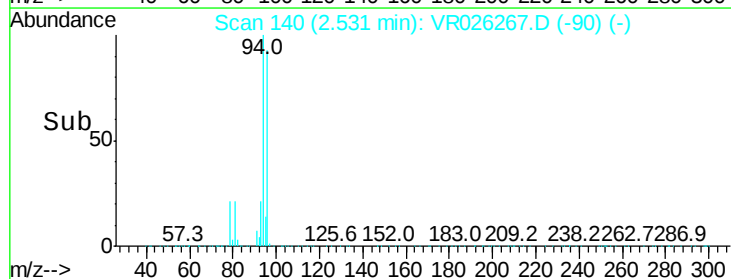
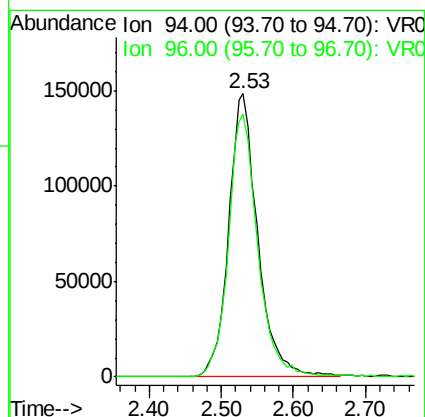
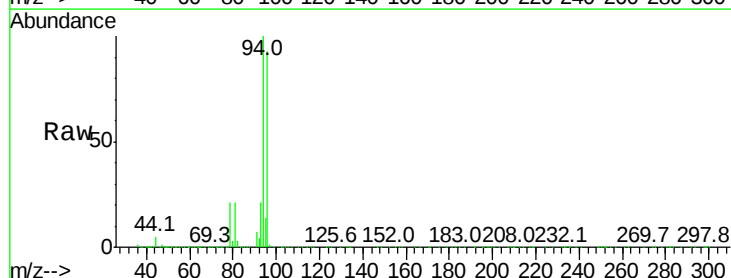
Acq: 17 Dec 2018 16:10

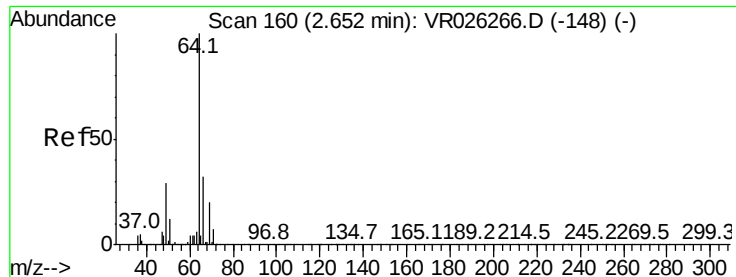
Tgt Ion: 94 Resp: 415920

Ion Ratio Lower Upper

94 100

96 92.9 67.1 124.5





#8

Chloroethane

Concen: 9.929 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

Instrument :

MSVOA_R

ClientSampleId :

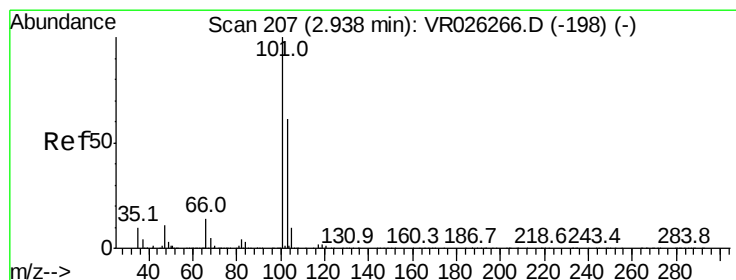
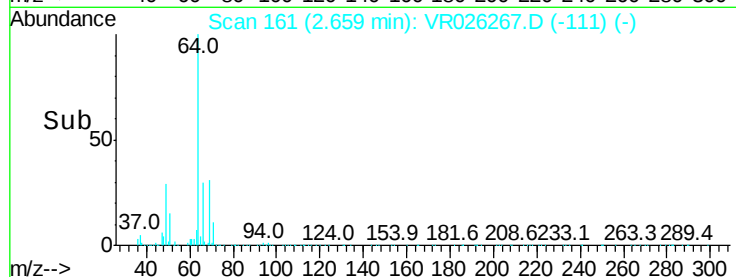
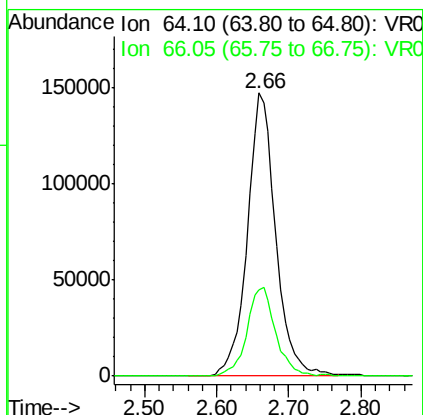
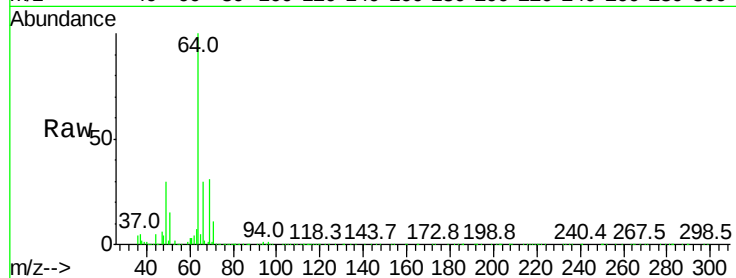
VSTD01084

Tgt Ion: 64 Resp: 400499

Ion Ratio Lower Upper

64 100

66 30.4 22.2 41.2



#9

Trichlorofluoromethane

Concen: 10.306 ug/L

RT: 2.94 min Scan# 207

Delta R.T. -0.00 min

Lab File: VR026267.D

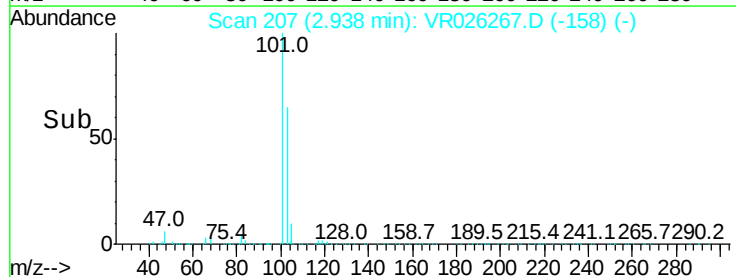
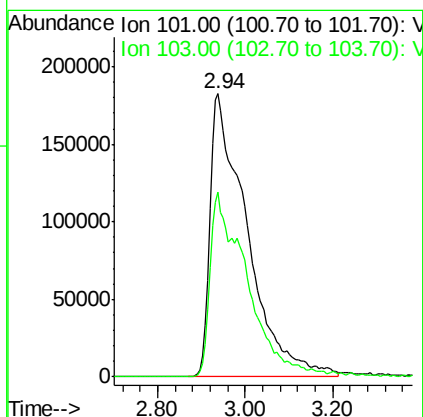
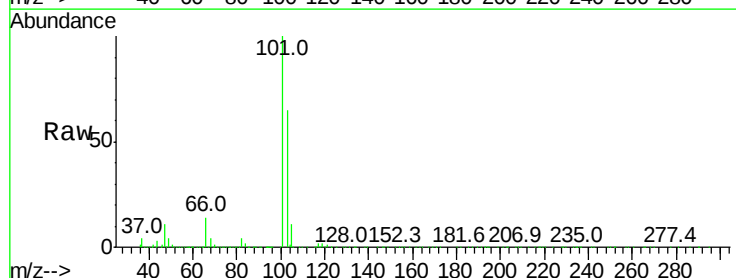
Acq: 17 Dec 2018 16:10

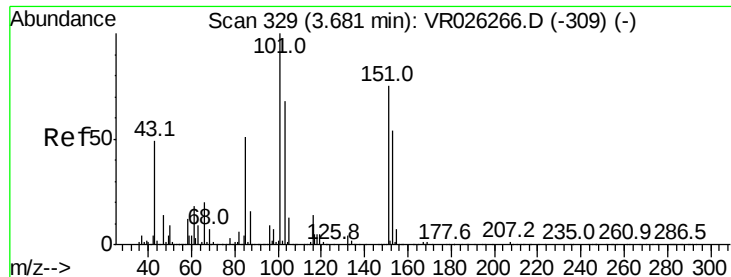
Tgt Ion: 101 Resp: 1071497

Ion Ratio Lower Upper

101 100

103 65.1 52.4 78.6





#10

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

Concen: 9.953 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.01 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

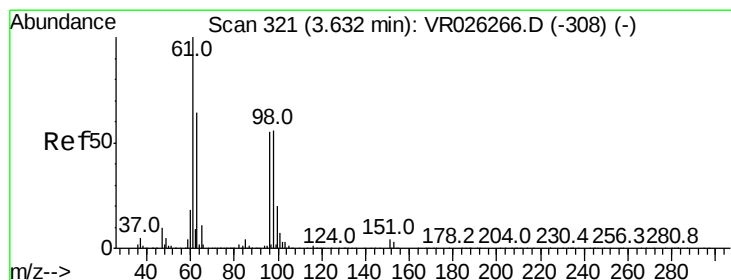
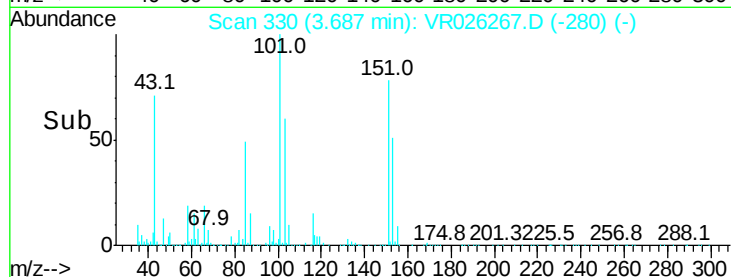
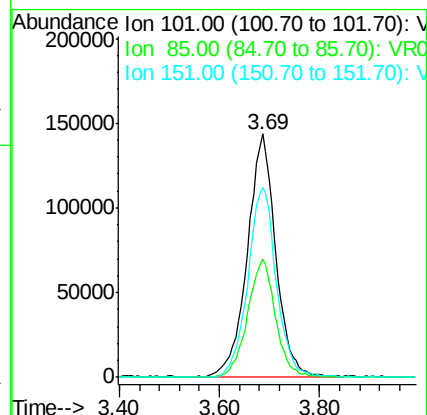
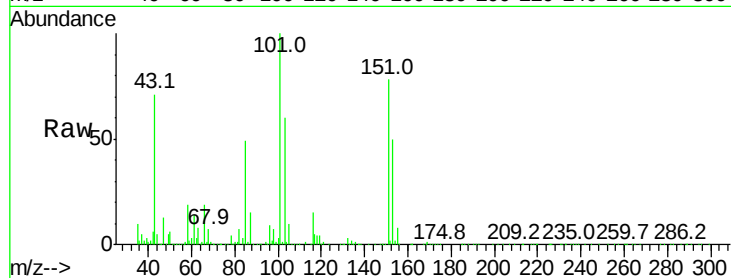
Tgt Ion:101 Resp: 565572

Ion Ratio Lower Upper

101 100

85 48.1 38.2 57.2

151 78.5 61.7 92.5



#12

1,1-Dichloroethene

Concen: 9.873 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.01 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

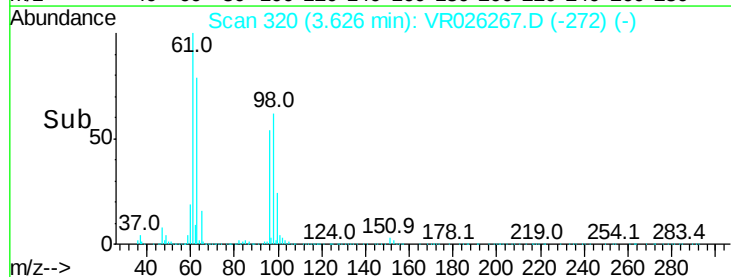
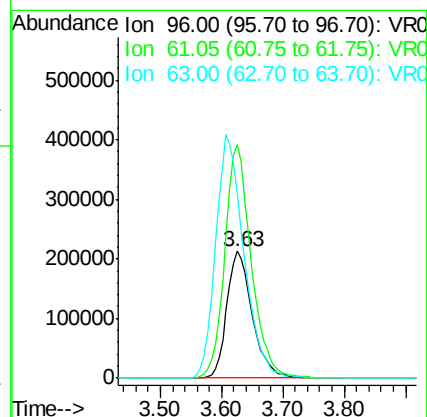
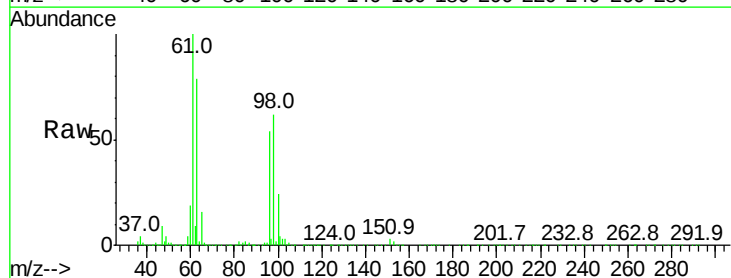
Tgt Ion: 96 Resp: 606392

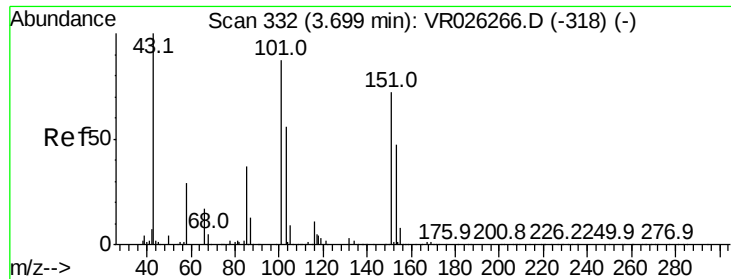
Ion Ratio Lower Upper

96 100

61 184.3 127.1 236.0

63 145.6 81.5 151.5

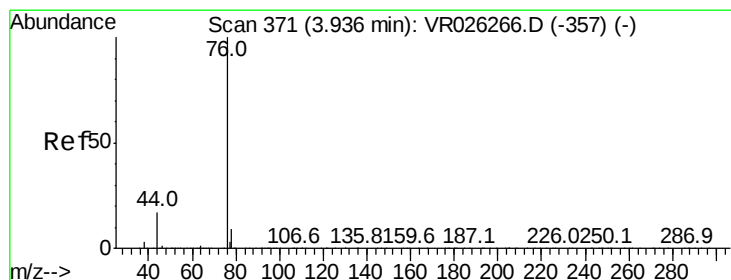
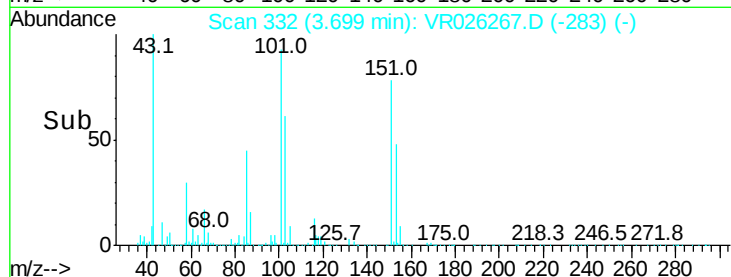
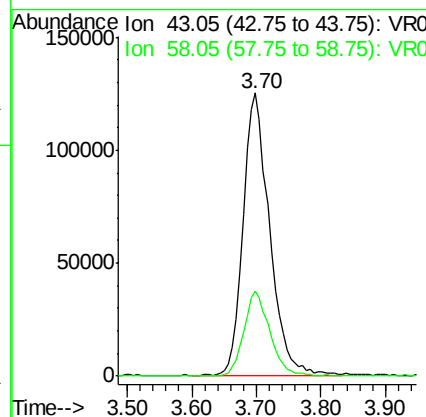
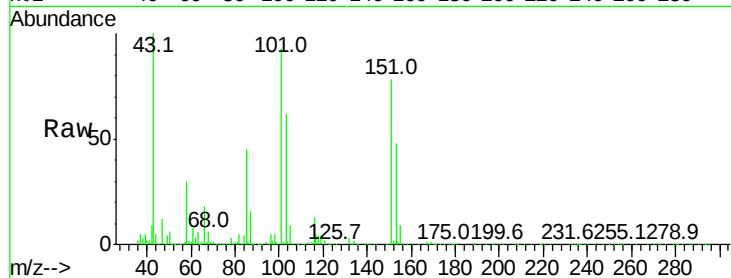




#13
Acetone
Concen: 83.381 ug/L
RT: 3.70 min Scan# 332
Delta R.T. -0.00 min
Lab File: VR026267.D
Acq: 17 Dec 2018 16:10

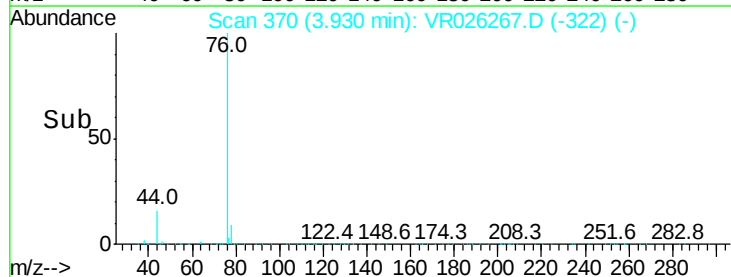
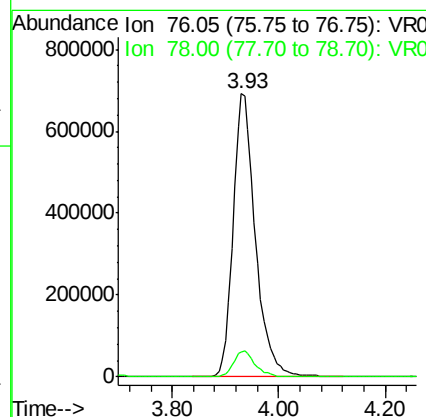
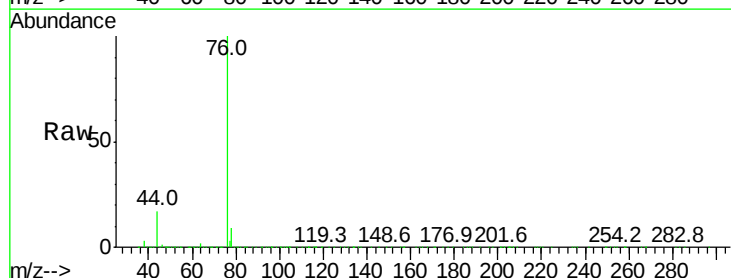
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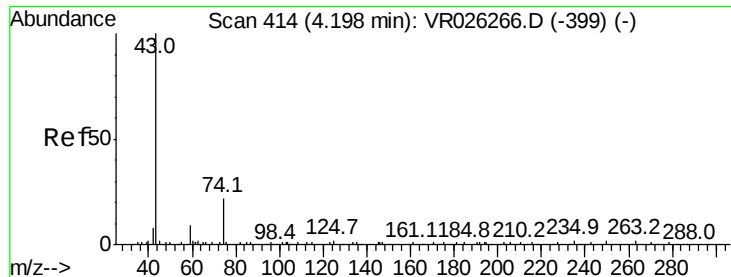
Tgt Ion: 43 Resp: 354229
Ion Ratio Lower Upper
43 100
58 29.6 0.0 60.8



#14
Carbon disulfide
Concen: 13.039 ug/L
RT: 3.93 min Scan# 370
Delta R.T. -0.01 min
Lab File: VR026267.D
Acq: 17 Dec 2018 16:10

Tgt Ion: 76 Resp: 2020590
Ion Ratio Lower Upper
76 100
78 8.9 7.6 11.4

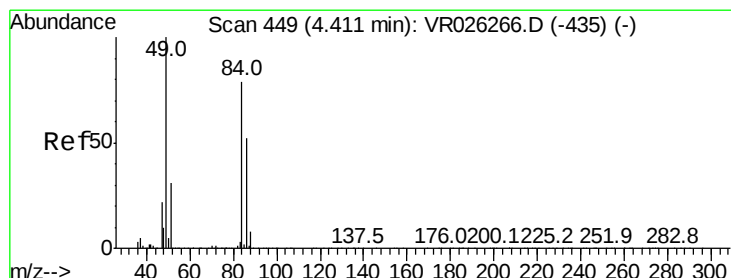
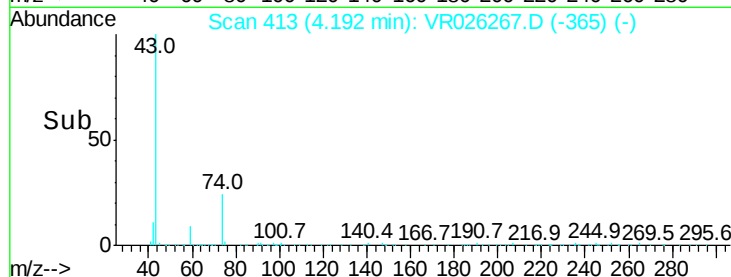
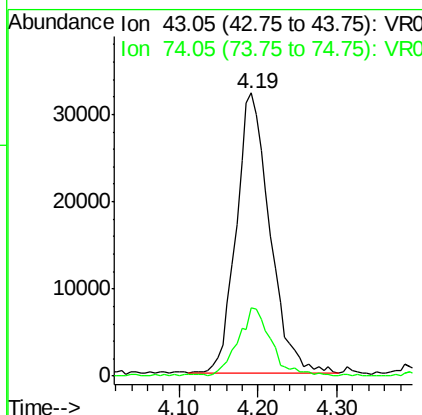
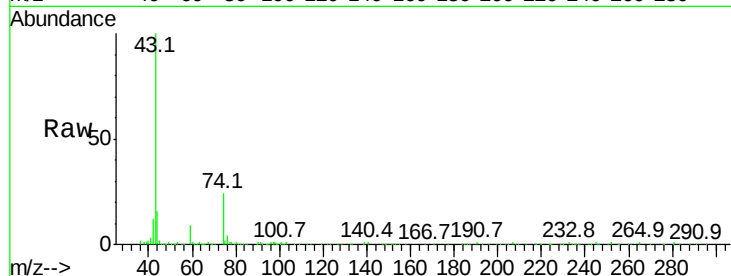




#15
Methyl Acetate
Concen: 8.298 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.01 min
Lab File: VR026267.D
Acq: 17 Dec 2018 16:10

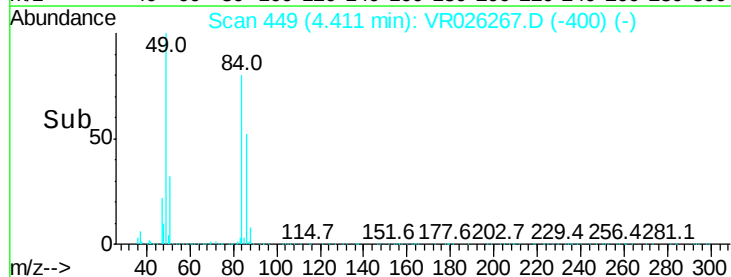
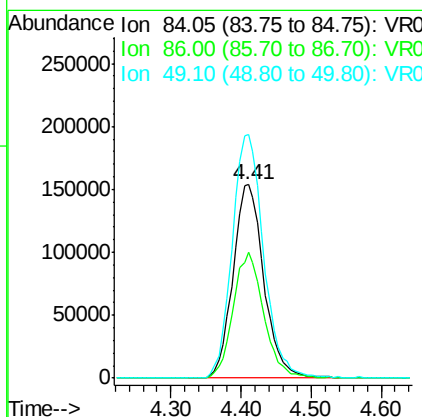
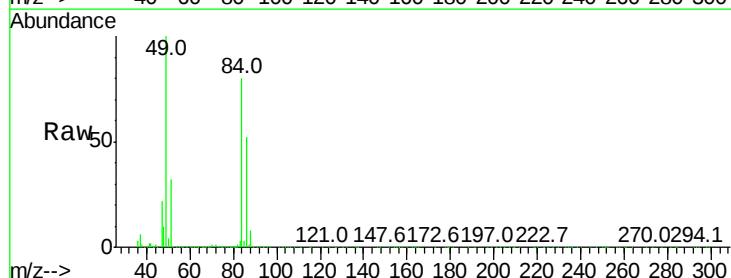
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

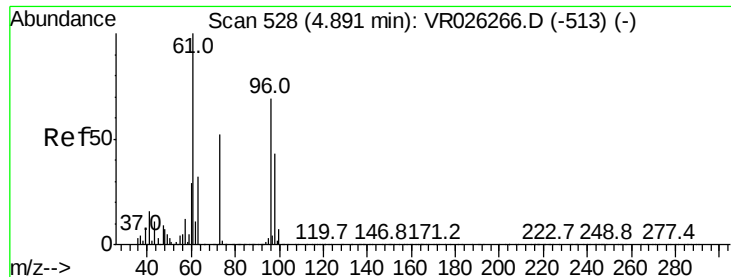
Tgt Ion: 43 Resp: 95386
Ion Ratio Lower Upper
43 100
74 24.0 18.4 27.6



#16
Methylene chloride
Concen: 8.374 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.00 min
Lab File: VR026267.D
Acq: 17 Dec 2018 16:10

Tgt Ion: 84 Resp: 469316
Ion Ratio Lower Upper
84 100
86 64.9 45.8 85.0
49 125.7 88.7 164.7





#17

Methyl tert-butyl Ether

Concen: 9.002 ug/L

RT: 4.89 min Scan# 528

Delta R.T. -0.00 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

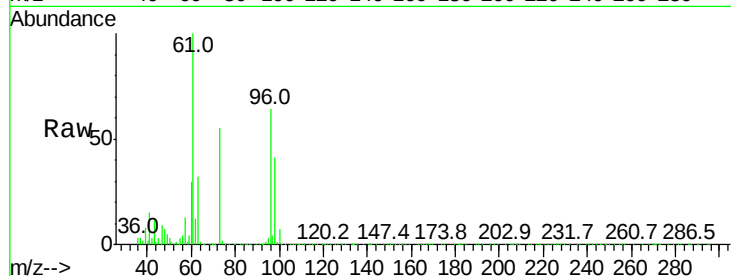
Tgt Ion: 73 Resp: 547968

Ion Ratio Lower Upper

73 100

43 22.3 18.7 28.1

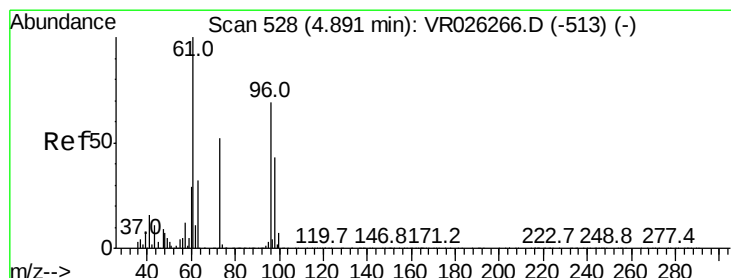
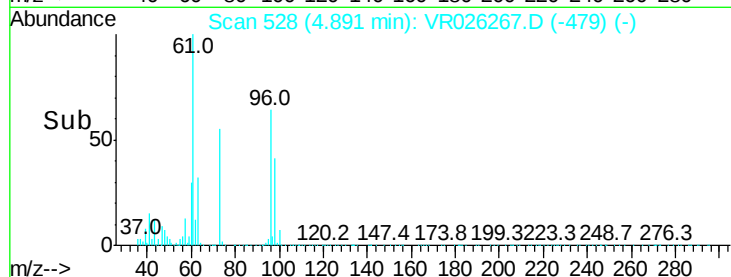
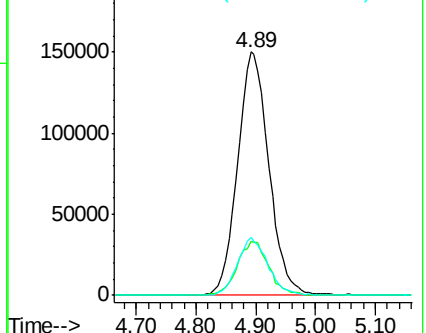
57 23.0 18.2 27.2



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: 10.539 ug/L

RT: 4.89 min Scan# 528

Delta R.T. -0.00 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

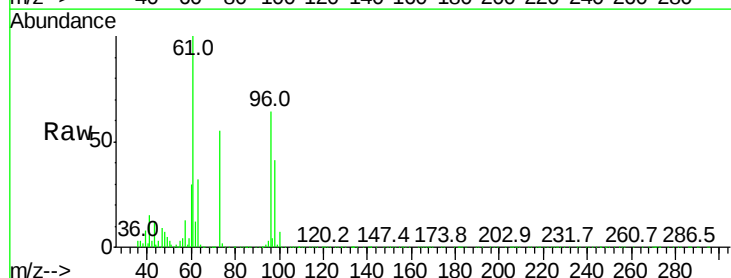
Tgt Ion: 96 Resp: 547968

Ion Ratio Lower Upper

96 100

61 155.3 101.4 188.4

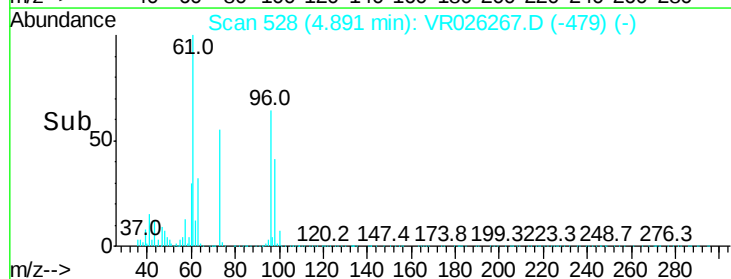
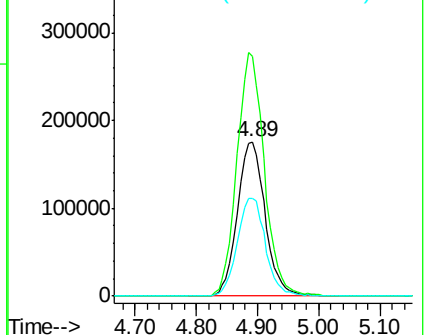
98 63.7 43.3 80.5

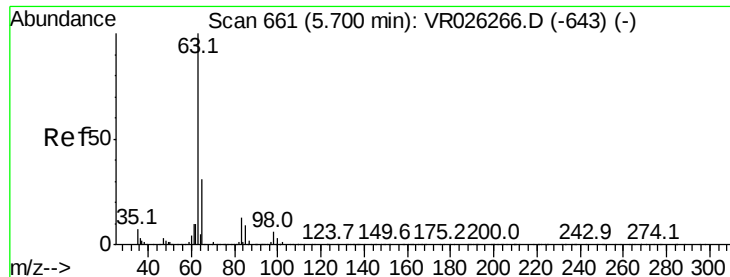


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0





#19

1,1-Dichloroethane

Concen: 9.989 ug/L

RT: 5.69 min Scan# 660

Delta R.T. -0.01 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

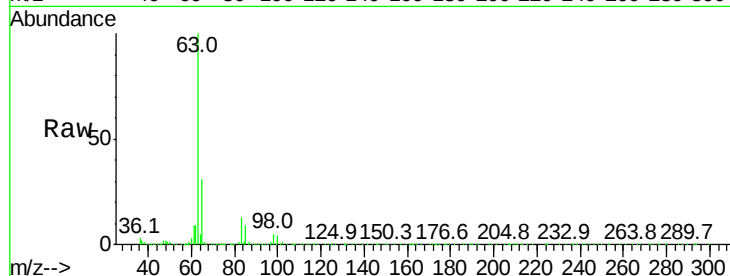
Tgt Ion: 63 Resp: 946168

Ion Ratio Lower Upper

63 100

65 31.2 21.6 40.0

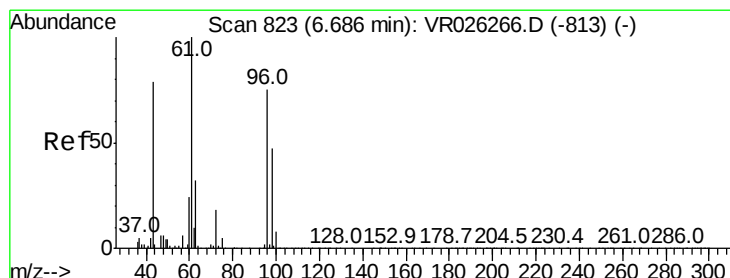
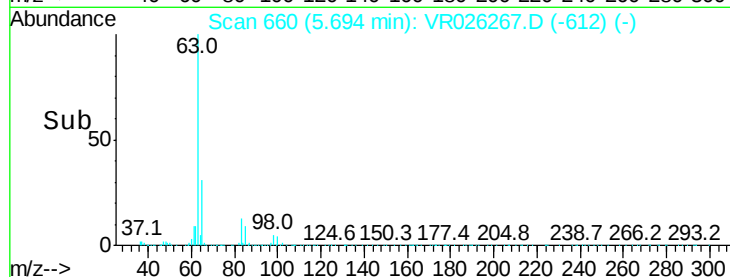
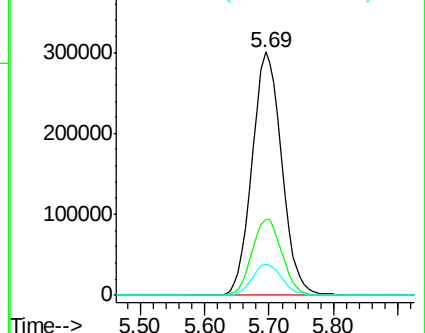
83 12.7 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 90.948 ug/L

RT: 6.69 min Scan# 823

Delta R.T. -0.00 min

Lab File: VR026267.D

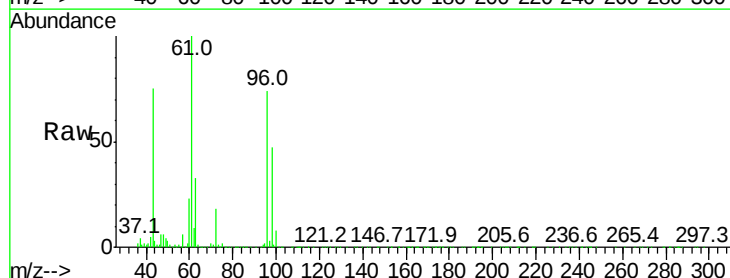
Acq: 17 Dec 2018 16:10

Tgt Ion: 43 Resp: 492976

Ion Ratio Lower Upper

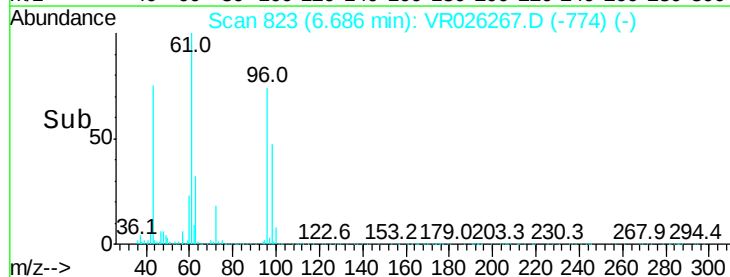
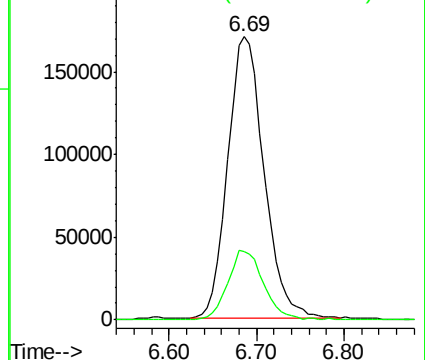
43 100

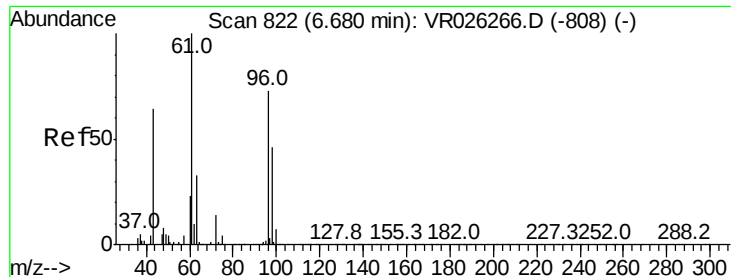
72 24.3 11.9 35.5



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



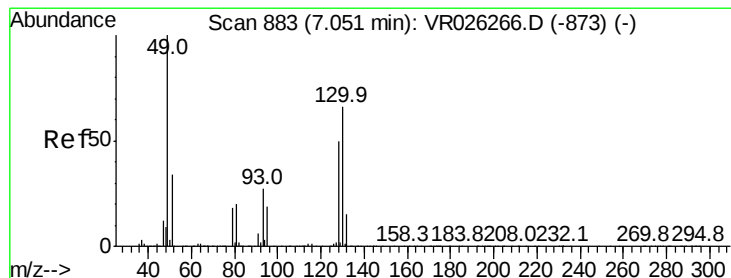
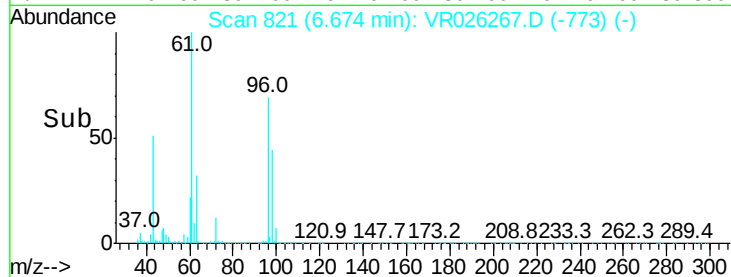
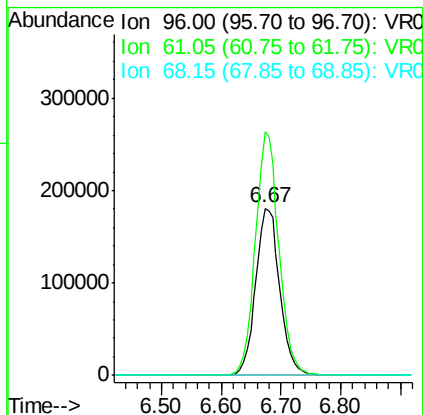
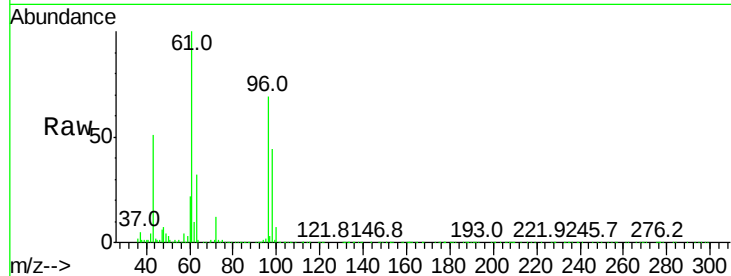


#22

cis-1,2-Dichloroethene
Concen: 10.895 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.01 min
Lab File: VR026267.D
Acq: 17 Dec 2018 16:10

Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

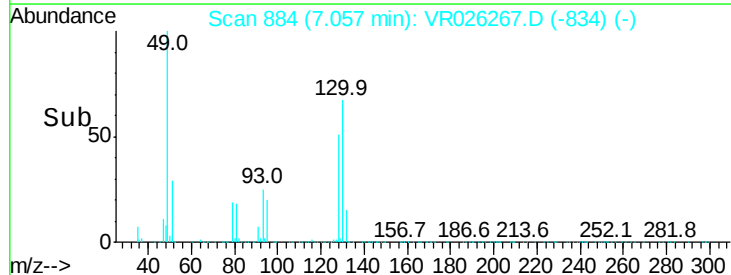
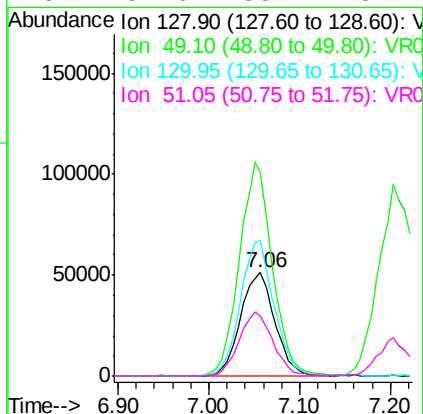
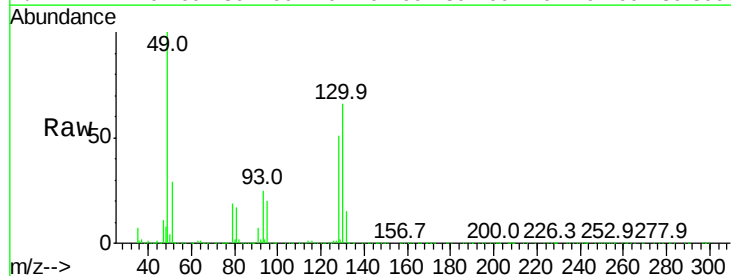
Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.5	96.3	178.9
68	0.0	0.0	0.0

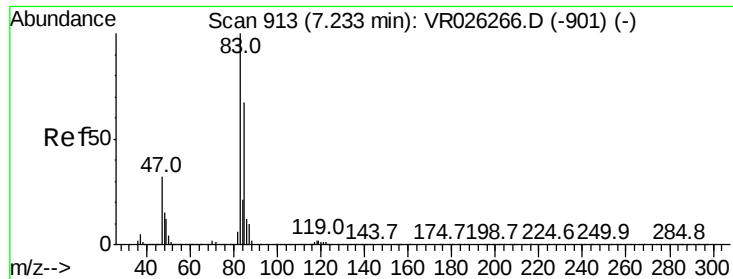


#23

Bromochloromethane
Concen: 9.315 ug/L
RT: 7.06 min Scan# 884
Delta R.T. 0.01 min
Lab File: VR026267.D
Acq: 17 Dec 2018 16:10

Tgt Ion	Ratio	Lower	Upper
128	100		
49	197.0	140.9	261.7
130	131.0	92.6	172.0
51	57.6	55.1	82.7

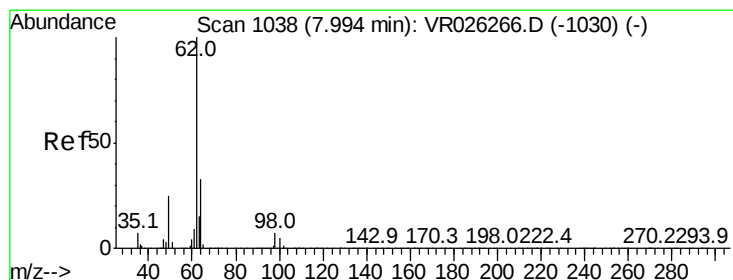
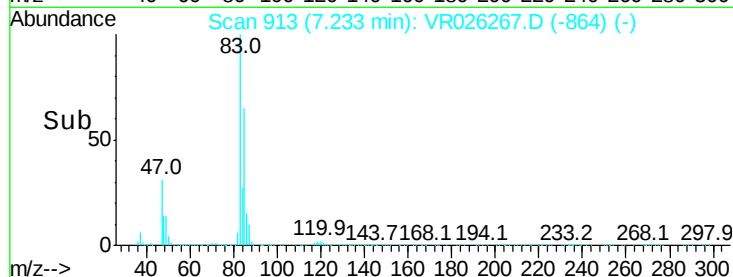
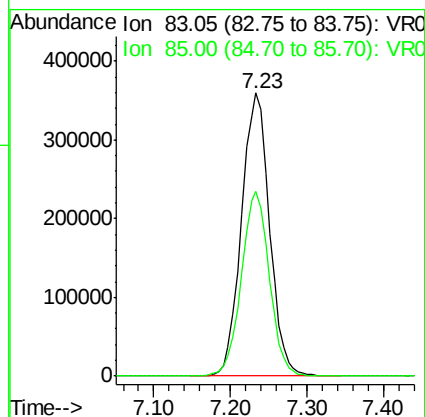
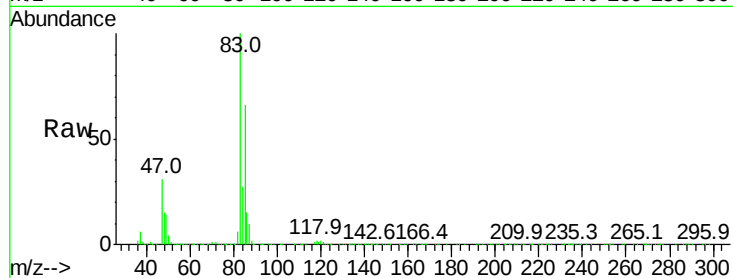




#25
Chloroform
Concen: 8.721 ug/L
RT: 7.23 min Scan# 913
Delta R.T. -0.00 min
Lab File: VR026267.D
Acq: 17 Dec 2018 16:10

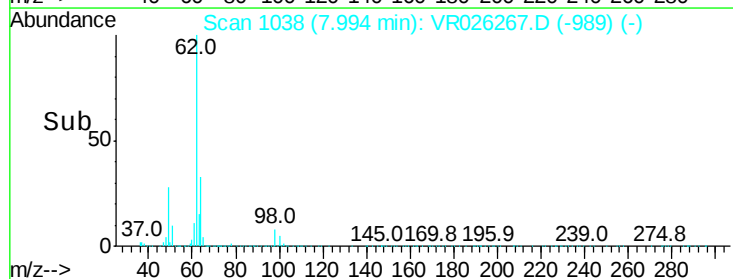
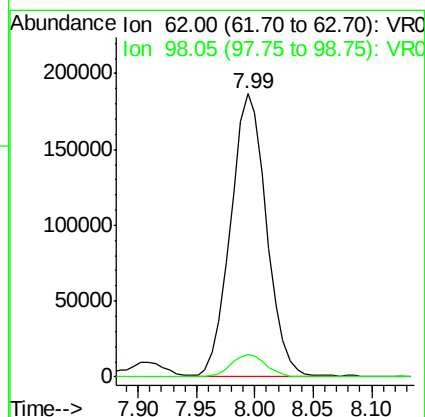
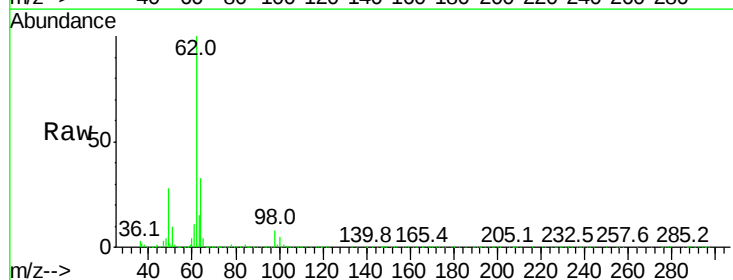
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

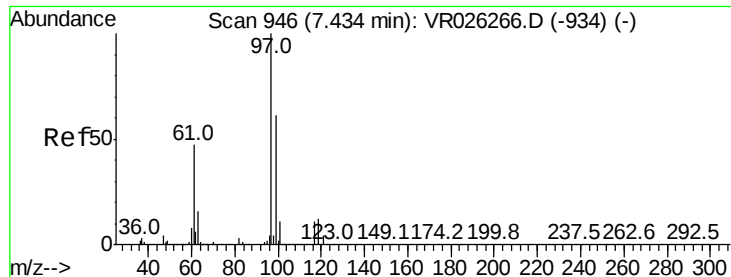
Tgt Ion: 83 Resp: 911977
Ion Ratio Lower Upper
83 100
85 65.5 47.0 87.4



#27
1,2-Dichloroethane
Concen: 9.232 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VR026267.D
Acq: 17 Dec 2018 16:10

Tgt Ion: 62 Resp: 396634
Ion Ratio Lower Upper
62 100
98 7.8 5.7 8.5





#29

1,1,1-Trichloroethane

Concen: 11.605 ug/L

RT: 7.43 min Scan# 946

Delta R.T. -0.00 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

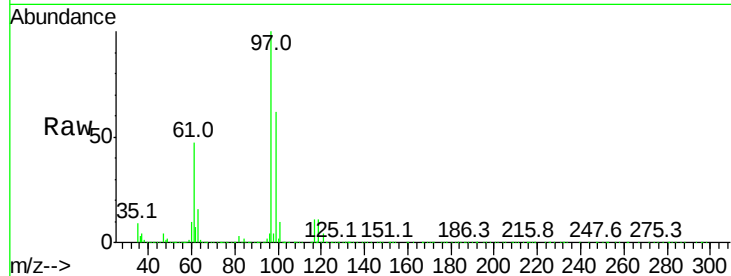
Tgt Ion: 97 Resp: 908134

Ion Ratio Lower Upper

97 100

99 64.2 50.2 75.4

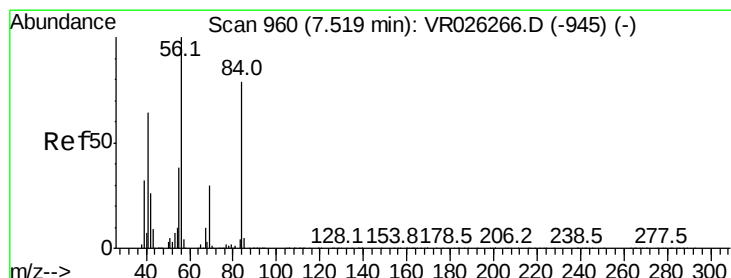
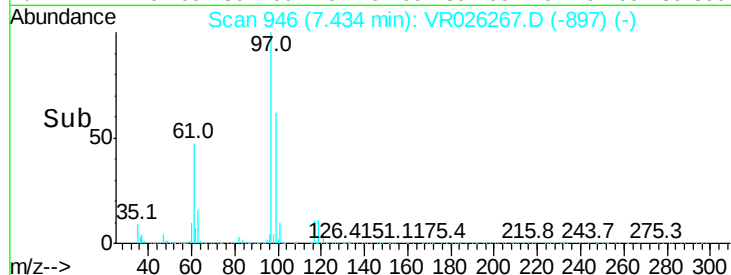
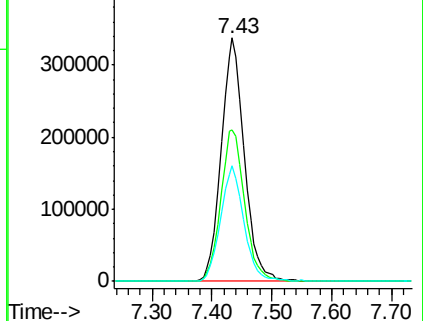
61 48.0 38.0 57.0



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: 13.967 ug/L

RT: 7.52 min Scan# 960

Delta R.T. -0.00 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

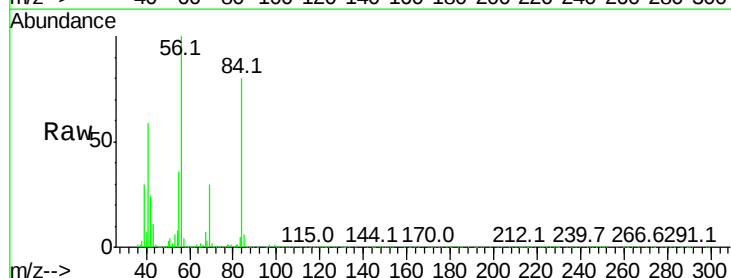
Tgt Ion: 56 Resp: 938768

Ion Ratio Lower Upper

56 100

69 29.6 24.0 36.0

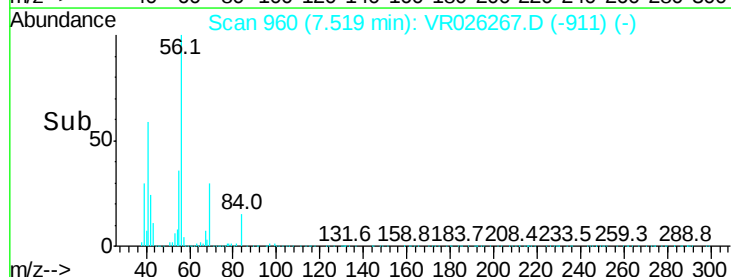
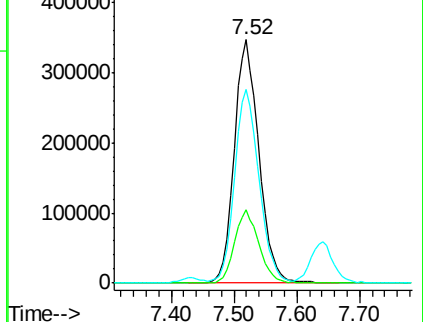
84 79.4 64.5 96.7

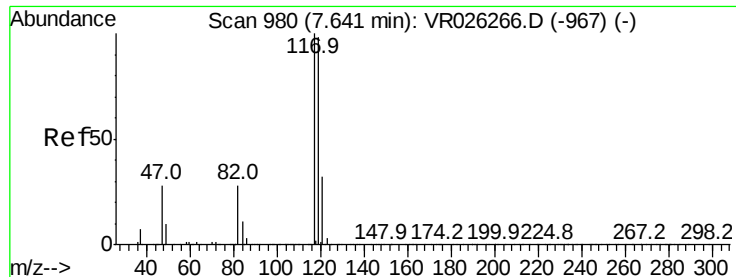


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 11.795 ug/L

RT: 7.64 min Scan# 980

Delta R.T. -0.00 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

Instrument :

MSVOA_R

ClientSampleId :

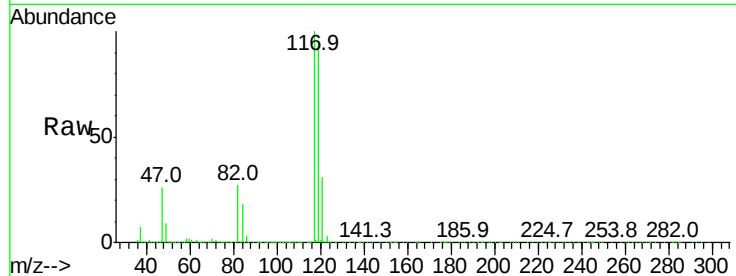
VSTD01084

Tgt Ion:117 Resp: 827268

Ion Ratio Lower Upper

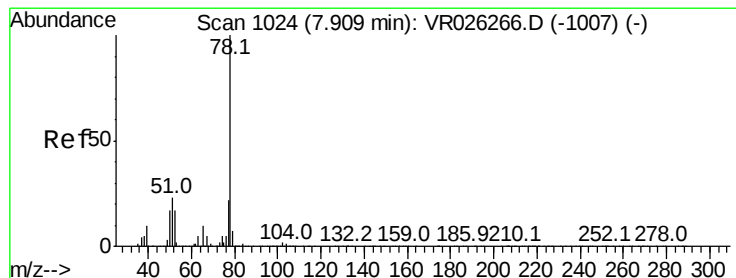
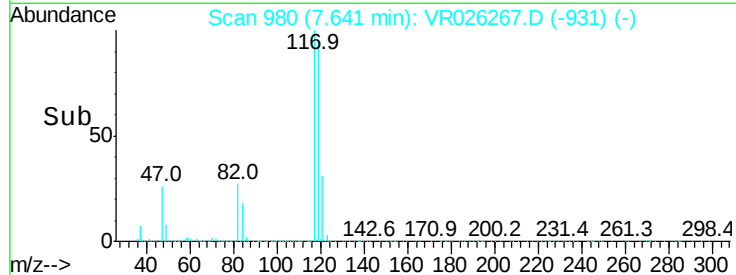
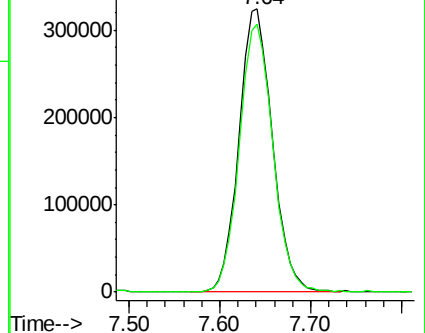
117 100

119 95.0 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.894 ug/L

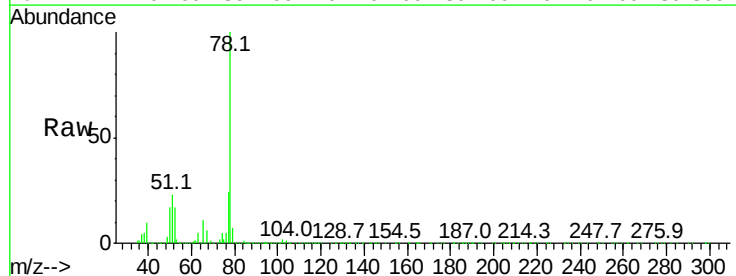
RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

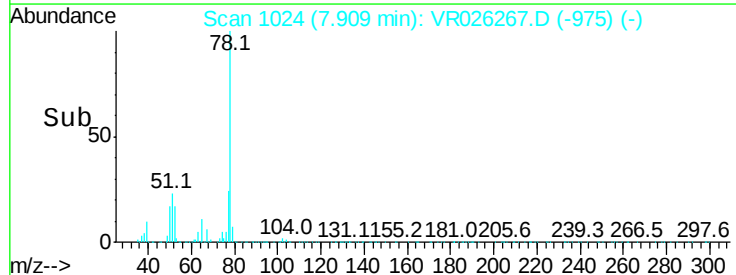
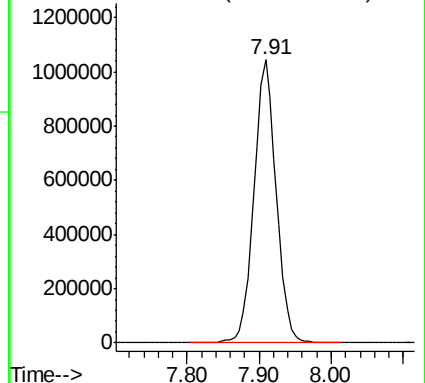
Lab File: VR026267.D

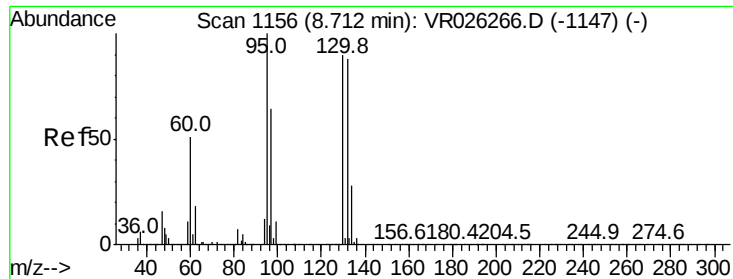
Acq: 17 Dec 2018 16:10

Tgt Ion: 78 Resp: 2230926



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 11.098 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

Tgt Ion: 95 Resp: 590773

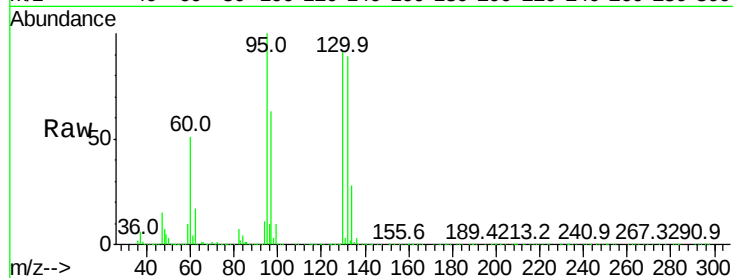
Ion Ratio Lower Upper

95 100

97 62.8 44.8 83.2

132 88.8 61.7 114.5

130 91.0 63.3 117.5

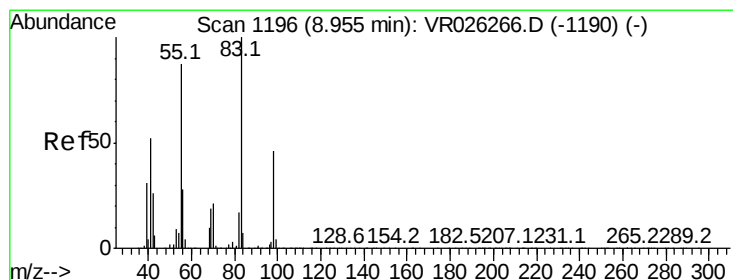
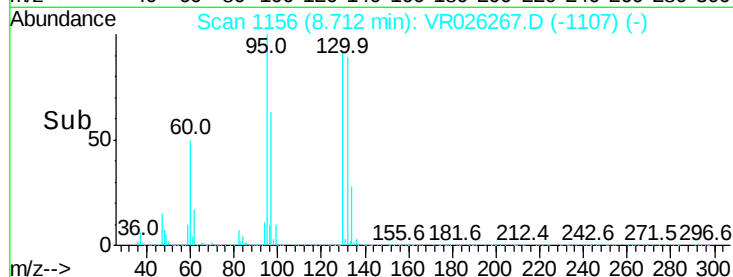
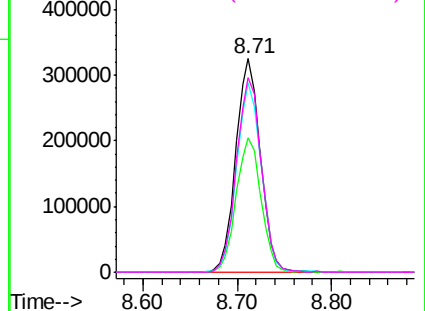


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 13.292 ug/L

RT: 8.96 min Scan# 1197

Delta R.T. 0.01 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

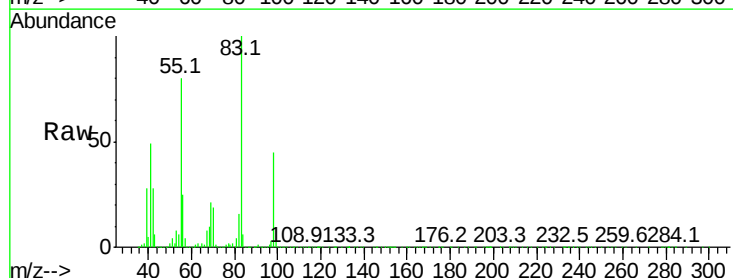
Tgt Ion: 83 Resp: 955228

Ion Ratio Lower Upper

83 100

55 84.1 66.6 99.8

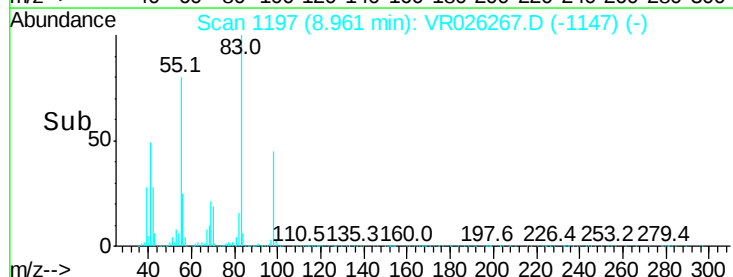
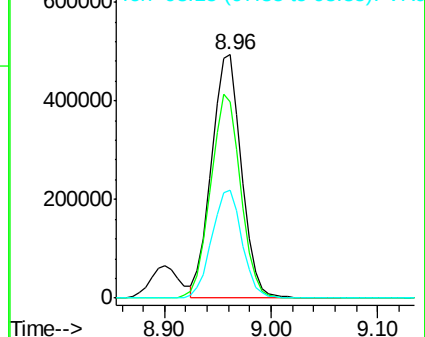
98 45.2 35.5 53.3

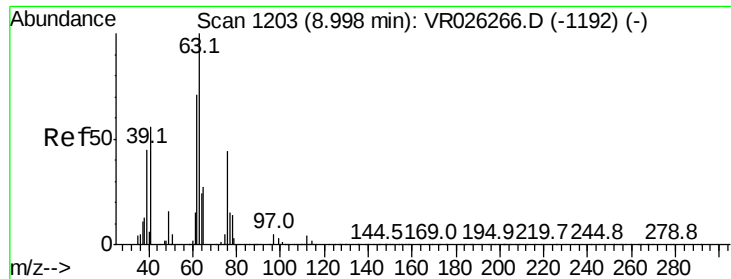


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

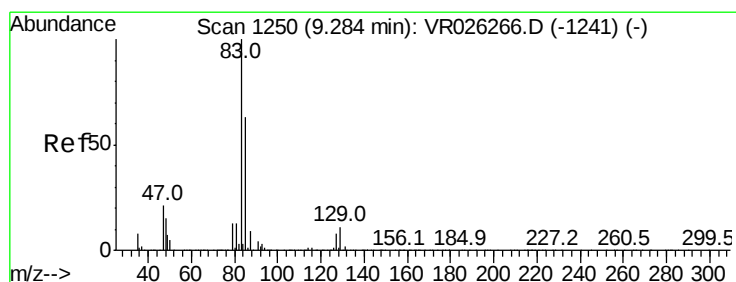
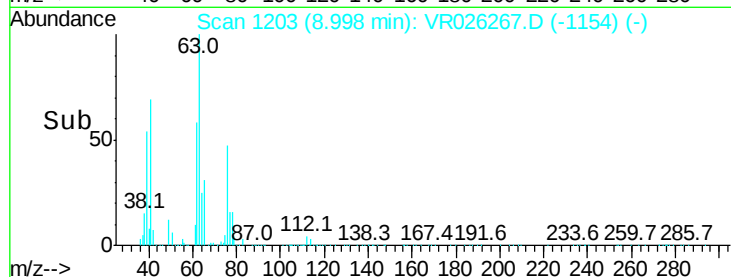
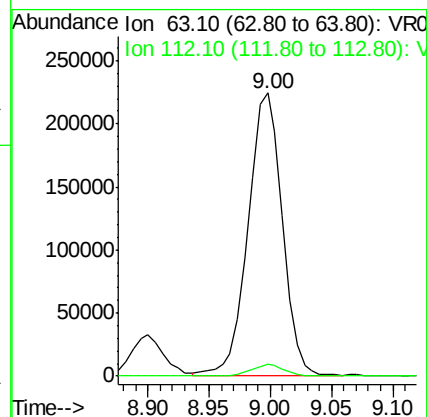
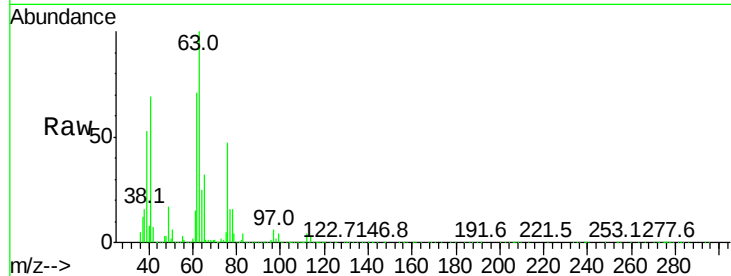




#37
 1,2-Dichloropropane
 Concen: 10.167 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VR026267.D
 Acq: 17 Dec 2018 16:10

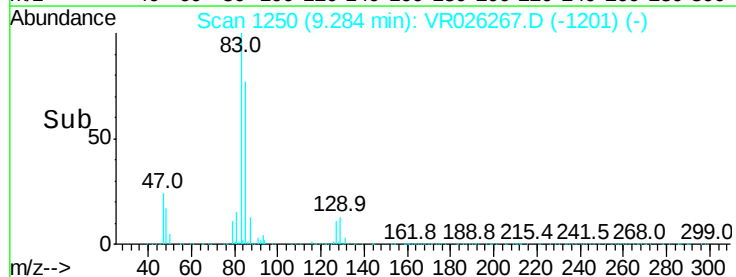
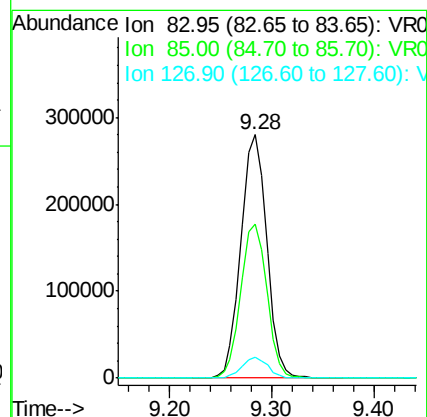
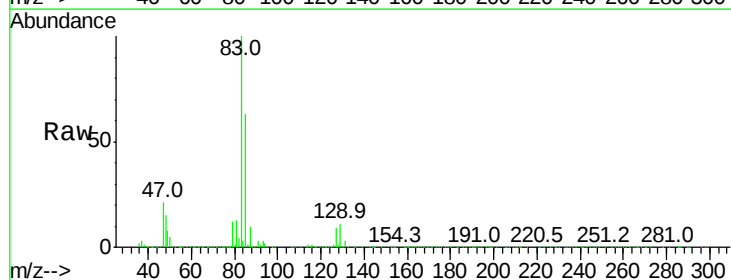
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

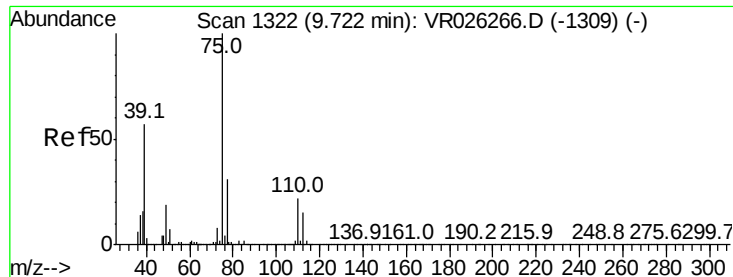
Tgt Ion: 63 Resp: 435173
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.6



#38
 Bromodichloromethane
 Concen: 9.729 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VR026267.D
 Acq: 17 Dec 2018 16:10

Tgt Ion: 83 Resp: 491904
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.0 81.6
 127 8.7 6.6 9.8

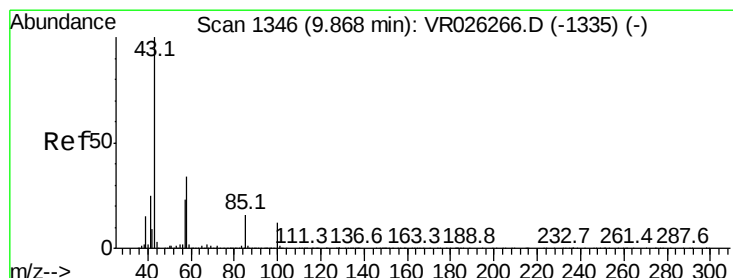
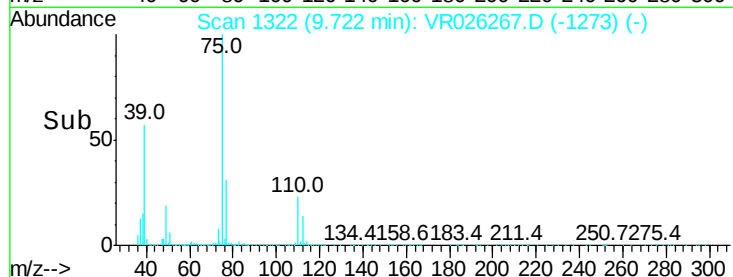
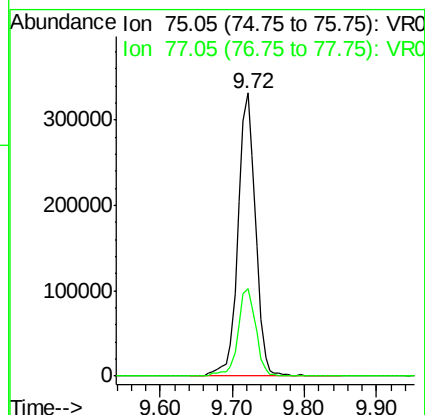
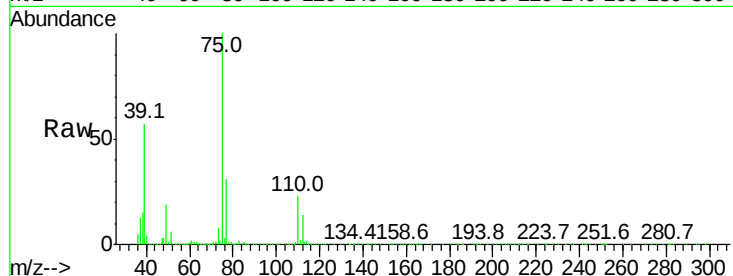




#39
 cis-1,3-Dichloropropene
 Concen: 11.639 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VR026267.D
 Acq: 17 Dec 2018 16:10

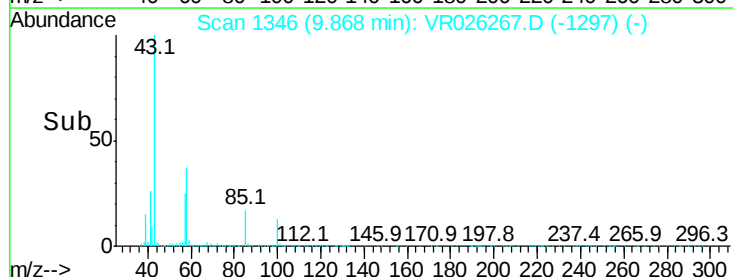
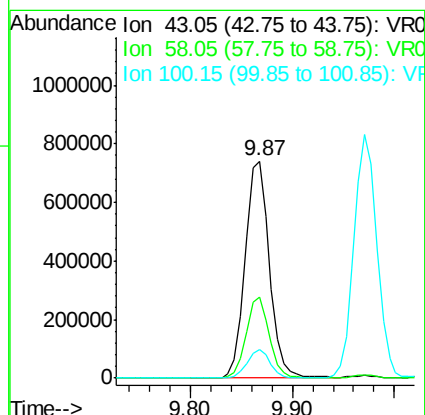
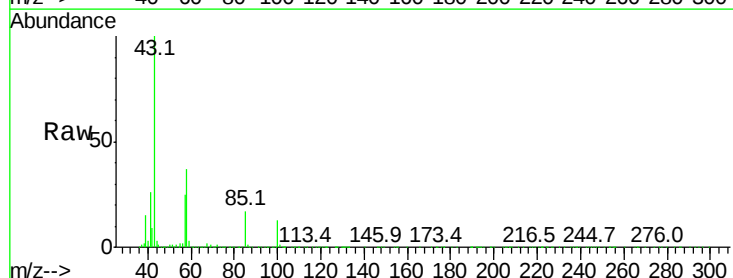
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

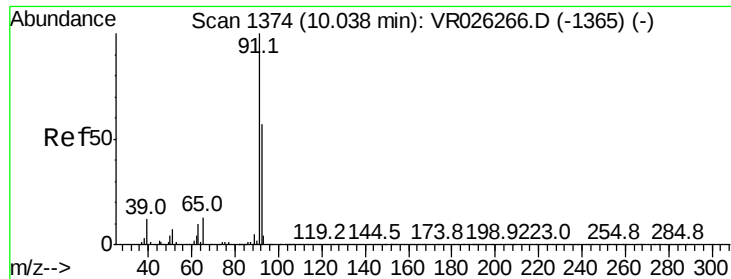
Tgt Ion: 75 Resp: 559928
 Ion Ratio Lower Upper
 75 100
 77 30.8 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 99.504 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VR026267.D
 Acq: 17 Dec 2018 16:10

Tgt Ion: 43 Resp: 1218872
 Ion Ratio Lower Upper
 43 100
 58 35.7 28.0 42.0
 100 12.6 9.8 14.6





#42

Toluene

Concen: 10.813 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

Instrument :

MSVOA_R

ClientSampleId :

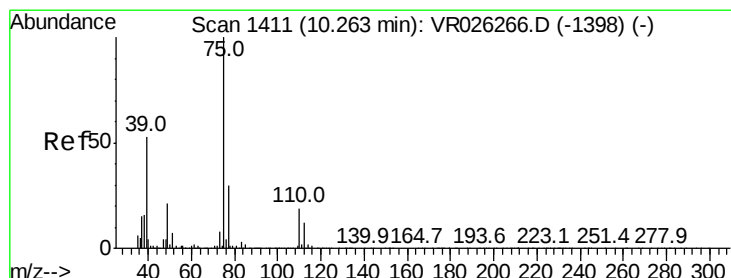
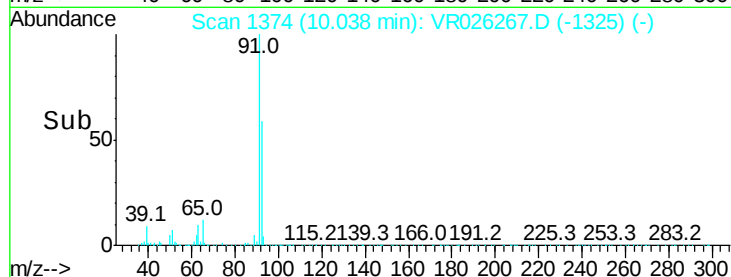
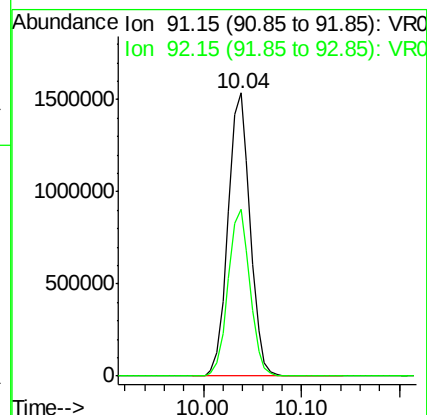
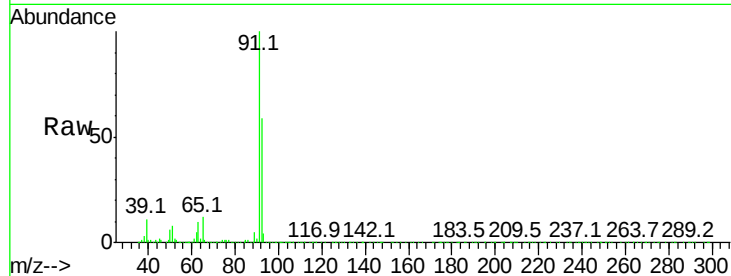
VSTD01084

Tgt Ion: 91 Resp: 2403009

Ion Ratio Lower Upper

91 100

92 58.9 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 12.082 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026267.D

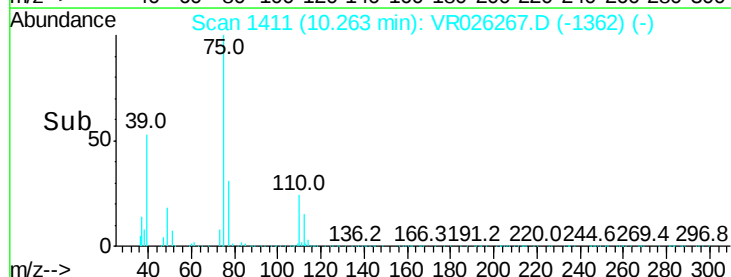
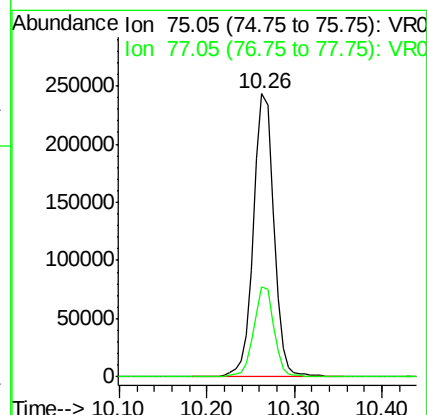
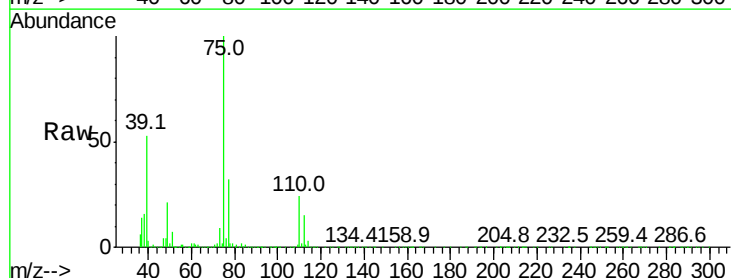
Acq: 17 Dec 2018 16:10

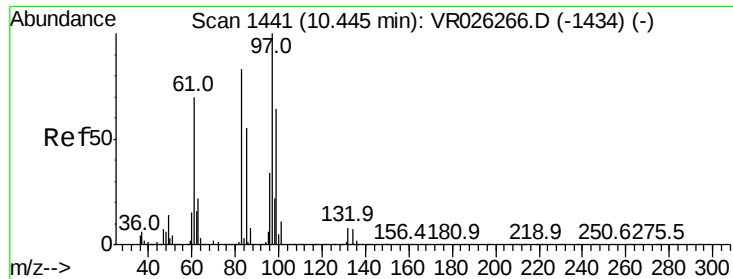
Tgt Ion: 75 Resp: 393673

Ion Ratio Lower Upper

75 100

77 31.9 21.2 39.4

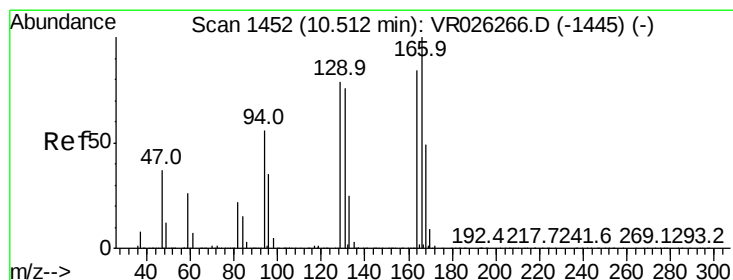
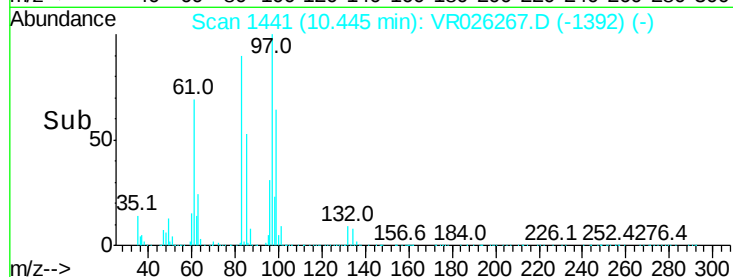
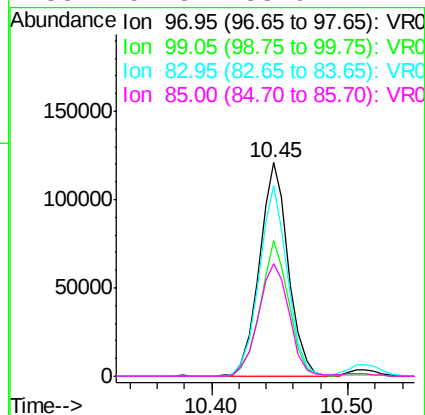
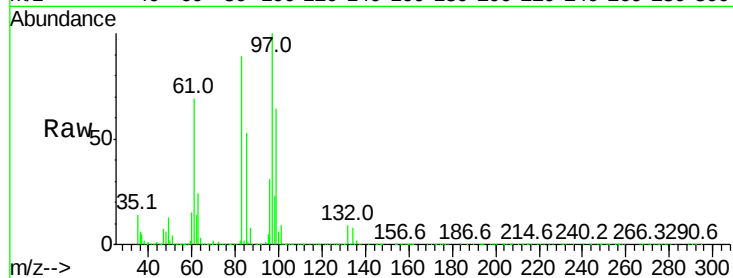




#45
 1,1,2-Trichloroethane
 Concen: 9.481 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026267.D
 Acq: 17 Dec 2018 16:10

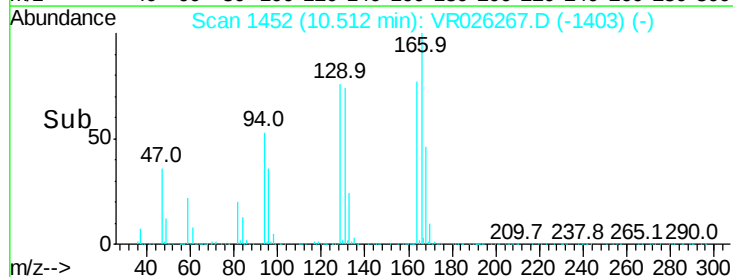
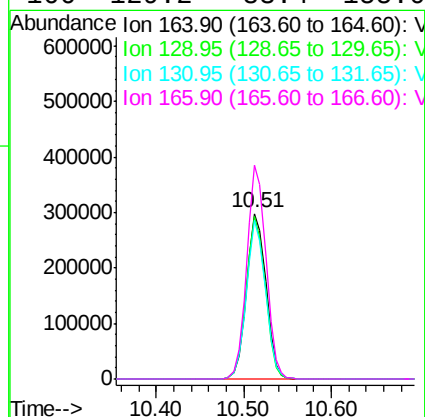
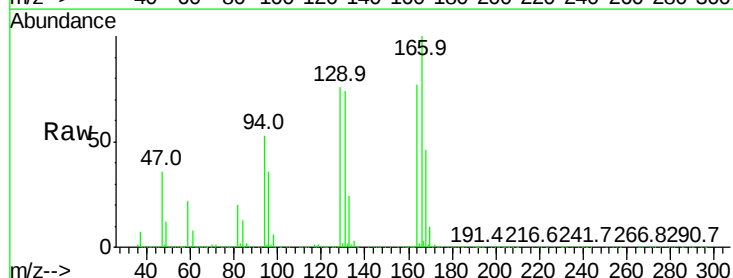
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

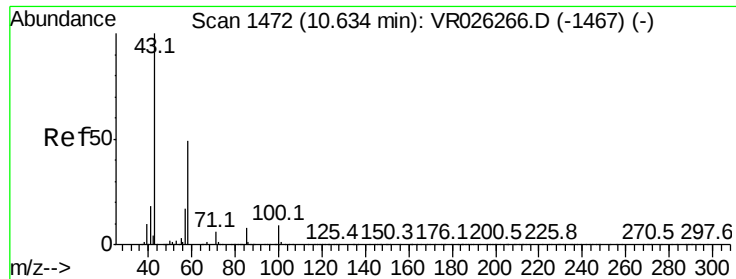
Tgt Ion:	97	Resp:	180428
Ion	Ratio	Lower	Upper
97	100		
99	63.7	45.0	83.6
83	89.5	57.9	107.5
85	52.8	38.9	72.2



#47
 Tetrachloroethene
 Concen: 11.902 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026267.D
 Acq: 17 Dec 2018 16:10

Tgt Ion:	164	Resp:	456688
Ion	Ratio	Lower	Upper
164	100		
129	98.6	65.7	122.1
131	96.1	63.7	118.3
166	129.2	83.4	155.0

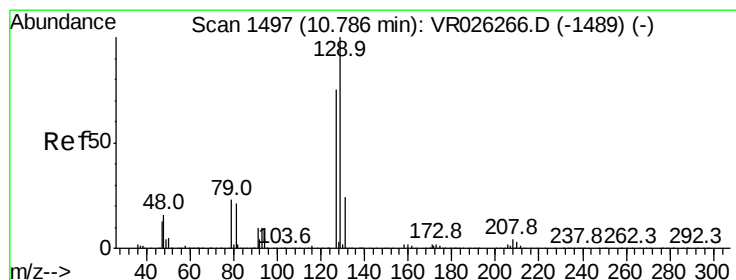
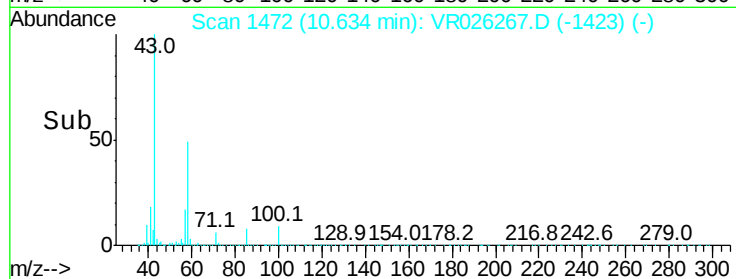
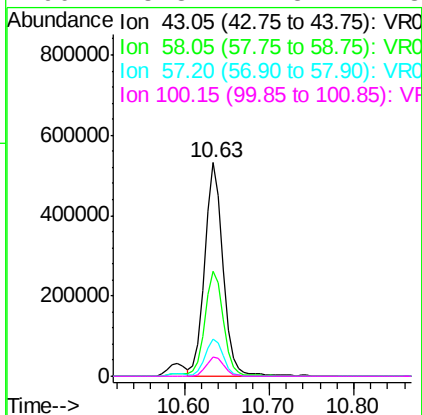
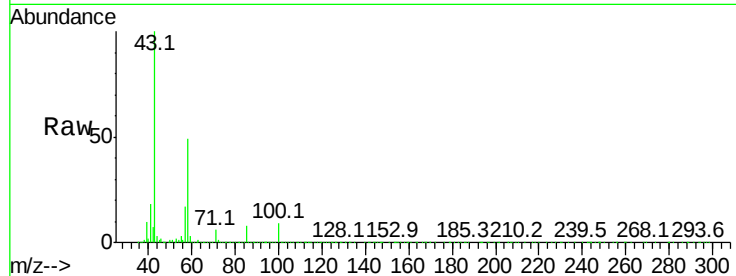




#48
2-Hexanone
Concen: 97.925 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026267.D
Acq: 17 Dec 2018 16:10

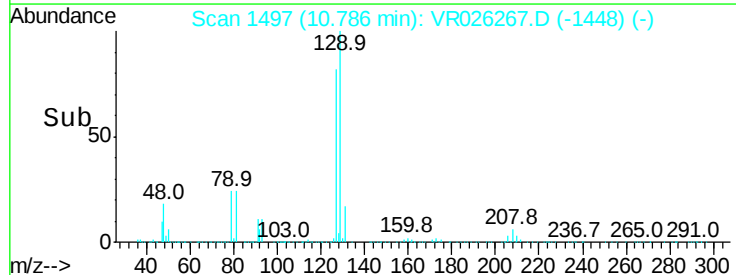
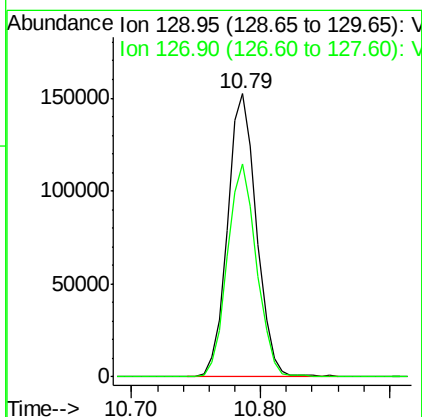
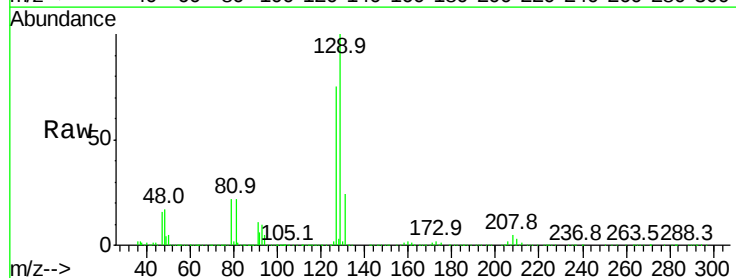
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

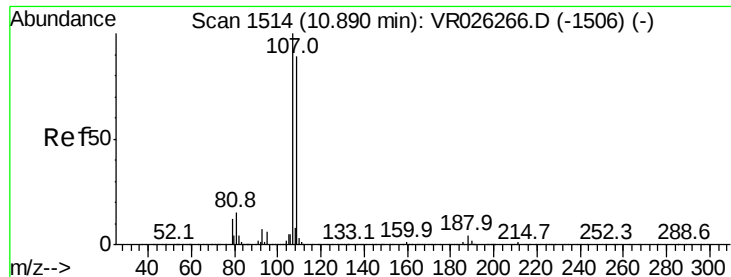
Tgt Ion:	43	Resp:	802829
Ion	Ratio	Lower	Upper
43	100		
58	51.2	40.5	60.7
57	17.2	14.2	21.4
100	8.8	7.5	11.3



#49
Dibromochloromethane
Concen: 10.477 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026267.D
Acq: 17 Dec 2018 16:10

Tgt Ion:	129	Resp:	239794
Ion	Ratio	Lower	Upper
129	100		
127	75.4	52.6	97.6

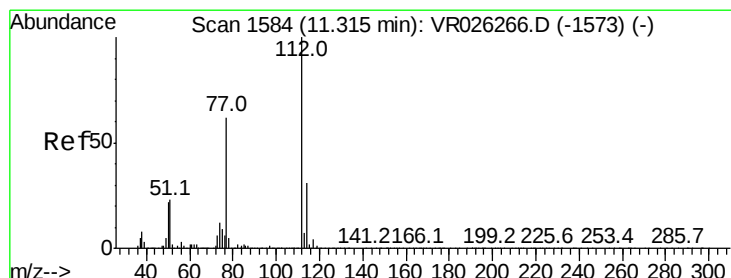
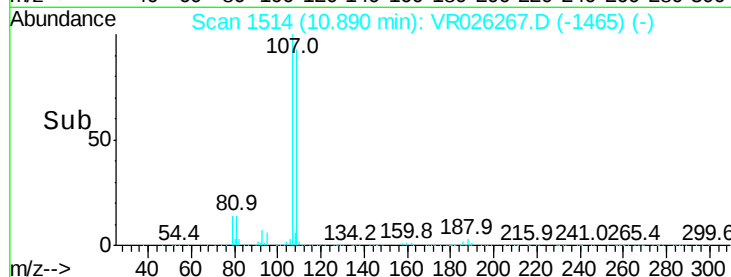
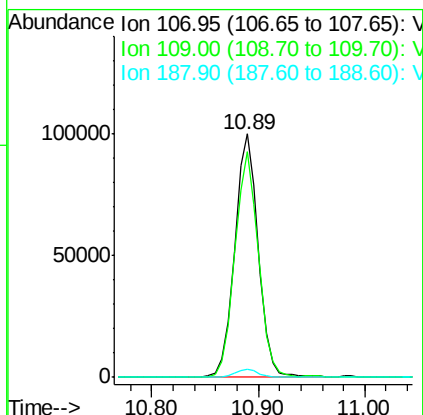
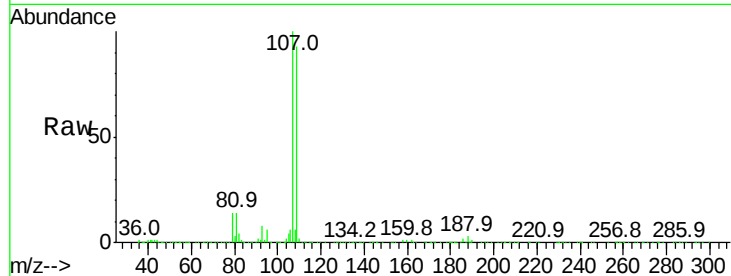




#50
1,2-Dibromoethane
Concen: 9.723 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026267.D
Acq: 17 Dec 2018 16:10

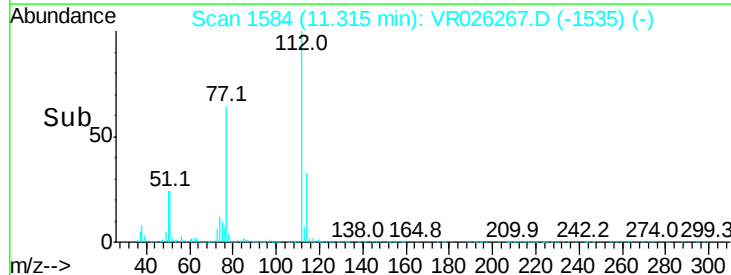
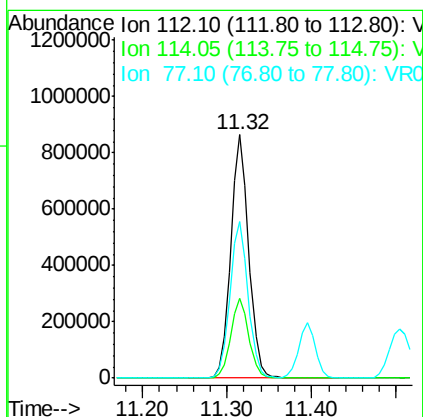
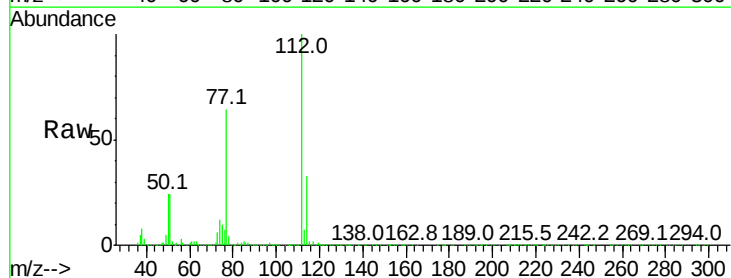
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

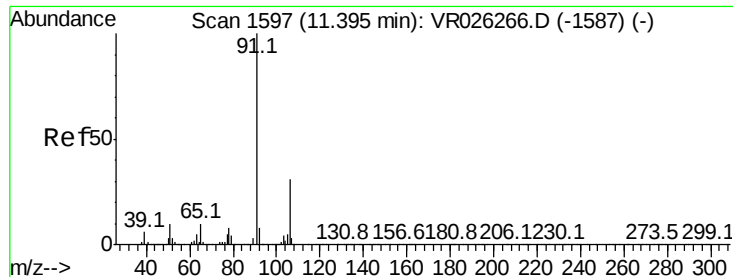
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.6	62.3	115.7
188	3.2	3.0	4.6



#51
Chlorobenzene
Concen: 10.121 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026267.D
Acq: 17 Dec 2018 16:10

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	21.7	40.3
77	64.3	49.4	74.2





#52

Ethylbenzene

Concen: 11.342 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

Instrument :

MSVOA_R

ClientSampleId :

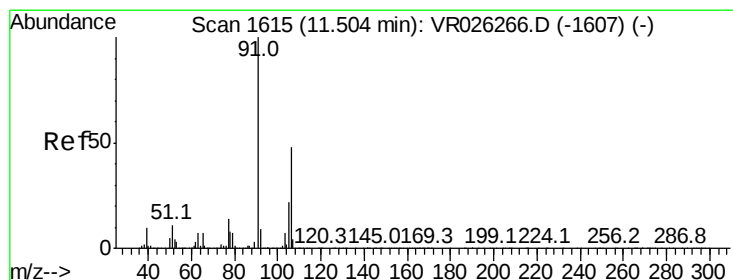
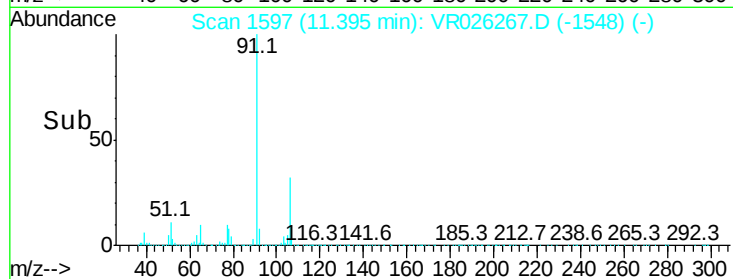
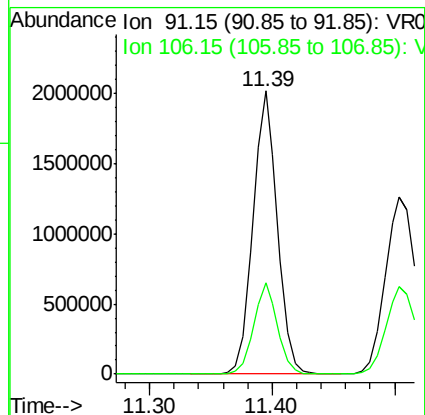
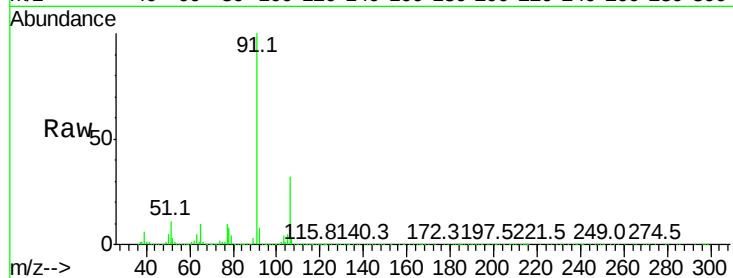
VSTD01084

Tgt Ion: 91 Resp: 2786677

Ion Ratio Lower Upper

91 100

106 32.2 21.4 39.8



#53

m,p-Xylene

Concen: 11.708 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026267.D

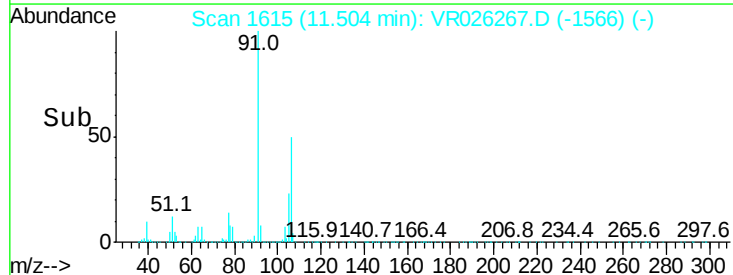
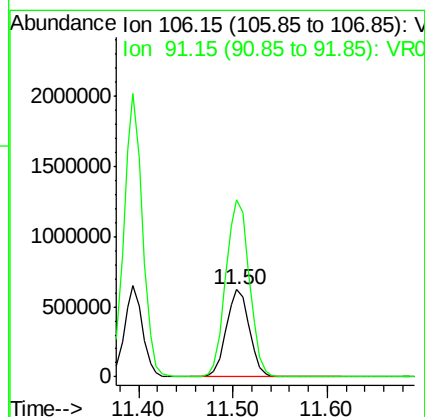
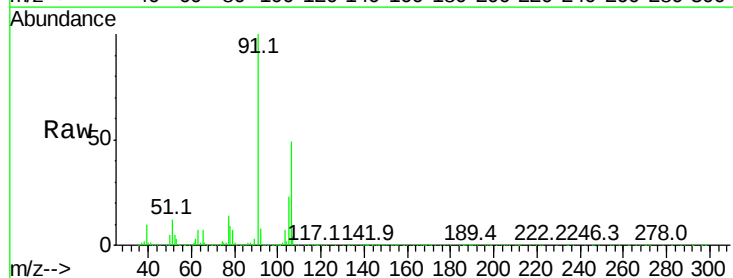
Acq: 17 Dec 2018 16:10

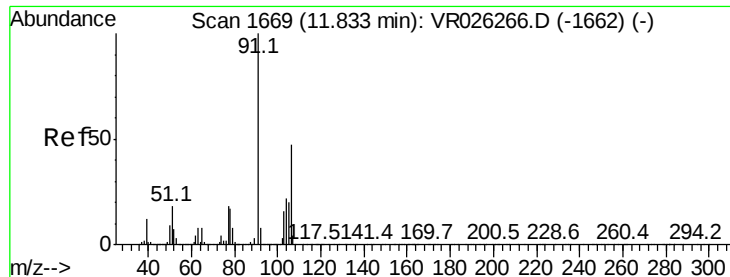
Tgt Ion: 106 Resp: 1046888

Ion Ratio Lower Upper

106 100

91 202.1 145.9 271.1

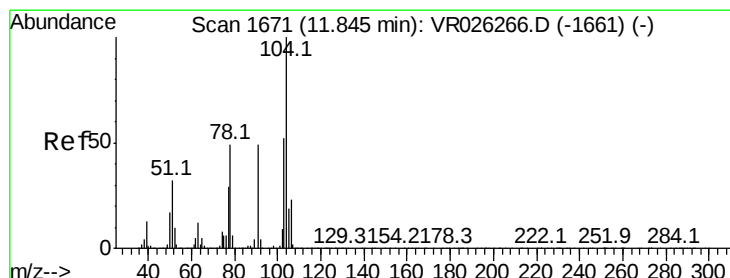
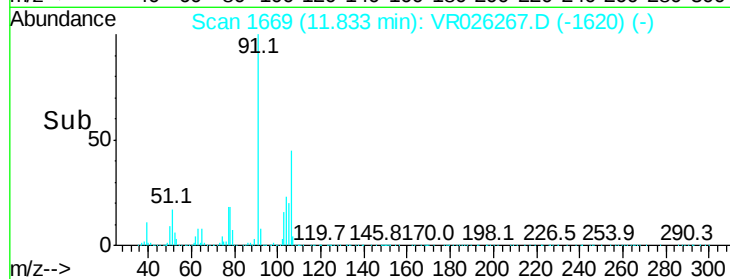
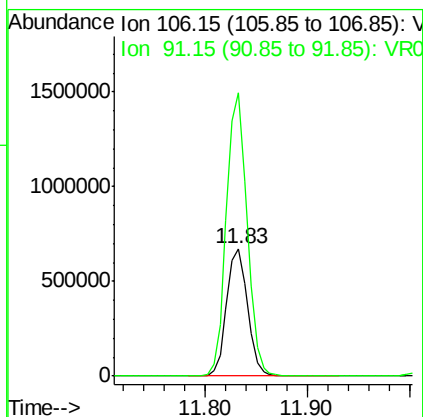
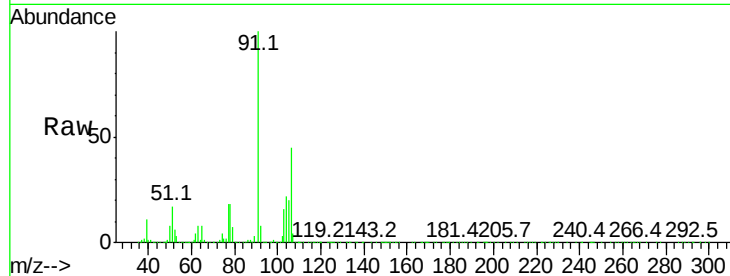




#54
o-Xylene
Concen: 11.785 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VR026267.D
Acq: 17 Dec 2018 16:10

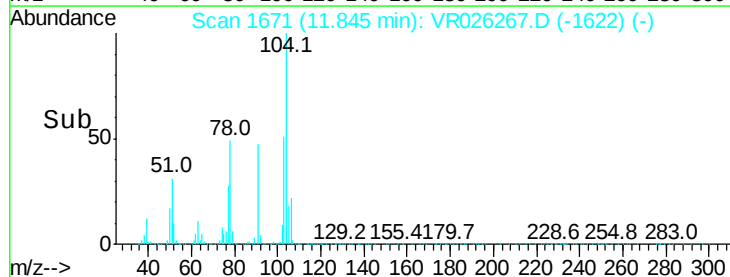
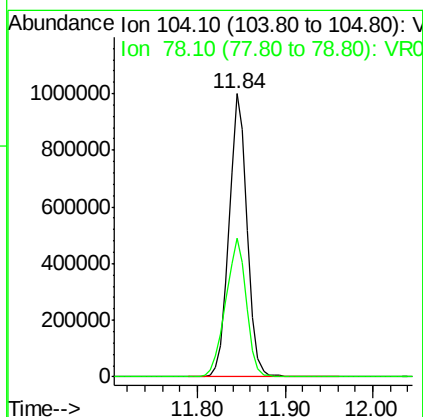
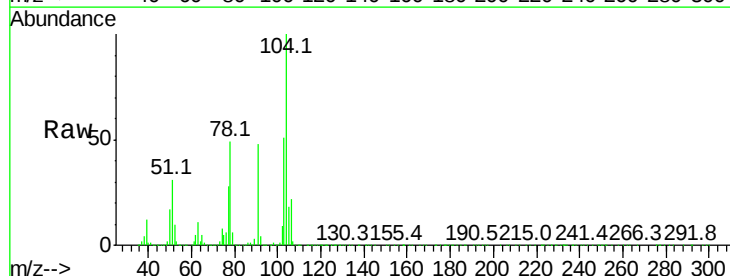
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

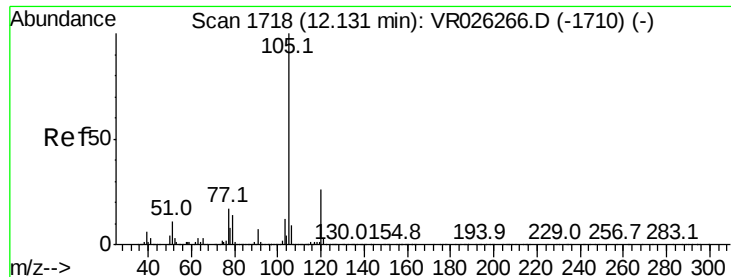
Tgt Ion:106 Resp: 954772
Ion Ratio Lower Upper
106 100
91 221.9 150.4 279.4



#55
Styrene
Concen: 11.094 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026267.D
Acq: 17 Dec 2018 16:10

Tgt Ion:104 Resp: 1431686
Ion Ratio Lower Upper
104 100
78 48.8 34.6 64.2





#56

Isopropylbenzene

Concen: 12.258 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

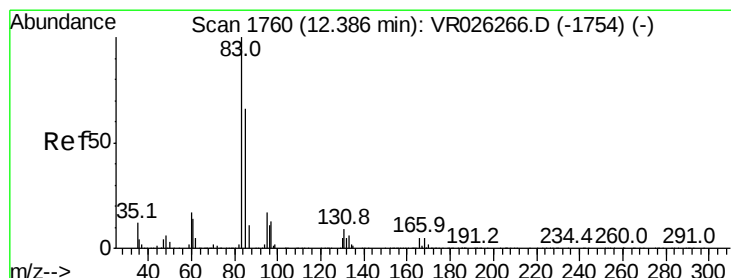
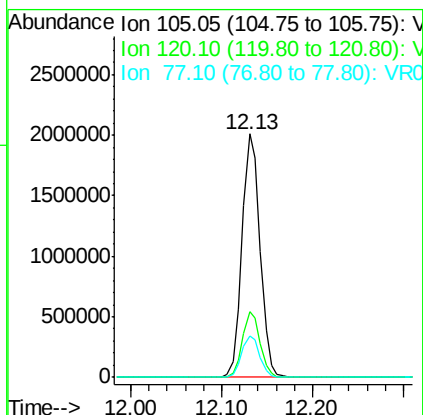
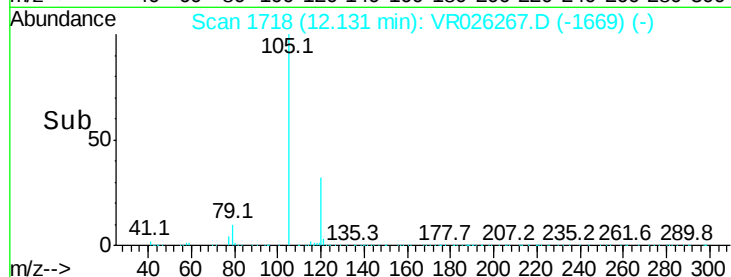
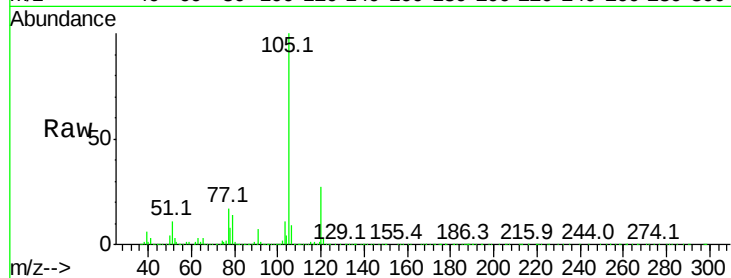
Tgt Ion:105 Resp: 2758880

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

77 17.3 13.6 20.4



#58

1,1,2,2-Tetrachloroethane

Concen: 8.902 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

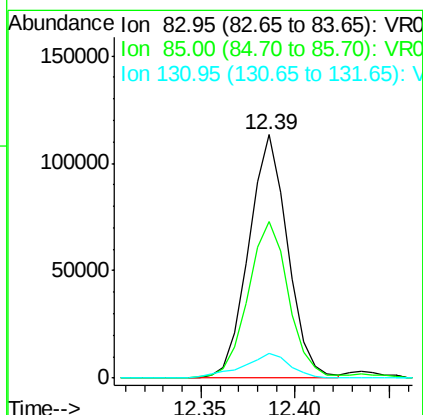
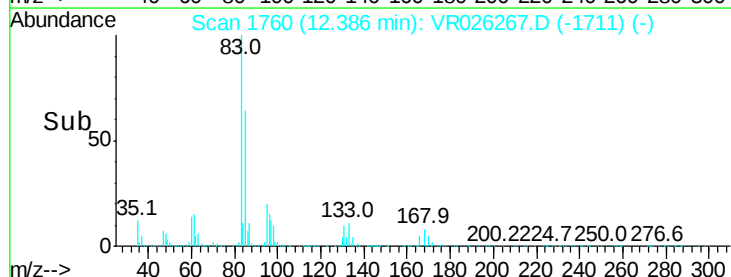
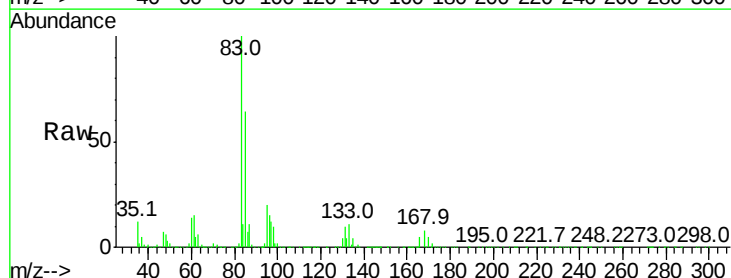
Tgt Ion: 83 Resp: 162106

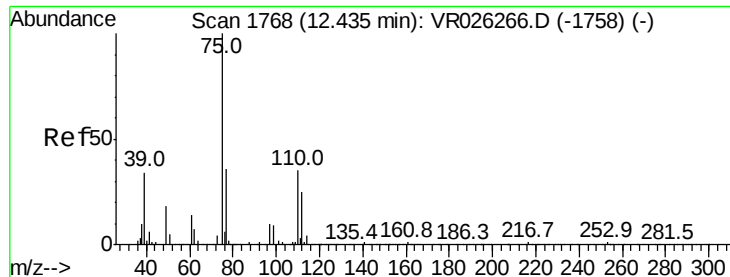
Ion Ratio Lower Upper

83 100

85 64.2 46.9 87.1

131 10.0 7.7 11.5





#59

1,2,3-Trichloropropane

Concen: 9.191 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

Instrument :

MSVOA_R

ClientSampleId :

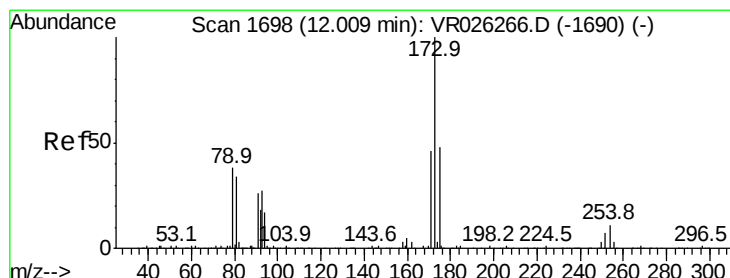
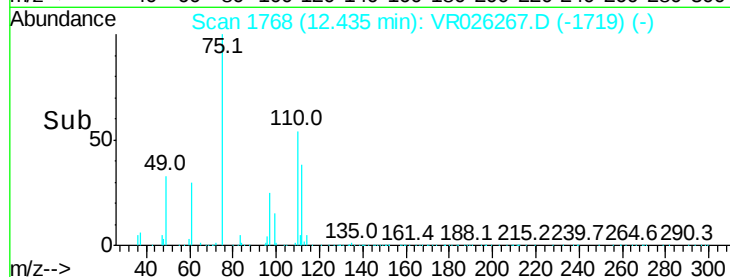
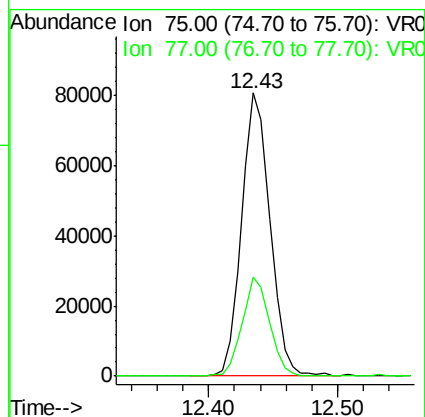
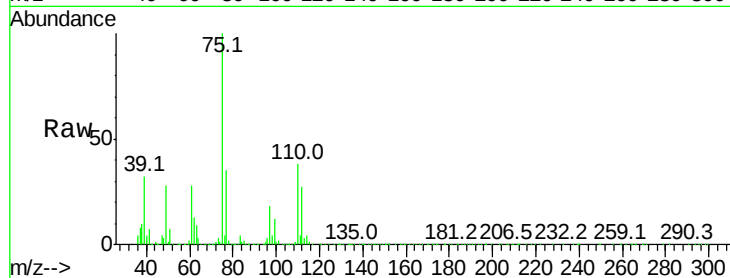
VSTD01084

Tgt Ion: 75 Resp: 122406

Ion Ratio Lower Upper

75 100

77 33.7 27.0 40.6



#61

Bromoform

Concen: 10.757 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

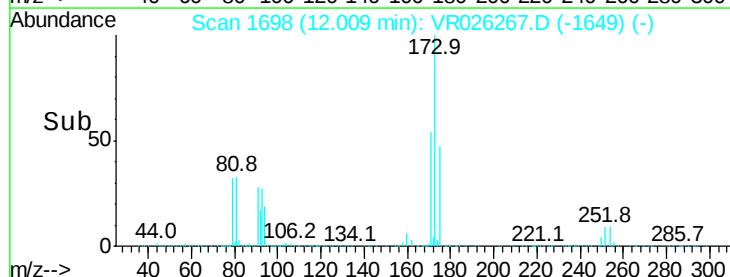
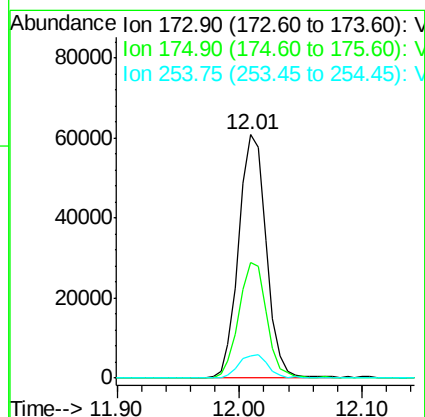
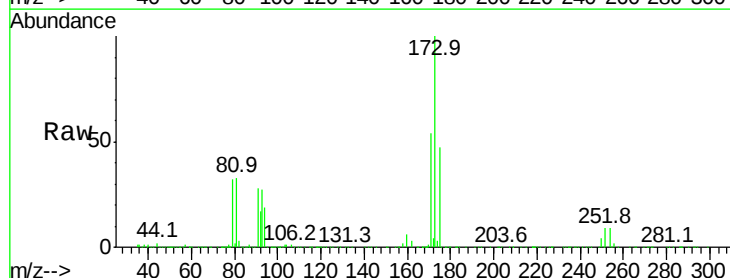
Tgt Ion: 173 Resp: 94906

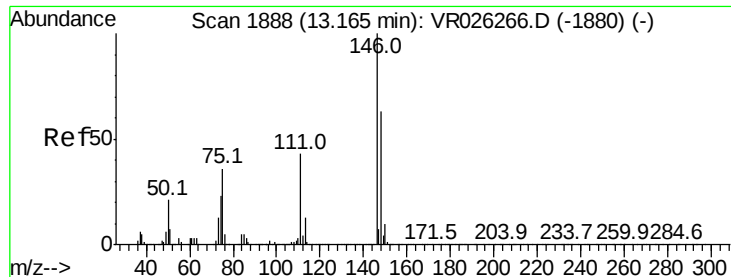
Ion Ratio Lower Upper

173 100

175 47.8 40.9 61.3

254 10.3 8.5 12.7

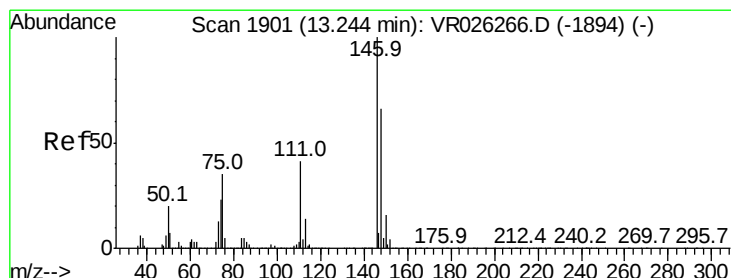
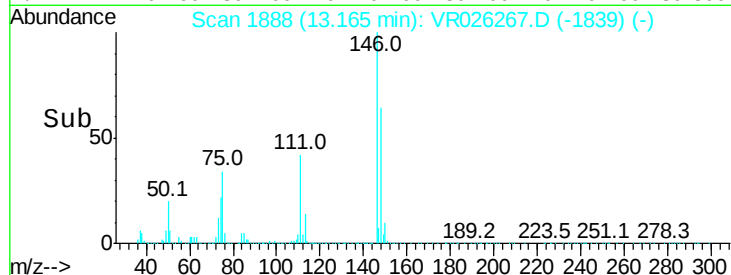
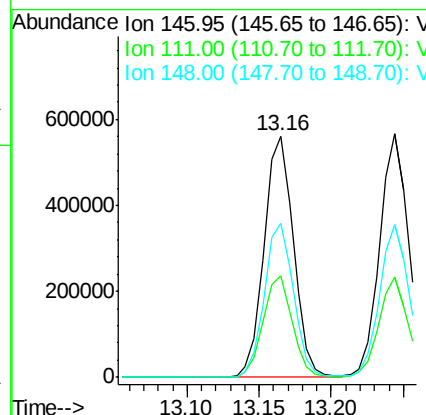
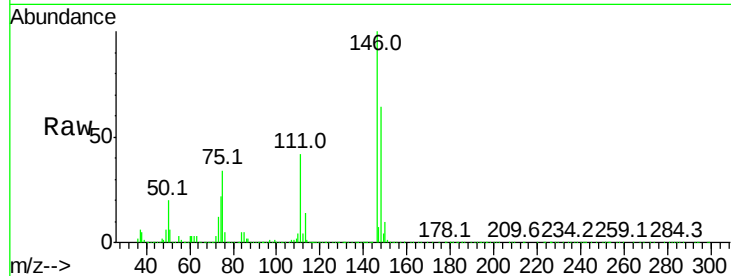




#62
 1,3-Dichlorobenzene
 Concen: 11.063 ug/L
 RT: 13.16 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VR026267.D
 Acq: 17 Dec 2018 16:10

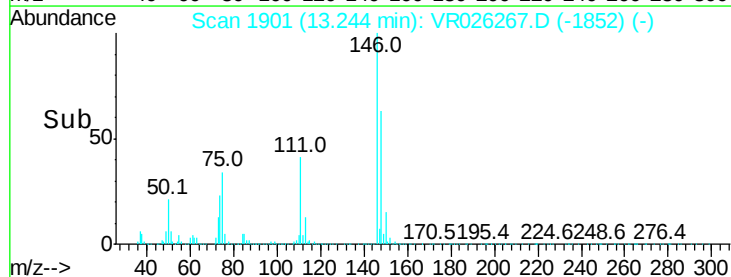
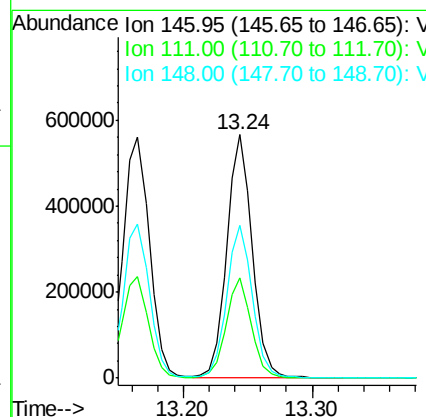
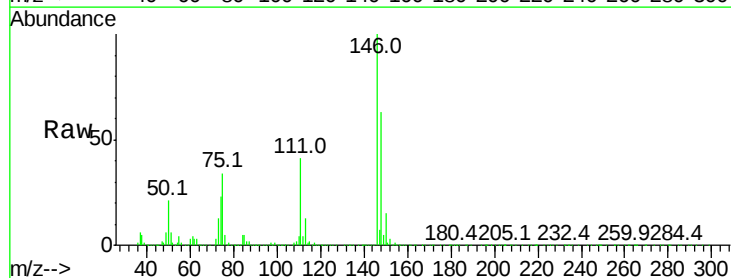
Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD01084

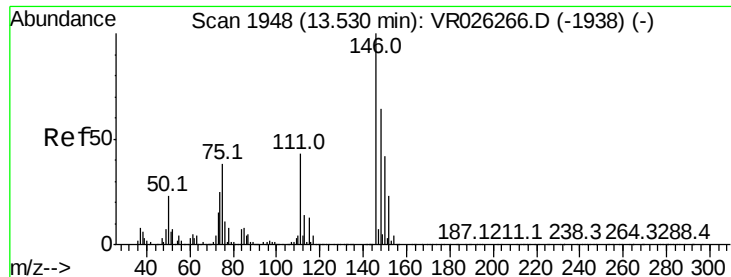
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	30.4	56.4
148	64.0	44.4	82.5



#63
 1,4-Dichlorobenzene
 Concen: 9.975 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VR026267.D
 Acq: 17 Dec 2018 16:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	29.0	53.9
148	62.8	46.7	86.7





#65

1,2-Dichlorobenzene

Concen: 10.377 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

Instrument :

MSVOA_R

ClientSampled :

VSTD01084

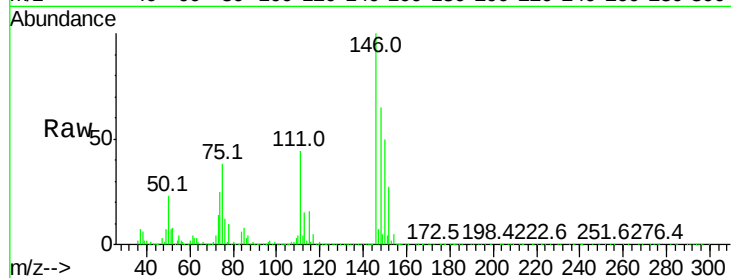
Tgt Ion:146 Resp: 610280

Ion Ratio Lower Upper

146 100

111 44.1 34.6 52.0

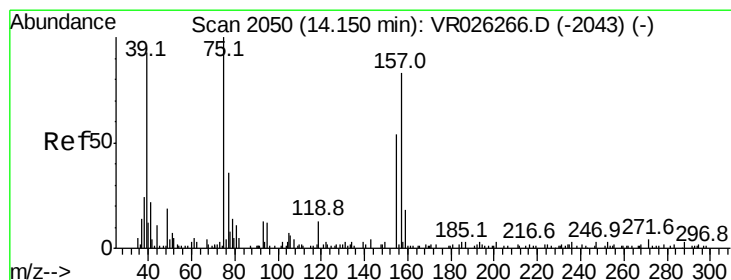
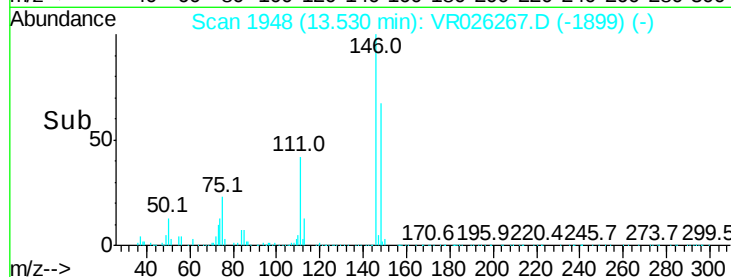
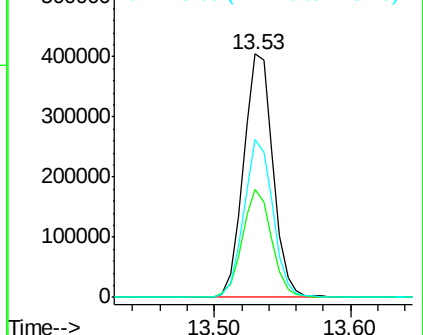
148 64.8 51.0 76.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 7.778 ug/L

RT: 14.15 min Scan# 2050

Delta R.T. 0.00 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

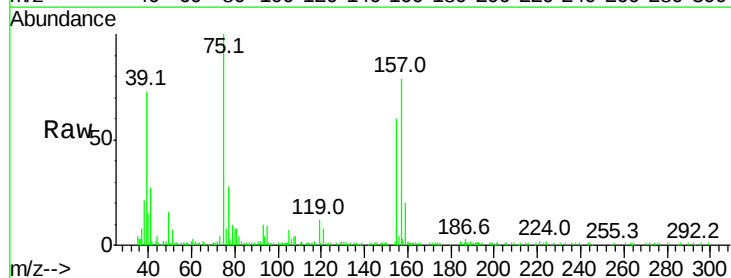
Tgt Ion: 75 Resp: 17062

Ion Ratio Lower Upper

75 100

155 59.9 44.4 66.6

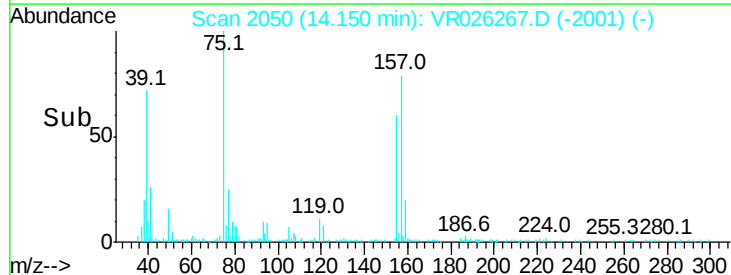
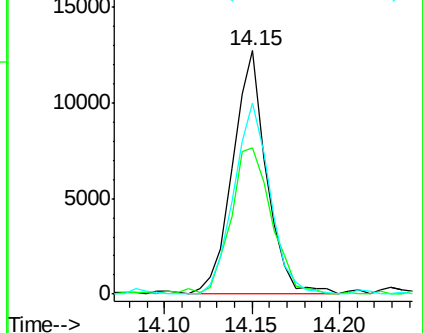
157 78.7 66.3 99.5

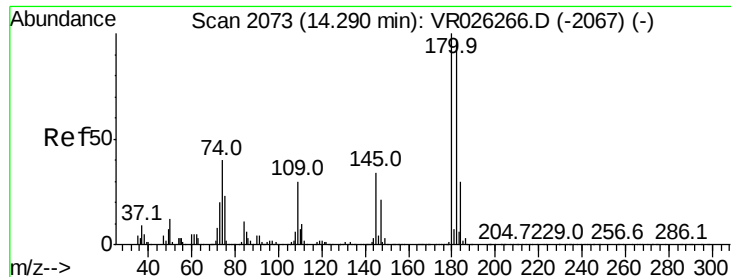


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

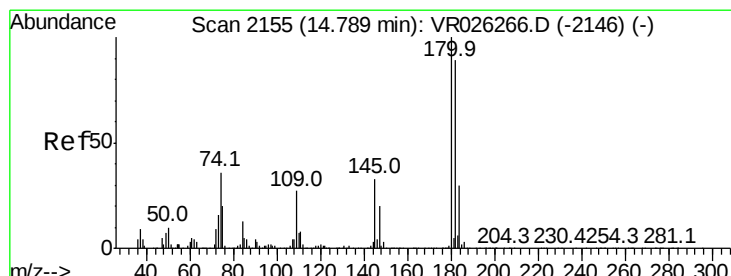
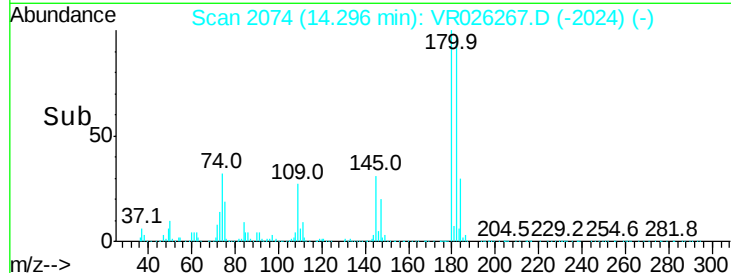
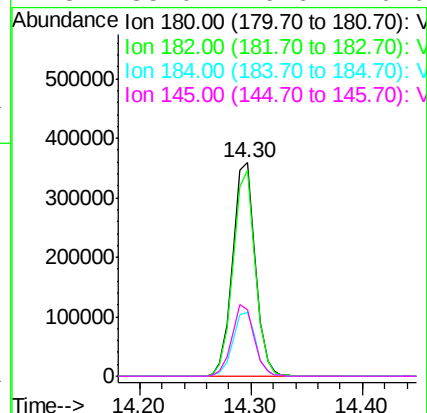
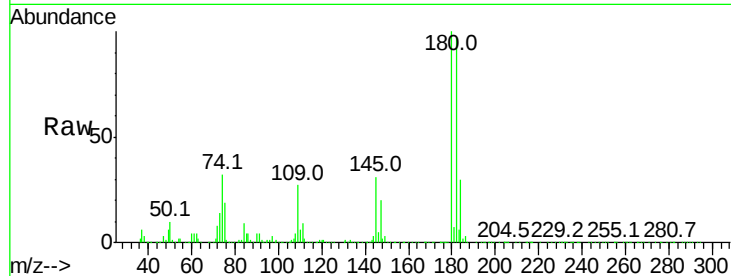




#67
 1,3,5-Trichlorobenzene
 Concen: 11.289 ug/L
 RT: 14.30 min Scan# 2074
 Delta R.T. 0.01 min
 Lab File: VR026267.D
 Acq: 17 Dec 2018 16:10

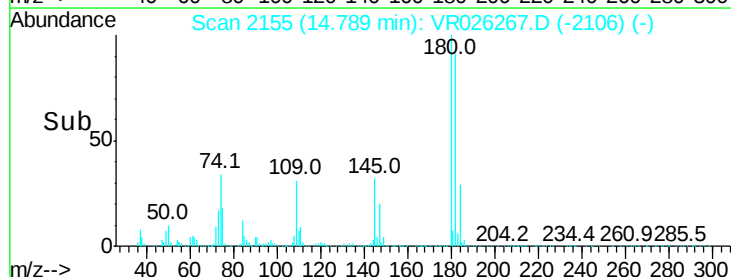
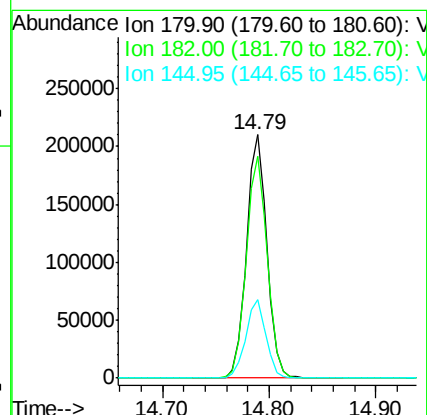
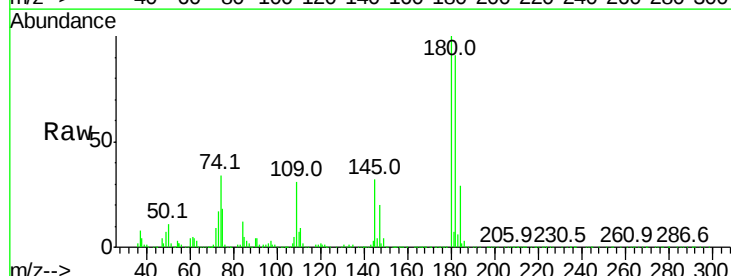
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

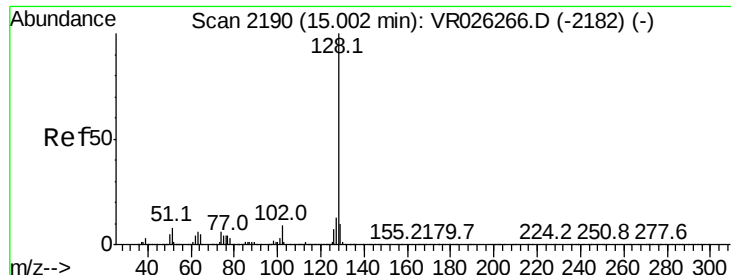
Tgt Ion:	180	Resp:	503062
Ion Ratio	Lower	Upper	
180	100		
182	94.7	77.3	115.9
184	30.5	24.4	36.6
145	33.0	26.6	40.0



#68
 1,2,4-trichlorobenzene
 Concen: 11.437 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VR026267.D
 Acq: 17 Dec 2018 16:10

Tgt Ion:	180	Resp:	282932
Ion Ratio	Lower	Upper	
180	100		
182	93.7	75.8	113.6
145	32.2	27.0	40.4





#69

Naphthalene

Concen: 11.441 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

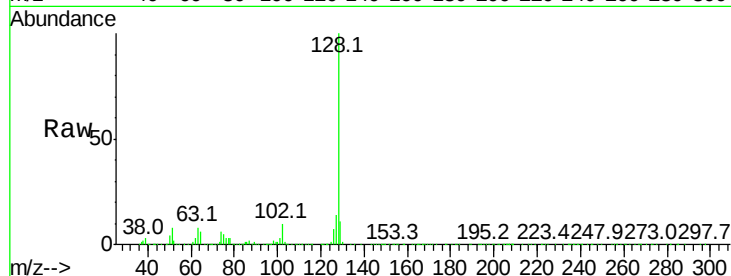
Tgt Ion:128 Resp: 276585

Ion Ratio Lower Upper

128 100

127 13.2 11.1 16.7

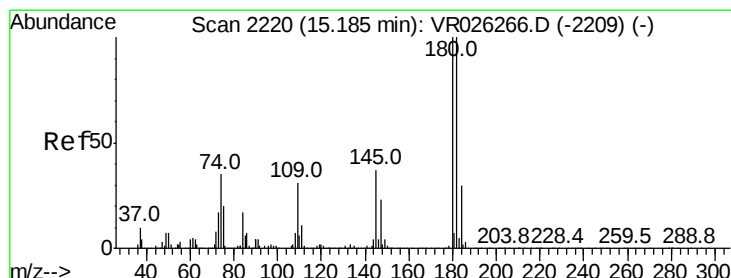
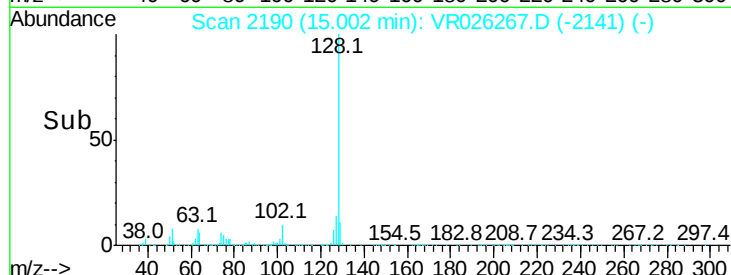
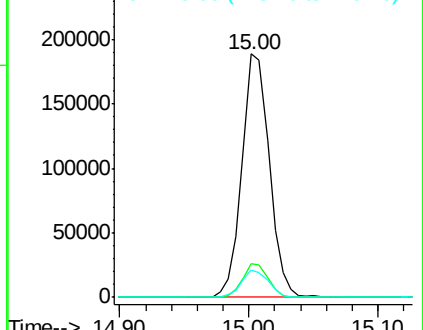
129 11.2 8.7 13.1



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: 10.574 ug/L

RT: 15.18 min Scan# 2220

Delta R.T. -0.00 min

Lab File: VR026267.D

Acq: 17 Dec 2018 16:10

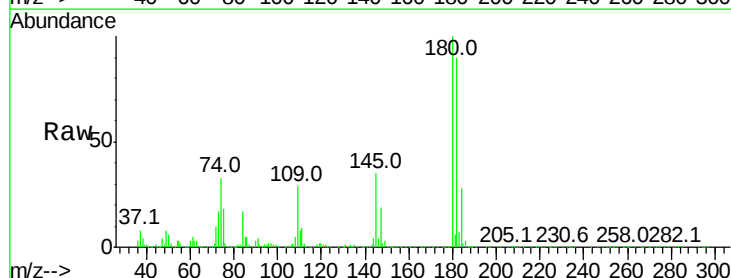
Tgt Ion:180 Resp: 194041

Ion Ratio Lower Upper

180 100

182 92.9 75.1 112.7

145 35.8 25.8 38.6



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

