

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR021119\
 Data File : VR026308.D
 Acq On : 11 Feb 2019 14:21
 Operator : SY/MD
 Sample : VSTD02085
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

Quant Time: Feb 14 04:48:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Feb 14 04:34:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	637853	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	547415	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	222328	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	1006113	17.30	ug/L	0.00
7) Chloroethane-d5	2.63	69	838811	17.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	2504585	17.91	ug/L	0.00
20) 2-Butanone-d5	6.58	46	877400	236.24	ug/L	0.00
24) Chloroform-d	7.20	84	1855368	19.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	704299	20.02	ug/L	0.00
32) Benzene-d6	7.85	84	3913061	20.94	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	952741	19.90	ug/L	0.00
41) Toluene-d8	9.97	98	3819989	21.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	284941	22.09	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	778594	265.94	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	335653	18.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	757244	20.35	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	1042138	17.732 ug/L	97
3) Chloromethane	2.02	50	1191712	17.759 ug/L	97
5) Vinyl chloride	2.17	62	1187540	17.567 ug/L	97
6) Bromomethane	2.53	94	748889	17.224 ug/L	93
8) Chloroethane	2.66	64	712399	17.541 ug/L	97
9) Trichlorofluoromethane	2.93	101	870358	7.898 ug/L	# 35
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	1009734	17.438 ug/L	98
12) 1,1-Dichloroethene	3.62	96	1089910	17.885 ug/L	91
13) Acetone	3.69	43	695317	177.786 ug/L	99
14) Carbon disulfide	3.92	76	3654179	18.339 ug/L	99
15) Methyl Acetate	4.19	43	186407	17.364 ug/L	99
16) Methylene chloride	4.40	84	884450	17.141 ug/L	97
17) Methyl tert-butyl Ether	4.89	73	1196885	22.296 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	1105144	19.980 ug/L	96
19) 1,1-Dichloroethane	5.69	63	1873087	19.728 ug/L	99
21) 2-Butanone	6.68	43	1028344	232.262 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	1025272	22.981 ug/L	# 93
23) Bromochloromethane	7.04	128	272849	19.606 ug/L	96
25) Chloroform	7.23	83	1802765	19.546 ug/L	97
27) 1,2-Dichloroethane	7.99	62	778779	19.520 ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	1720891	19.097 ug/L	98
30) Cyclohexane	7.51	56	1712876	23.740 ug/L	100
31) Carbon tetrachloride	7.63	117	1549742	18.553 ug/L	98
33) Benzene	7.90	78	4470667	20.641 ug/L	100
34) Trichloroethene	8.71	95	1151469	20.618 ug/L	99
35) Methylcyclohexane	8.95	83	1789932	23.048 ug/L	97
37) 1,2-Dichloropropane	8.99	63	900818	19.261 ug/L	100
38) Bromodichloromethane	9.28	83	1022100	19.598 ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	1173163	24.378 ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	2578198	239.149 ug/L	97

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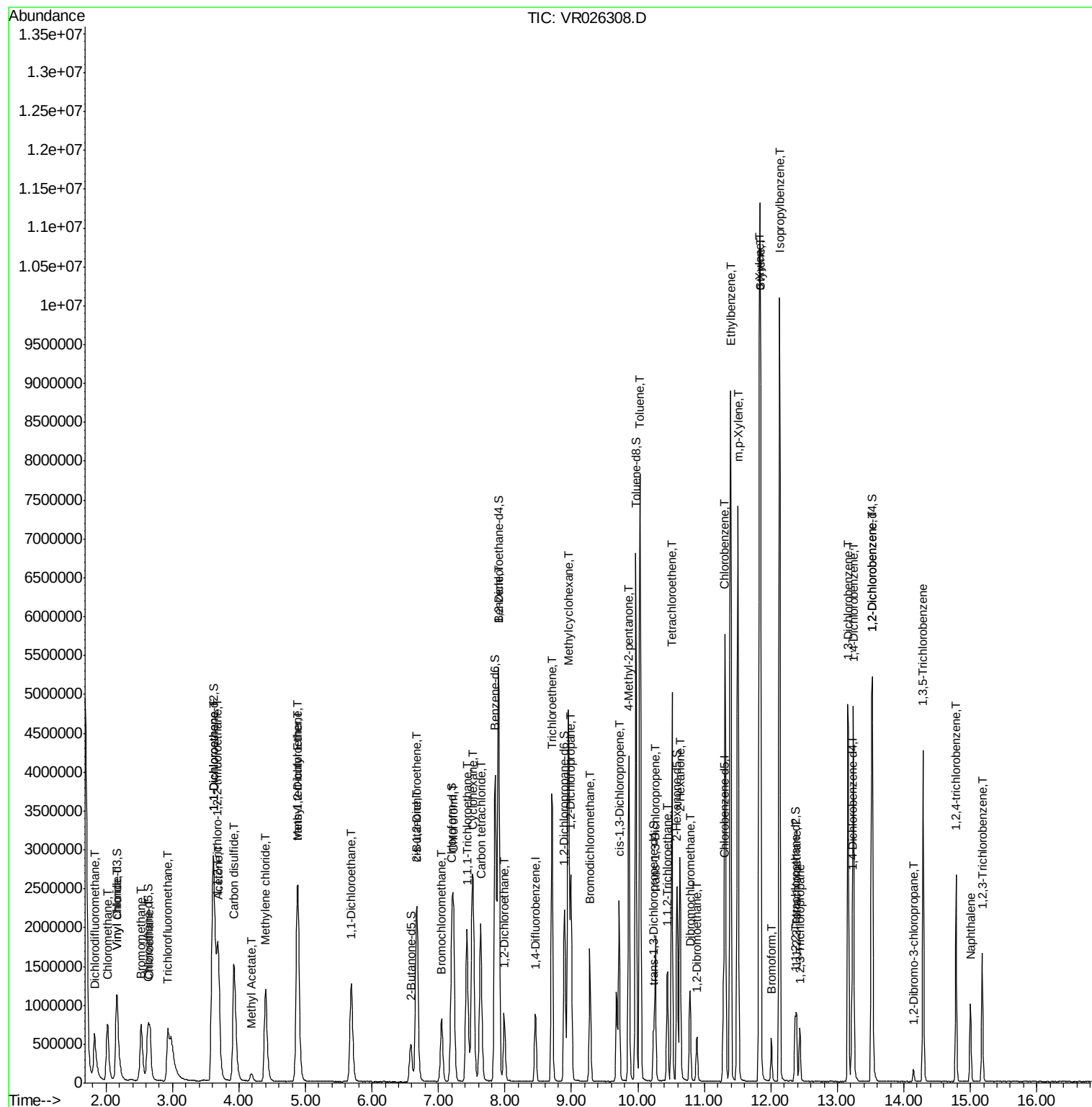
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	4728227	21.239	ug/L	94
44) trans-1,3-Dichloropropene	10.26	75	840113	23.532	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	376757	19.294	ug/L	98
47) Tetrachloroethene	10.51	164	913127	21.308	ug/L	94
48) 2-Hexanone	10.63	43	1696537	234.032	ug/L	99
49) Dibromochloromethane	10.79	129	516458	20.577	ug/L	96
50) 1,2-Dibromoethane	10.89	107	323551	20.837	ug/L #	90
51) Chlorobenzene	11.32	112	2556459	20.084	ug/L	98
52) Ethylbenzene	11.39	91	5323191	21.387	ug/L	93
53) m,p-Xylene	11.50	106	2099371	23.084	ug/L	92
54) o-Xylene	11.83	106	1997193	25.463	ug/L	83
55) Styrene	11.84	104	2979102	24.179	ug/L	99
56) Isopropylbenzene	12.13	105	5191274	23.281	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	340700	18.834	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	241904	18.555	ug/L	100
61) Bromoform	12.01	173	211409	19.308	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	1620364	22.313	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	1608254	19.399	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	1273454	20.464	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	37277	18.663	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	1061419	22.806	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	619511	24.664	ug/L	97
69) Naphthalene	15.00	128	647909	28.744	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	415192	22.901	ug/L	98

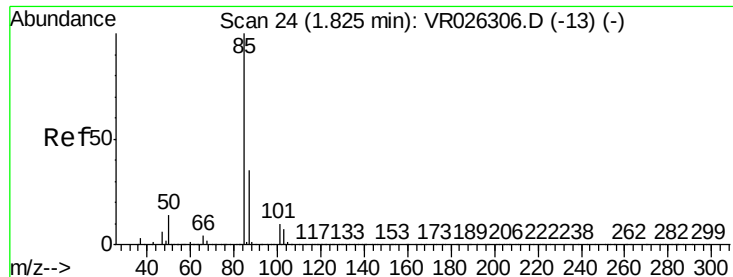
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 17.732 ug/L

RT: 1.83 min Scan# 24

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

Instrument :

MSVOA_R

ClientSampleId :

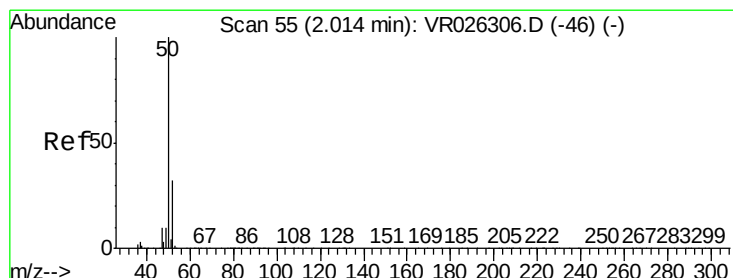
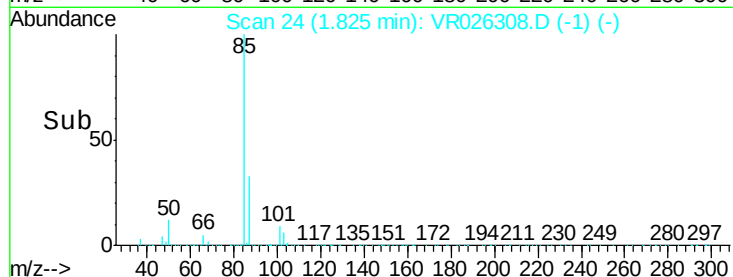
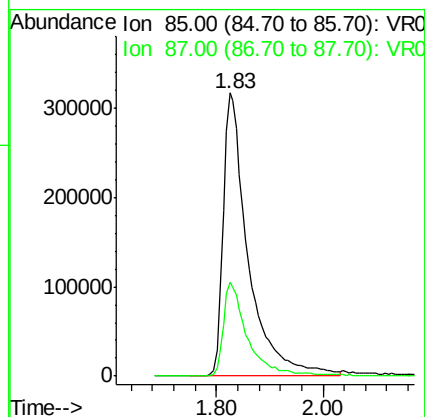
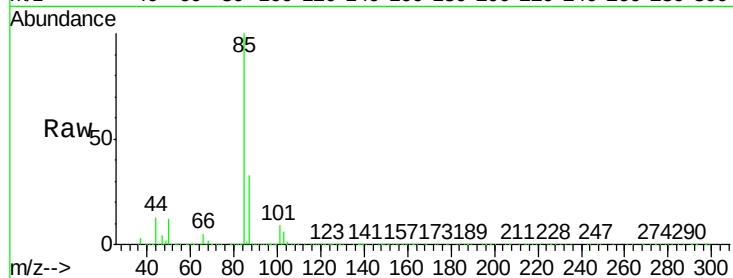
VSTD02085

Tgt Ion: 85 Resp: 1042138

Ion Ratio Lower Upper

85 100

87 31.2 26.2 39.2



#3

Chloromethane

Concen: 17.759 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR026308.D

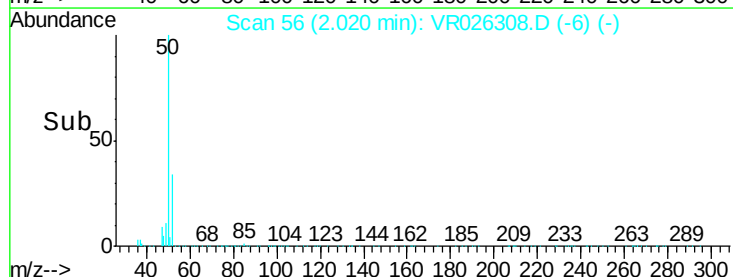
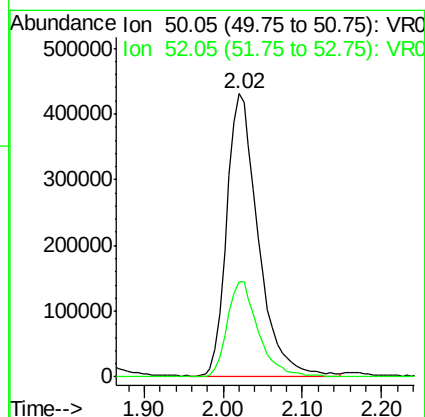
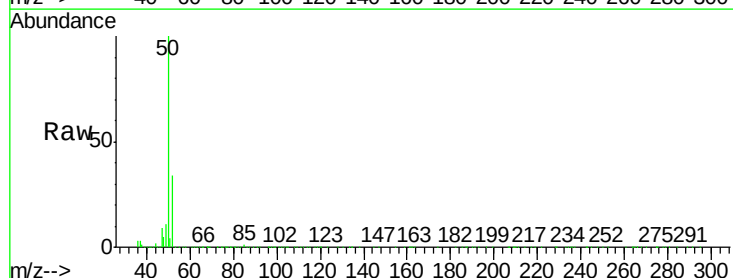
Acq: 11 Feb 2019 14:21

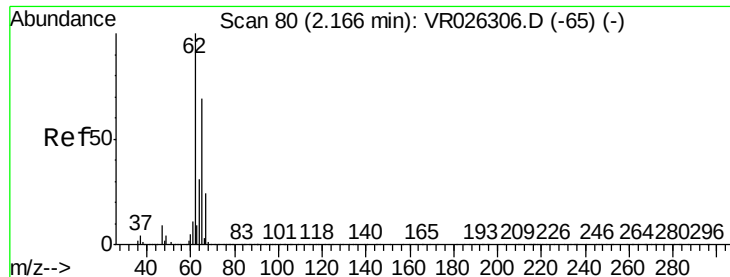
Tgt Ion: 50 Resp: 1191712

Ion Ratio Lower Upper

50 100

52 33.6 22.3 41.5





#5

Vinyl chloride

Concen: 17.567 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

Instrument :

MSVOA_R

ClientSampleId :

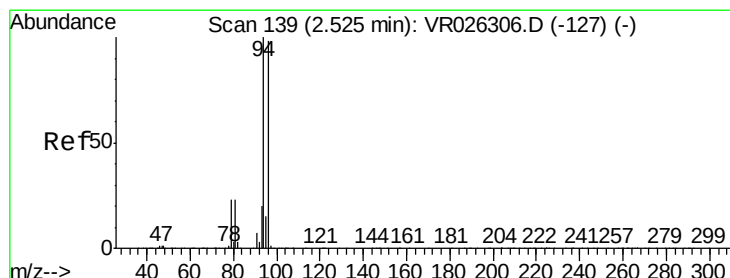
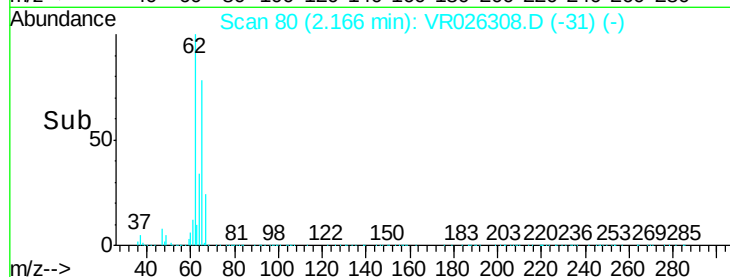
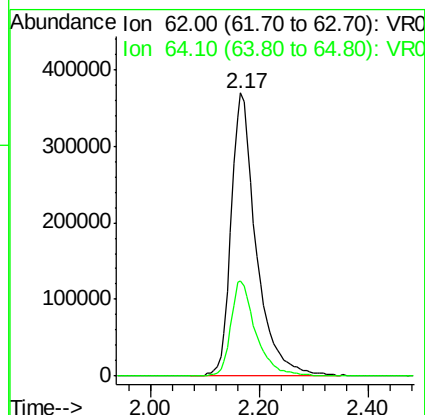
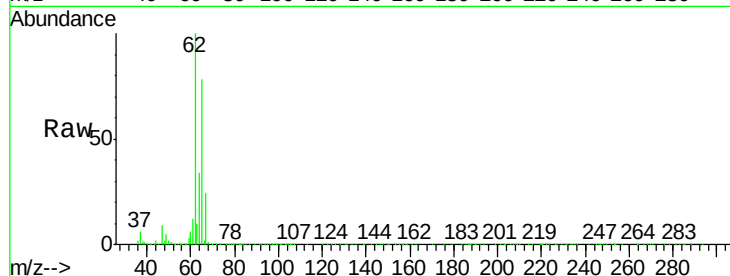
VSTD02085

Tgt Ion: 62 Resp: 1187540

Ion Ratio Lower Upper

62 100

64 33.6 22.2 41.2



#6

Bromomethane

Concen: 17.224 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR026308.D

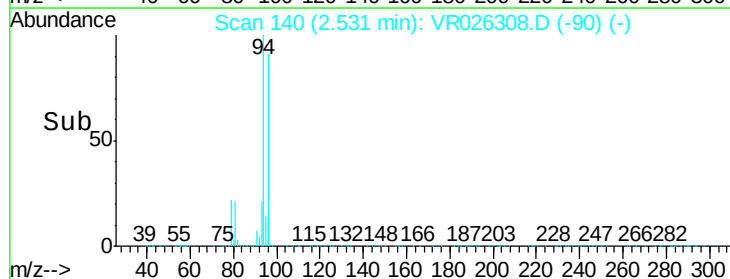
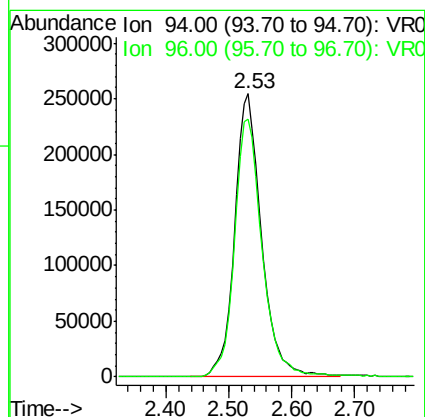
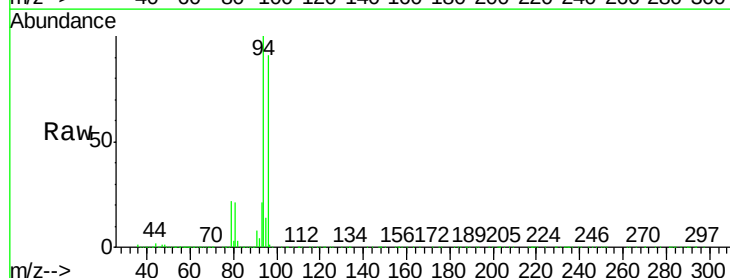
Acq: 11 Feb 2019 14:21

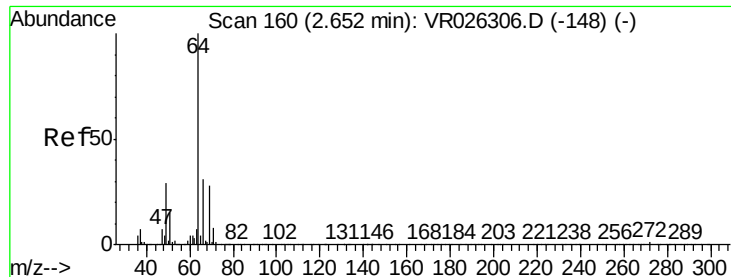
Tgt Ion: 94 Resp: 748889

Ion Ratio Lower Upper

94 100

96 90.9 68.6 127.4





#8

Chloroethane

Concen: 17.541 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

Instrument :

MSVOA_R

ClientSampleId :

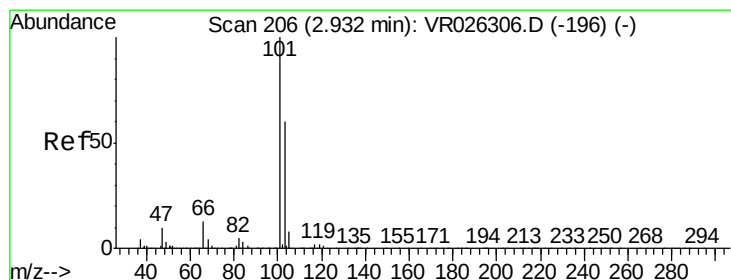
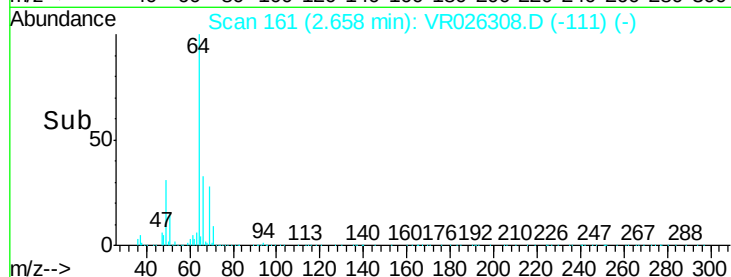
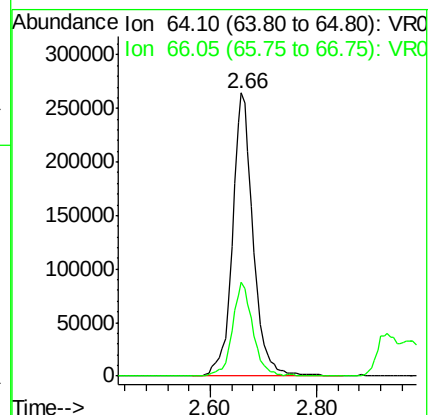
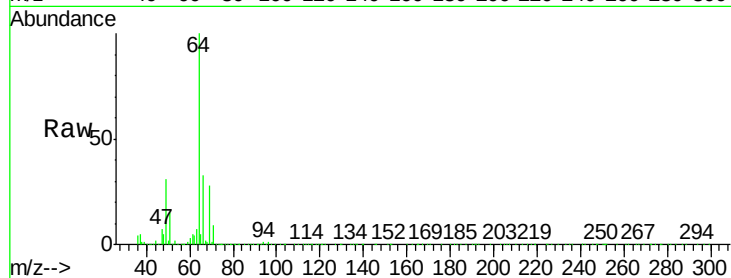
VSTD02085

Tgt Ion: 64 Resp: 712399

Ion Ratio Lower Upper

64 100

66 33.2 22.0 40.8



#9

Trichlorofluoromethane

Concen: 7.898 ug/L

RT: 2.93 min Scan# 206

Delta R.T. 0.00 min

Lab File: VR026308.D

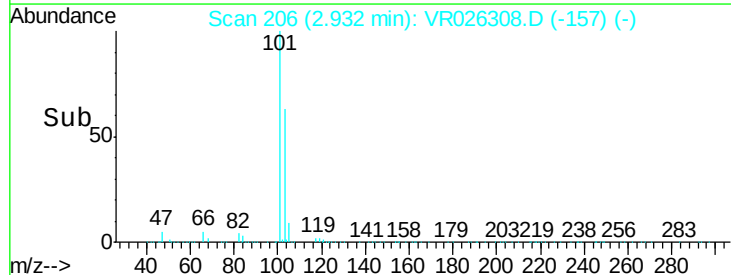
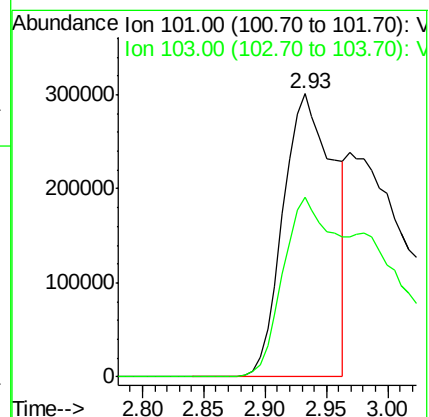
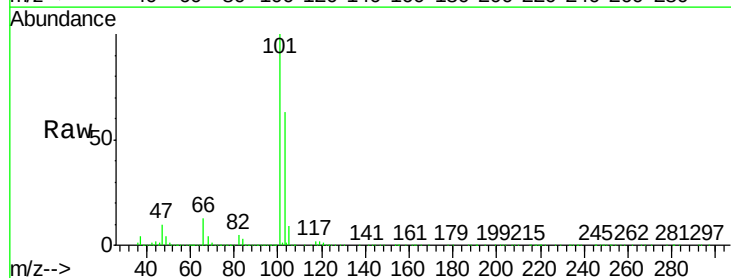
Acq: 11 Feb 2019 14:21

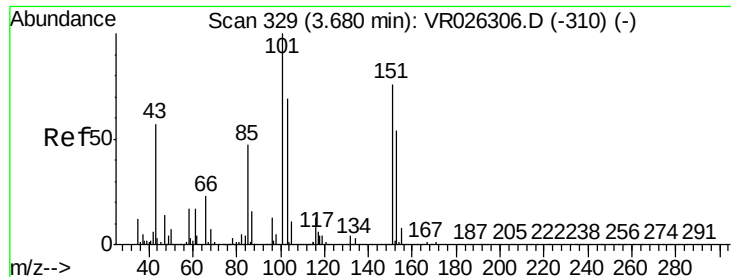
Tgt Ion: 101 Resp: 870358

Ion Ratio Lower Upper

101 100

103 64.5 23.5 35.3#





#10

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

Concen: 17.438 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

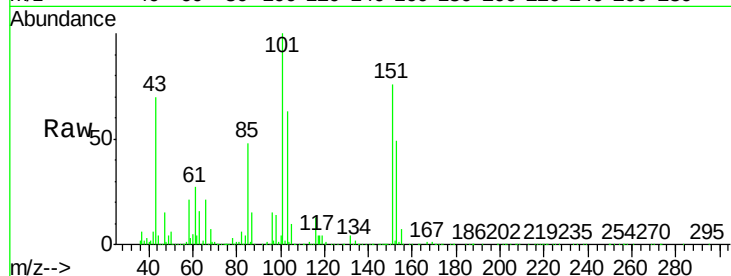
Tgt Ion:101 Resp: 1009734

Ion Ratio Lower Upper

101 100

85 47.6 39.0 58.6

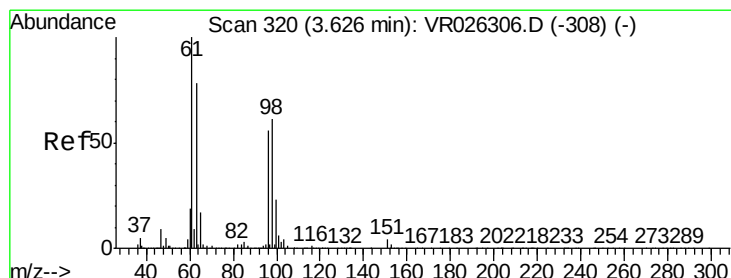
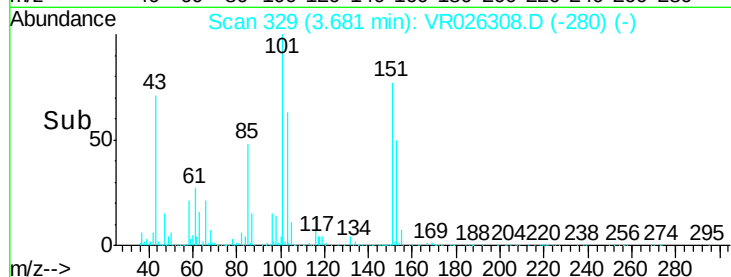
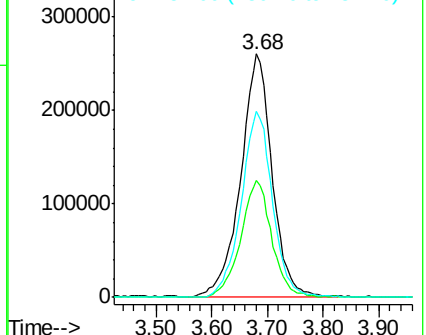
151 76.8 63.1 94.7



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: 17.885 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

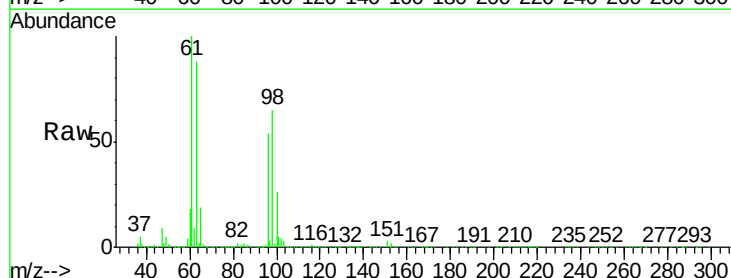
Tgt Ion: 96 Resp: 1089910

Ion Ratio Lower Upper

96 100

61 185.4 126.0 234.0

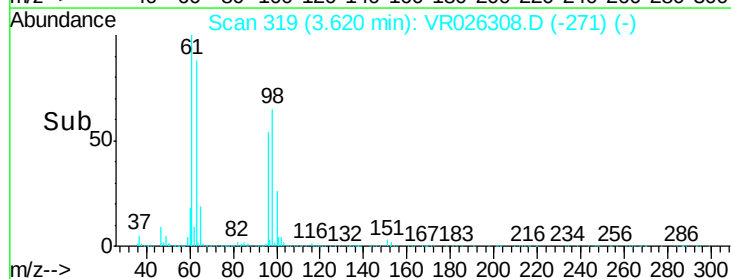
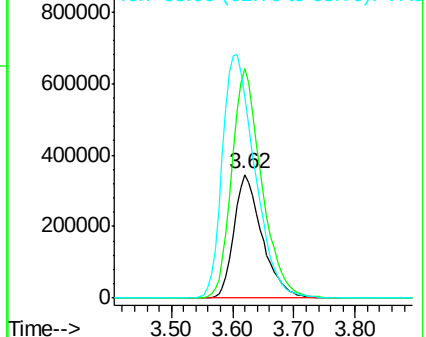
63 162.6 99.7 185.1

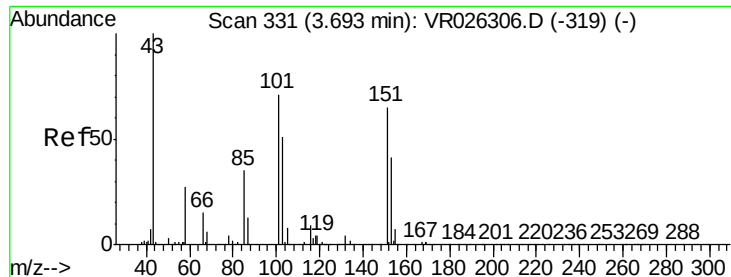


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 177.786 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.00 min

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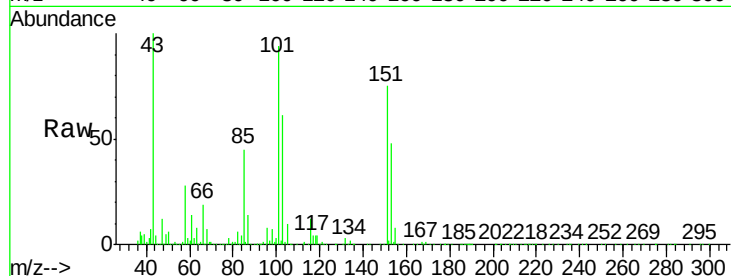
VSTD02085

Tgt Ion: 43 Resp: 695317

Ion Ratio Lower Upper

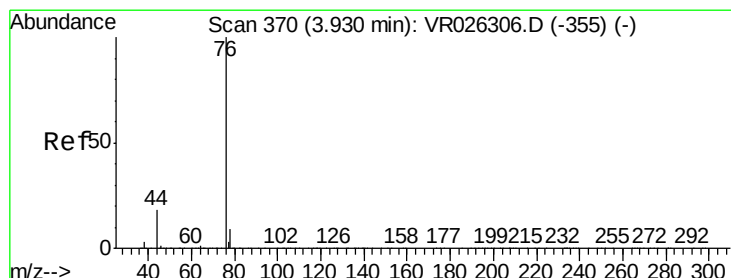
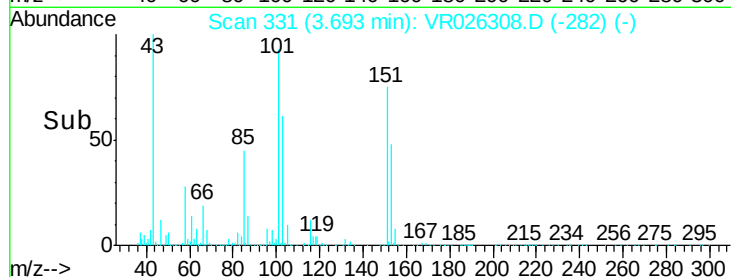
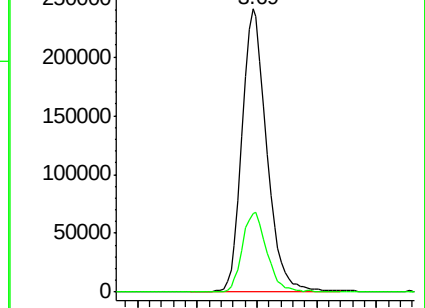
43 100

58 27.9 0.0 56.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 18.339 ug/L

RT: 3.92 min Scan# 369

Delta R.T. -0.01 min

Lab File: VR026308.D

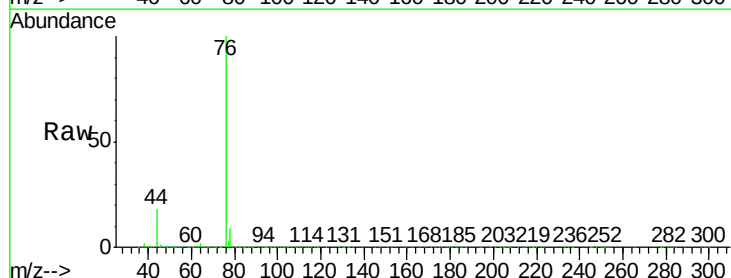
Acq: 11 Feb 2019 14:21

Tgt Ion: 76 Resp: 3654179

Ion Ratio Lower Upper

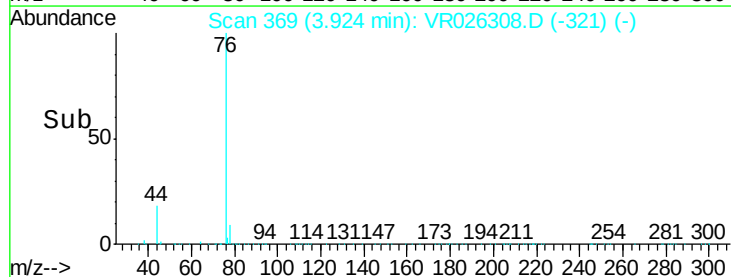
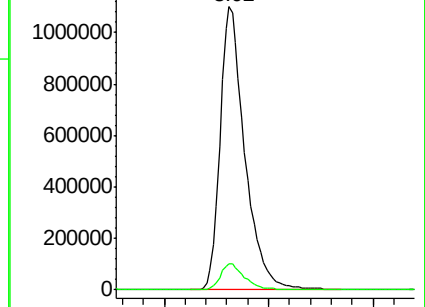
76 100

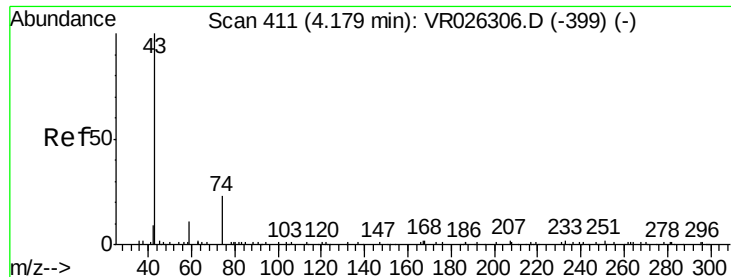
78 9.3 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

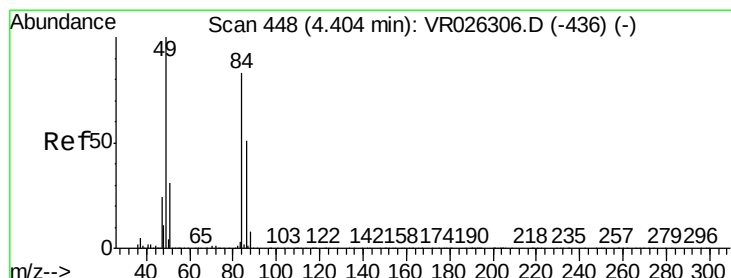
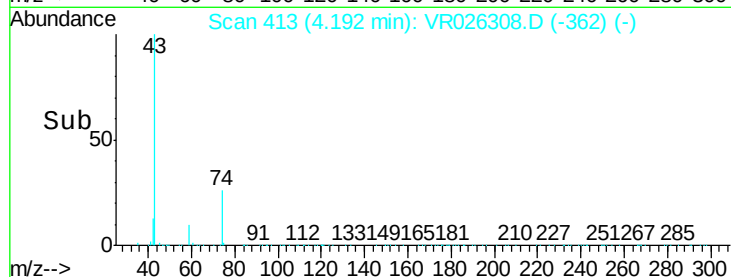
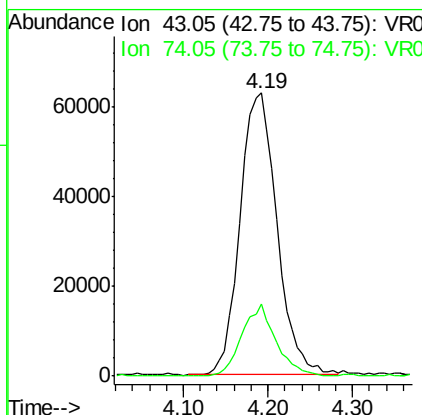
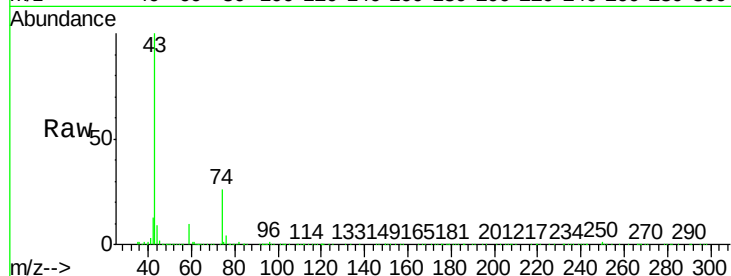




#15
Methyl Acetate
Concen: 17.364 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.01 min
Lab File: VR026308.D
Acq: 11 Feb 2019 14:21

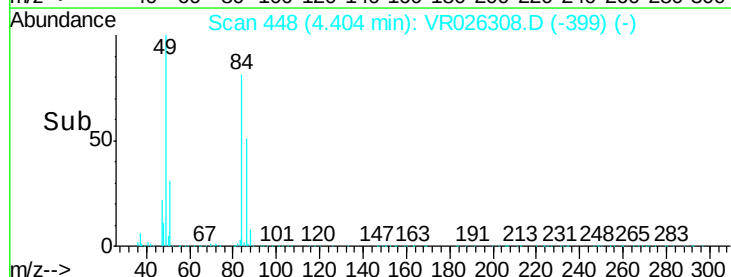
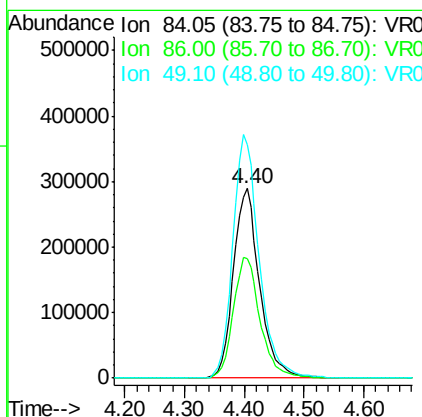
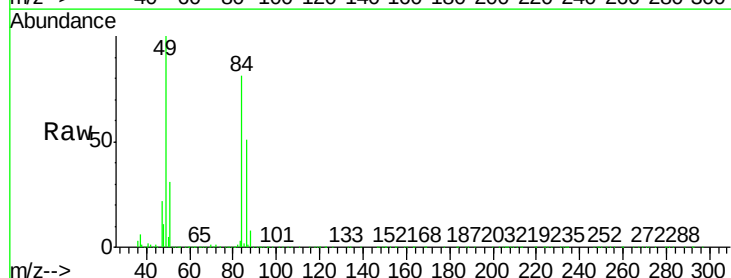
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

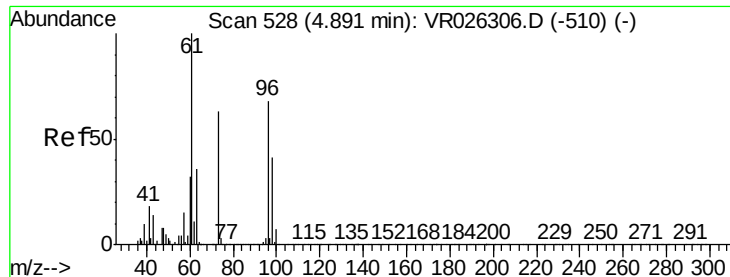
Tgt Ion: 43 Resp: 186407
Ion Ratio Lower Upper
43 100
74 23.6 18.4 27.6



#16
Methylene chloride
Concen: 17.141 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.00 min
Lab File: VR026308.D
Acq: 11 Feb 2019 14:21

Tgt Ion: 84 Resp: 884450
Ion Ratio Lower Upper
84 100
86 62.9 42.6 79.2
49 123.1 84.2 156.4

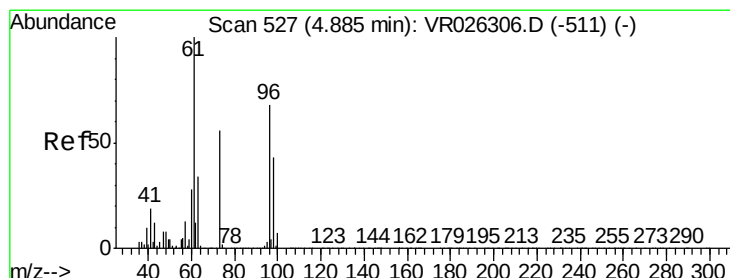
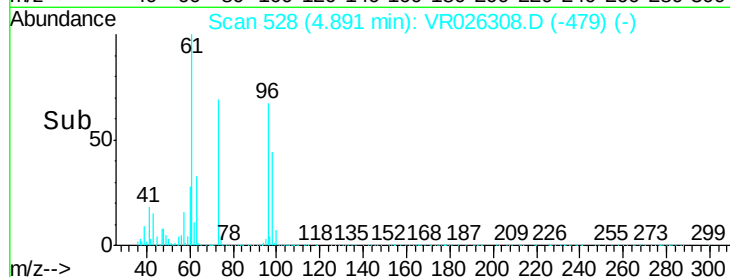
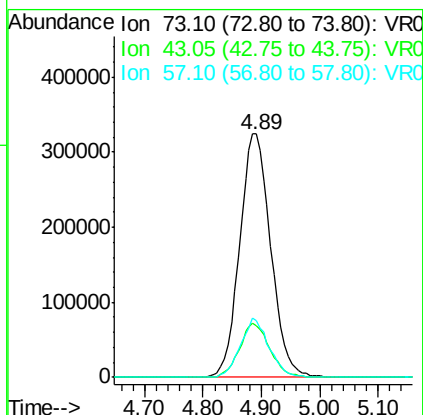
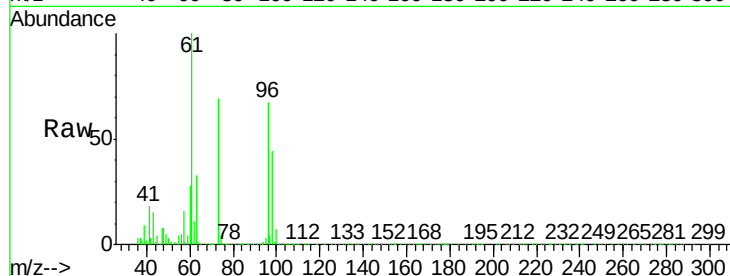




#17
Methyl tert-butyl Ether
Concen: 22.296 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.00 min
Lab File: VR026308.D
Acq: 11 Feb 2019 14:21

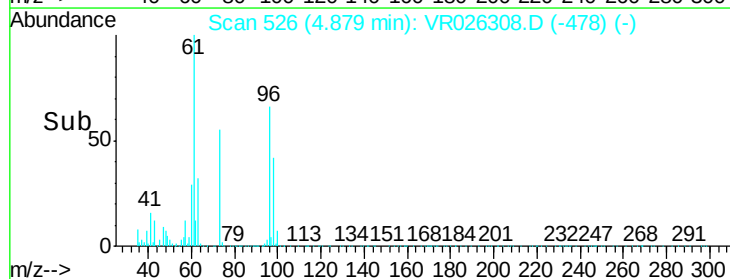
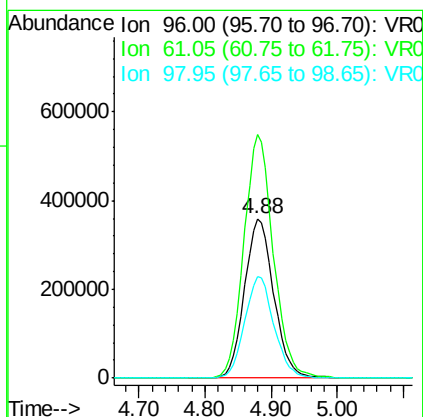
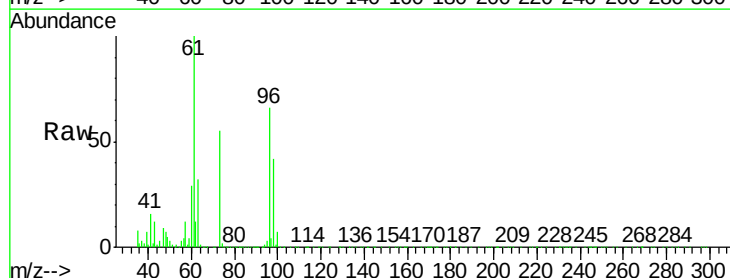
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

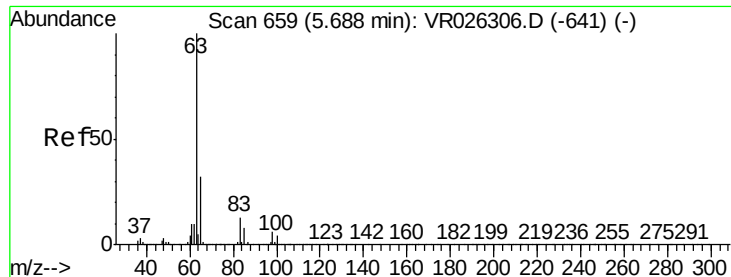
Tgt Ion: 73 Resp: 1196885
Ion Ratio Lower Upper
73 100
43 21.5 17.5 26.3
57 22.3 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 19.980 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026308.D
Acq: 11 Feb 2019 14:21

Tgt Ion: 96 Resp: 1105144
Ion Ratio Lower Upper
96 100
61 152.5 102.5 190.3
98 63.5 43.9 81.5



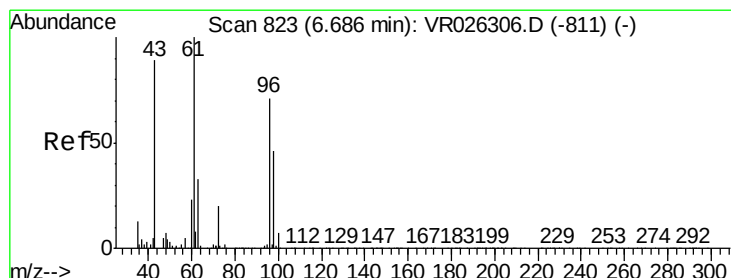
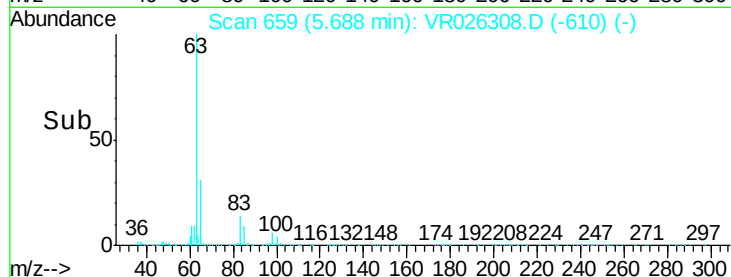
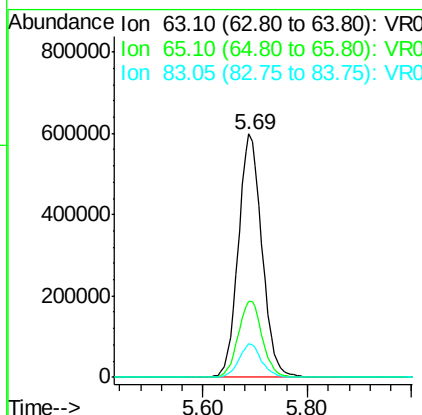
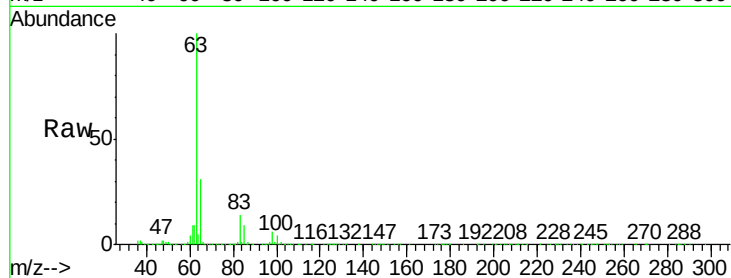


#19
 1,1-Dichloroethane
 Concen: 19.728 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VR026308.D
 Acq: 11 Feb 2019 14:21

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

Tgt Ion: 63 Resp: 1873087

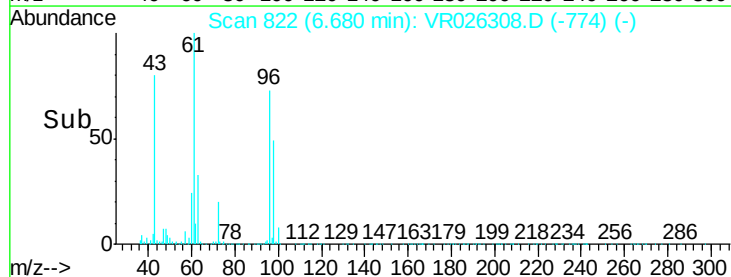
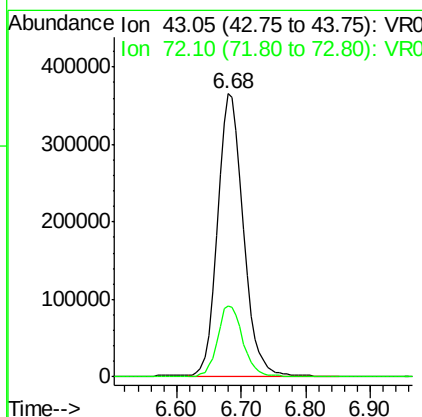
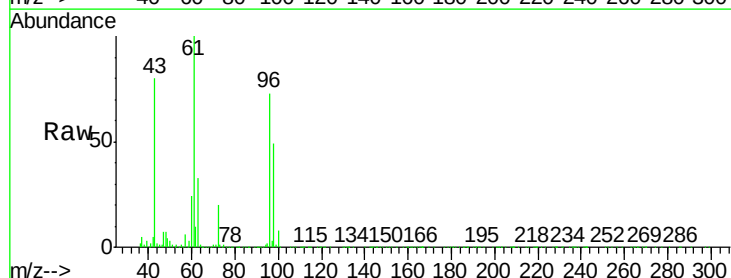
Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.3	41.3
83	14.0	8.9	16.5

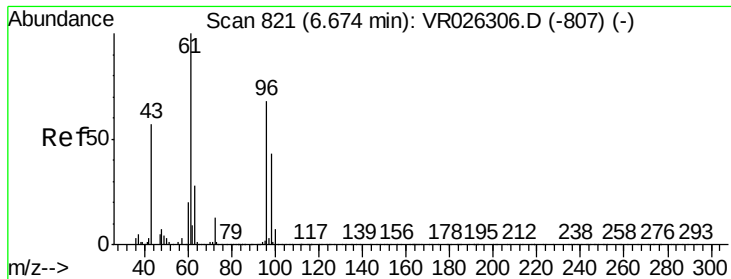


#21
 2-Butanone
 Concen: 232.262 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: VR026308.D
 Acq: 11 Feb 2019 14:21

Tgt Ion: 43 Resp: 1028344

Ion	Ratio	Lower	Upper
43	100		
72	24.9	11.7	35.1



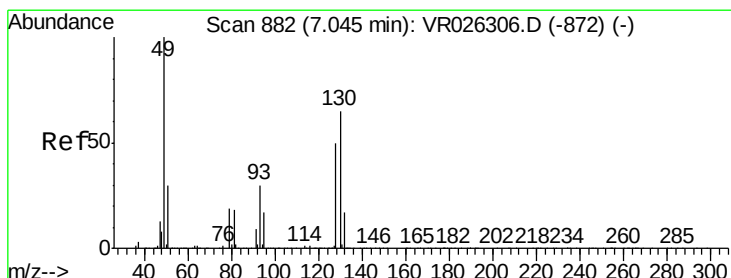
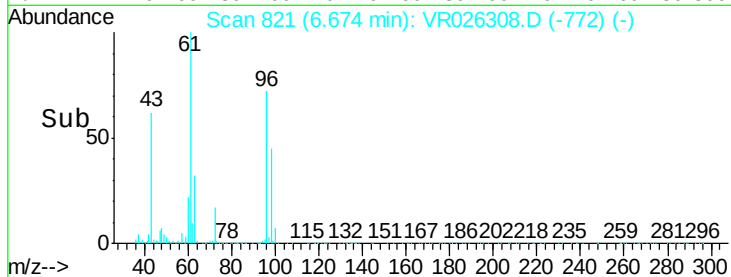
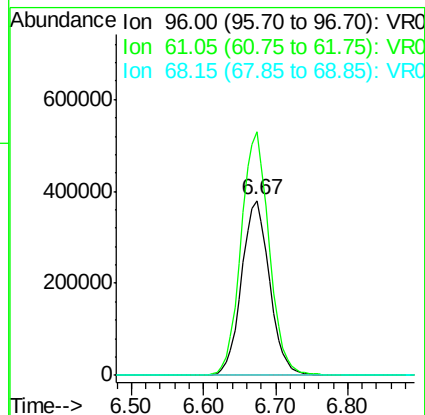
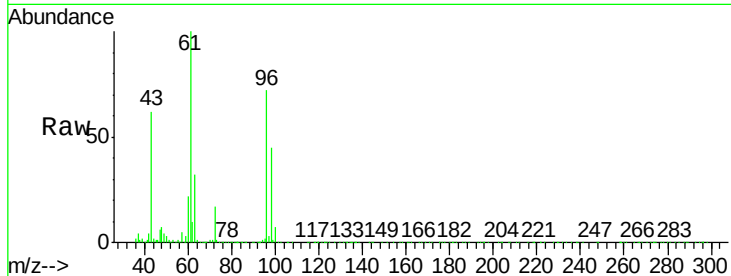


#22

cis-1,2-Dichloroethene
Concen: 22.981 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR026308.D
Acq: 11 Feb 2019 14:21

Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

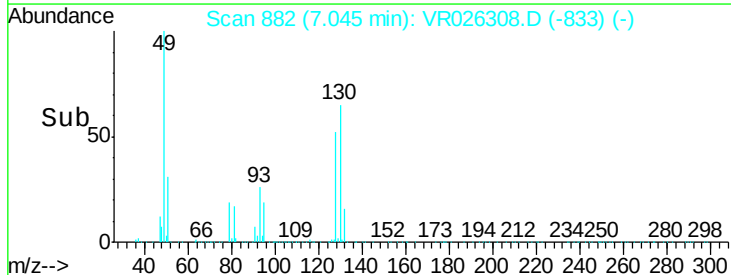
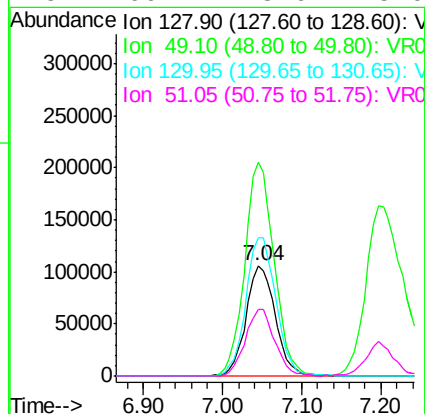
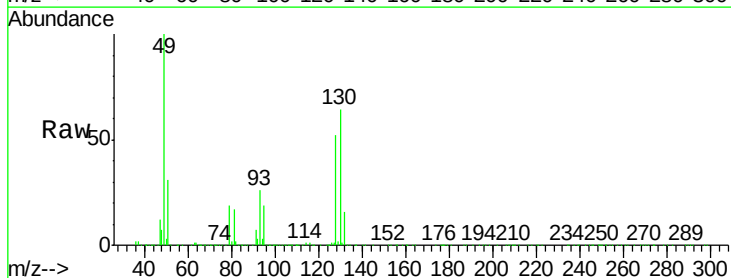
Tgt Ion: 96 Resp: 1025272
Ion Ratio Lower Upper
96 100
61 139.2 103.3 191.9
68 0.0 0.1 0.3#

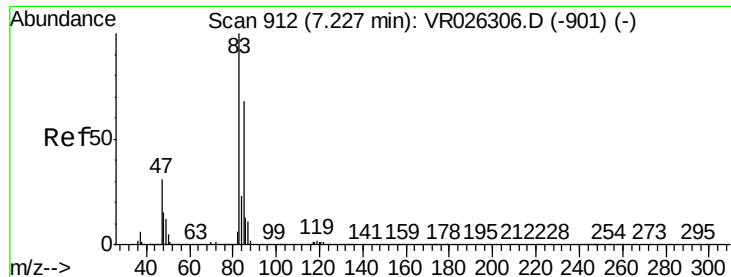


#23

Bromochloromethane
Concen: 19.606 ug/L
RT: 7.04 min Scan# 882
Delta R.T. 0.00 min
Lab File: VR026308.D
Acq: 11 Feb 2019 14:21

Tgt Ion: 128 Resp: 272849
Ion Ratio Lower Upper
128 100
49 193.1 140.6 261.2
130 124.4 91.1 169.1
51 60.1 48.6 73.0

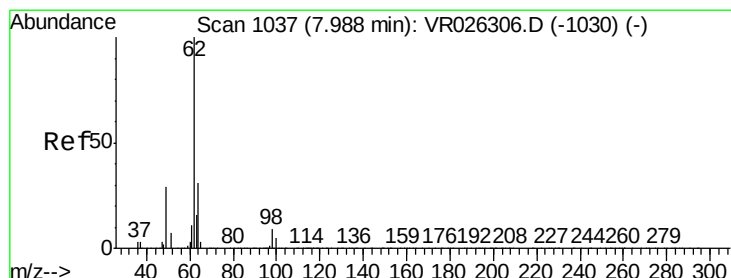
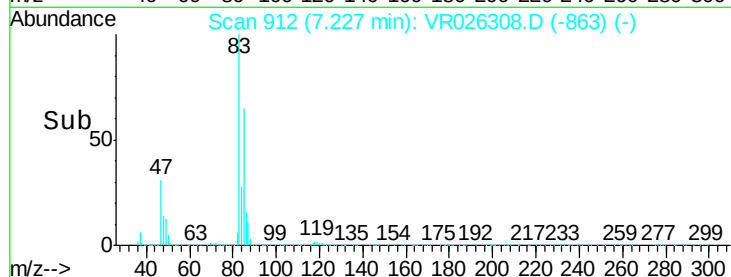
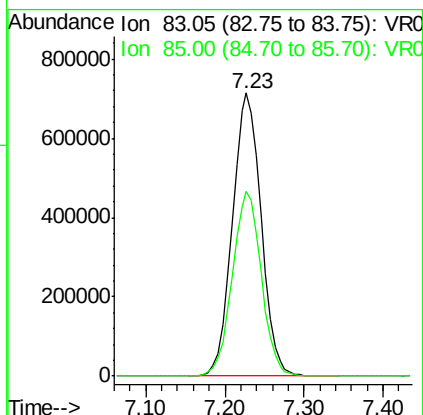
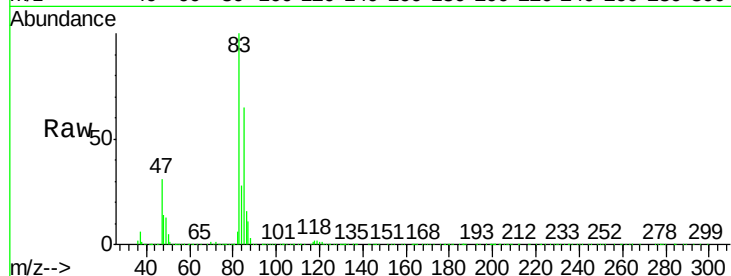




#25
Chloroform
Concen: 19.546 ug/L
RT: 7.23 min Scan# 912
Delta R.T. 0.00 min
Lab File: VR026308.D
Acq: 11 Feb 2019 14:21

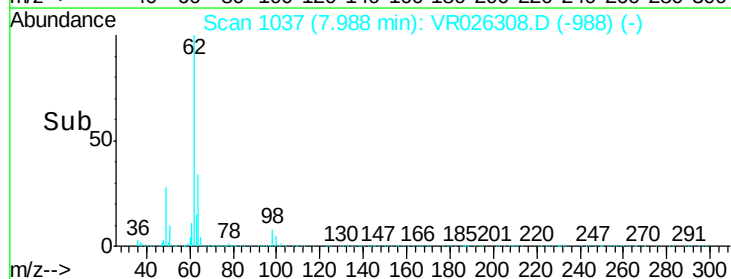
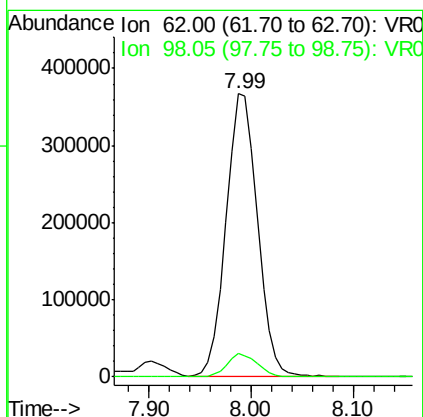
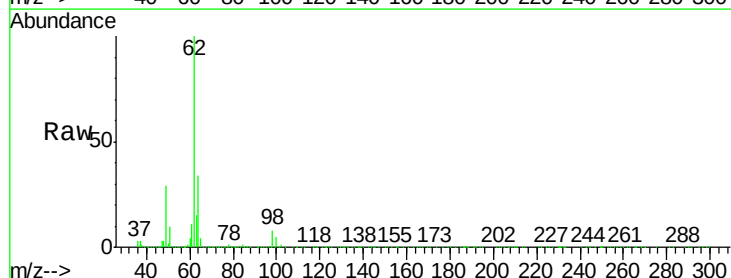
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

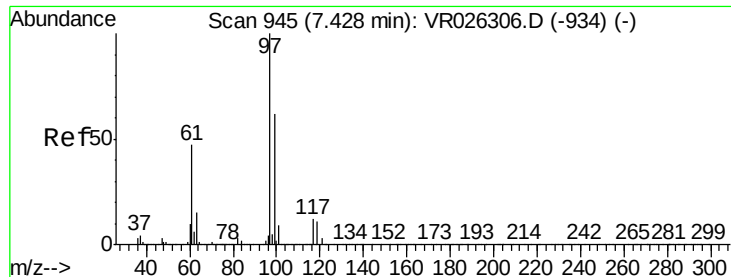
Tgt Ion: 83 Resp: 1802765
Ion Ratio Lower Upper
83 100
85 65.4 47.6 88.4



#27
1,2-Dichloroethane
Concen: 19.520 ug/L
RT: 7.99 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VR026308.D
Acq: 11 Feb 2019 14:21

Tgt Ion: 62 Resp: 778779
Ion Ratio Lower Upper
62 100
98 8.3 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 19.097 ug/L

RT: 7.43 min Scan# 945

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

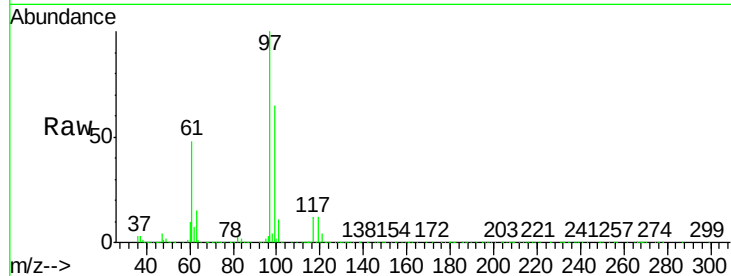
Tgt Ion: 97 Resp: 1720891

Ion Ratio Lower Upper

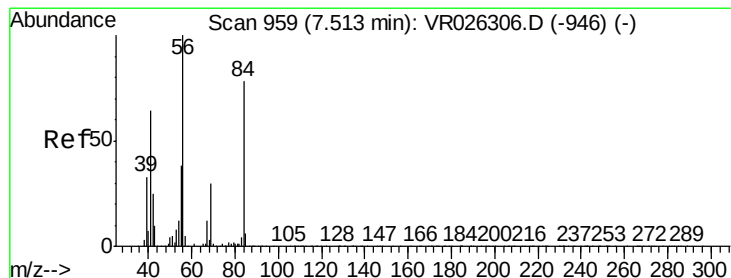
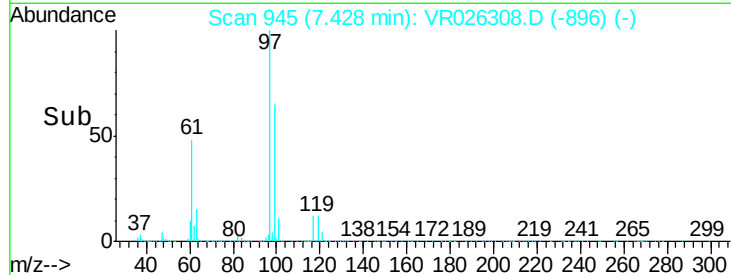
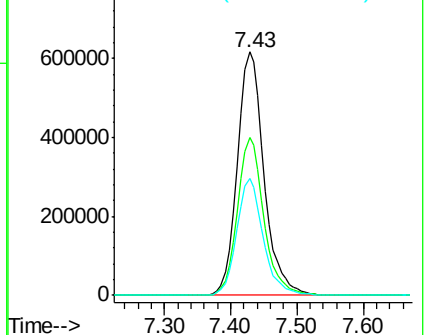
97 100

99 64.0 52.1 78.1

61 47.6 39.1 58.7



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: 23.740 ug/L

RT: 7.51 min Scan# 959

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

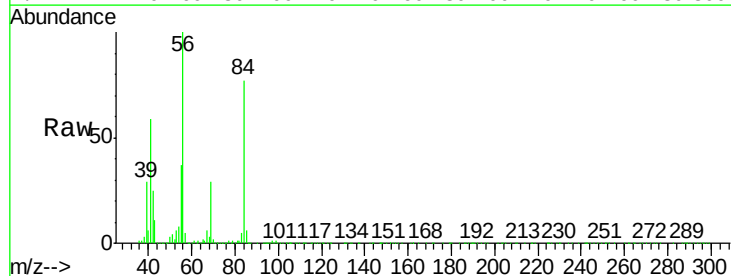
Tgt Ion: 56 Resp: 1712876

Ion Ratio Lower Upper

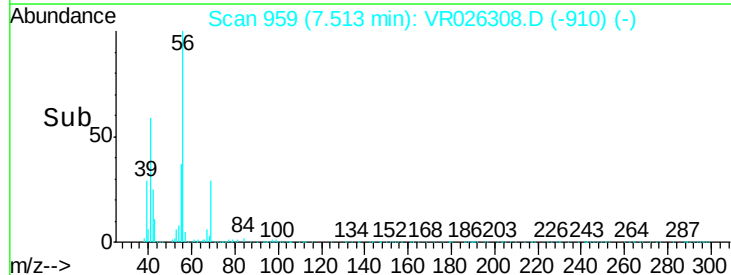
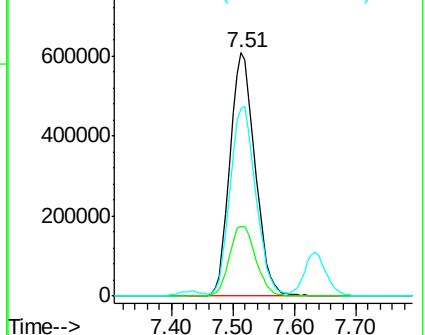
56 100

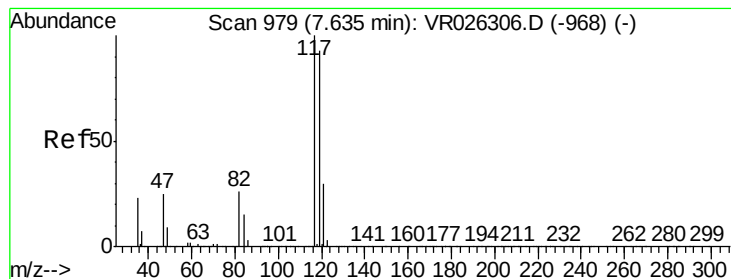
69 30.1 23.4 35.2

84 79.7 63.8 95.6



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: 18.553 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

Instrument :

MSVOA_R

ClientSampleId :

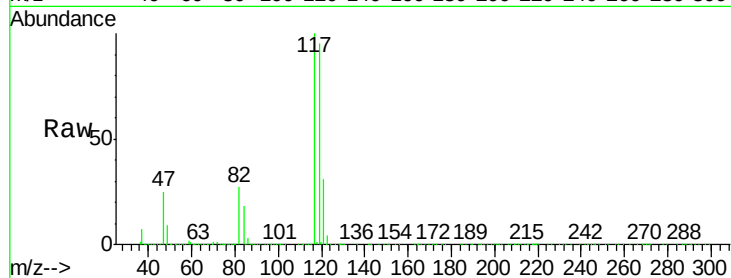
VSTD02085

Tgt Ion:117 Resp: 1549742

Ion Ratio Lower Upper

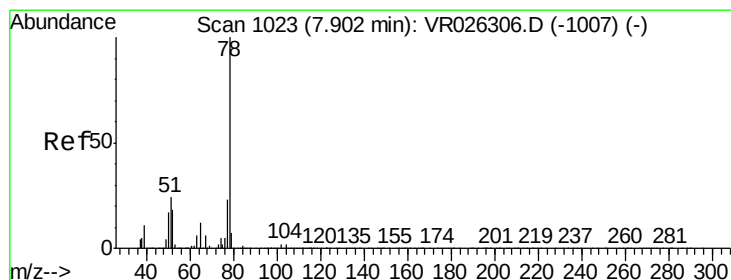
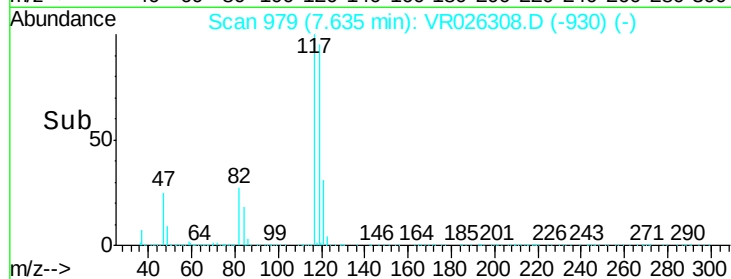
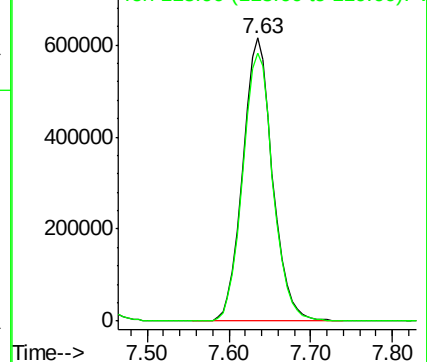
117 100

119 96.5 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 20.641 ug/L

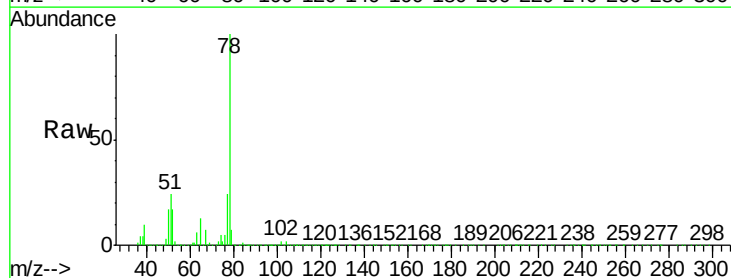
RT: 7.90 min Scan# 1023

Delta R.T. 0.00 min

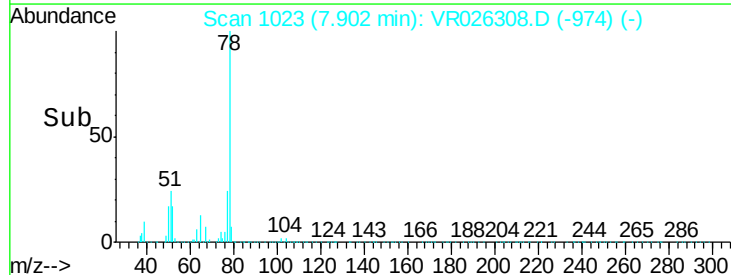
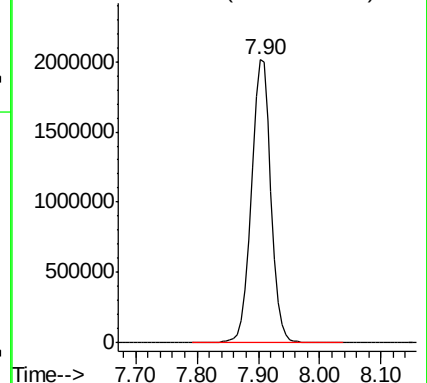
Lab File: VR026308.D

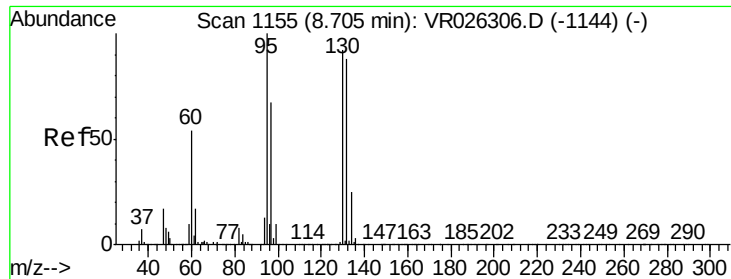
Acq: 11 Feb 2019 14:21

Tgt Ion: 78 Resp: 4470667



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 20.618 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

Tgt Ion: 95 Resp: 1151469

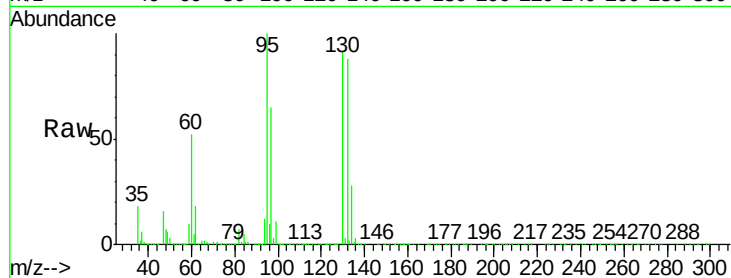
Ion Ratio Lower Upper

95 100

97 65.0 46.6 86.6

132 87.9 61.9 114.9

130 91.1 64.3 119.5

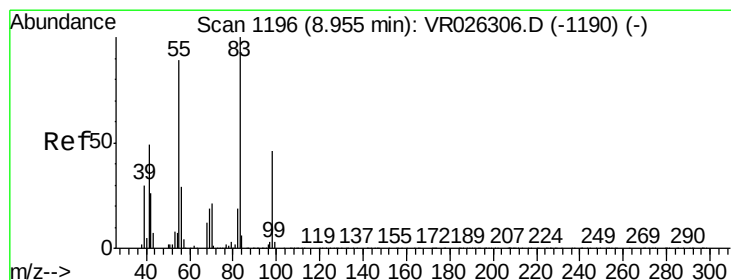
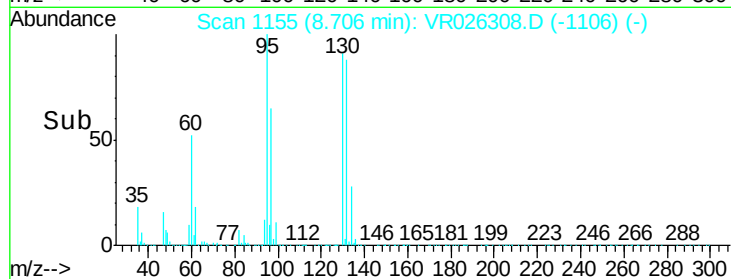
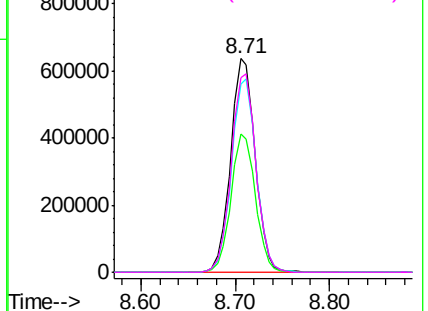


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 23.048 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

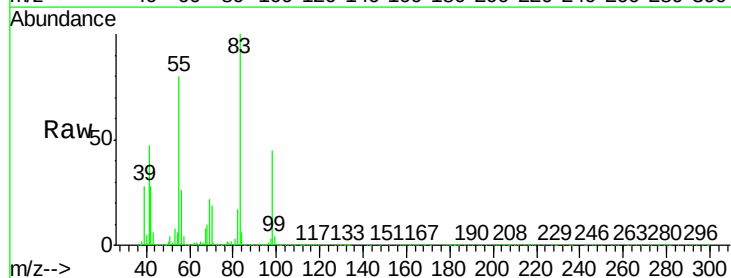
Tgt Ion: 83 Resp: 1789932

Ion Ratio Lower Upper

83 100

55 82.6 68.8 103.2

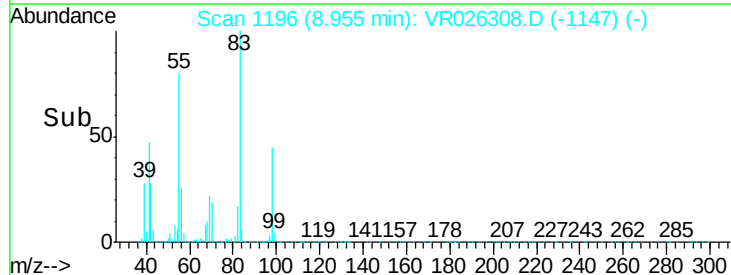
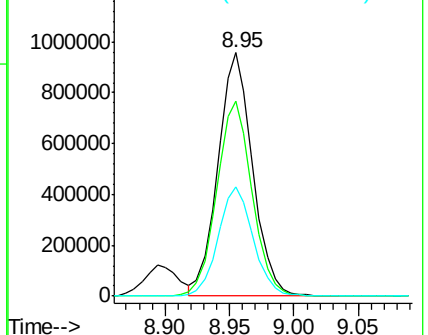
98 45.2 36.3 54.5

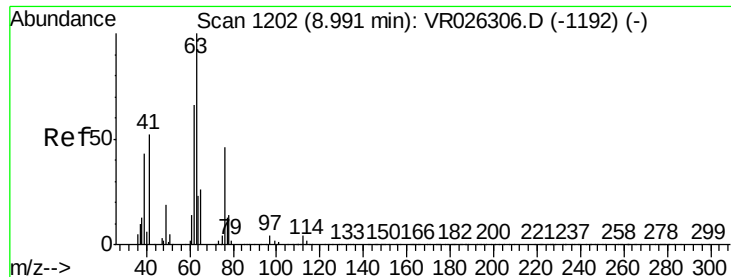


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

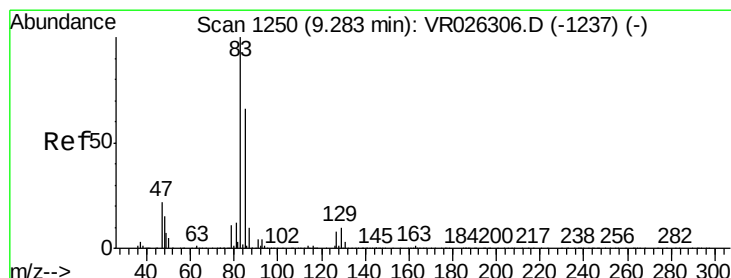
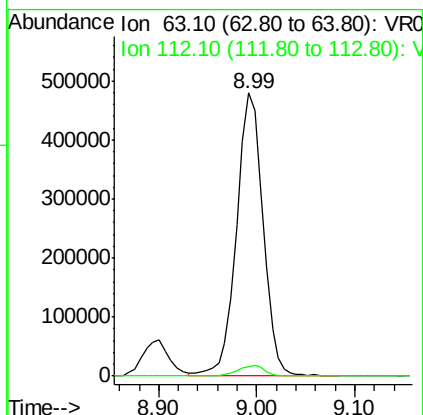
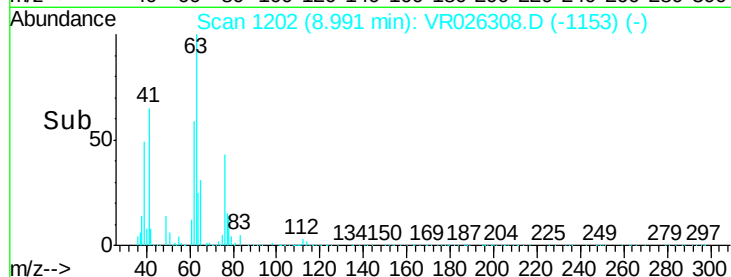
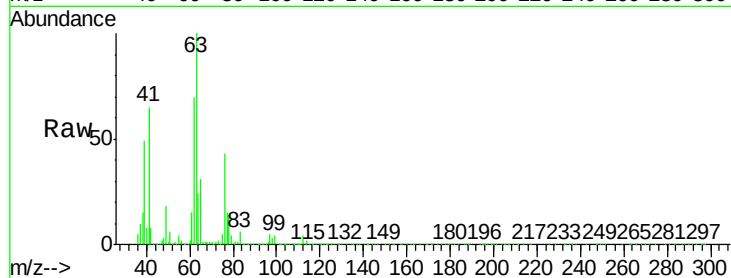




#37
 1,2-Dichloropropane
 Concen: 19.261 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VR026308.D
 Acq: 11 Feb 2019 14:21

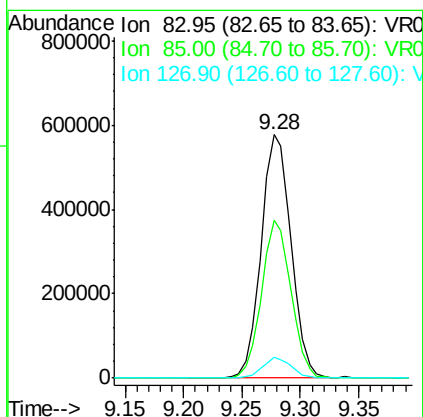
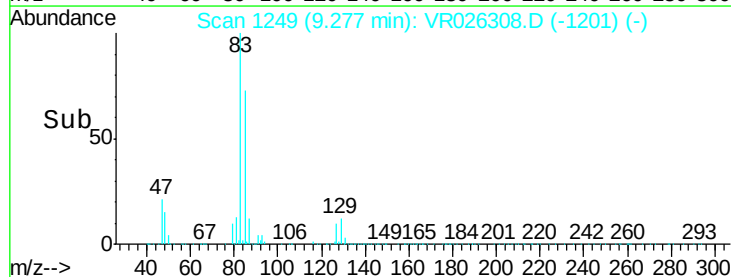
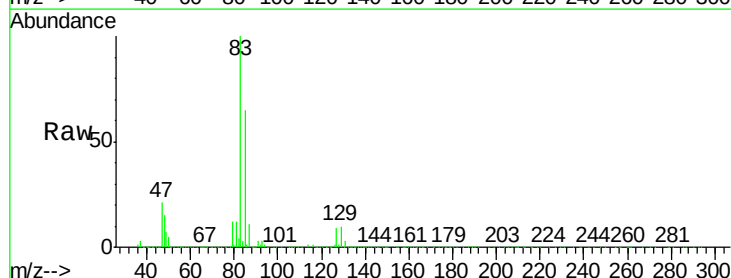
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD02085

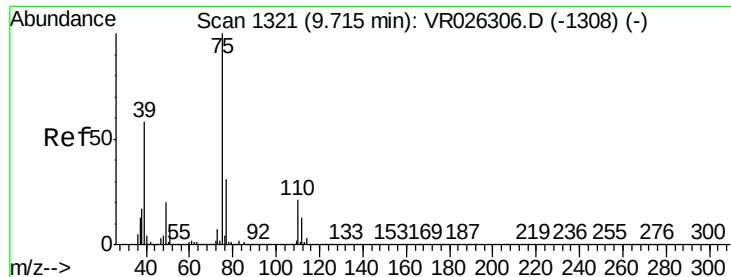
Tgt Ion: 63 Resp: 900818
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.3 4.9



#38
 Bromodichloromethane
 Concen: 19.598 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VR026308.D
 Acq: 11 Feb 2019 14:21

Tgt Ion: 83 Resp: 1022100
 Ion Ratio Lower Upper
 83 100
 85 65.1 46.3 85.9
 127 8.6 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 24.378 ug/L

RT: 9.72 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

Instrument :

MSVOA_R

ClientSampleId :

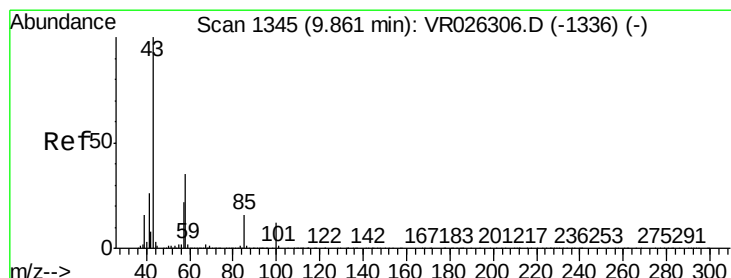
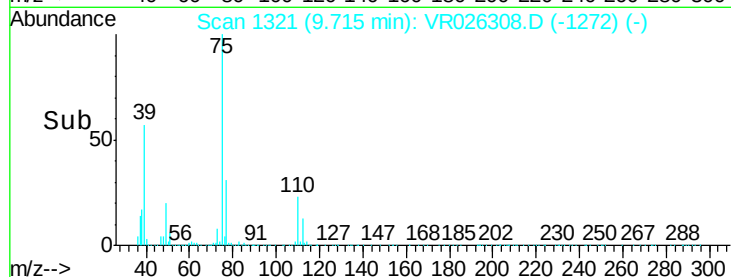
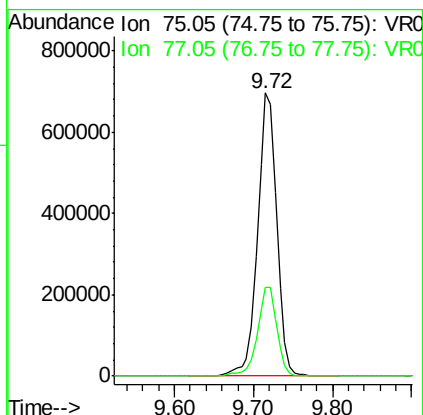
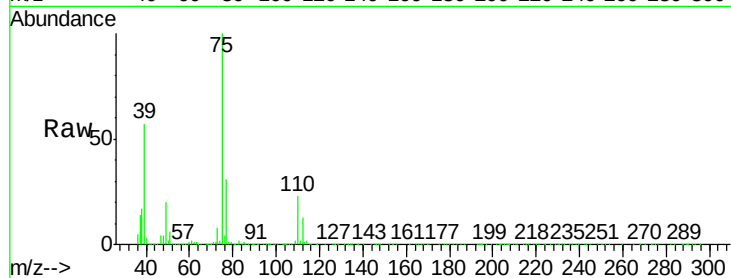
VSTD02085

Tgt Ion: 75 Resp: 1173163

Ion Ratio Lower Upper

75 100

77 31.4 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 239.149 ug/L

RT: 9.86 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

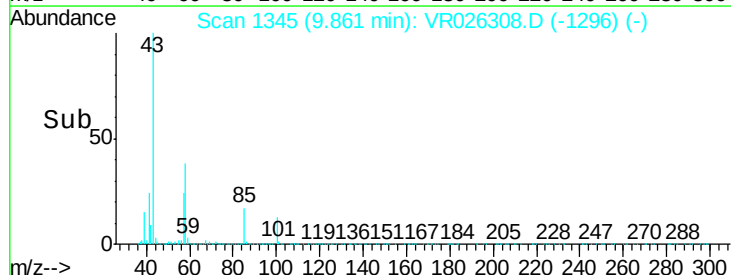
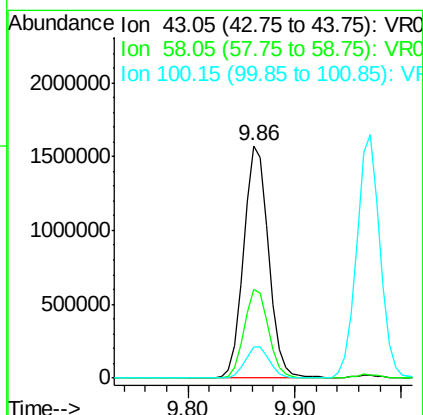
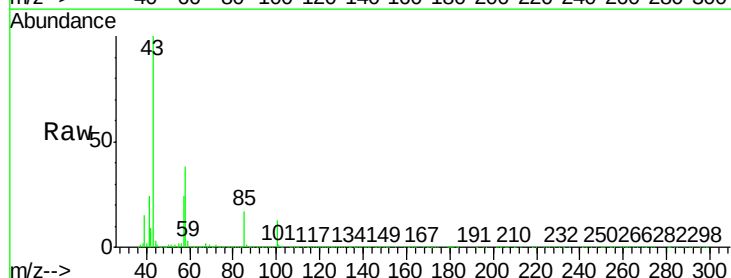
Tgt Ion: 43 Resp: 2578198

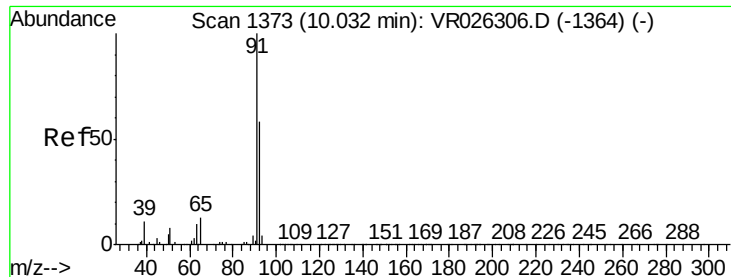
Ion Ratio Lower Upper

43 100

58 37.5 28.7 43.1

100 13.1 9.8 14.6





#42

Toluene

Concen: 21.239 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

Instrument :

MSVOA_R

ClientSampleId :

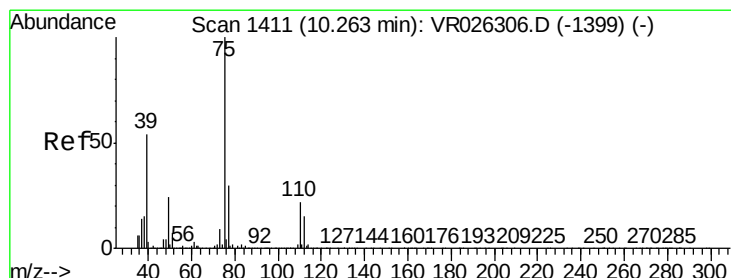
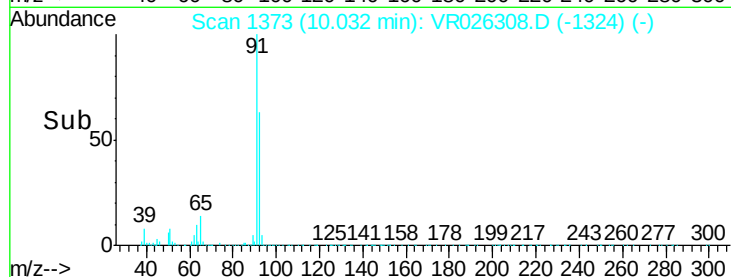
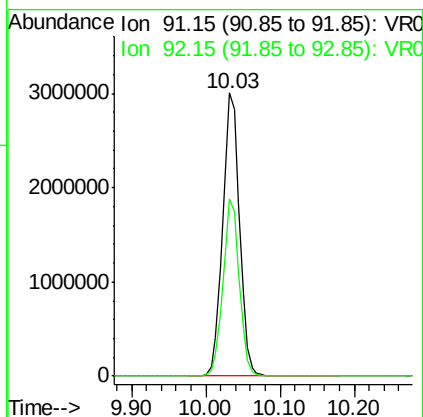
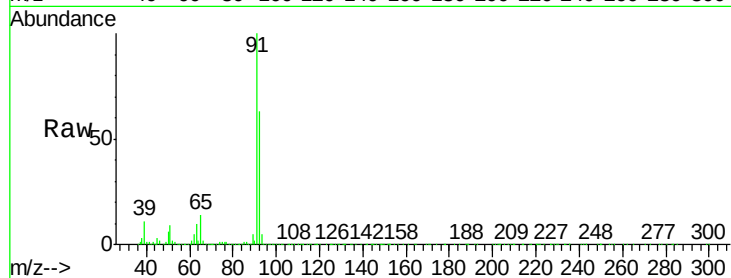
VSTD02085

Tgt Ion: 91 Resp: 4728227

Ion Ratio Lower Upper

91 100

92 62.8 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 23.532 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026308.D

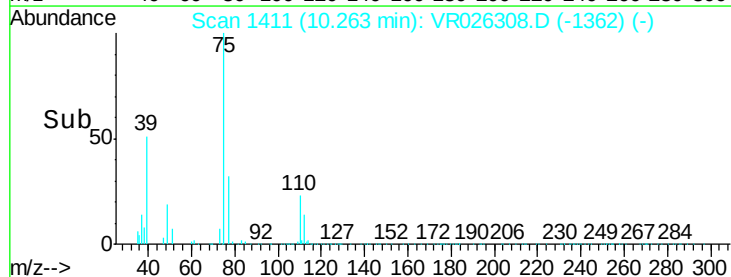
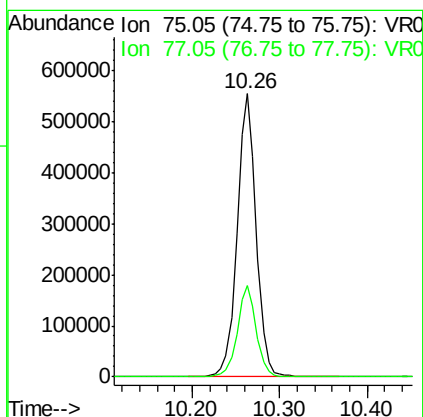
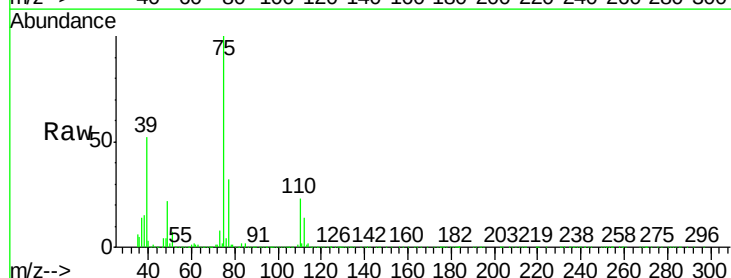
Acq: 11 Feb 2019 14:21

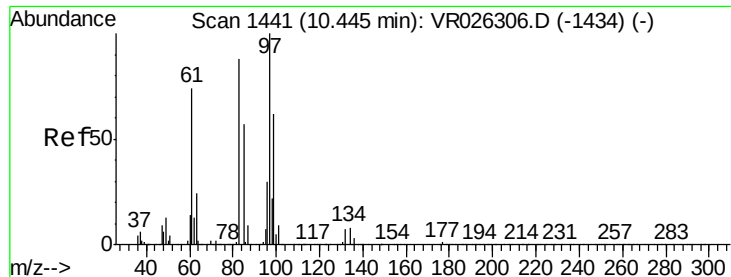
Tgt Ion: 75 Resp: 840113

Ion Ratio Lower Upper

75 100

77 32.2 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 19.294 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

Tgt Ion: 97 Resp: 376757

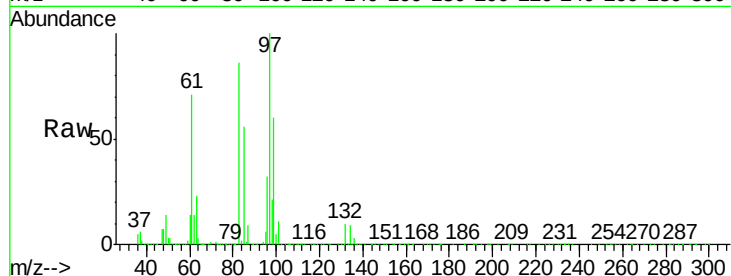
Ion Ratio Lower Upper

97 100

99 60.4 43.0 80.0

83 85.9 61.5 114.3

85 55.8 39.6 73.6

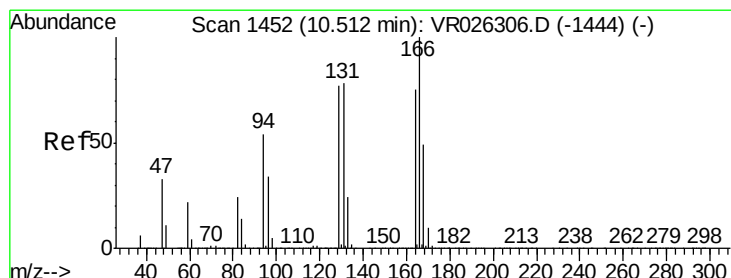
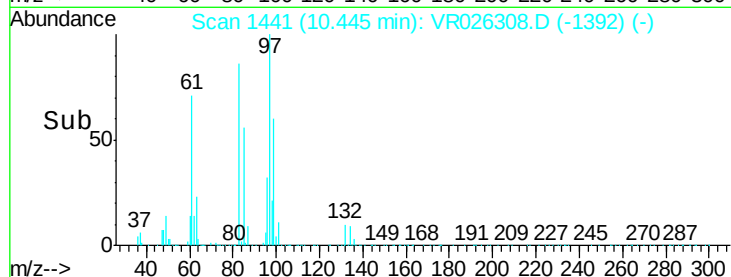
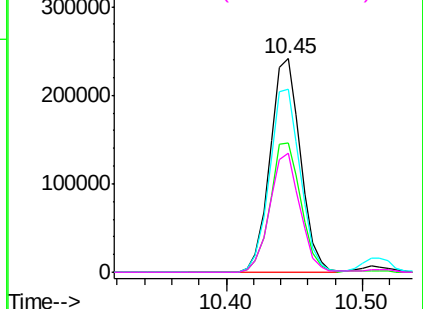


Abundance Ion 96.95 (96.65 to 97.65): VR0

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: 21.308 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

Tgt Ion: 164 Resp: 913127

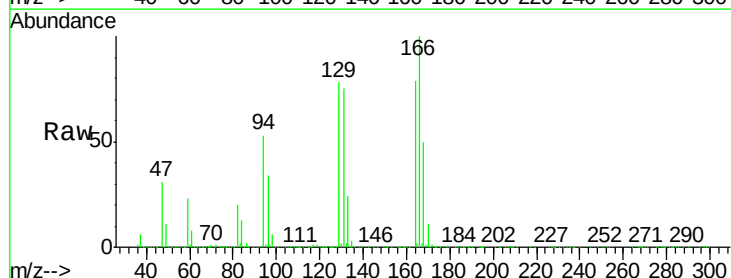
Ion Ratio Lower Upper

164 100

129 98.0 71.5 132.9

131 95.0 72.8 135.2

166 126.0 93.4 173.4

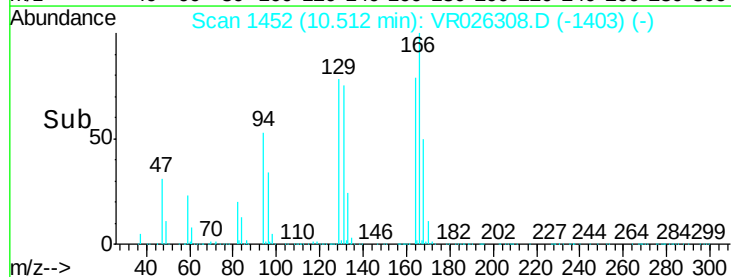
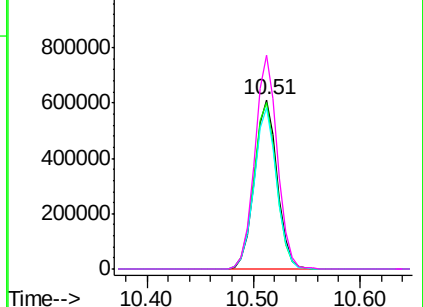


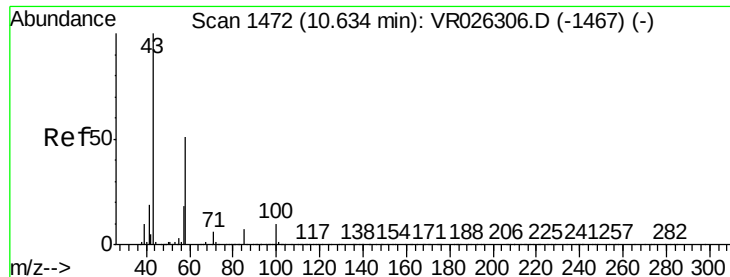
Abundance Ion 163.90 (163.60 to 164.60): V

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



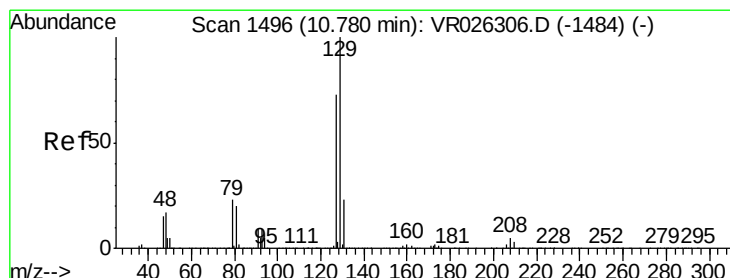
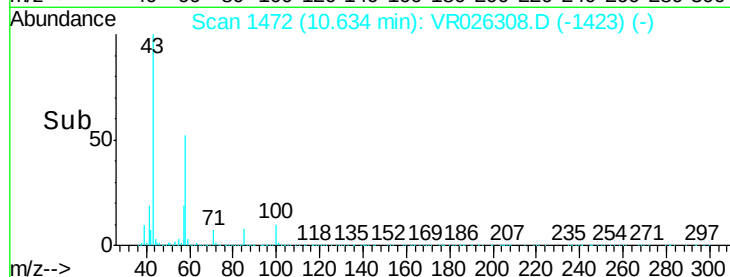
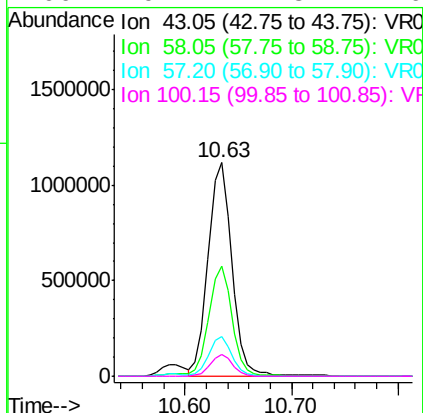
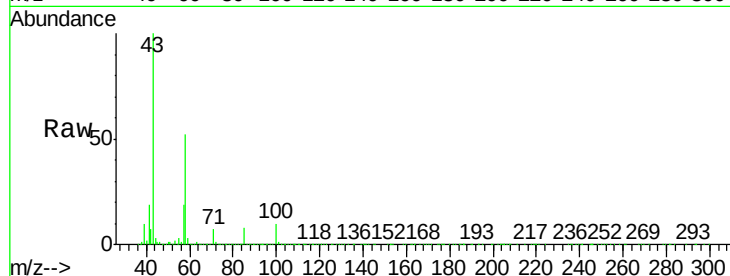


#48
2-Hexanone
Concen: 234.032 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026308.D
Acq: 11 Feb 2019 14:21

Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

Tgt Ion: 43 Resp: 1696537

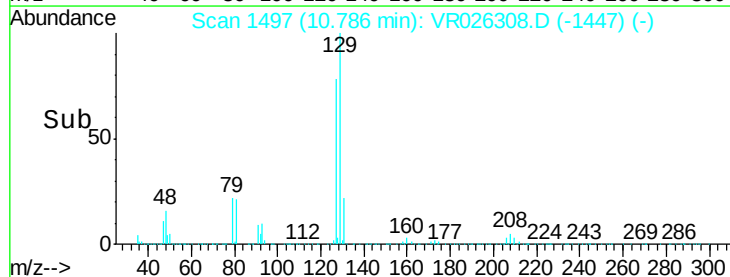
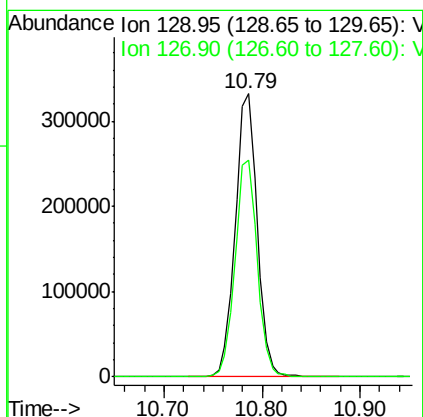
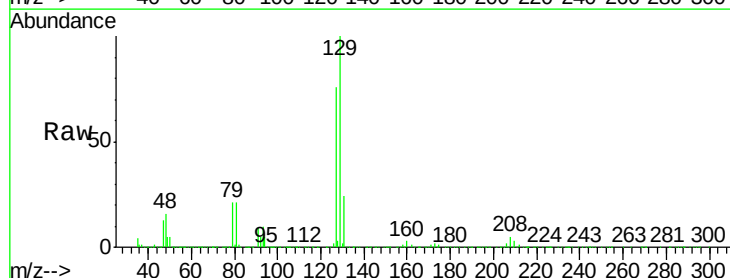
Ion	Ratio	Lower	Upper
43	100		
58	52.1	41.2	61.8
57	18.1	13.8	20.8
100	9.7	7.8	11.6

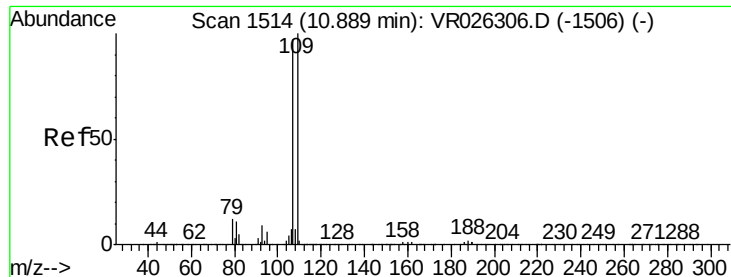


#49
Dibromochloromethane
Concen: 20.577 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VR026308.D
Acq: 11 Feb 2019 14:21

Tgt Ion: 129 Resp: 516458

Ion	Ratio	Lower	Upper
129	100		
127	76.5	51.4	95.5

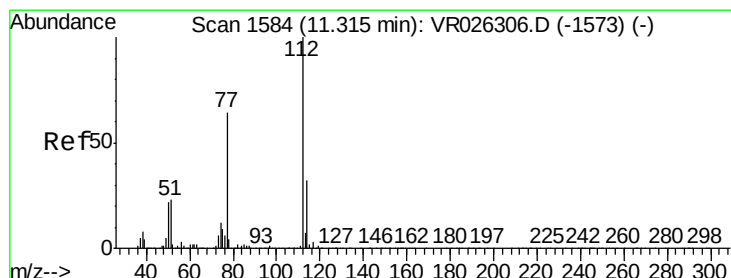
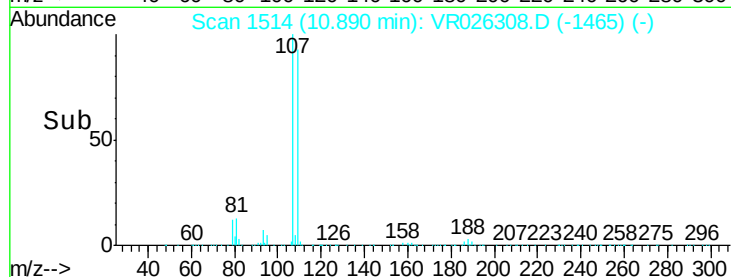
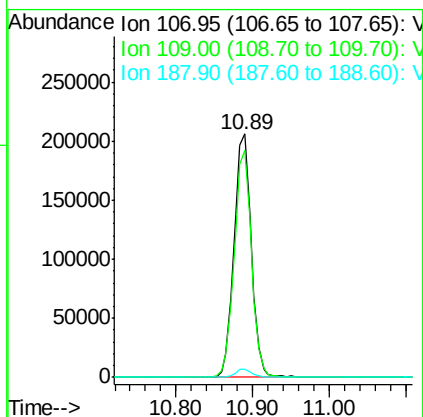
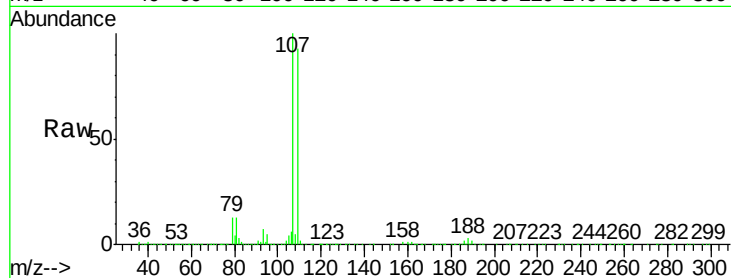




#50
1,2-Dibromoethane
Concen: 20.837 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026308.D
Acq: 11 Feb 2019 14:21

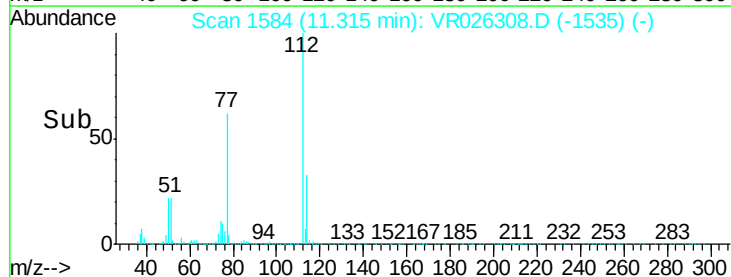
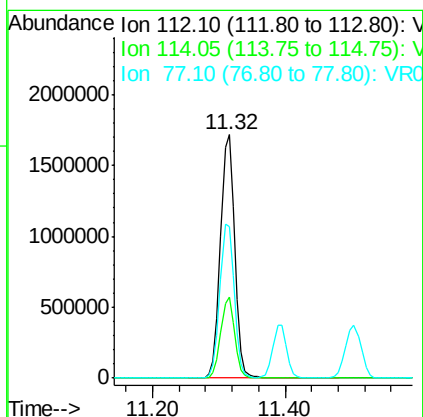
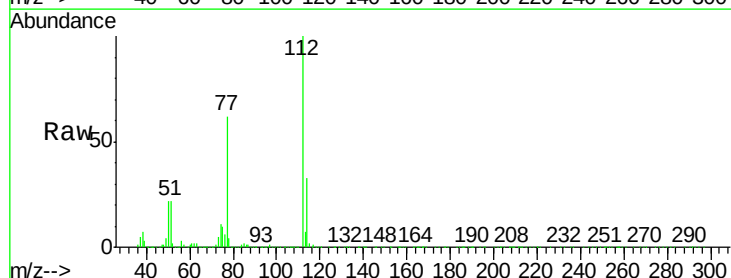
Instrument :
MSVOA_R
ClientSampled :
VSTD02085

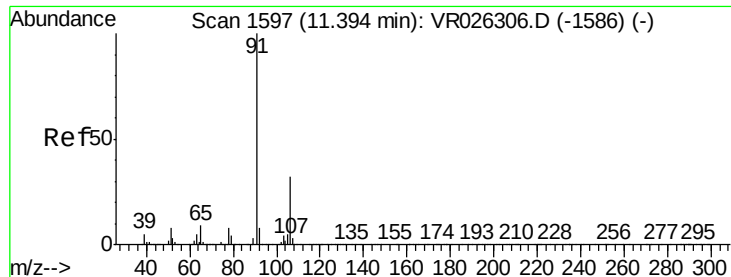
Tgt Ion:107 Resp: 323551
Ion Ratio Lower Upper
107 100
109 93.0 72.7 135.1
188 3.4 1.9 2.9#



#51
Chlorobenzene
Concen: 20.084 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026308.D
Acq: 11 Feb 2019 14:21

Tgt Ion:112 Resp: 2556459
Ion Ratio Lower Upper
112 100
114 33.3 22.5 41.9
77 62.3 51.3 76.9





#52

Ethylbenzene

Concen: 21.387 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

Instrument :

MSVOA_R

ClientSampleId :

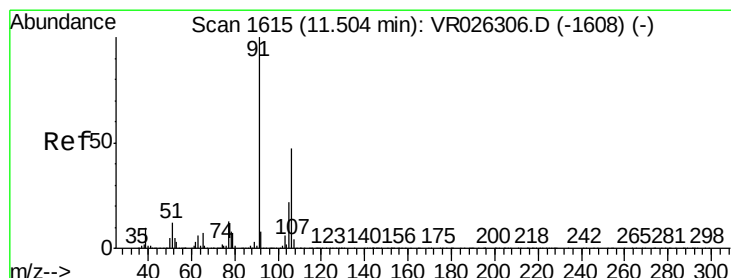
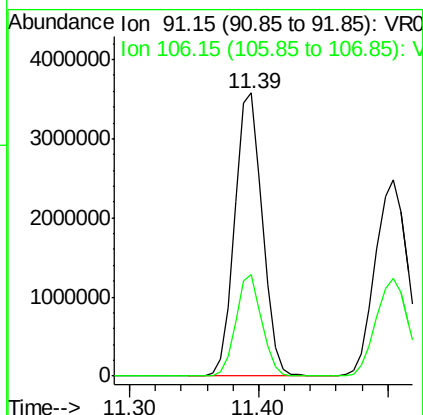
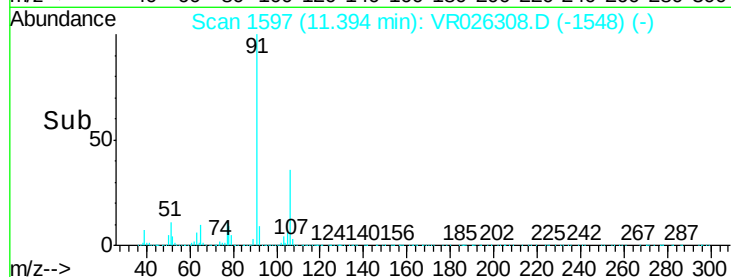
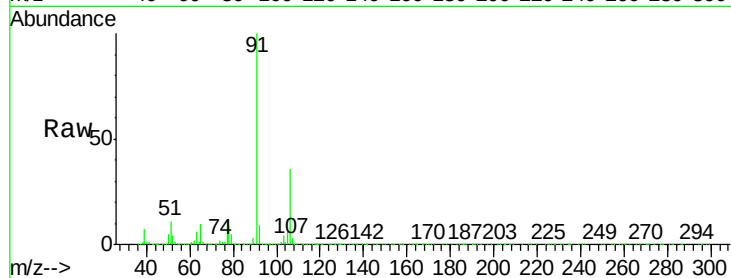
VSTD02085

Tgt Ion: 91 Resp: 5323191

Ion Ratio Lower Upper

91 100

106 35.7 22.3 41.3



#53

m,p-Xylene

Concen: 23.084 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026308.D

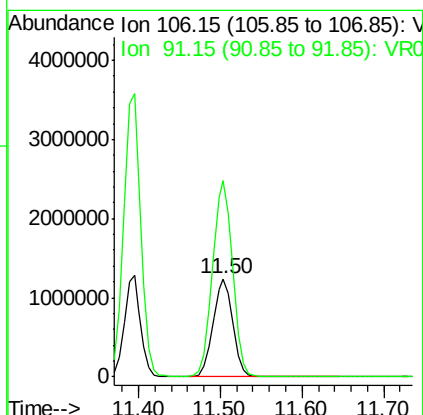
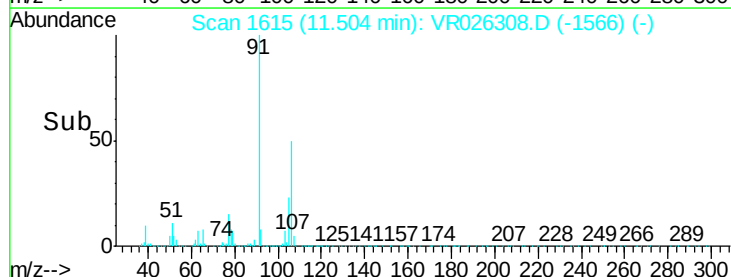
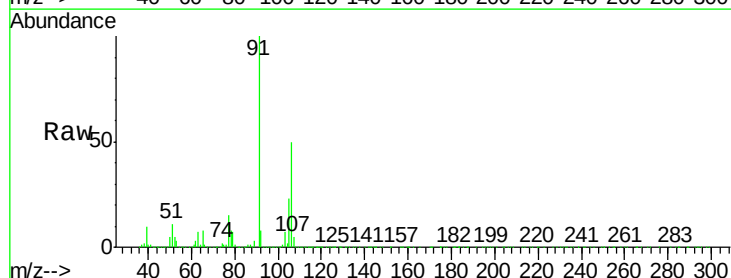
Acq: 11 Feb 2019 14:21

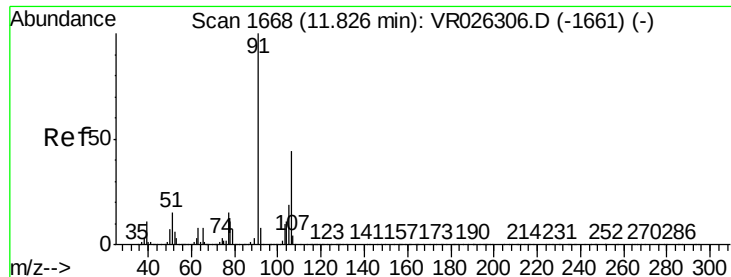
Tgt Ion: 106 Resp: 2099371

Ion Ratio Lower Upper

106 100

91 199.5 148.2 275.2

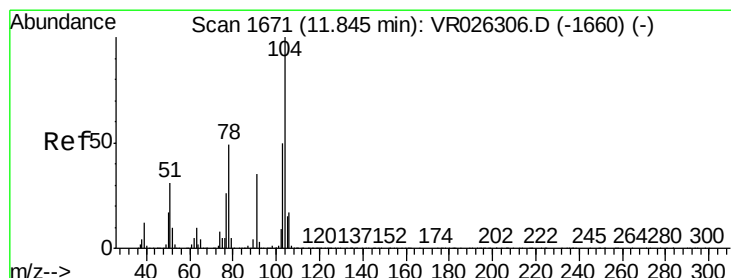
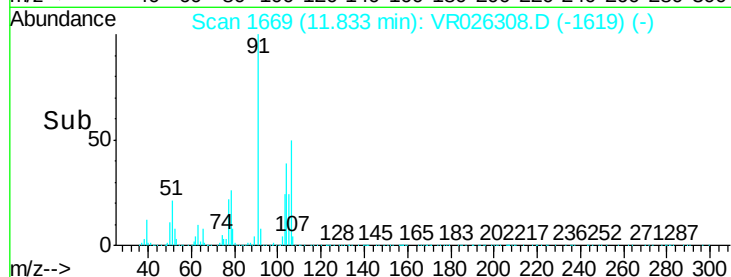
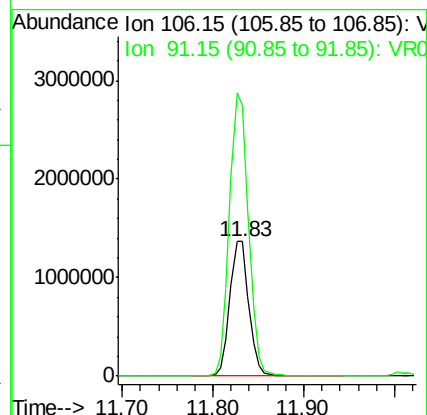
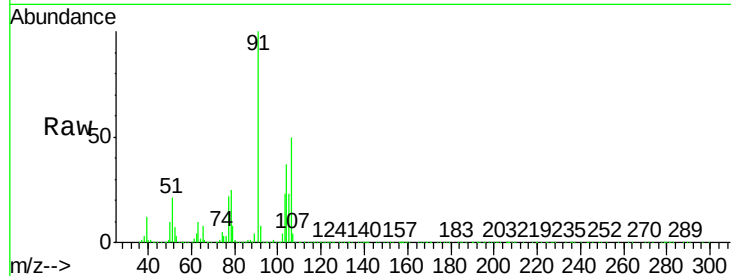




#54
o-Xylene
Concen: 25.463 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR026308.D
Acq: 11 Feb 2019 14:21

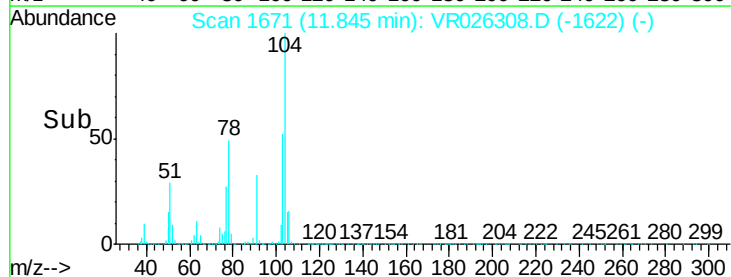
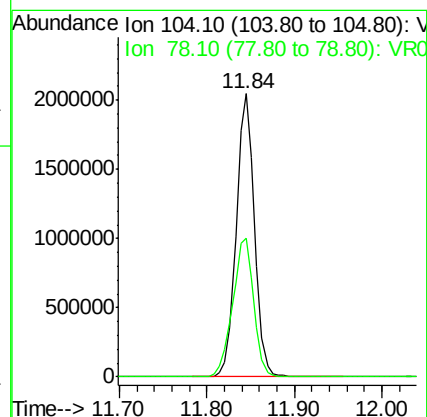
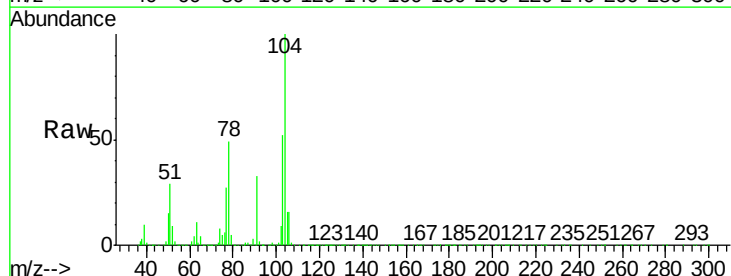
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

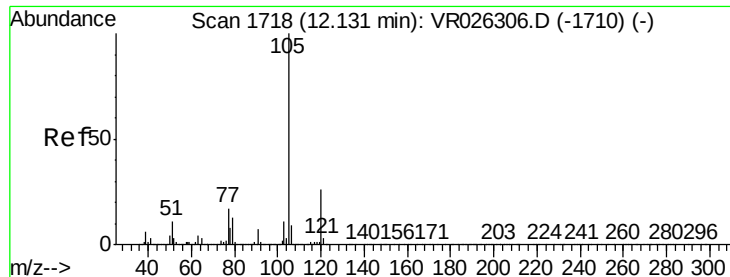
Tgt Ion:106 Resp: 1997193
Ion Ratio Lower Upper
106 100
91 200.4 159.8 296.8



#55
Styrene
Concen: 24.179 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026308.D
Acq: 11 Feb 2019 14:21

Tgt Ion:104 Resp: 2979102
Ion Ratio Lower Upper
104 100
78 48.9 34.5 64.1





#56

Isopropylbenzene

Concen: 23.281 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

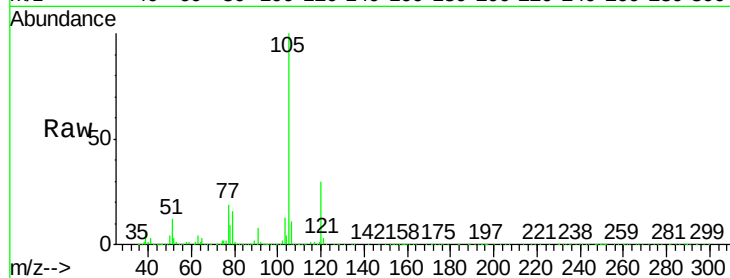
Tgt Ion: 105 Resp: 5191274

Ion Ratio Lower Upper

105 100

120 28.4 21.1 31.7

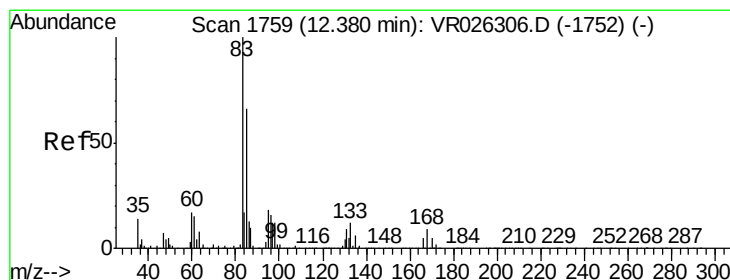
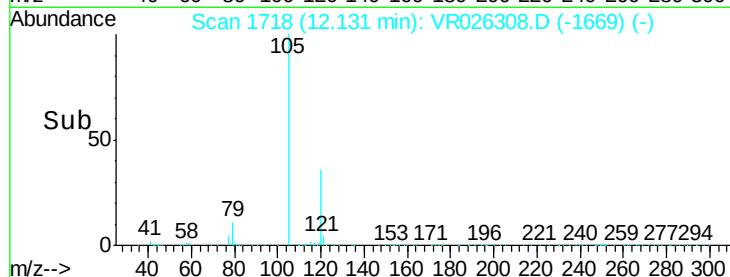
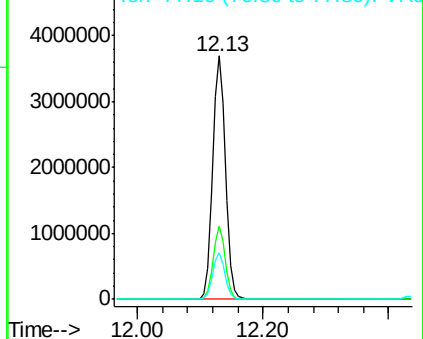
77 18.4 13.9 20.9



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: 18.834 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.01 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

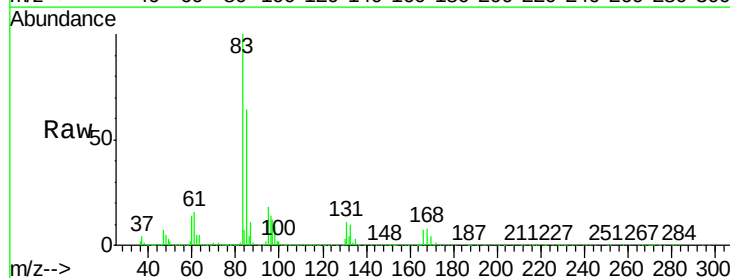
Tgt Ion: 83 Resp: 340700

Ion Ratio Lower Upper

83 100

85 63.8 46.2 85.8

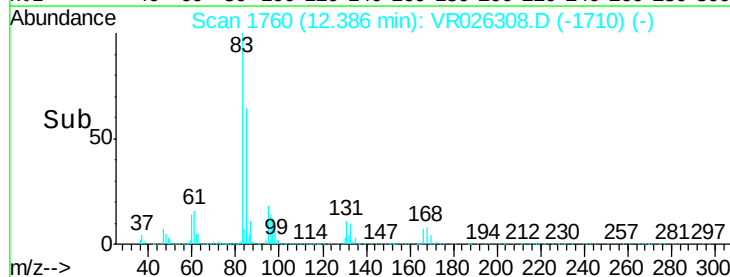
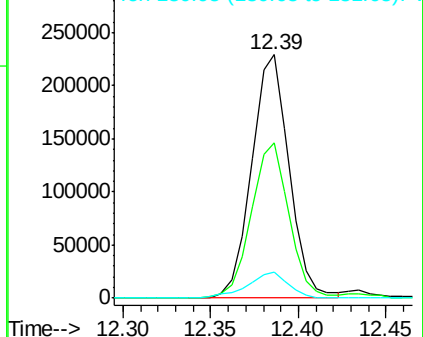
131 10.7 7.3 10.9

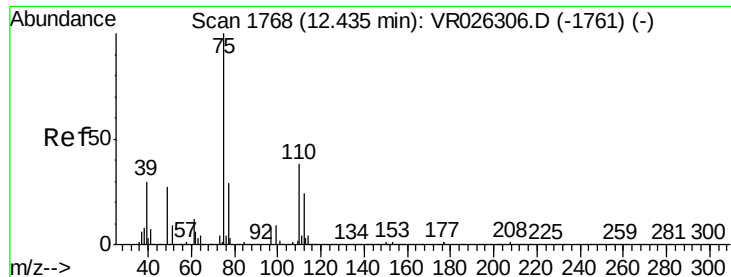


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 18.555 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

Instrument :

MSVOA_R

ClientSampleId :

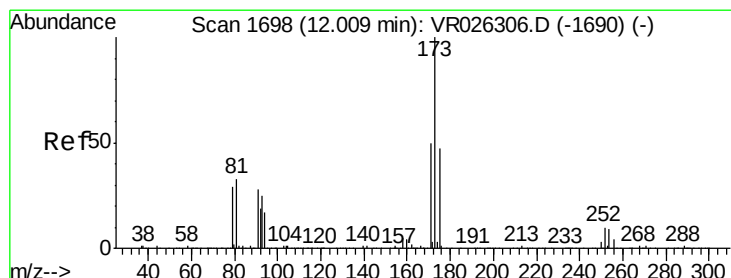
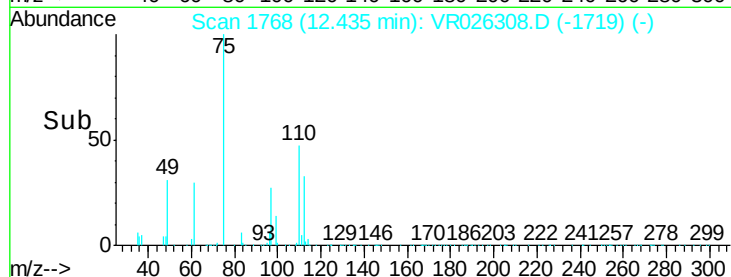
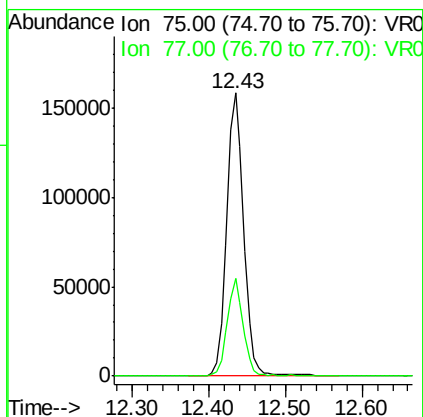
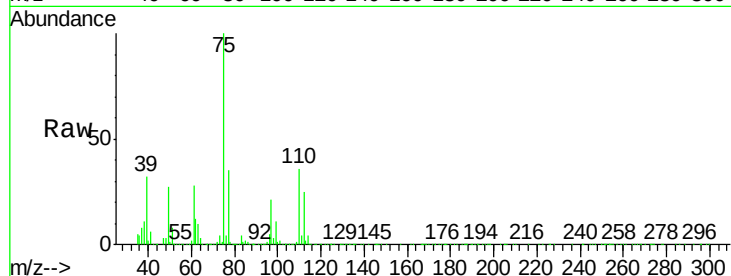
VSTD02085

Tgt Ion: 75 Resp: 241904

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



#61

Bromoform

Concen: 19.308 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

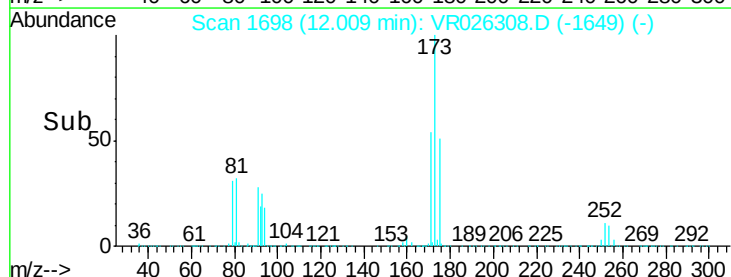
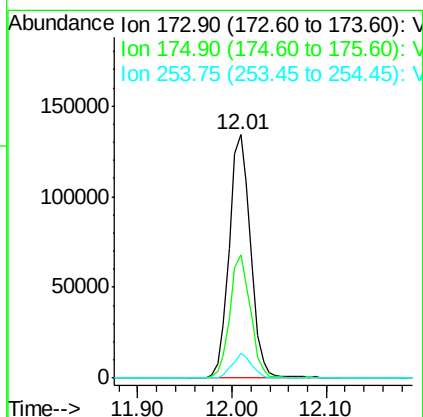
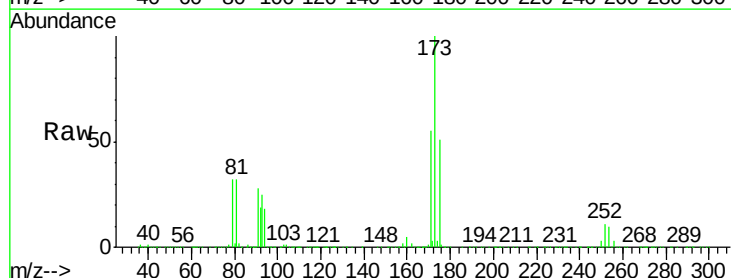
Tgt Ion: 173 Resp: 211409

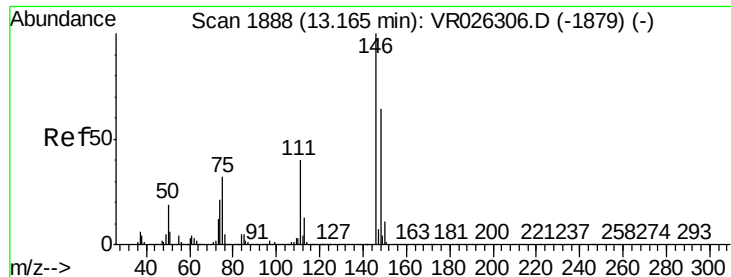
Ion Ratio Lower Upper

173 100

175 48.8 37.1 55.7

254 9.3 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 22.313 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

Instrument :

MSVOA_R

ClientSampled :

VSTD02085

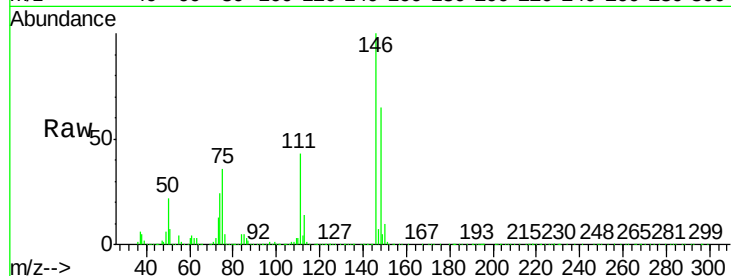
Tgt Ion:146 Resp: 1620364

Ion Ratio Lower Upper

146 100

111 43.4 28.1 52.3

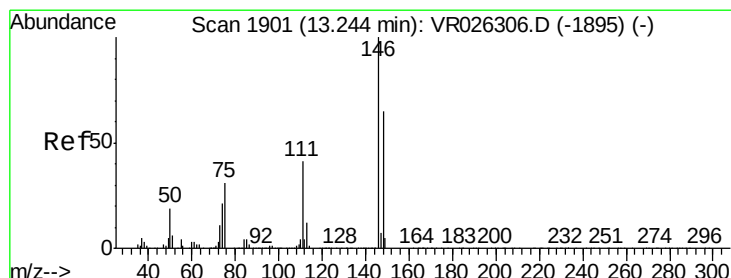
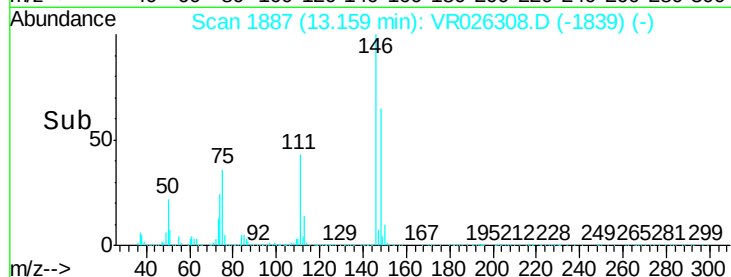
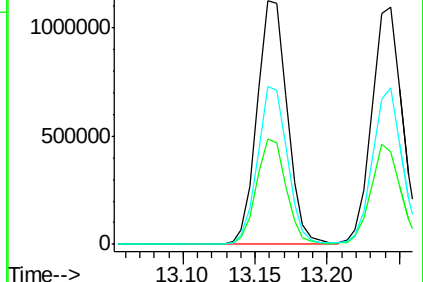
148 64.9 44.7 83.1



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: 19.399 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

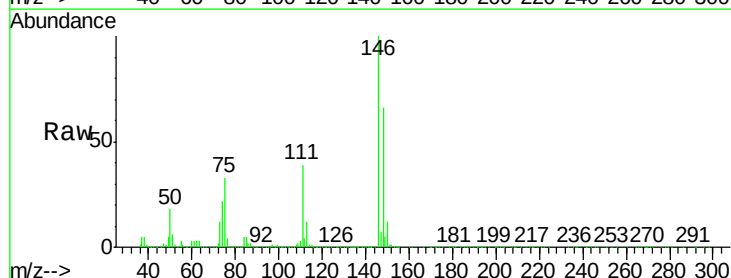
Tgt Ion:146 Resp: 1608254

Ion Ratio Lower Upper

146 100

111 38.9 29.1 54.1

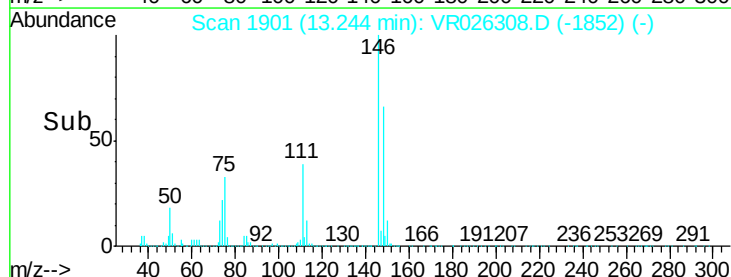
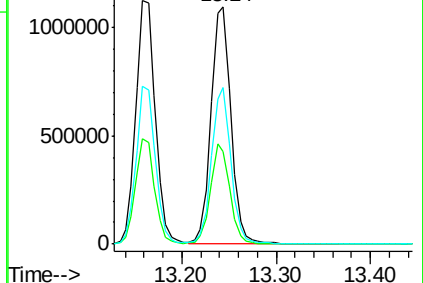
148 66.1 45.6 84.8

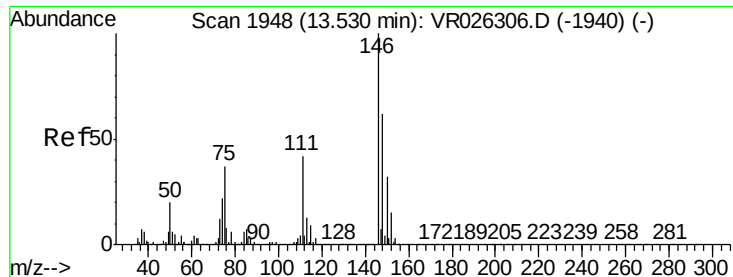


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

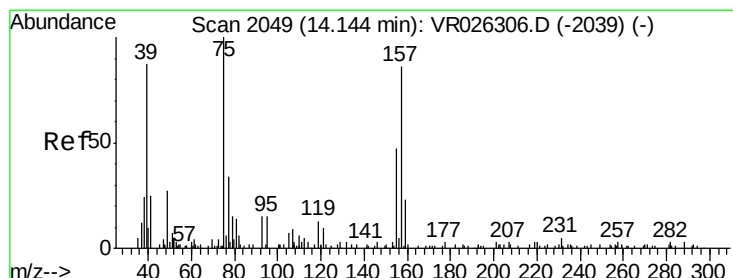
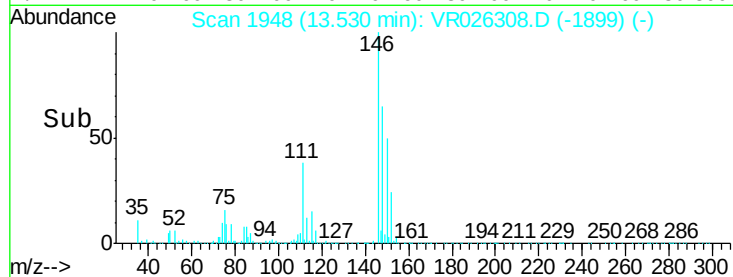
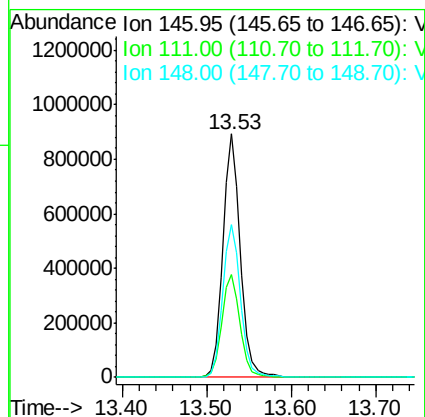
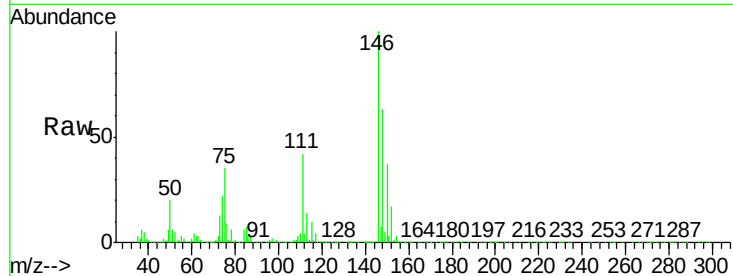




#65
 1,2-Dichlorobenzene
 Concen: 20.464 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026308.D
 Acq: 11 Feb 2019 14:21

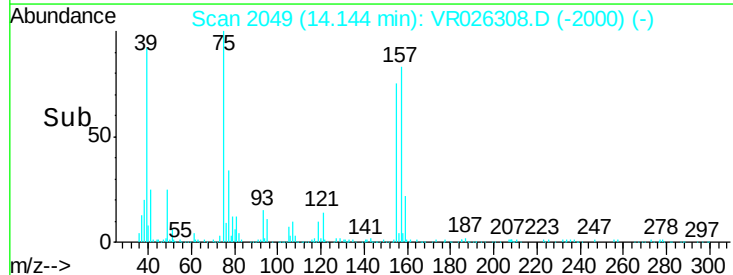
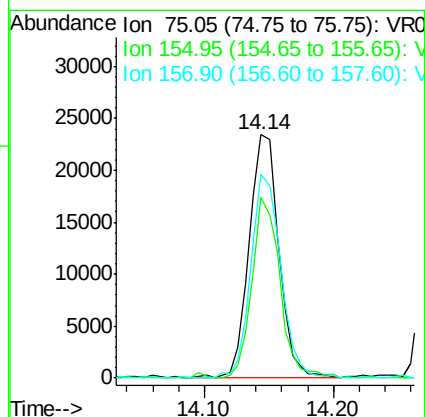
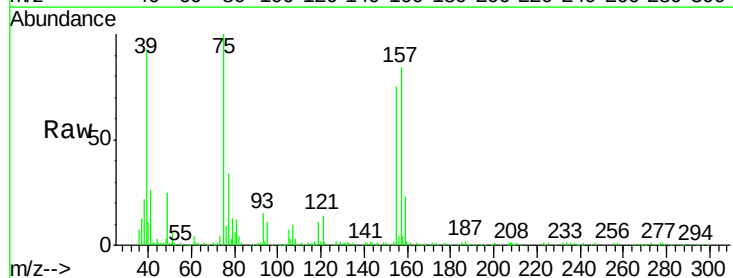
Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD02085

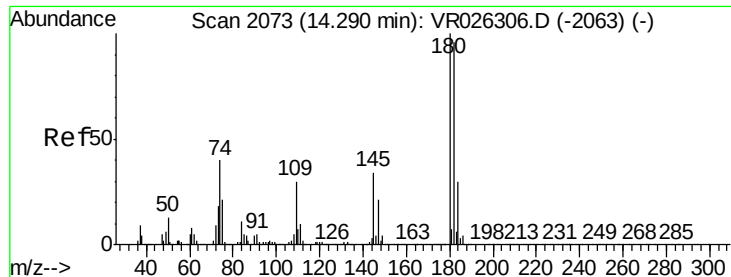
Tgt Ion:146 Resp: 1273454
 Ion Ratio Lower Upper
 146 100
 111 42.4 33.6 50.4
 148 62.9 49.4 74.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 18.663 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VR026308.D
 Acq: 11 Feb 2019 14:21

Tgt Ion: 75 Resp: 37277
 Ion Ratio Lower Upper
 75 100
 155 74.6 38.0 57.0#
 157 83.5 70.4 105.6

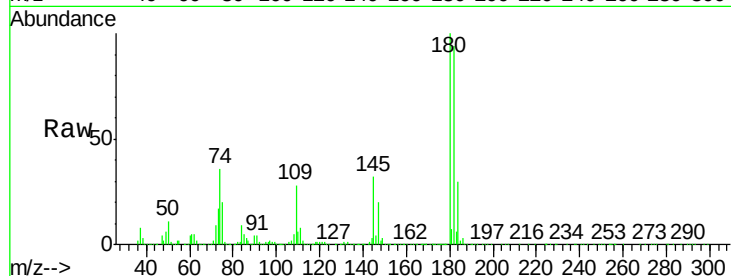




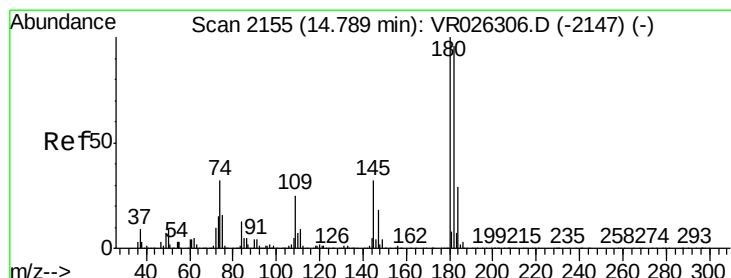
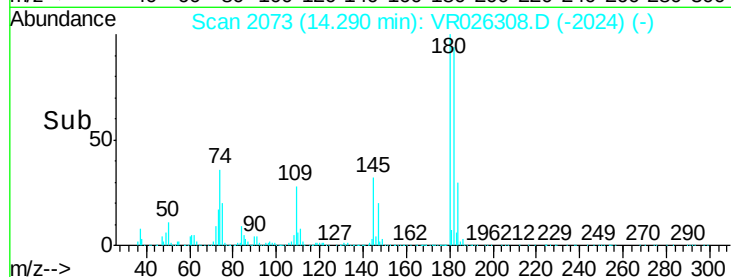
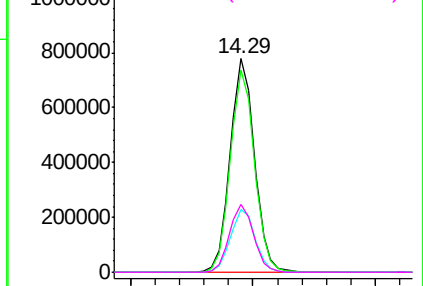
#67
 1,3,5-Trichlorobenzene
 Concen: 22.806 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026308.D
 Acq: 11 Feb 2019 14:21

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

Tgt Ion:180 Resp: 1061419
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.0 114.0
 184 29.8 23.3 34.9
 145 31.7 26.6 39.8

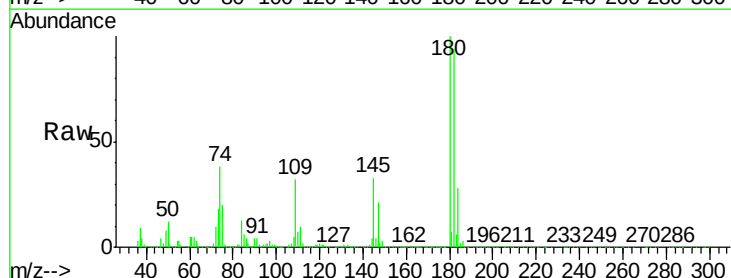


Abundance Ion 180.00 (179.70 to 180.70): V
 1200000
 1000000
 800000
 600000
 400000
 200000
 0

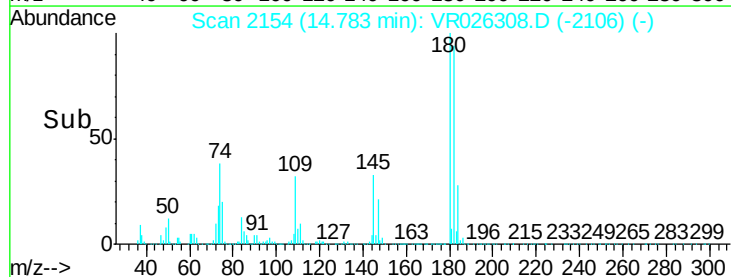
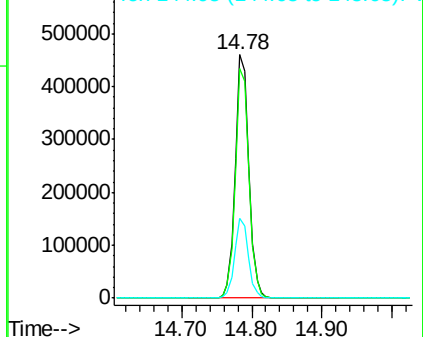


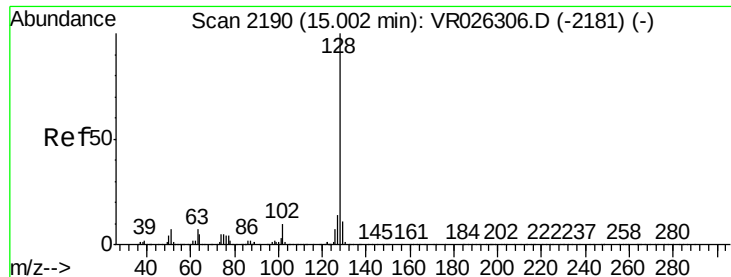
#68
 1,2,4-trichlorobenzene
 Concen: 24.664 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR026308.D
 Acq: 11 Feb 2019 14:21

Tgt Ion:180 Resp: 619511
 Ion Ratio Lower Upper
 180 100
 182 94.7 78.7 118.1
 145 33.2 25.9 38.9



Abundance Ion 179.90 (179.60 to 180.60): V
 600000
 500000
 400000
 300000
 200000
 100000
 0





#69

Naphthalene

Concen: 28.744 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

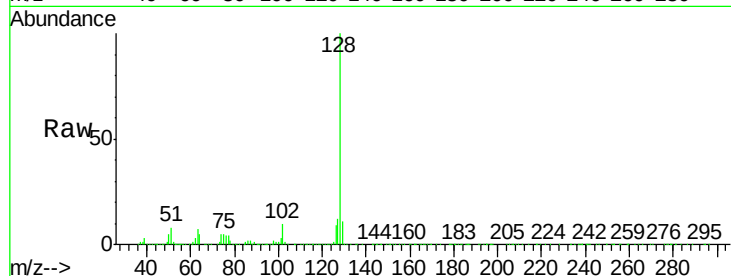
Tgt Ion:128 Resp: 647909

Ion Ratio Lower Upper

128 100

127 12.8 11.7 17.5

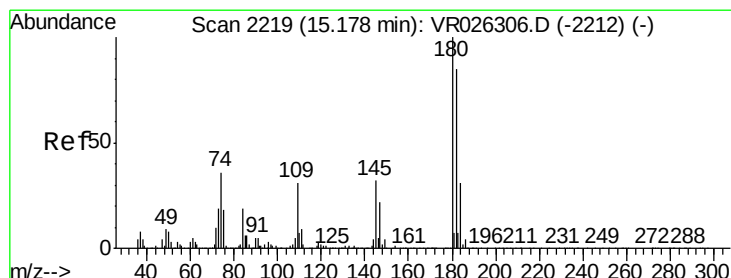
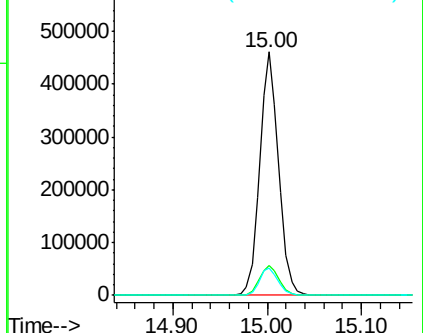
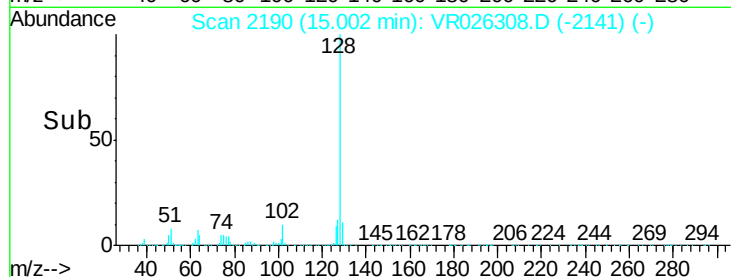
129 11.2 9.6 14.4



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: 22.901 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026308.D

Acq: 11 Feb 2019 14:21

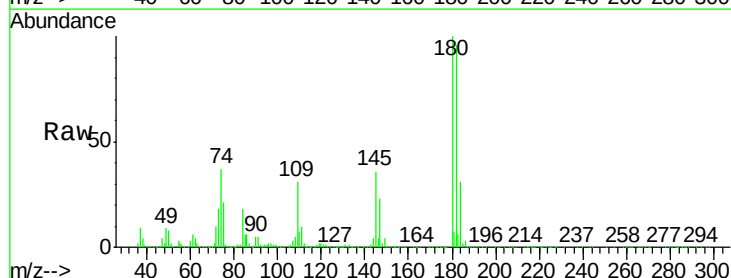
Tgt Ion:180 Resp: 415192

Ion Ratio Lower Upper

180 100

182 95.2 74.6 112.0

145 35.0 28.3 42.5



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

