

Data File : VR026341.D
Acq On : 19 Feb 2019 16:43
Operator : SY/MD
Sample : VSTD02094
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD02094

Quant Time: Feb 19 17:11:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 16:06:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	627749	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	552878	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	230865	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	913078	15.95	ug/L	0.00
7) Chloroethane-d5	2.62	69	811056	17.31	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	2329641	16.93	ug/L	0.00
20) 2-Butanone-d5	6.58	46	950963	260.57	ug/L	0.00
24) Chloroform-d	7.20	84	1811630	19.06	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	701038	20.25	ug/L	0.00
32) Benzene-d6	7.85	84	3709081	19.65	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	916793	18.96	ug/L	0.00
41) Toluene-d8	9.97	98	3545548	20.12	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	276169	21.19	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	839885	284.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	349694	19.05	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	748360	19.37	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	964320	16.672 ug/L	96
3) Chloromethane	2.02	50	1133671	17.166 ug/L	99
5) Vinyl chloride	2.17	62	1119312	16.824 ug/L	96
6) Bromomethane	2.52	94	766263	17.907 ug/L	97
8) Chloroethane	2.65	64	699212	17.494 ug/L	96
9) Trichlorofluoromethane	2.93	101	754177	7.000 ug/L	# 33
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	970461	17.030 ug/L	98
12) 1,1-Dichloroethene	3.62	96	1022133	17.042 ug/L	93
13) Acetone	3.69	43	747395	194.177 ug/L	98
14) Carbon disulfide	3.92	76	3261885	16.634 ug/L	99
15) Methyl Acetate	4.19	43	194712	18.380 ug/L	98
16) Methylene chloride	4.40	84	870835	17.149 ug/L	93
17) Methyl tert-butyl Ether	4.89	73	1217502	23.122 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	1049524	19.280 ug/L	93
19) 1,1-Dichloroethane	5.69	63	1804043	19.307 ug/L	98
21) 2-Butanone	6.68	43	1105576	253.725 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	1012985	23.071 ug/L	# 99
23) Bromochloromethane	7.05	128	270082	19.719 ug/L	93
25) Chloroform	7.23	83	1769150	19.490 ug/L	97
27) 1,2-Dichloroethane	7.99	62	787424	20.054 ug/L	# 96
29) 1,1,1-Trichloroethane	7.43	97	1653889	18.172 ug/L	99
30) Cyclohexane	7.51	56	1630987	22.382 ug/L	100
31) Carbon tetrachloride	7.63	117	1480917	17.554 ug/L	99
33) Benzene	7.90	78	4276281	19.548 ug/L	100
34) Trichloroethene	8.71	95	1106719	19.621 ug/L	98
35) Methylcyclohexane	8.95	83	1700736	21.683 ug/L	98
37) 1,2-Dichloropropane	8.99	63	883291	18.699 ug/L	98
38) Bromodichloromethane	9.28	83	1013061	19.233 ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	1158168	23.829 ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	2769902	254.392 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	4527330	20.135	ug/L	94
44) trans-1,3-Dichloropropene	10.26	75	836195	23.191	ug/L	98
45) 1,1,2-Trichloroethane	10.44	97	374381	18.982	ug/L	96
47) Tetrachloroethene	10.51	164	846477	19.558	ug/L	97
48) 2-Hexanone	10.63	43	1827168	249.561	ug/L	96
49) Dibromochloromethane	10.78	129	525503	20.731	ug/L	100
50) 1,2-Dibromoethane	10.88	107	326191	20.800	ug/L #	95
51) Chlorobenzene	11.32	112	2460041	19.135	ug/L	98
52) Ethylbenzene	11.39	91	5123977	20.383	ug/L	92
53) m,p-Xylene	11.50	106	2015948	21.948	ug/L	97
54) o-Xylene	11.83	106	1916919	24.198	ug/L	94
55) Styrene	11.84	104	2887073	23.200	ug/L	97
56) Isopropylbenzene	12.13	105	5047484	22.412	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	361039	19.761	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	254765	19.348	ug/L	97
61) Bromoform	12.01	173	213312	18.761	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	1610873	21.362	ug/L	100
63) 1,4-Dichlorobenzene	13.24	146	1600441	18.591	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	1285260	19.890	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	39566	16.939	ug/L	92
67) 1,3,5-Trichlorobenzene	14.29	180	1067806	22.095	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	642198	24.622	ug/L	98
69) Naphthalene	15.00	128	704773	30.111	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	451213	23.968	ug/L	99

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

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ClientSampleId :
VSTD02094

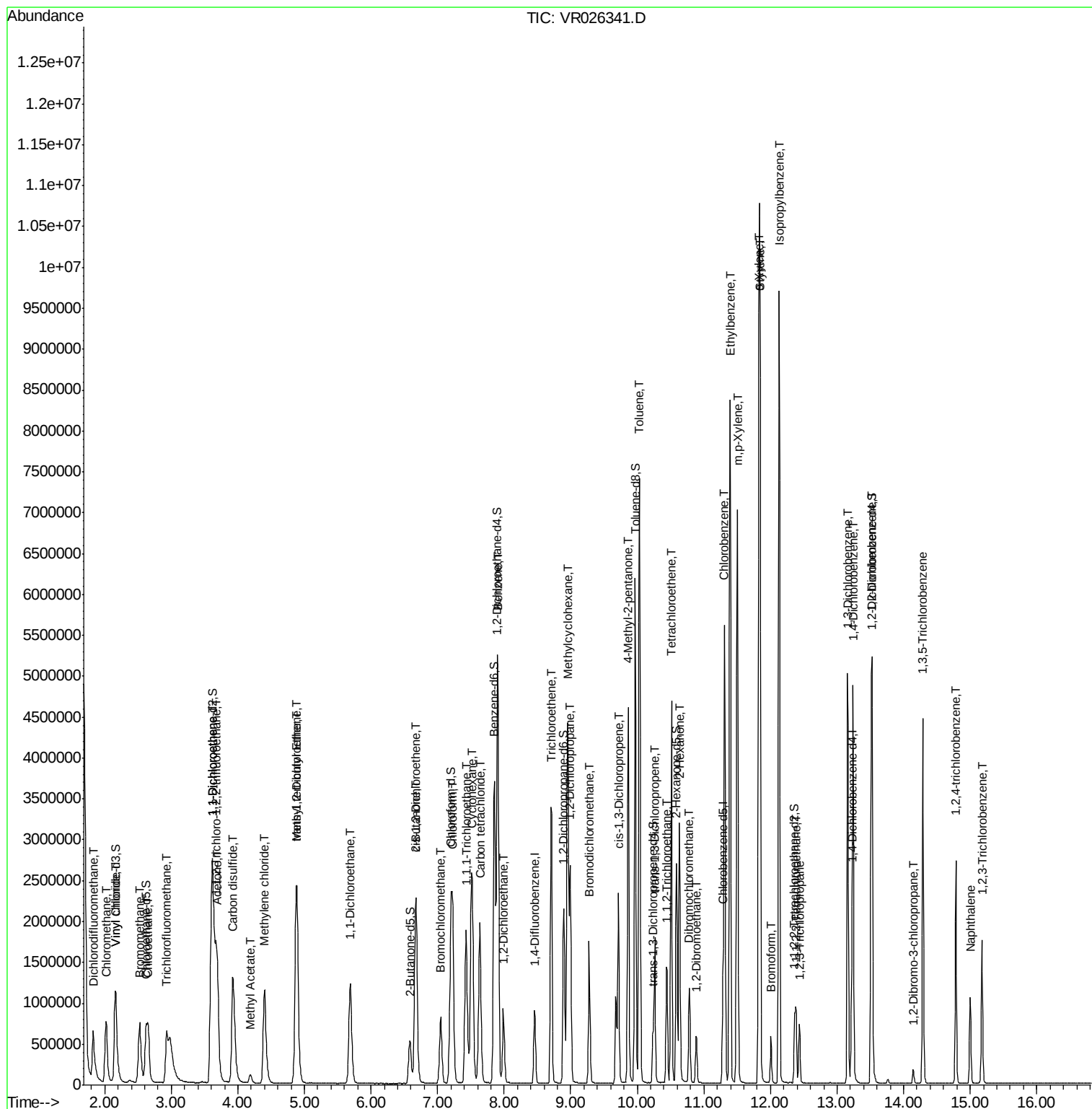
Quant Time: Feb 19 17:11:31 2019

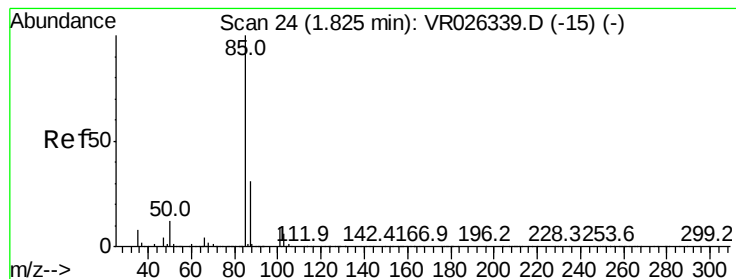
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021919WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 16.672 ug/L

RT: 1.82 min Scan# 24

Delta R.T. -0.00 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Instrument :

MSVOA_R

ClientSampleId :

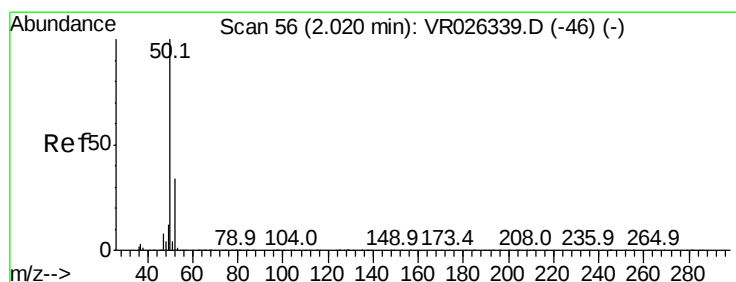
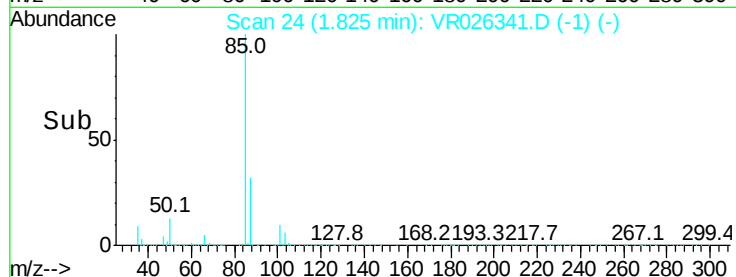
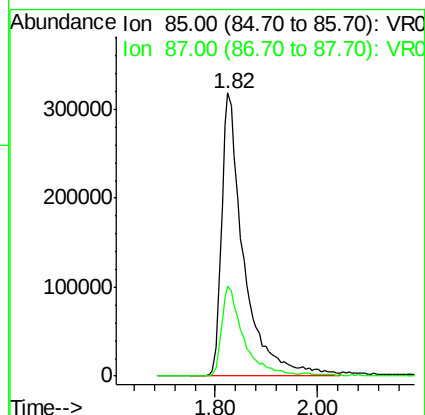
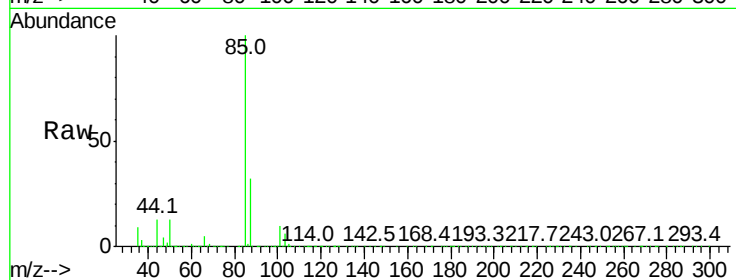
VSTD02094

Tgt Ion: 85 Resp: 964320

Ion Ratio Lower Upper

85 100

87 31.1 26.9 40.3



#3

Chloromethane

Concen: 17.166 ug/L

RT: 2.02 min Scan# 56

Delta R.T. -0.00 min

Lab File: VR026341.D

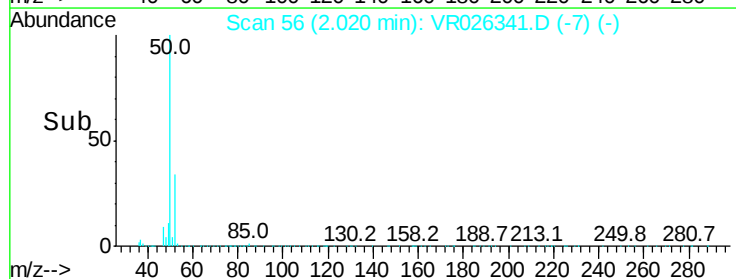
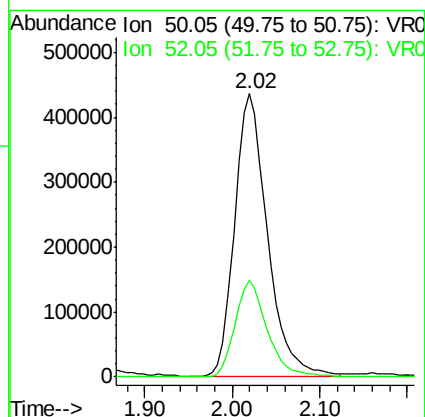
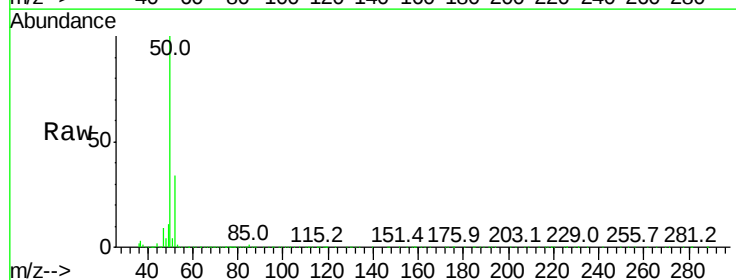
Acq: 19 Feb 2019 16:43

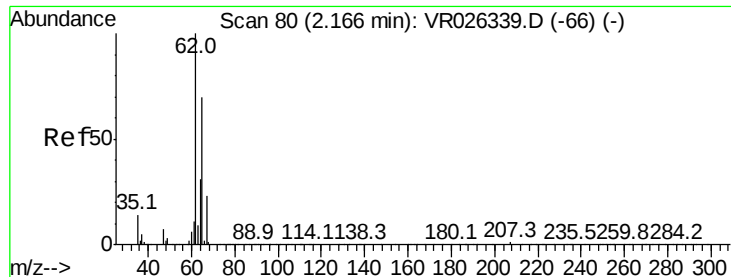
Tgt Ion: 50 Resp: 1133671

Ion Ratio Lower Upper

50 100

52 34.2 23.5 43.7





#5

Vinyl chloride

Concen: 16.824 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Instrument :

MSVOA_R

ClientSampleId :

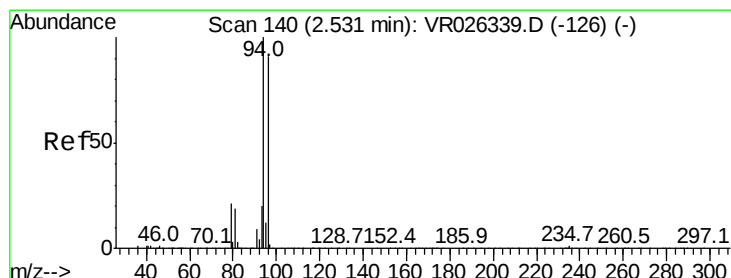
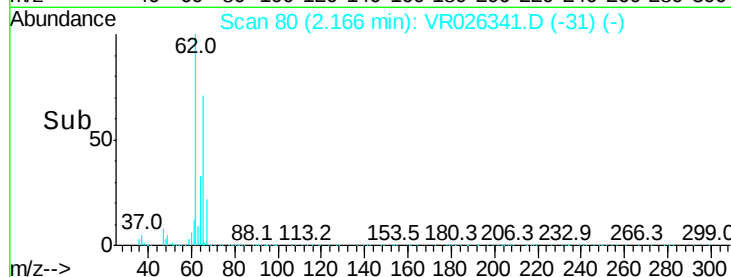
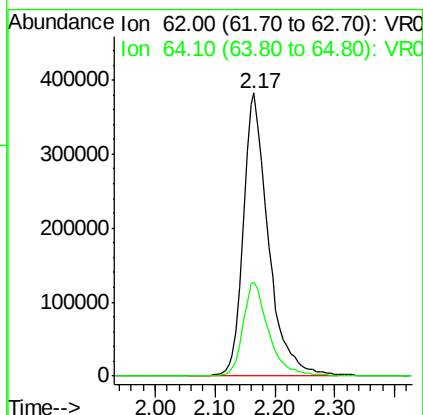
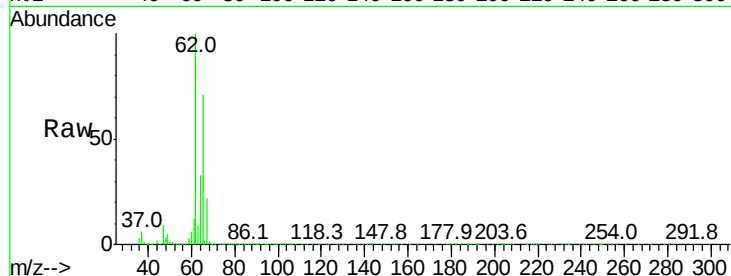
VSTD02094

Tgt Ion: 62 Resp: 1119312

Ion Ratio Lower Upper

62 100

64 33.3 21.6 40.2



#6

Bromomethane

Concen: 17.907 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.01 min

Lab File: VR026341.D

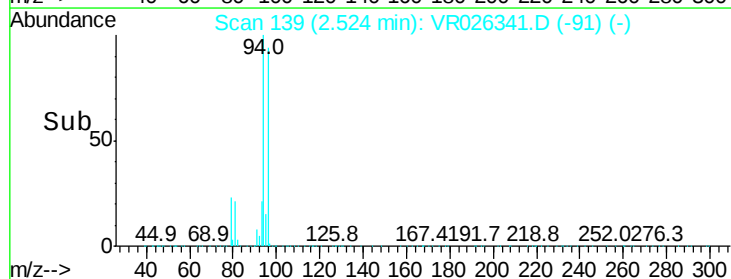
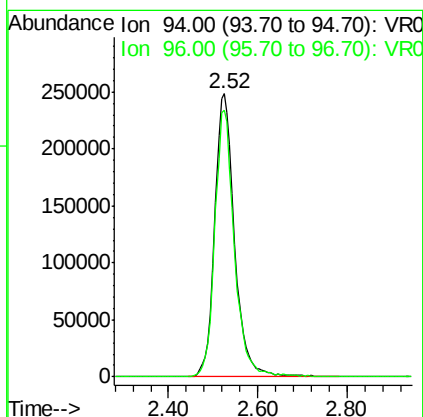
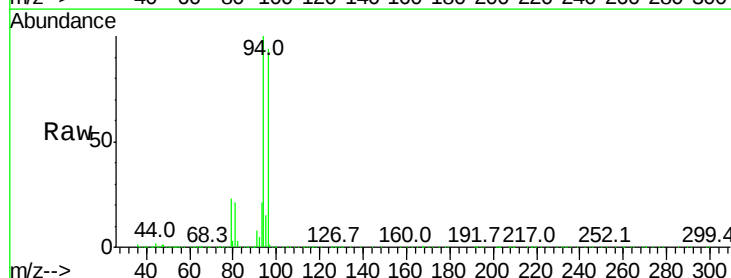
Acq: 19 Feb 2019 16:43

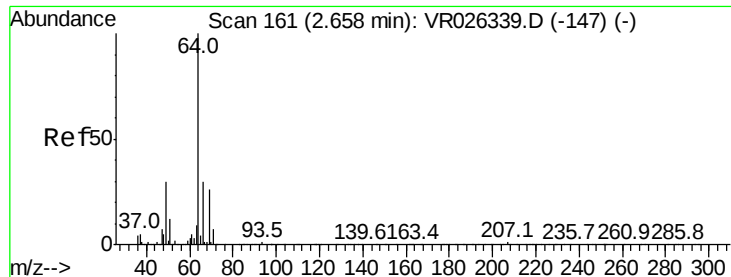
Tgt Ion: 94 Resp: 766263

Ion Ratio Lower Upper

94 100

96 94.4 63.8 118.4





#8

Chloroethane

Concen: 17.494 ug/L

RT: 2.65 min Scan# 160

Delta R.T. -0.01 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Instrument :

MSVOA_R

ClientSampleId :

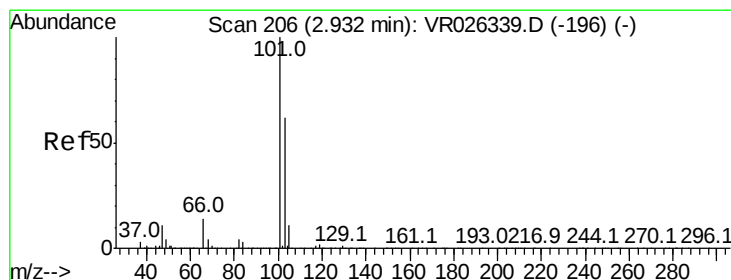
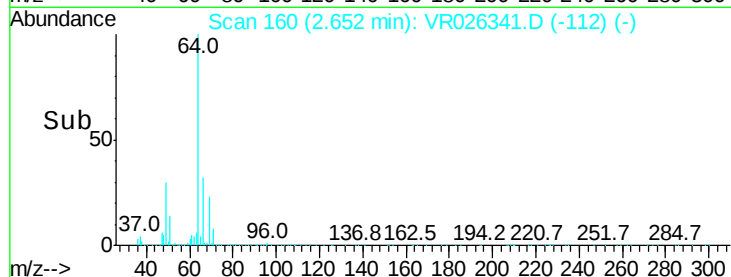
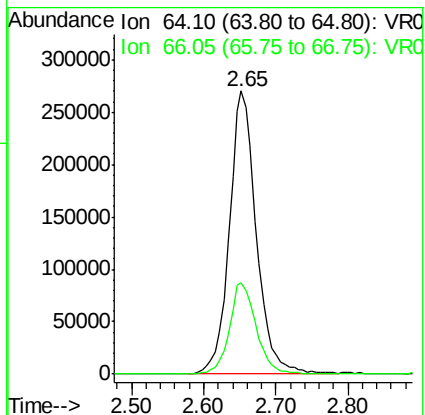
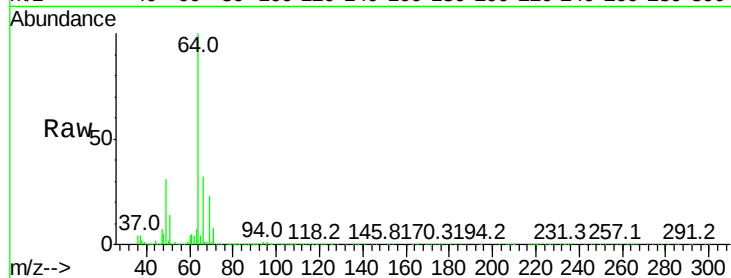
VSTD02094

Tgt Ion: 64 Resp: 699212

Ion Ratio Lower Upper

64 100

66 32.5 21.2 39.4



#9

Trichlorofluoromethane

Concen: 7.000 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.00 min

Lab File: VR026341.D

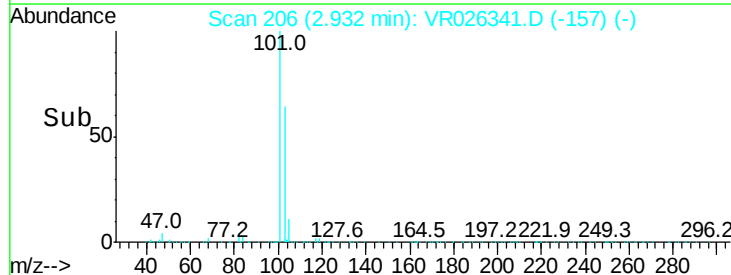
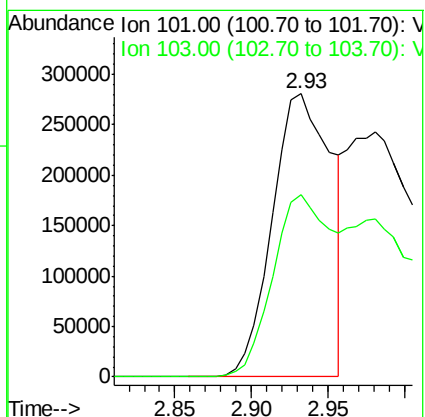
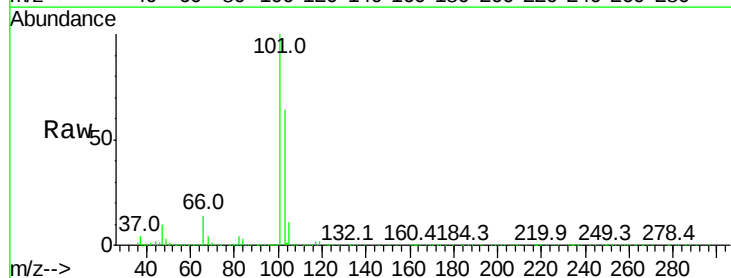
Acq: 19 Feb 2019 16:43

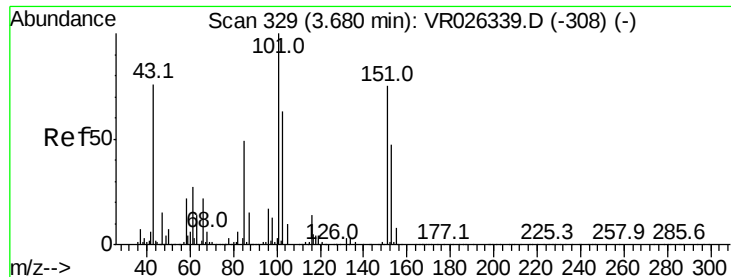
Tgt Ion: 101 Resp: 754177

Ion Ratio Lower Upper

101 100

103 64.1 22.9 34.3#





#10

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

Concen: 17.030 ug/L

RT: 3.67 min Scan# 328

Delta R.T. -0.01 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD02094

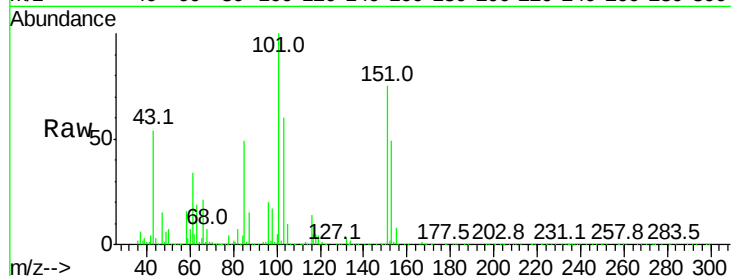
Tgt Ion:101 Resp: 970461

Ion Ratio Lower Upper

101 100

85 47.6 37.3 55.9

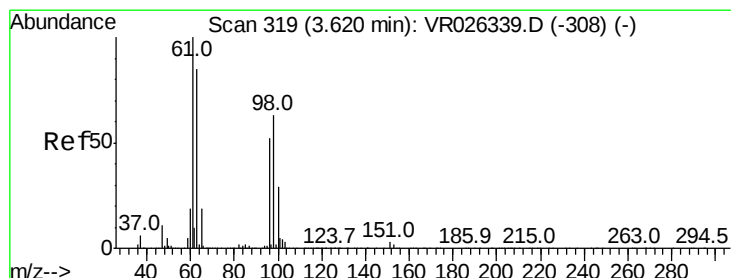
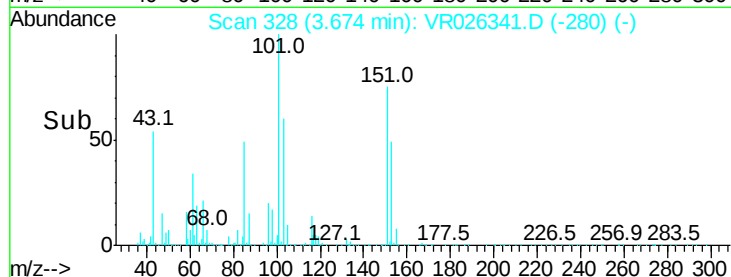
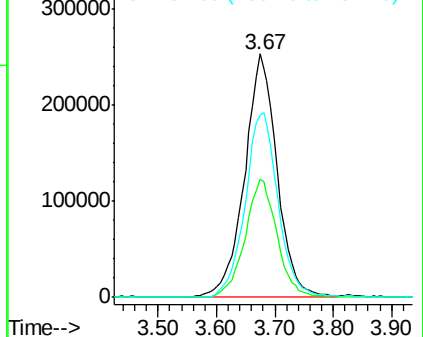
151 77.3 60.4 90.6



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: 17.042 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.00 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

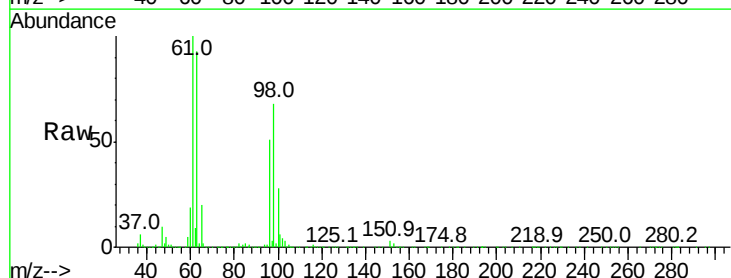
Tgt Ion: 96 Resp: 1022133

Ion Ratio Lower Upper

96 100

61 195.3 134.5 249.9

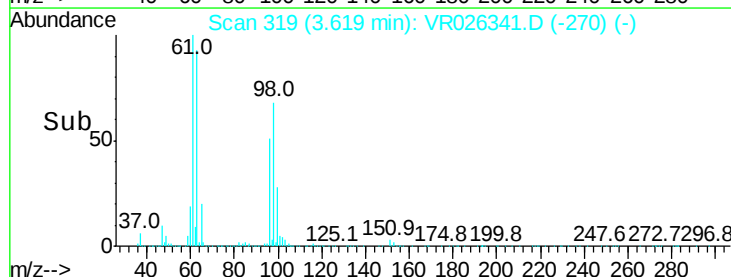
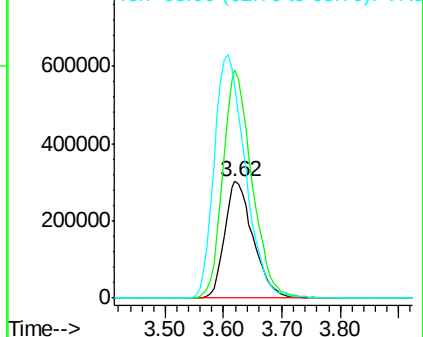
63 182.2 115.5 214.5

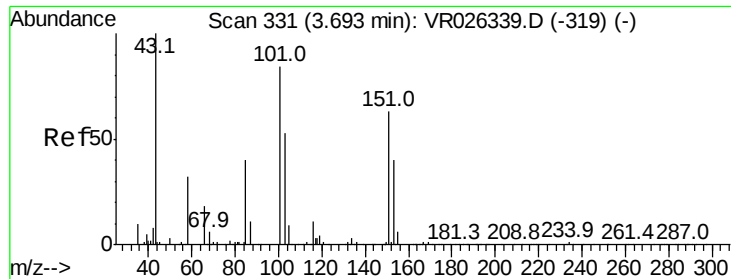


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 194.177 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.00 min

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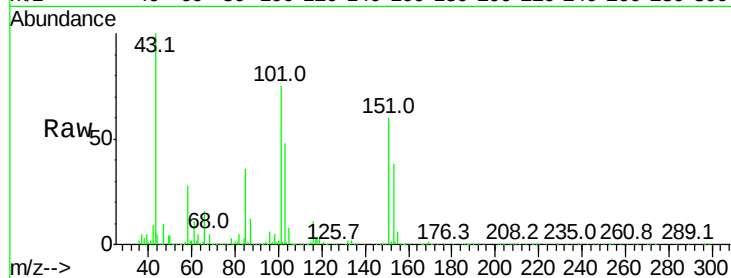
VSTD02094

Tgt Ion: 43 Resp: 747395

Ion Ratio Lower Upper

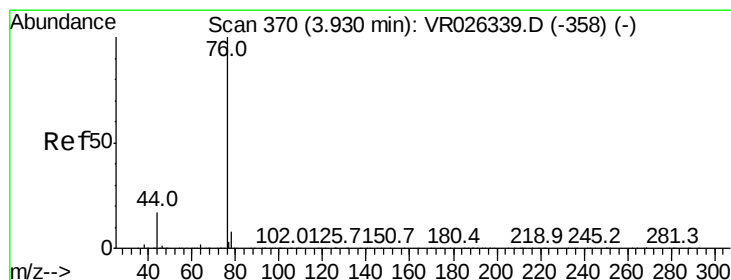
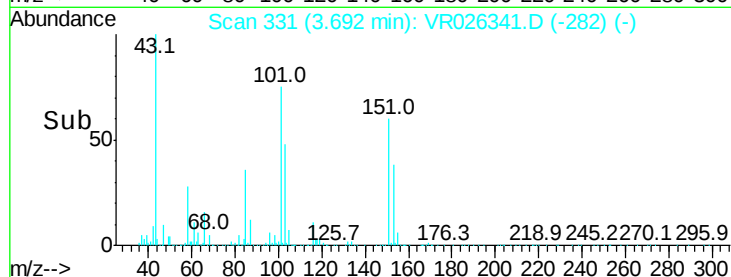
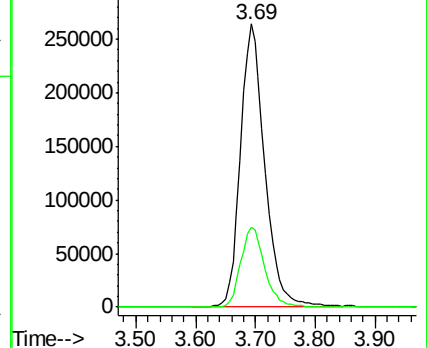
43 100

58 27.8 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 16.634 ug/L

RT: 3.92 min Scan# 369

Delta R.T. -0.01 min

Lab File: VR026341.D

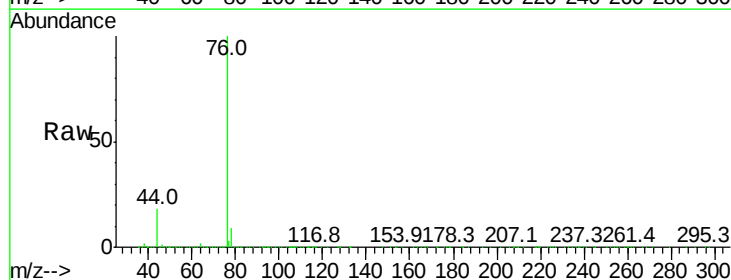
Acq: 19 Feb 2019 16:43

Tgt Ion: 76 Resp: 3261885

Ion Ratio Lower Upper

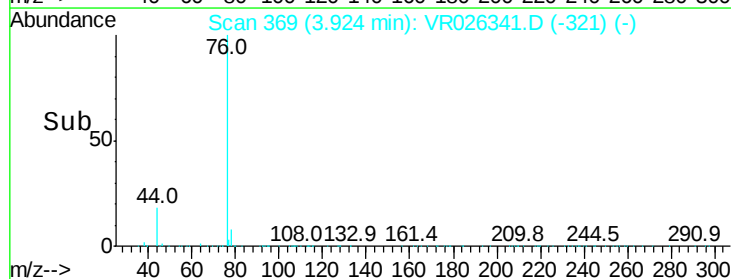
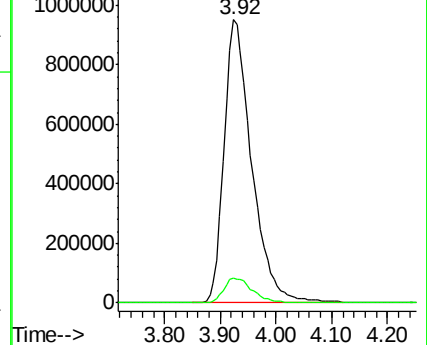
76 100

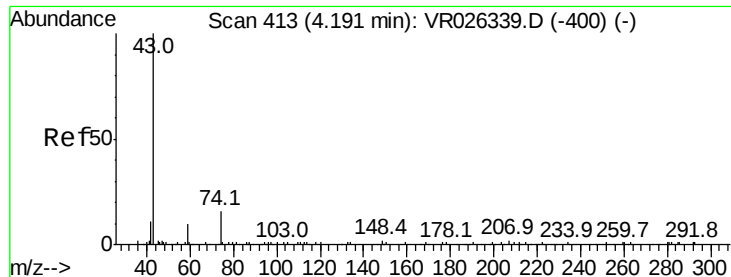
78 8.8 6.7 10.1



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

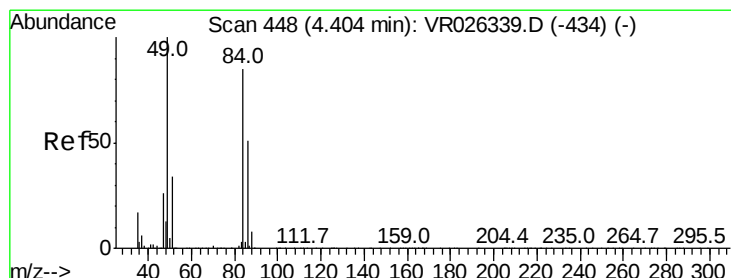
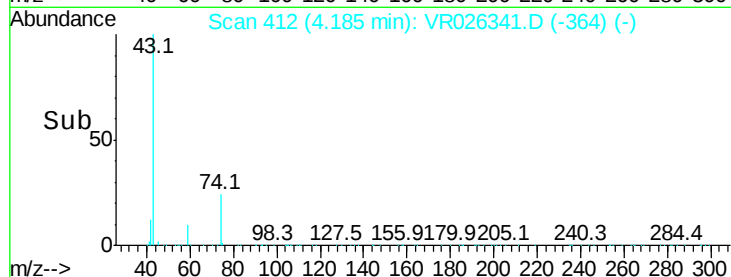
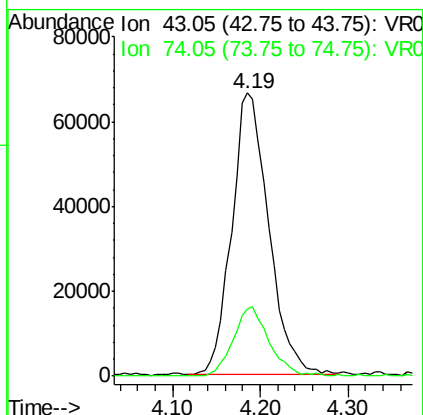
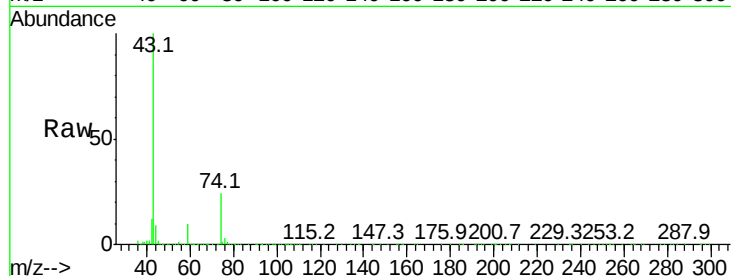




#15
Methyl Acetate
Concen: 18.380 ug/L
RT: 4.19 min Scan# 412
Delta R.T. -0.01 min
Lab File: VR026341.D
Acq: 19 Feb 2019 16:43

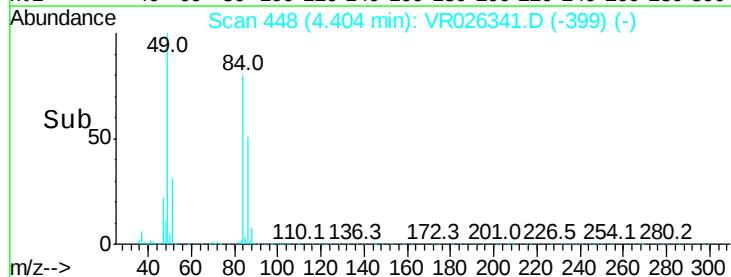
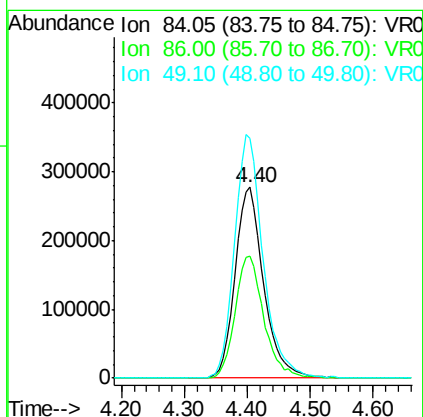
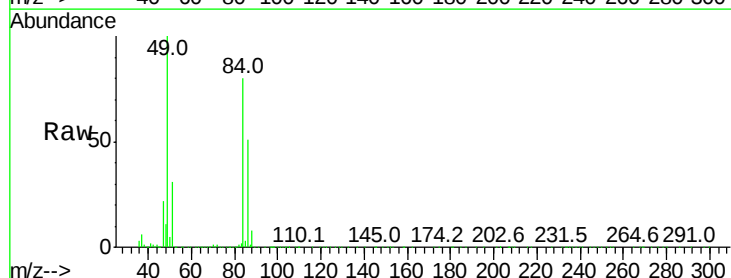
Instrument :
MSVOA_R
ClientSampleId :
VSTD02094

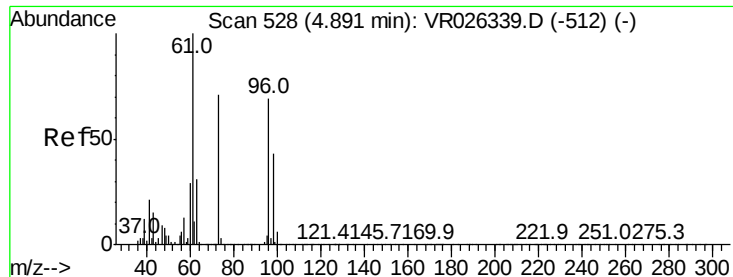
Tgt Ion: 43 Resp: 194712
Ion Ratio Lower Upper
43 100
74 24.1 18.6 28.0



#16
Methylene chloride
Concen: 17.149 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR026341.D
Acq: 19 Feb 2019 16:43

Tgt Ion: 84 Resp: 870835
Ion Ratio Lower Upper
84 100
86 64.1 41.9 77.7
49 125.7 82.2 152.6





#17

Methyl tert-butyl Ether

Concen: 23.122 ug/L

RT: 4.89 min Scan# 528

Delta R.T. -0.00 min

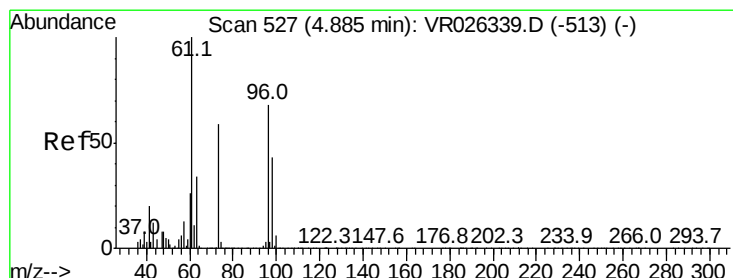
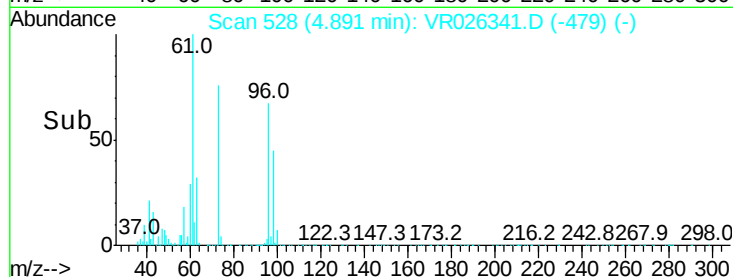
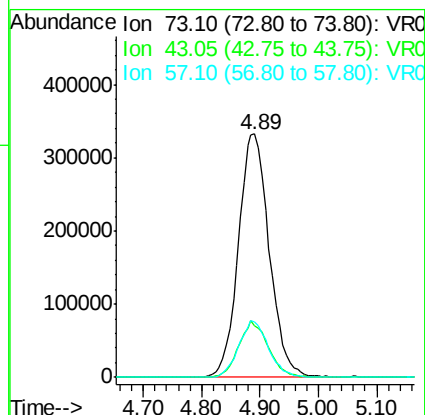
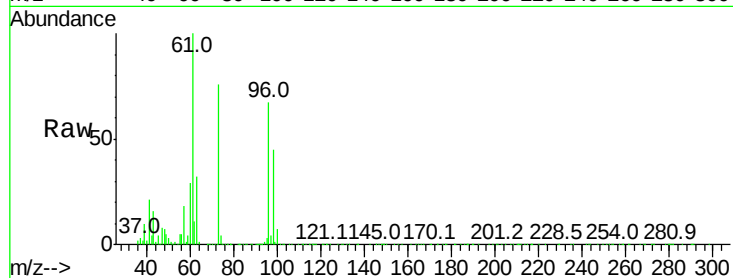
Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Instrument :
MSVOA_R
ClientSampleId :
VSTD02094

Tgt Ion: 73 Resp: 1217502

Ion	Ratio	Lower	Upper
73	100		
43	22.3	18.2	27.2
57	22.5	17.9	26.9



#18

trans-1,2-Dichloroethene

Concen: 19.280 ug/L

RT: 4.88 min Scan# 526

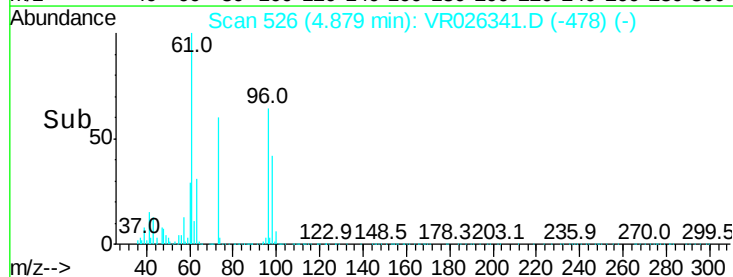
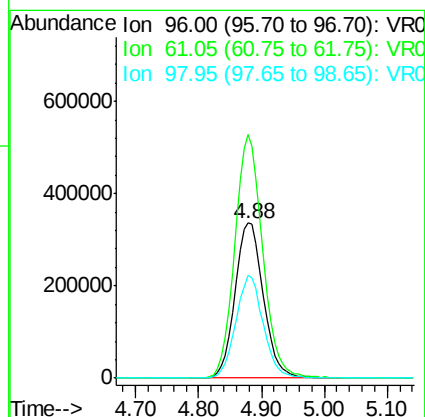
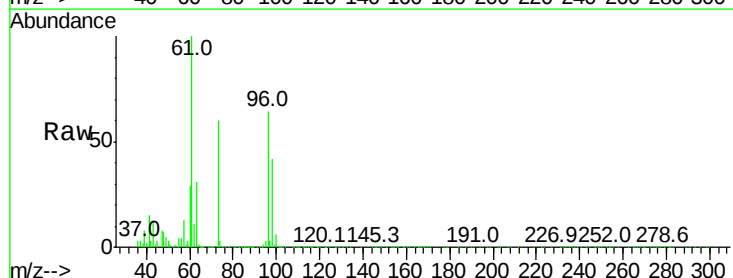
Delta R.T. -0.01 min

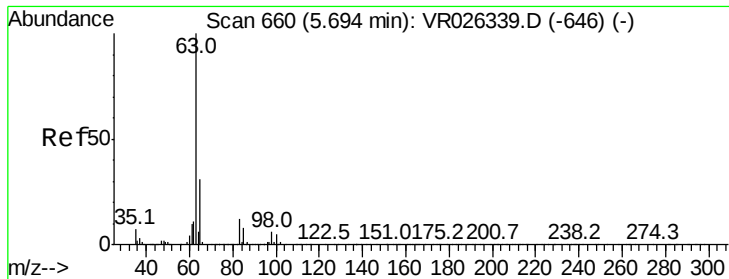
Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Tgt Ion: 96 Resp: 1049524

Ion	Ratio	Lower	Upper
96	100		
61	157.0	103.4	192.0
98	66.6	44.0	81.6

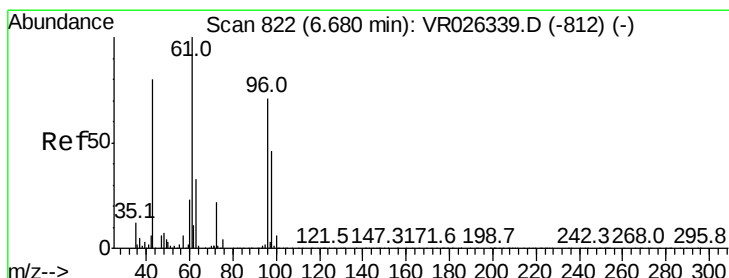
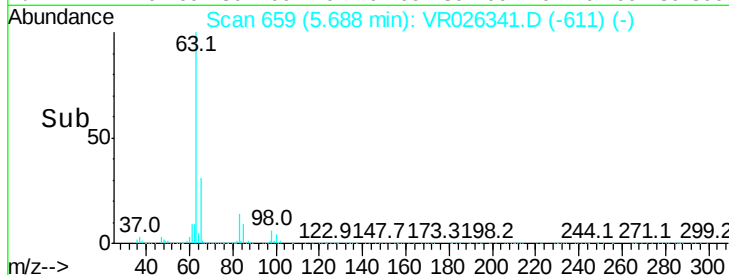
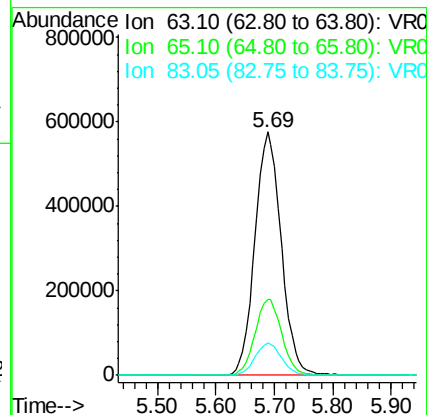
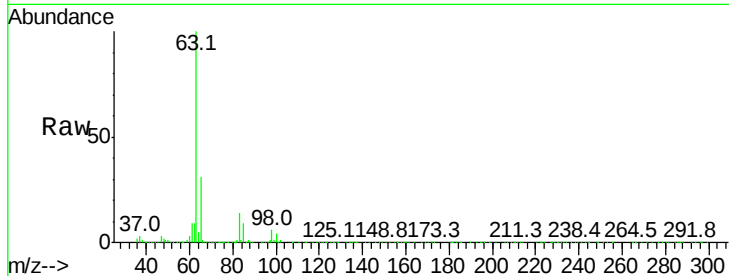




#19
 1,1-Dichloroethane
 Concen: 19.307 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.01 min
 Lab File: VR026341.D
 Acq: 19 Feb 2019 16:43

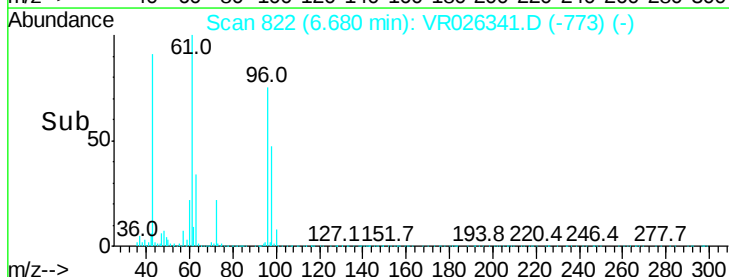
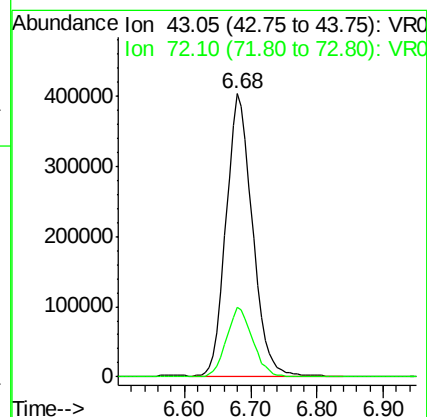
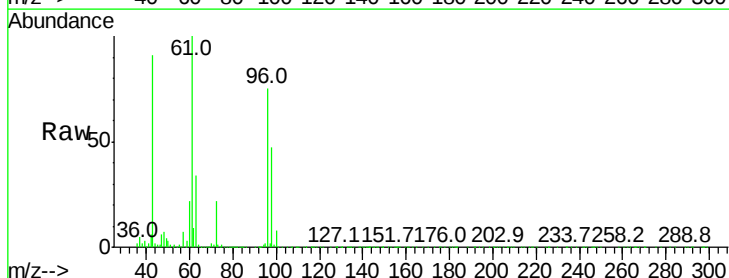
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02094

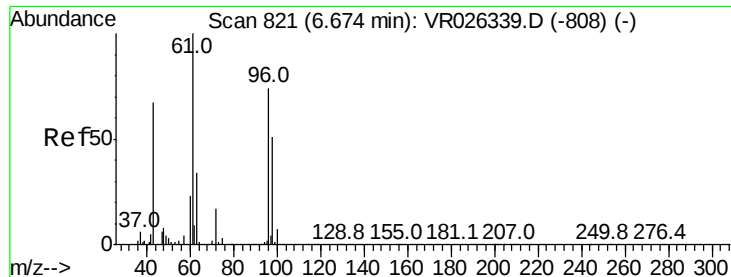
Tgt Ion: 63 Resp: 1804043
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.6 40.0
 83 13.5 8.4 15.6



#21
 2-Butanone
 Concen: 253.725 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: VR026341.D
 Acq: 19 Feb 2019 16:43

Tgt Ion: 43 Resp: 1105576
 Ion Ratio Lower Upper
 43 100
 72 24.6 12.0 36.1



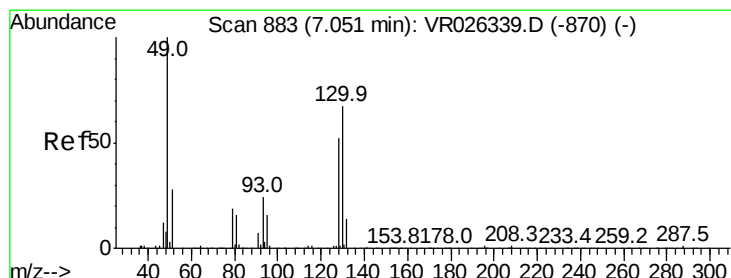
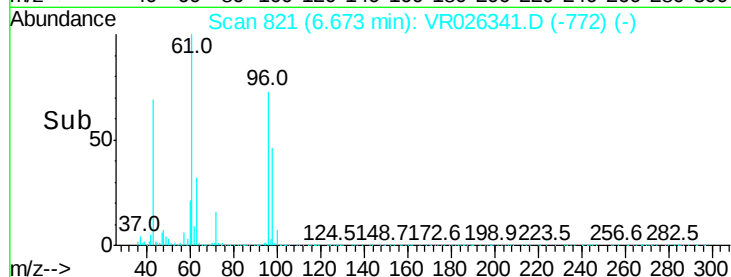
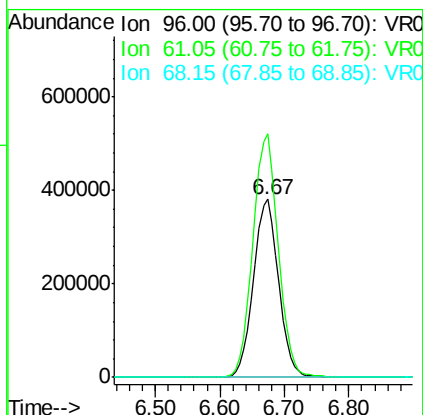
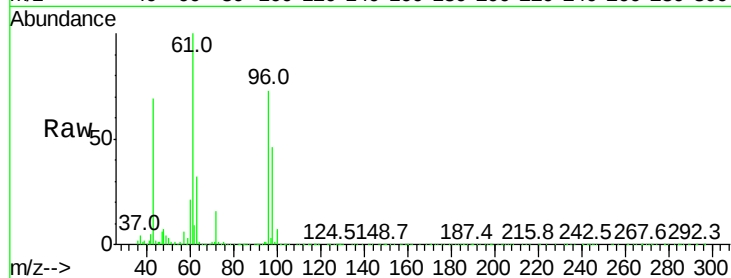


#22

cis-1,2-Dichloroethene
Concen: 23.071 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR026341.D
Acq: 19 Feb 2019 16:43

Instrument :
MSVOA_R
ClientSampleId :
VSTD02094

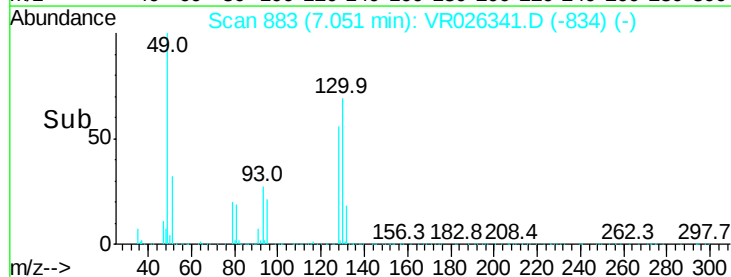
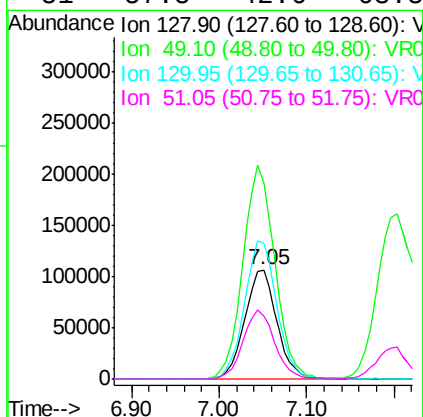
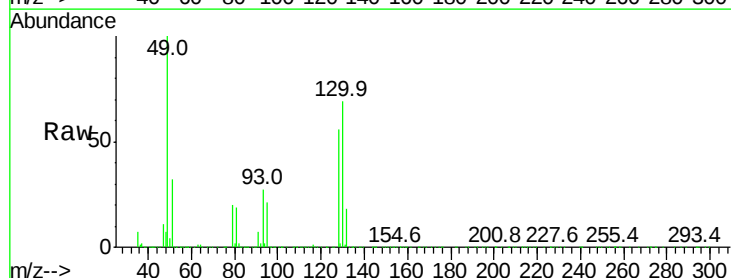
Tgt Ion: 96 Resp: 1012985
Ion Ratio Lower Upper
96 100
61 136.6 95.1 176.7
68 0.0 0.1 0.3#

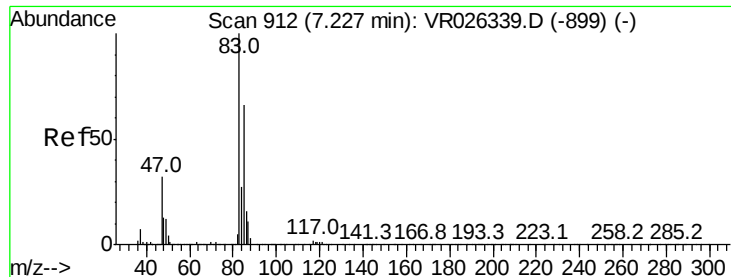


#23

Bromochloromethane
Concen: 19.719 ug/L
RT: 7.05 min Scan# 883
Delta R.T. -0.00 min
Lab File: VR026341.D
Acq: 19 Feb 2019 16:43

Tgt Ion: 128 Resp: 270082
Ion Ratio Lower Upper
128 100
49 179.5 134.7 250.1
130 124.1 90.1 167.3
51 57.5 42.6 63.8





#25

Chloroform

Concen: 19.490 ug/L

RT: 7.23 min Scan# 912

Delta R.T. -0.00 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Instrument :

MSVOA_R

ClientSampleId :

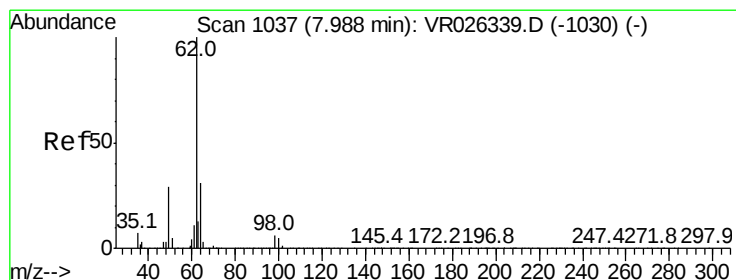
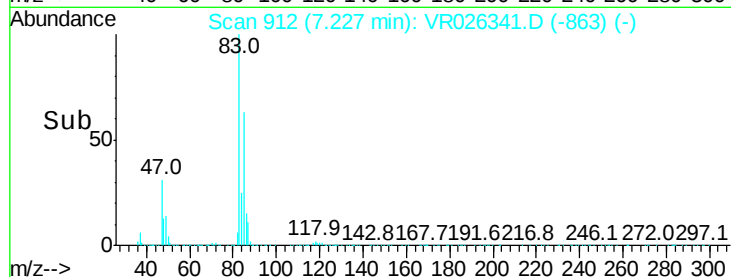
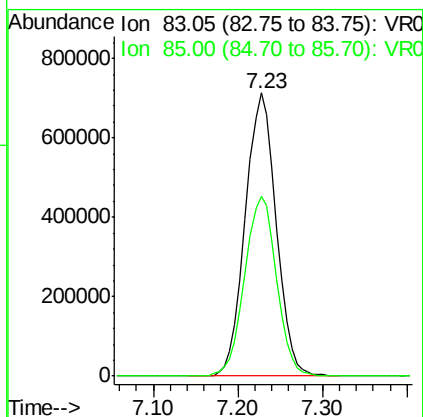
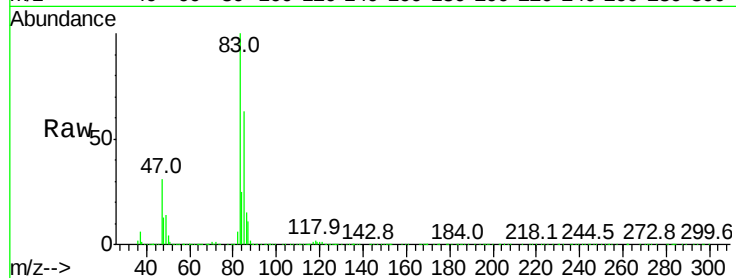
VSTD02094

Tgt Ion: 83 Resp: 1769150

Ion Ratio Lower Upper

83 100

85 63.4 46.1 85.5



#27

1,2-Dichloroethane

Concen: 20.054 ug/L

RT: 7.99 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VR026341.D

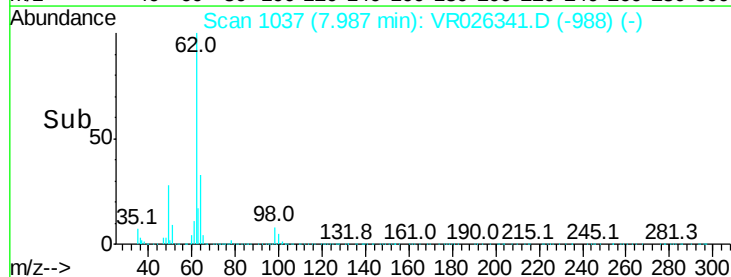
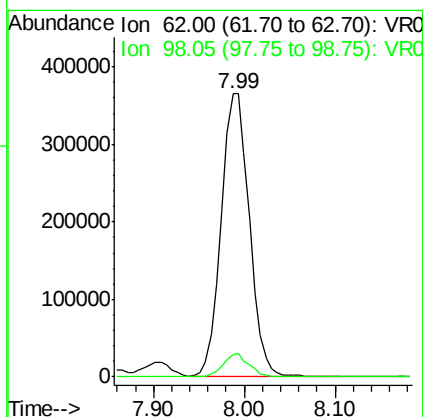
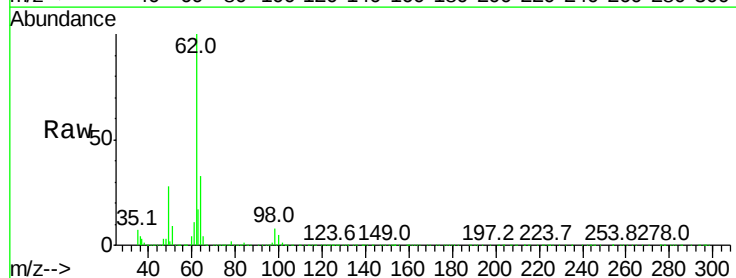
Acq: 19 Feb 2019 16:43

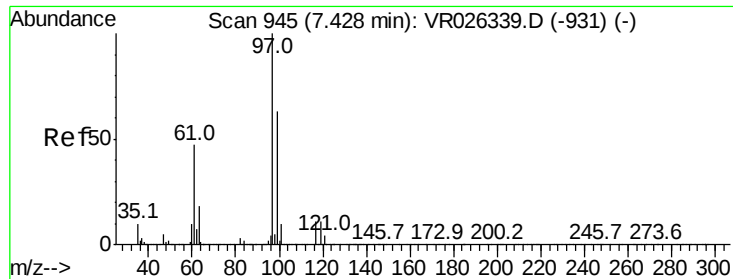
Tgt Ion: 62 Resp: 787424

Ion Ratio Lower Upper

62 100

98 7.7 5.1 7.7#

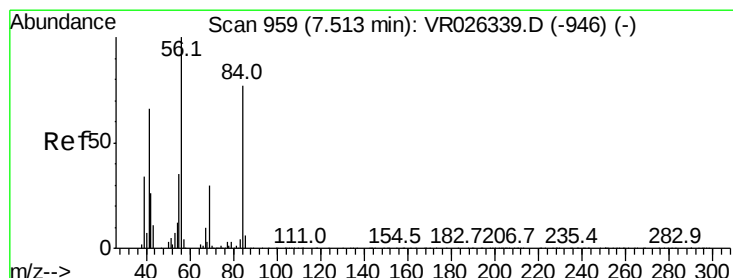
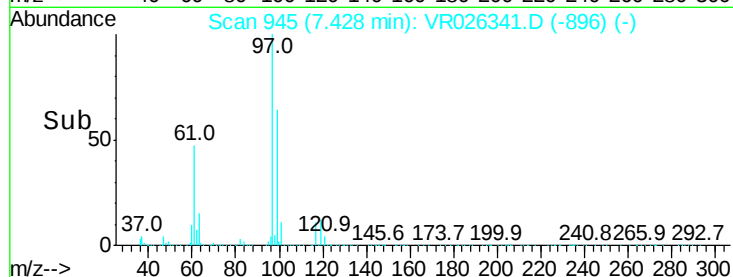
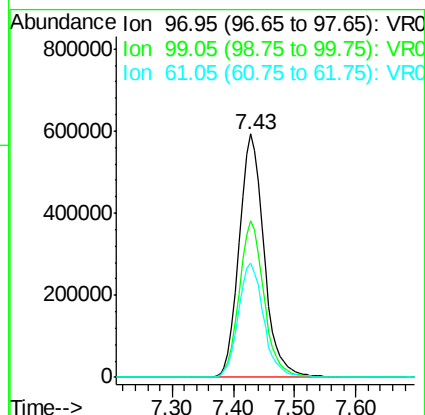
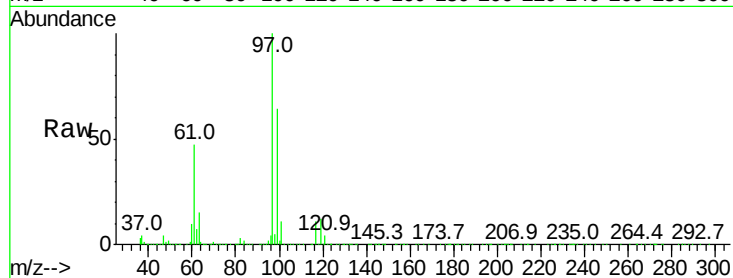




#29
 1,1,1-Trichloroethane
 Concen: 18.172 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VR026341.D
 Acq: 19 Feb 2019 16:43

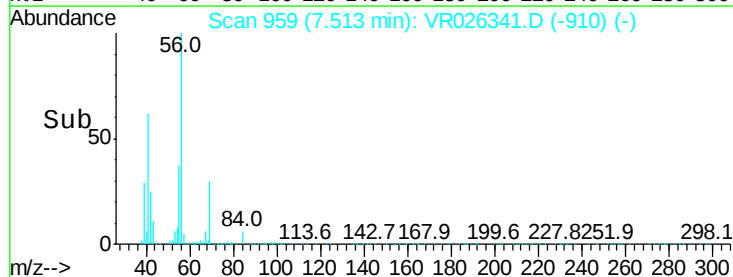
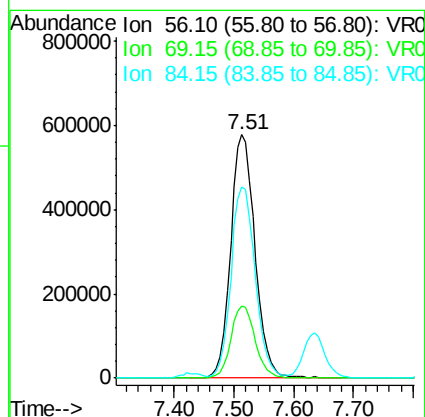
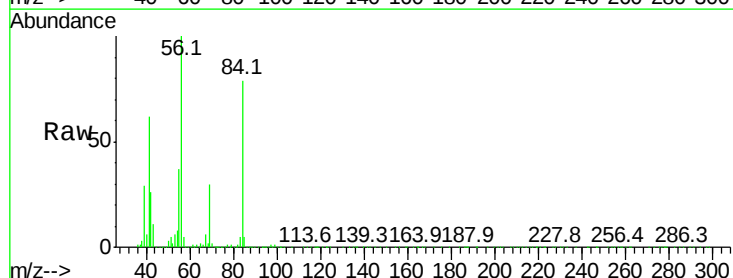
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02094

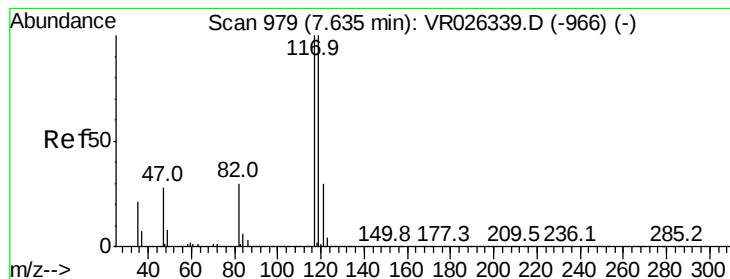
Tgt Ion: 97 Resp: 1653889
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.8 77.8
 61 48.1 38.7 58.1



#30
 Cyclohexane
 Concen: 22.382 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. -0.00 min
 Lab File: VR026341.D
 Acq: 19 Feb 2019 16:43

Tgt Ion: 56 Resp: 1630987
 Ion Ratio Lower Upper
 56 100
 69 29.7 23.7 35.5
 84 78.4 62.8 94.2





#31

Carbon tetrachloride

Concen: 17.554 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Instrument :

MSVOA_R

ClientSampleId :

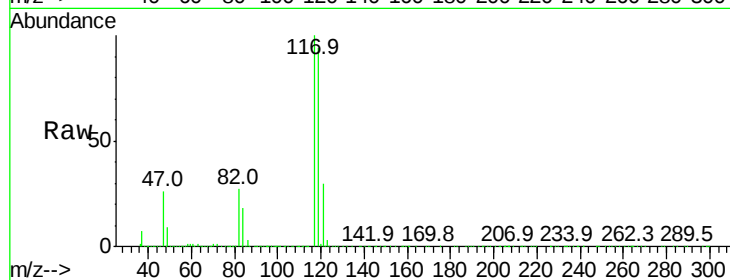
VSTD02094

Tgt Ion:117 Resp: 1480917

Ion Ratio Lower Upper

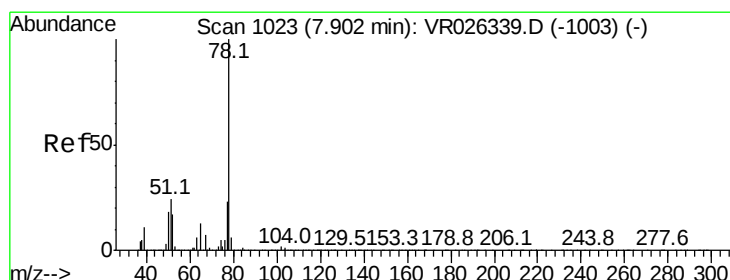
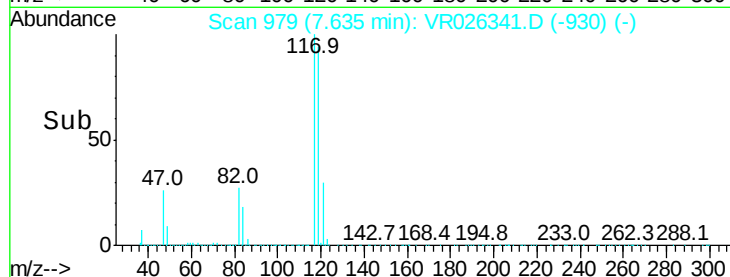
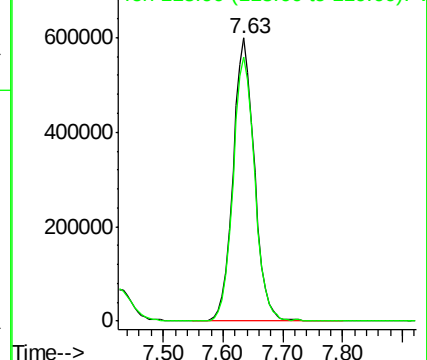
117 100

119 95.2 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 19.548 ug/L

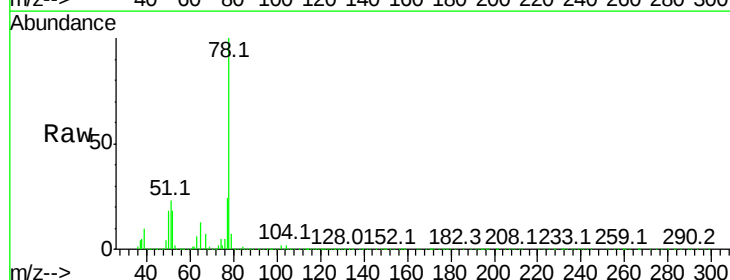
RT: 7.90 min Scan# 1023

Delta R.T. -0.00 min

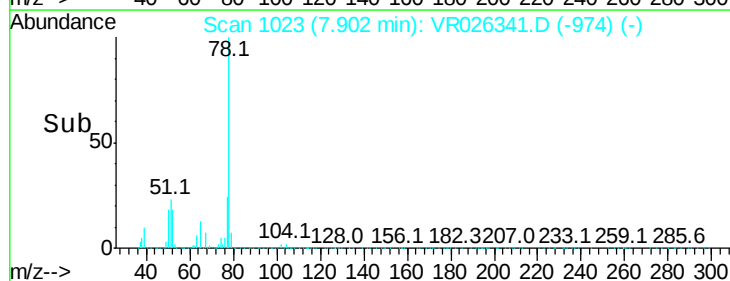
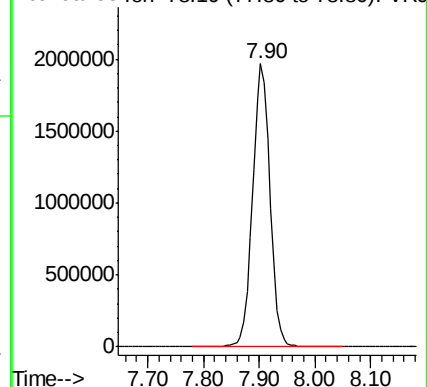
Lab File: VR026341.D

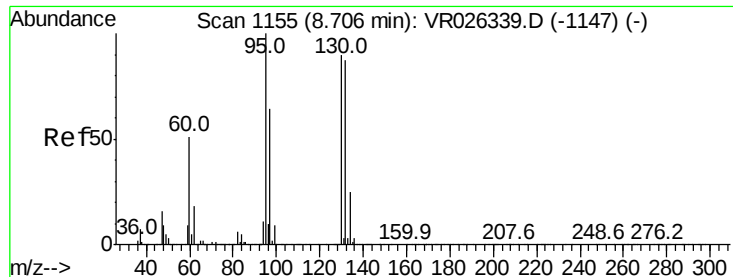
Acq: 19 Feb 2019 16:43

Tgt Ion: 78 Resp: 4276281



Abundance Ion 78.10 (77.80 to 78.80): VR0



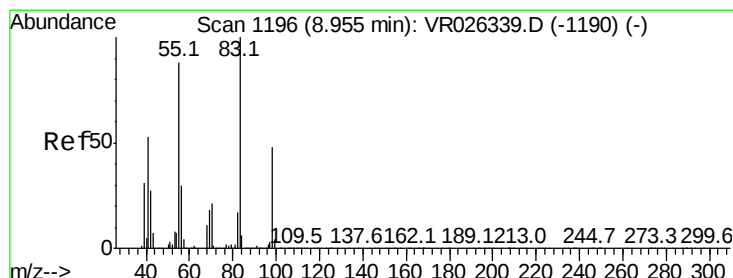
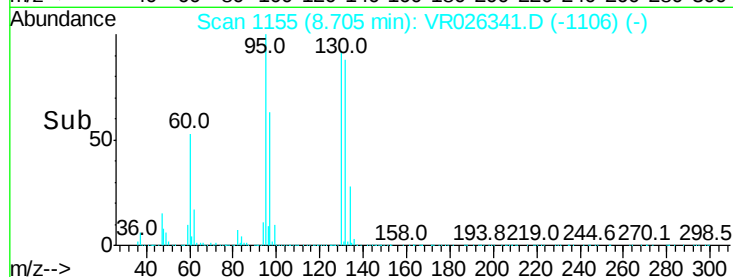
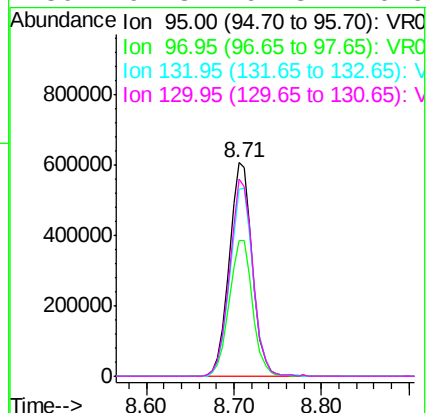
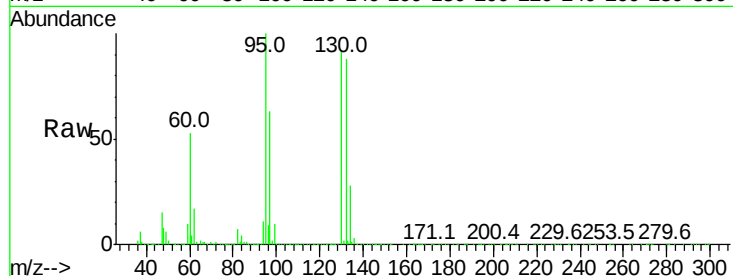


#34
 Trichloroethene
 Concen: 19.621 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VR026341.D
 Acq: 19 Feb 2019 16:43

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02094

Tgt Ion: 95 Resp: 1106719

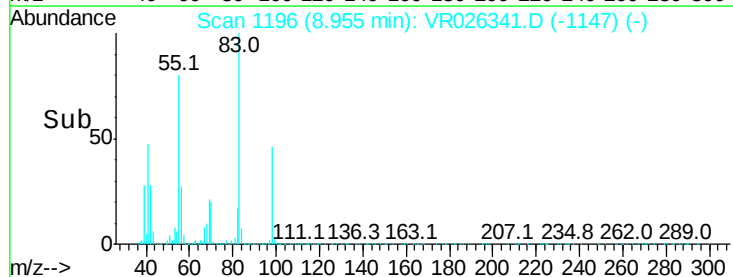
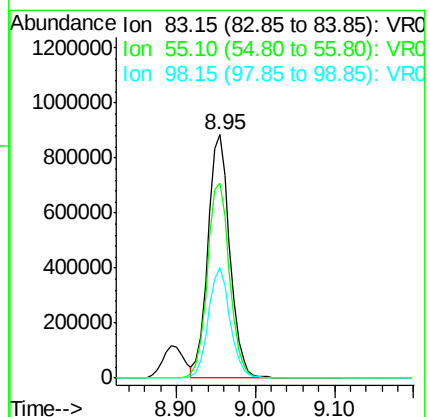
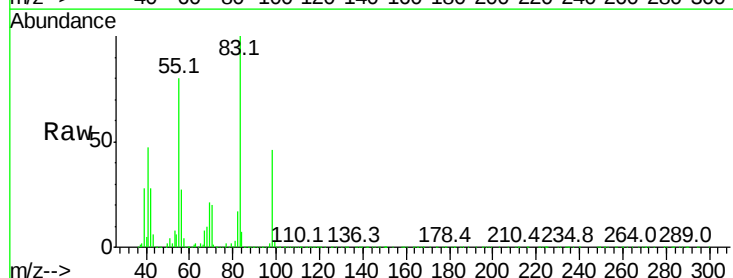
Ion	Ratio	Lower	Upper
95	100		
97	63.3	45.1	83.9
132	87.7	60.7	112.7
130	92.3	62.8	116.6

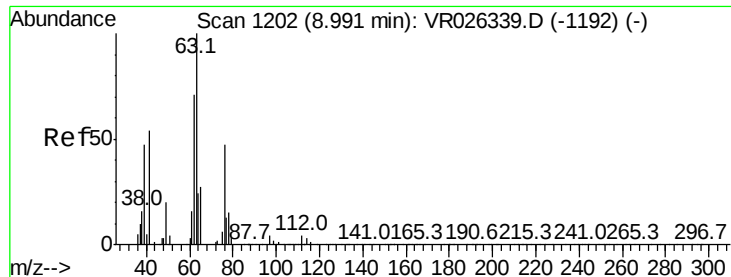


#35
 Methylcyclohexane
 Concen: 21.683 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR026341.D
 Acq: 19 Feb 2019 16:43

Tgt Ion: 83 Resp: 1700736

Ion	Ratio	Lower	Upper
83	100		
55	81.7	67.3	100.9
98	45.2	37.0	55.4

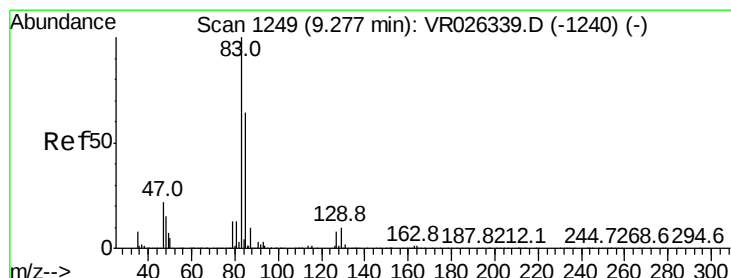
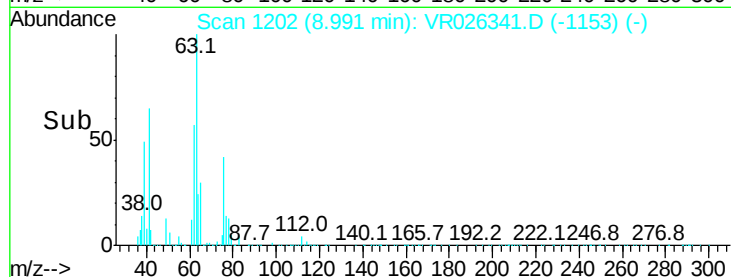
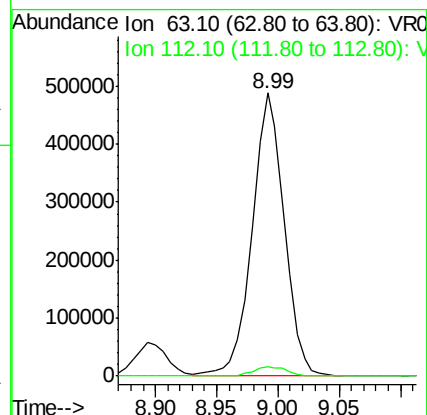
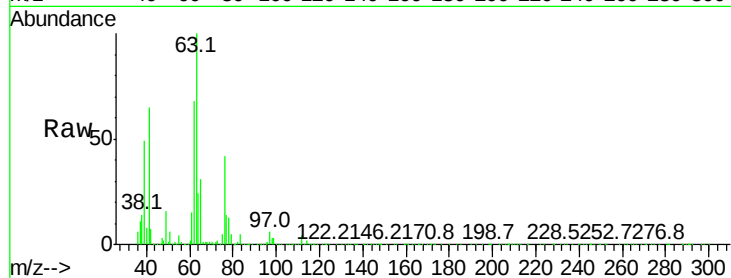




#37
 1,2-Dichloropropane
 Concen: 18.699 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VR026341.D
 Acq: 19 Feb 2019 16:43

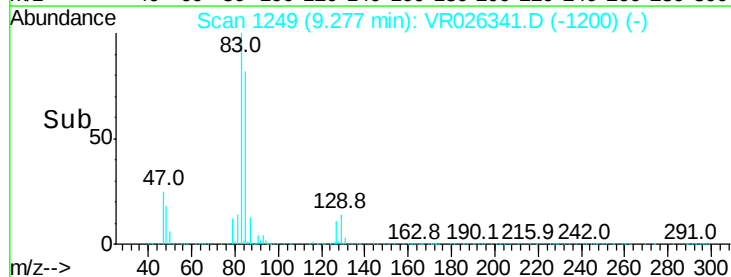
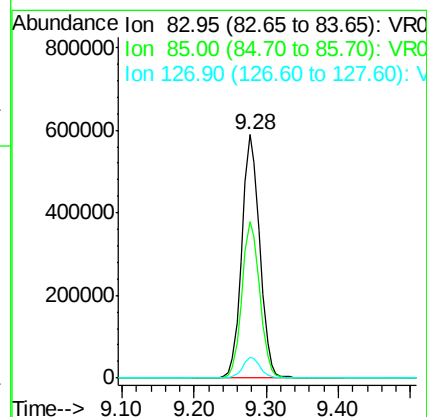
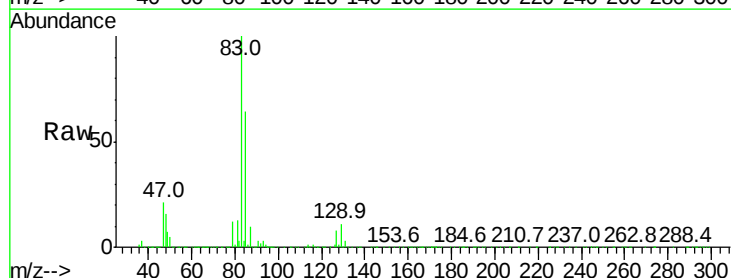
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD02094

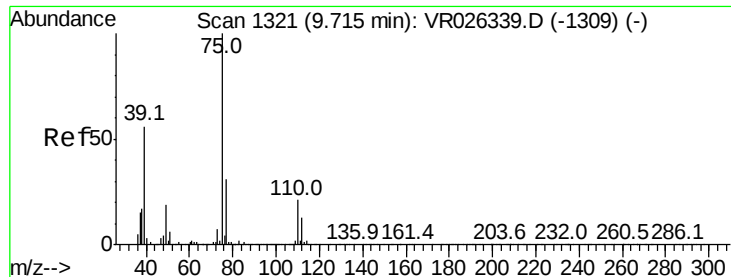
Tgt Ion: 63 Resp: 883291
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.4 5.0



#38
 Bromodichloromethane
 Concen: 19.233 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VR026341.D
 Acq: 19 Feb 2019 16:43

Tgt Ion: 83 Resp: 1013061
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.6 82.8
 127 8.5 6.4 9.6



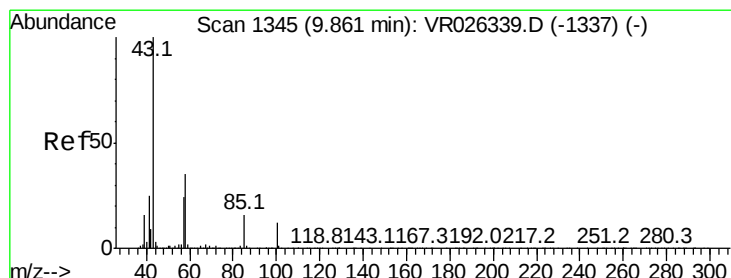
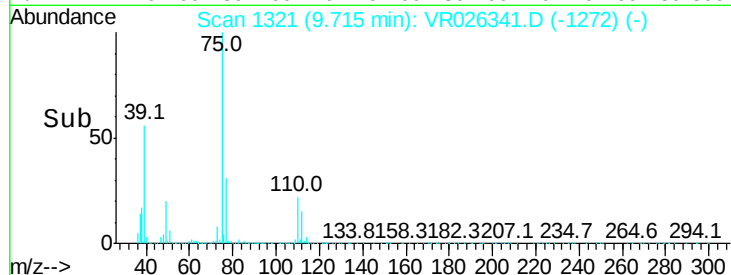
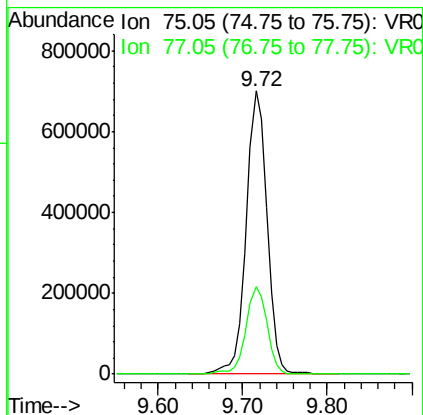
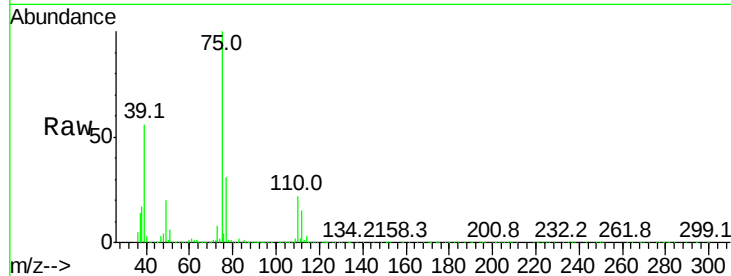


#39

cis-1,3-Dichloropropene
Concen: 23.829 ug/L
RT: 9.72 min Scan# 1321
Delta R.T. -0.00 min
Lab File: VR026341.D
Acq: 19 Feb 2019 16:43

Instrument :
MSVOA_R
ClientSampleId :
VSTD02094

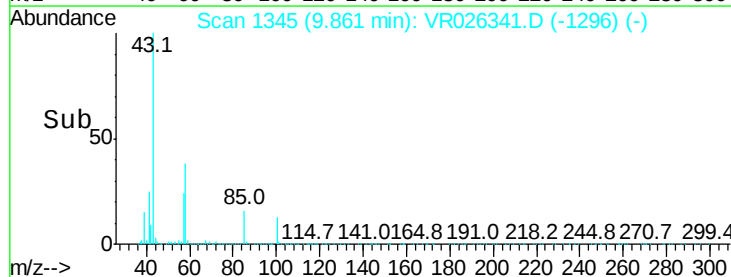
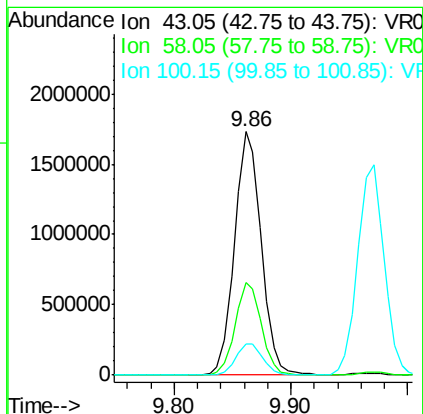
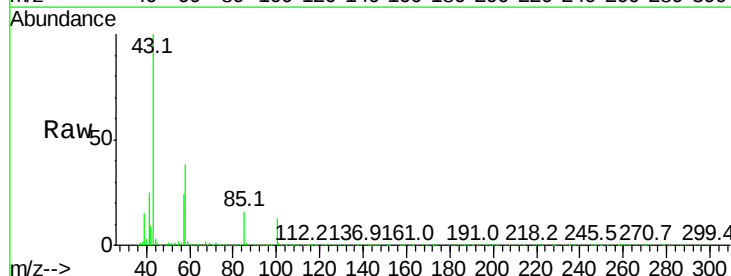
Tgt Ion: 75 Resp: 1158168
Ion Ratio Lower Upper
75 100
77 31.1 21.8 40.4

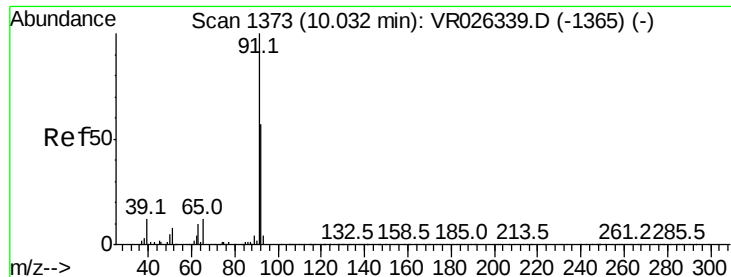


#40

4-Methyl-2-pentanone
Concen: 254.392 ug/L
RT: 9.86 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VR026341.D
Acq: 19 Feb 2019 16:43

Tgt Ion: 43 Resp: 2769902
Ion Ratio Lower Upper
43 100
58 37.3 28.2 42.4
100 12.9 10.0 15.0





#42

Toluene

Concen: 20.135 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Instrument :

MSVOA_R

ClientSampleId :

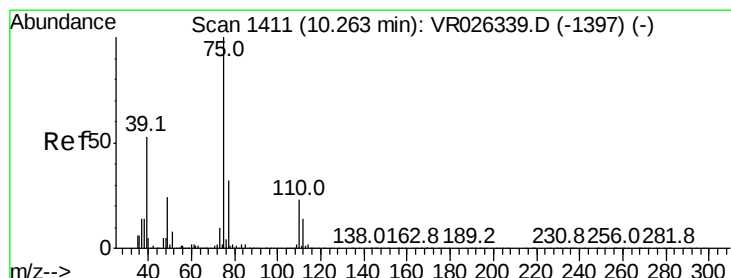
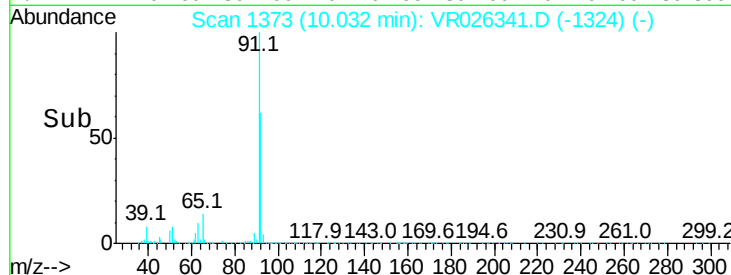
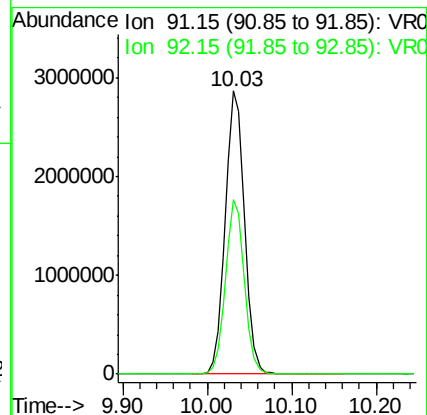
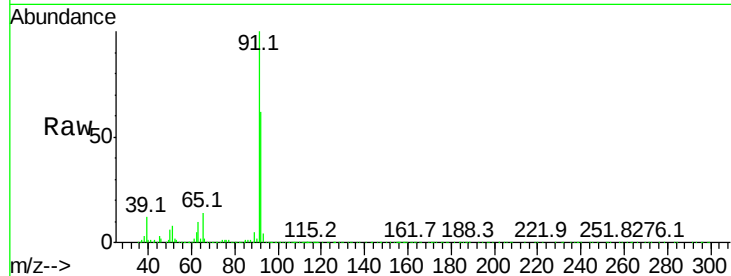
VSTD02094

Tgt Ion: 91 Resp: 4527330

Ion Ratio Lower Upper

91 100

92 61.7 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 23.191 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026341.D

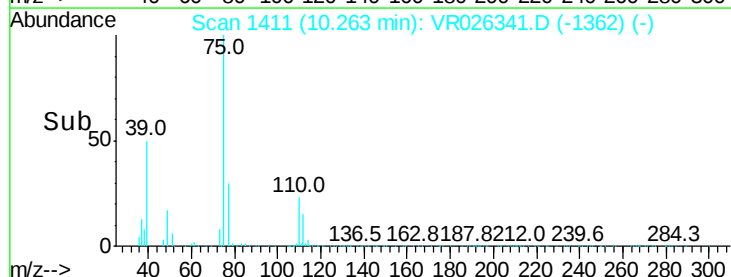
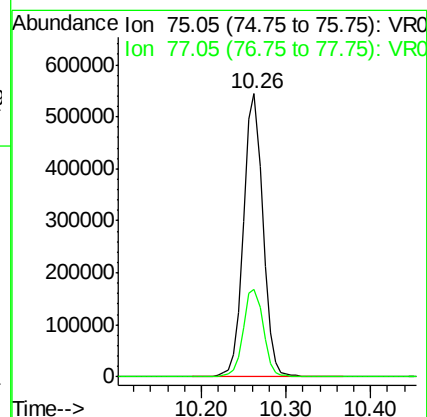
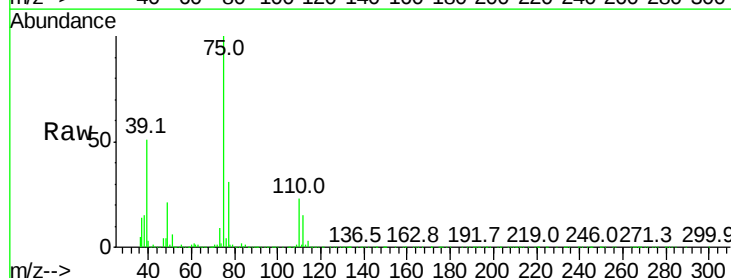
Acq: 19 Feb 2019 16:43

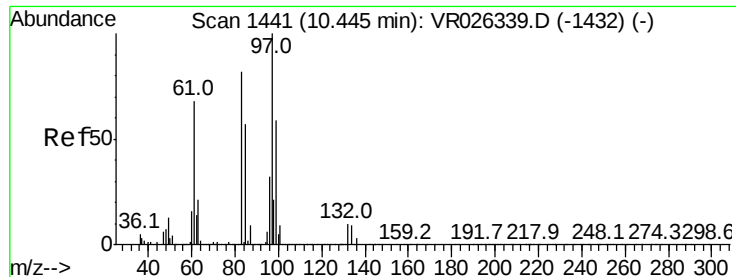
Tgt Ion: 75 Resp: 836195

Ion Ratio Lower Upper

75 100

77 30.7 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 18.982 ug/L

RT: 10.44 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD02094

Tgt Ion: 97 Resp: 374381

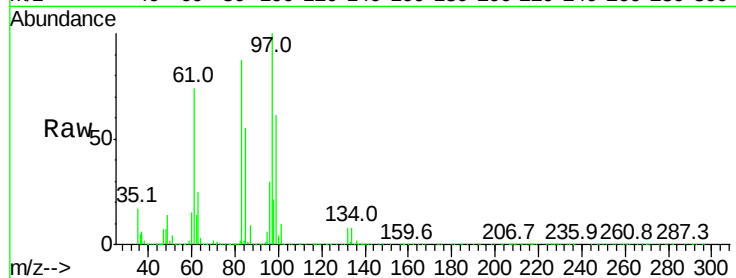
Ion Ratio Lower Upper

97 100

99 61.3 41.2 76.4

83 86.8 57.4 106.6

85 55.4 39.5 73.4

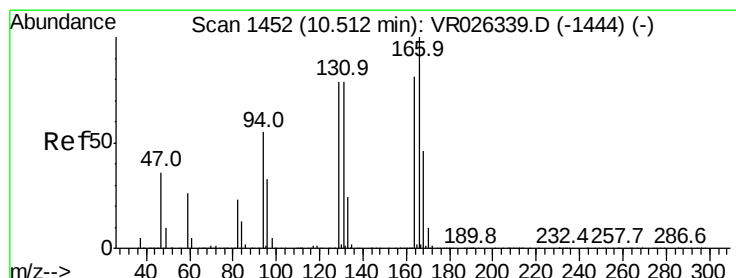
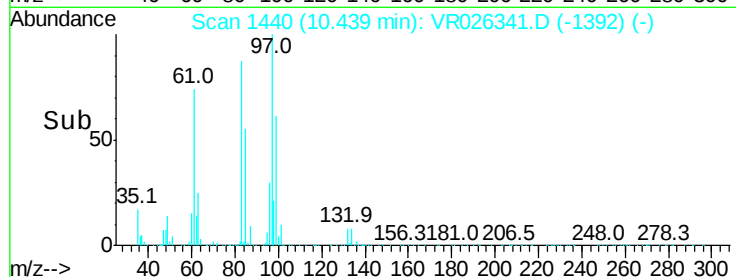
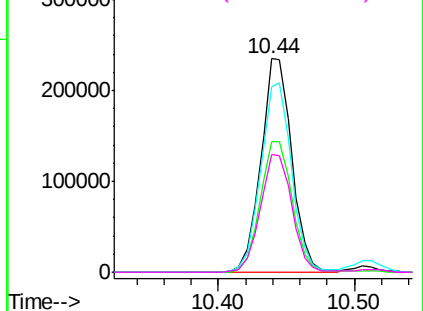


Abundance Ion 96.95 (96.65 to 97.65): VR0

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: 19.558 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Tgt Ion: 164 Resp: 846477

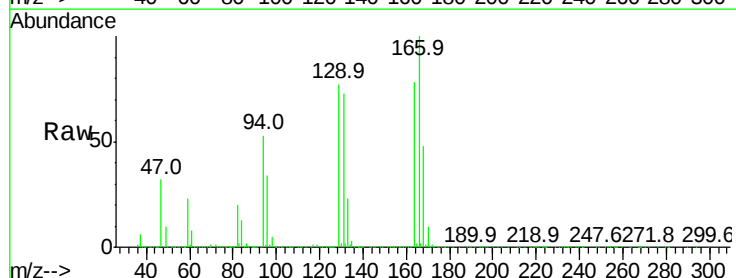
Ion Ratio Lower Upper

164 100

129 99.1 68.5 127.3

131 93.4 68.3 126.8

166 128.1 86.8 161.2

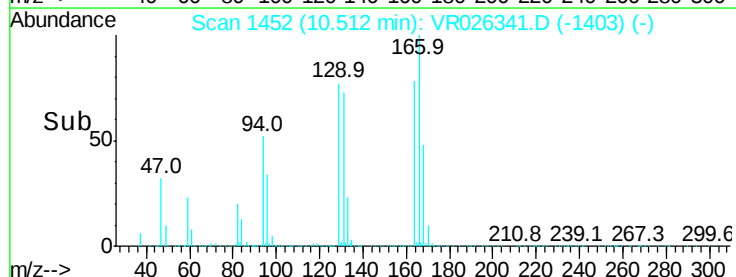
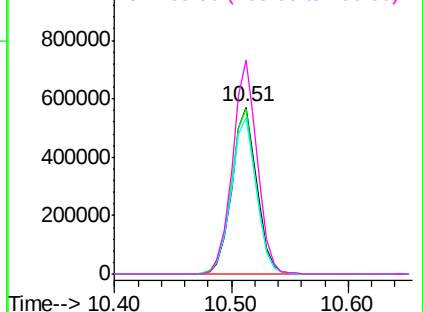


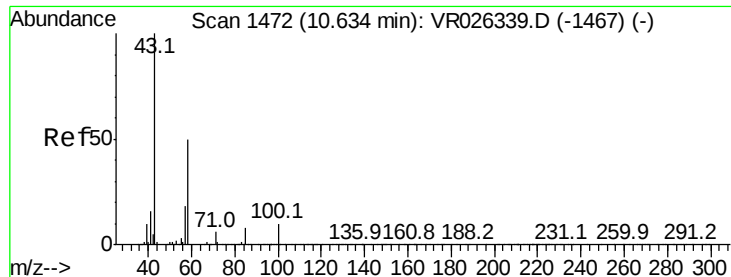
Abundance Ion 163.90 (163.60 to 164.60): V

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



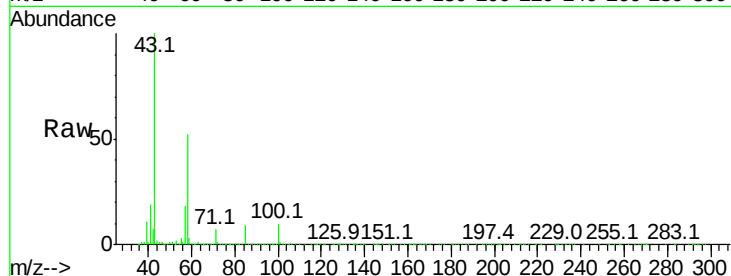


#48
2-Hexanone
Concen: 249.561 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026341.D
Acq: 19 Feb 2019 16:43

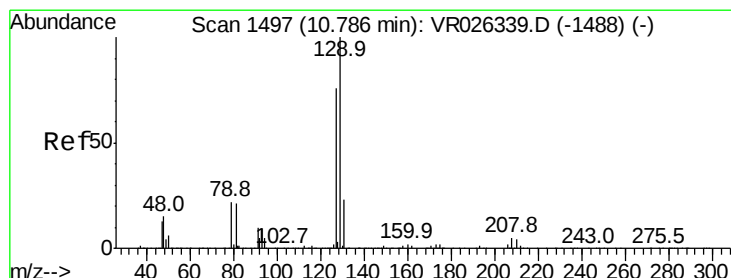
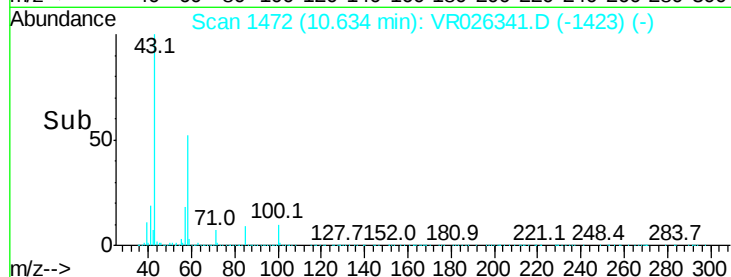
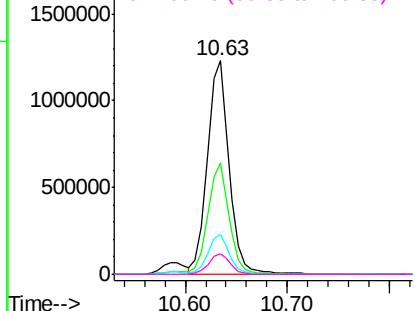
Instrument :
MSVOA_R
ClientSampleId :
VSTD02094

Tgt Ion: 43 Resp: 1827168

Ion	Ratio	Lower	Upper
43	100		
58	53.0	39.1	58.7
57	18.2	14.2	21.2
100	9.6	7.6	11.4



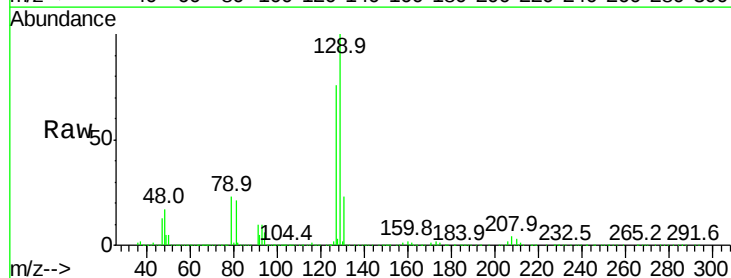
Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0



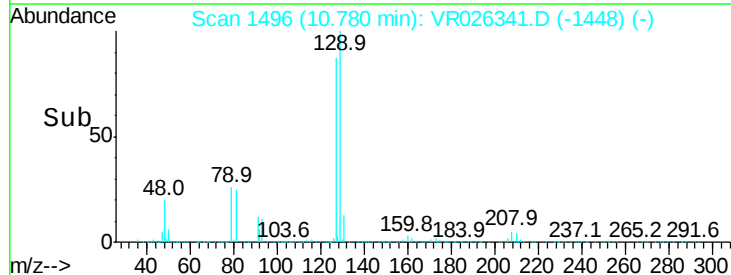
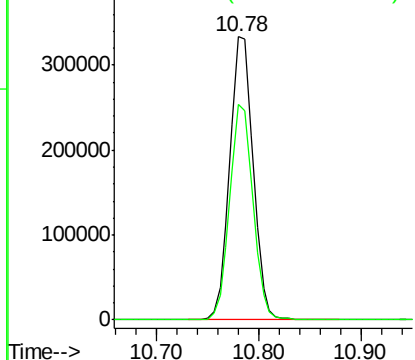
#49
Dibromochloromethane
Concen: 20.731 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. -0.01 min
Lab File: VR026341.D
Acq: 19 Feb 2019 16:43

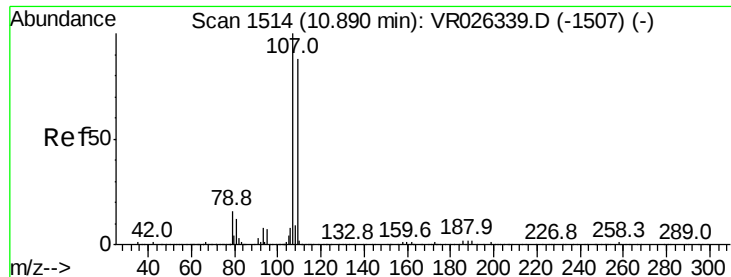
Tgt Ion: 129 Resp: 525503

Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.5	99.3



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





#50

1,2-Dibromoethane

Concen: 20.800 ug/L

RT: 10.88 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

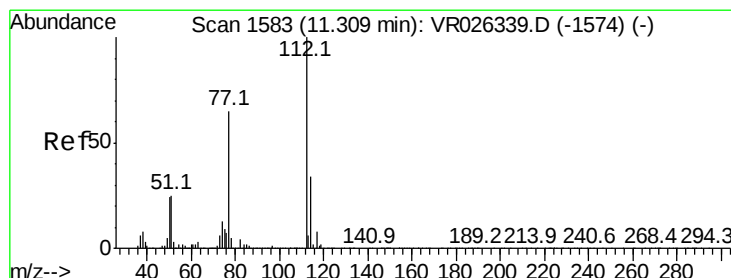
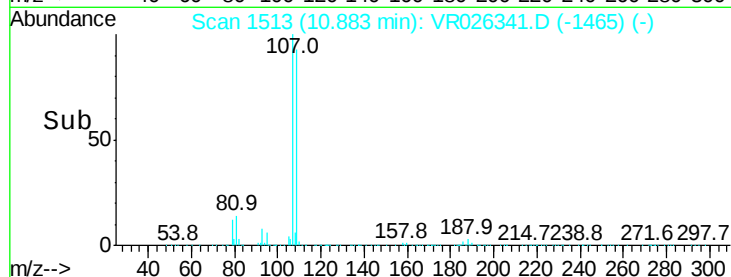
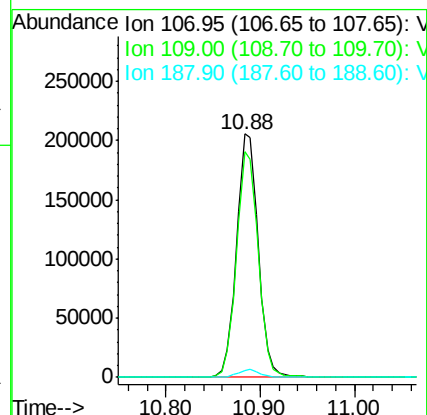
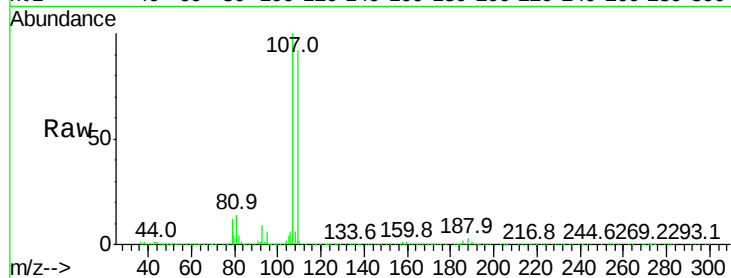
Instrument :

MSVOA_R

ClientSampled :

VSTD02094

Tgt Ion:	107	Resp:	326191
Ion	Ratio	Lower	Upper
107	100		
109	92.5	61.6	114.4
188	2.9	1.7	2.5#



#51

Chlorobenzene

Concen: 19.135 ug/L

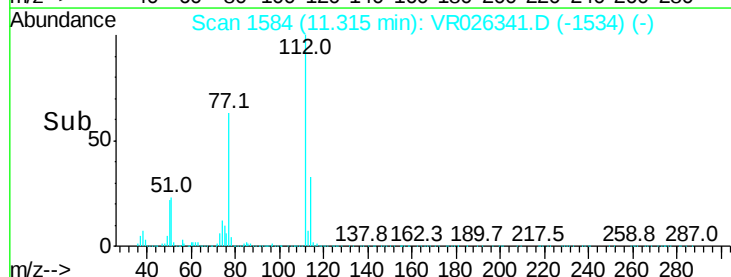
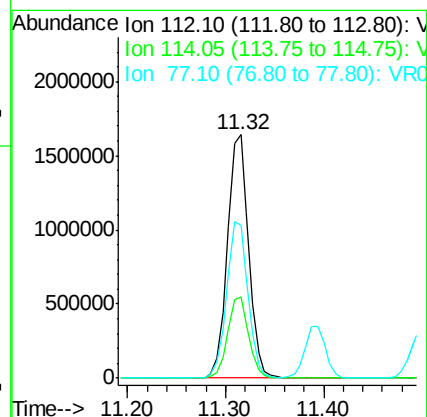
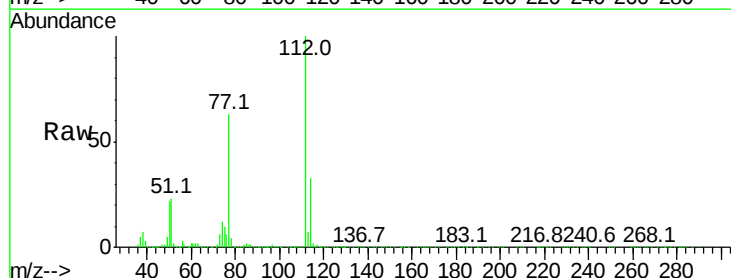
RT: 11.32 min Scan# 1584

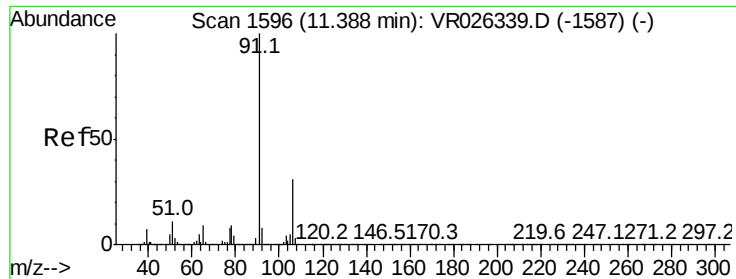
Delta R.T. 0.01 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Tgt Ion:	112	Resp:	2460041
Ion	Ratio	Lower	Upper
112	100		
114	33.4	23.5	43.7
77	62.9	51.8	77.8





#52

Ethylbenzene

Concen: 20.383 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Instrument :

MSVOA_R

ClientSampleId :

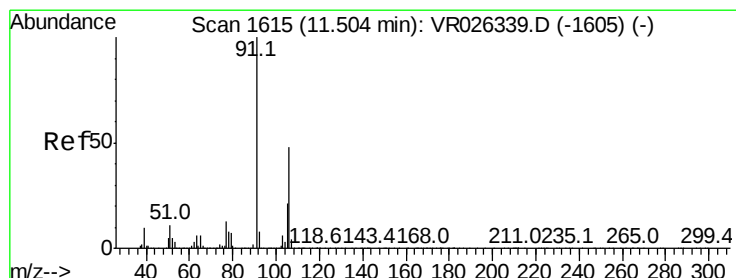
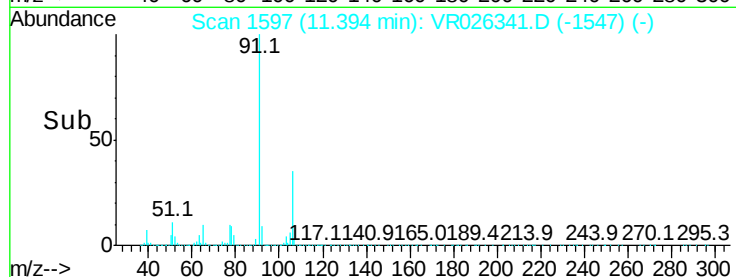
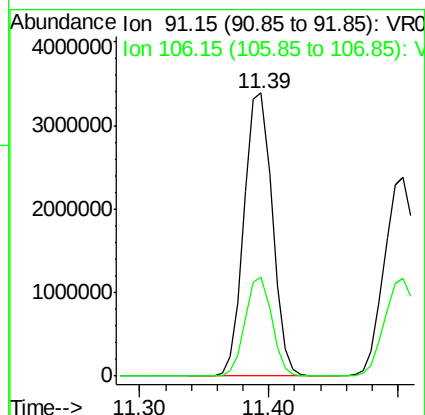
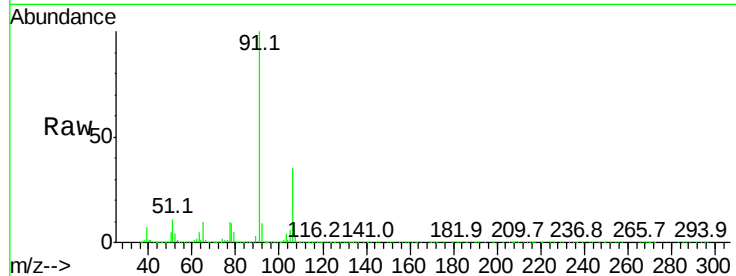
VSTD02094

Tgt Ion: 91 Resp: 5123977

Ion Ratio Lower Upper

91 100

106 34.9 21.5 39.9



#53

m,p-Xylene

Concen: 21.948 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026341.D

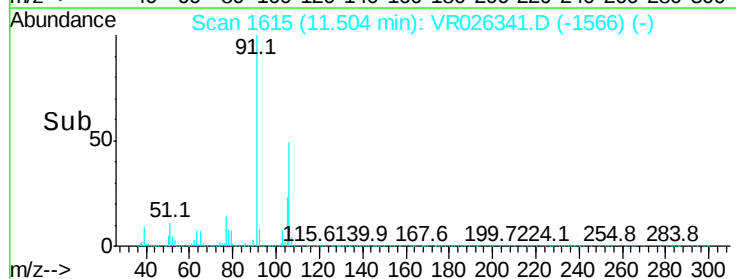
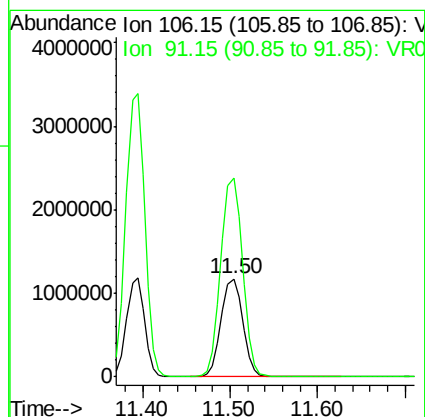
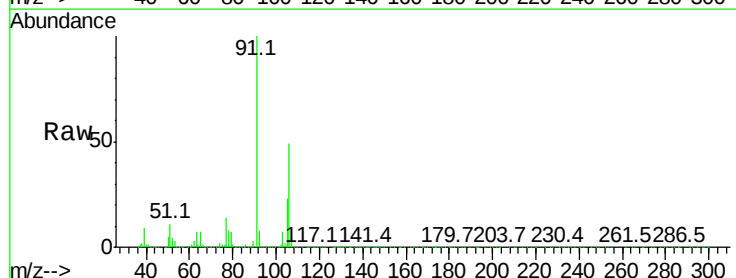
Acq: 19 Feb 2019 16:43

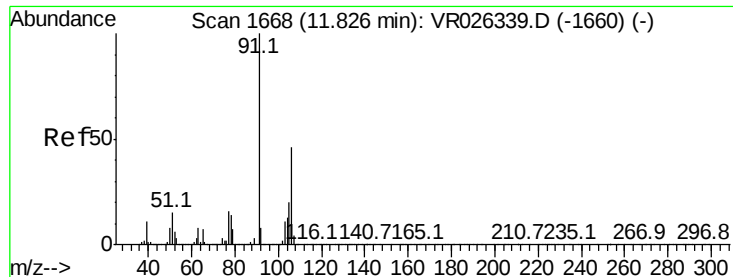
Tgt Ion: 106 Resp: 2015948

Ion Ratio Lower Upper

106 100

91 202.1 144.8 268.8





#54

o-Xylene

Concen: 24.198 ug/L

RT: 11.83 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Instrument :

MSVOA_R

ClientSampleId :

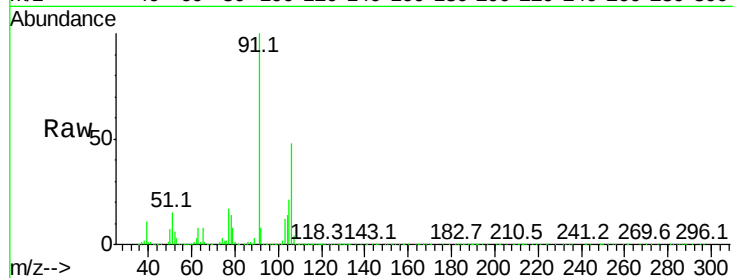
VSTD02094

Tgt Ion:106 Resp: 1916919

Ion Ratio Lower Upper

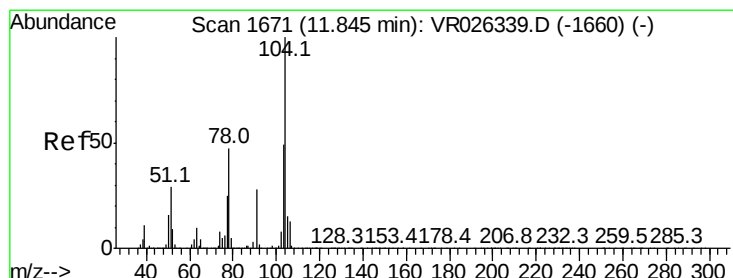
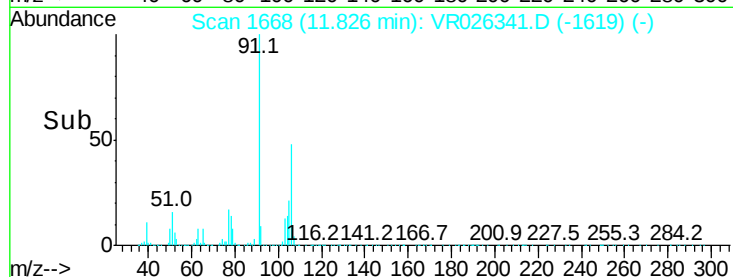
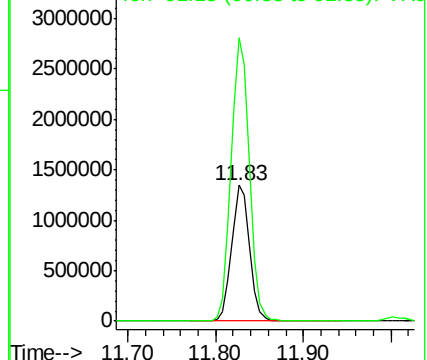
106 100

91 208.5 153.1 284.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 23.200 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VR026341.D

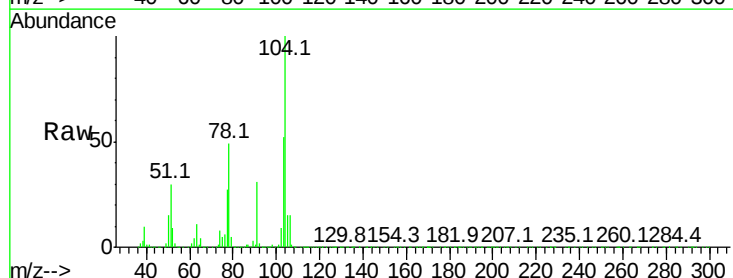
Acq: 19 Feb 2019 16:43

Tgt Ion:104 Resp: 2887073

Ion Ratio Lower Upper

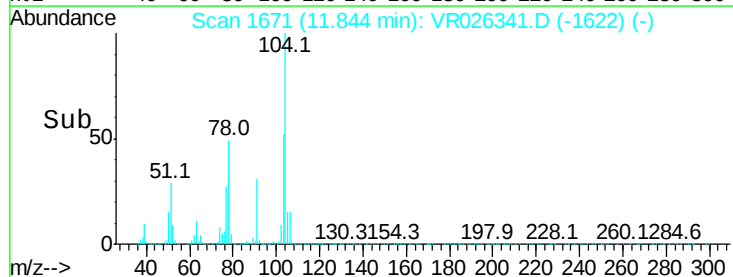
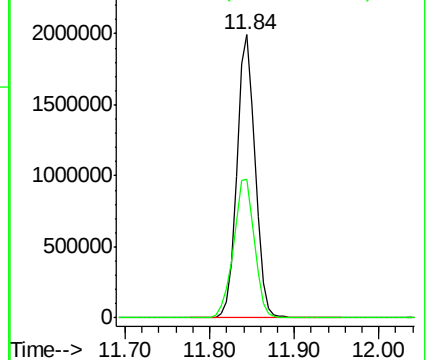
104 100

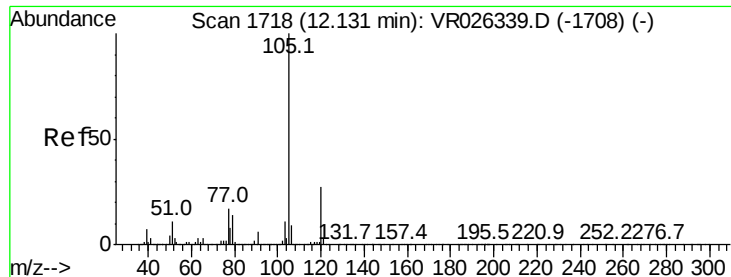
78 49.0 33.1 61.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 22.412 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD02094

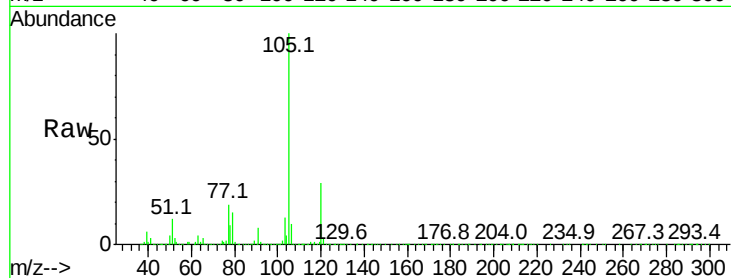
Tgt Ion:105 Resp: 5047484

Ion Ratio Lower Upper

105 100

120 28.1 20.8 31.2

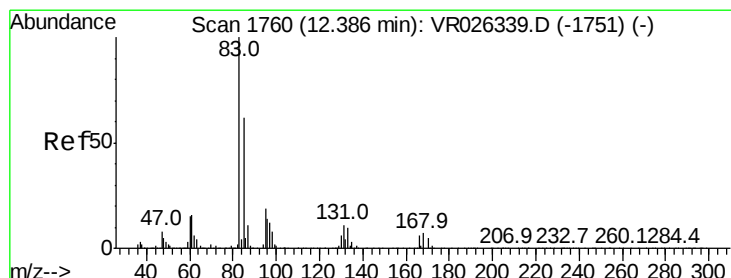
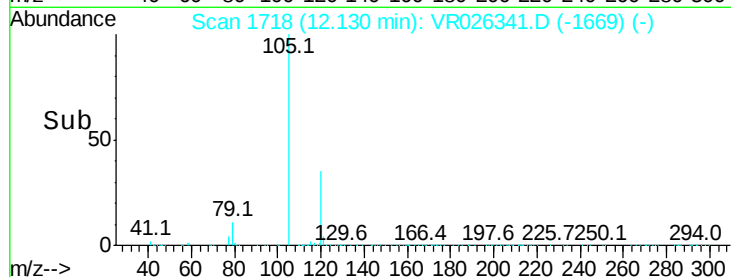
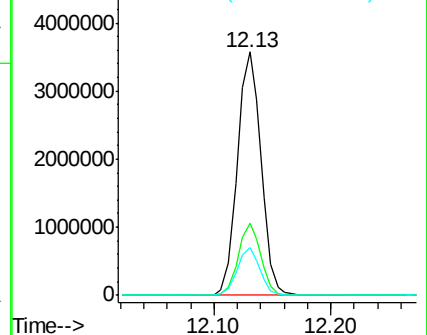
77 18.5 13.9 20.9



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: 19.761 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

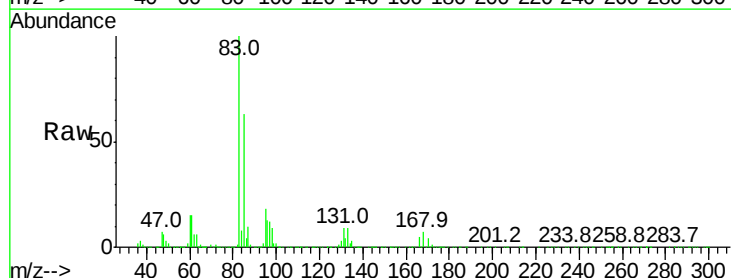
Tgt Ion: 83 Resp: 361039

Ion Ratio Lower Upper

83 100

85 62.8 43.5 80.9

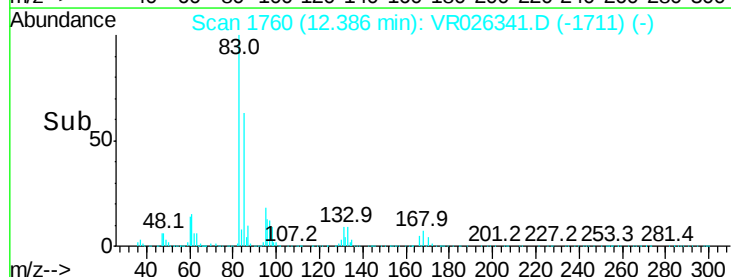
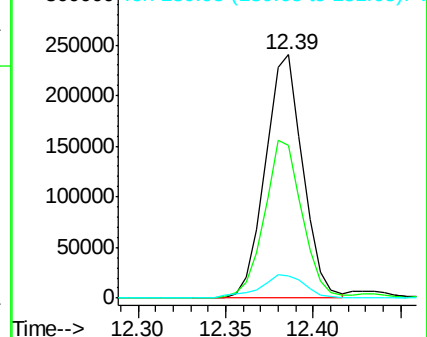
131 9.2 8.8 13.2

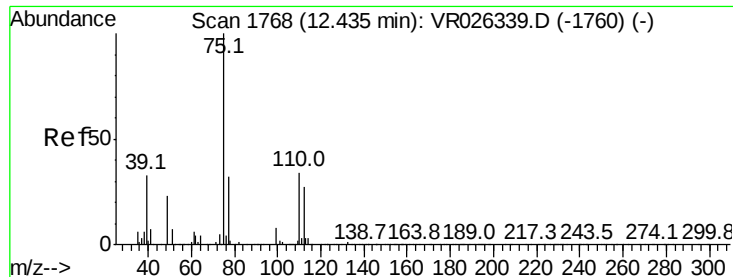


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 19.348 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Instrument :

MSVOA_R

ClientSampleId :

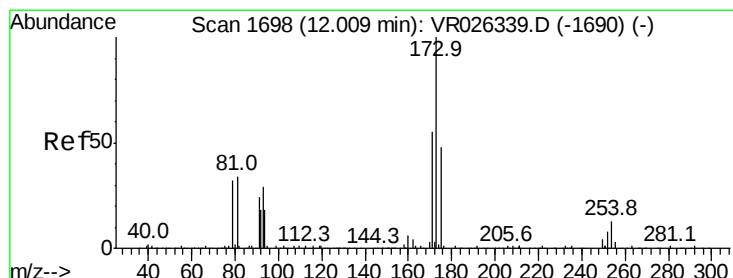
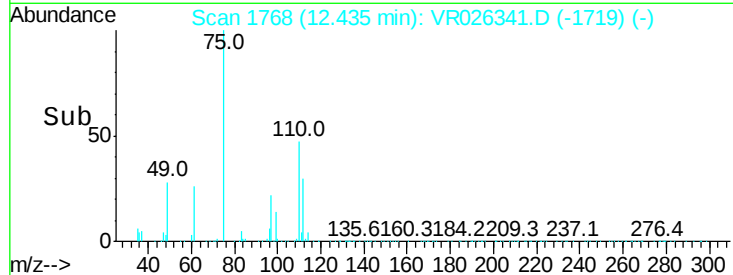
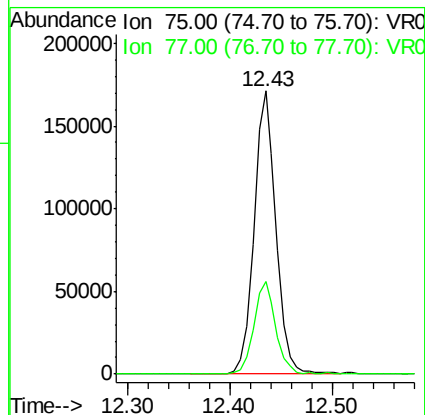
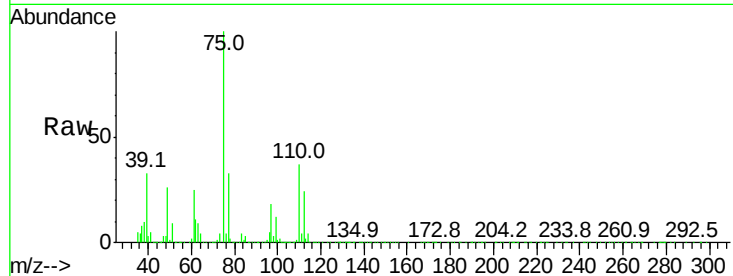
VSTD02094

Tgt Ion: 75 Resp: 254765

Ion Ratio Lower Upper

75 100

77 32.5 27.5 41.3



#61

Bromoform

Concen: 18.761 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

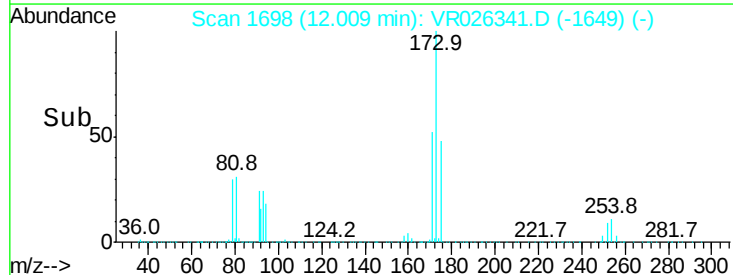
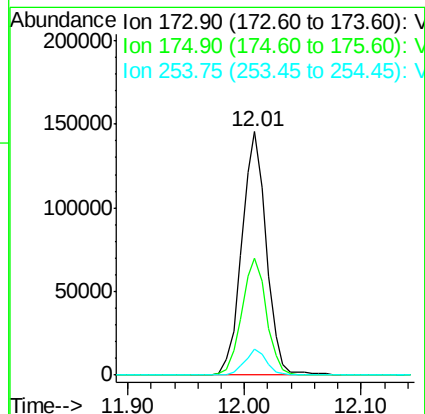
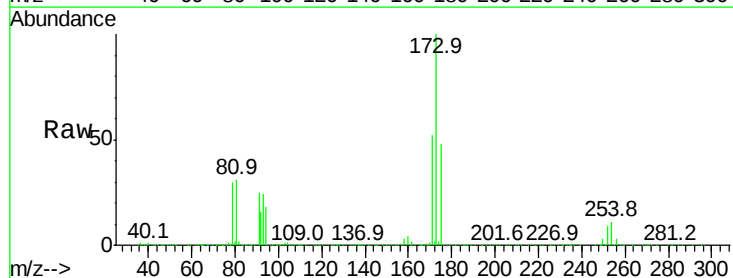
Tgt Ion: 173 Resp: 213312

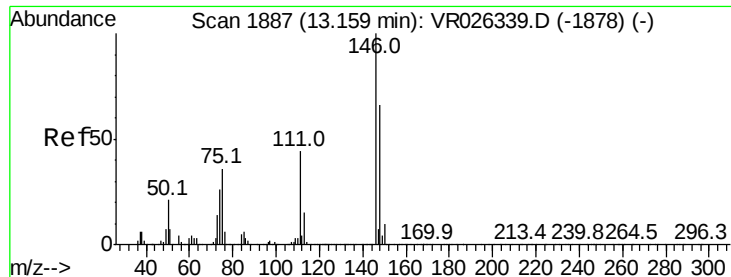
Ion Ratio Lower Upper

173 100

175 48.2 40.0 60.0

254 9.5 7.8 11.8





#62

1,3-Dichlorobenzene

Concen: 21.362 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.00 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Instrument :

MSVOA_R

ClientSampled :

VSTD02094

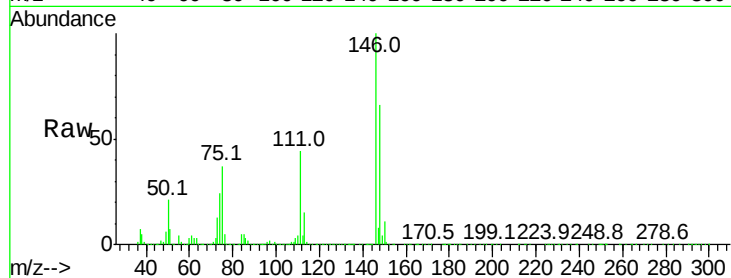
Tgt Ion:146 Resp: 1610873

Ion Ratio Lower Upper

146 100

111 43.6 30.7 57.1

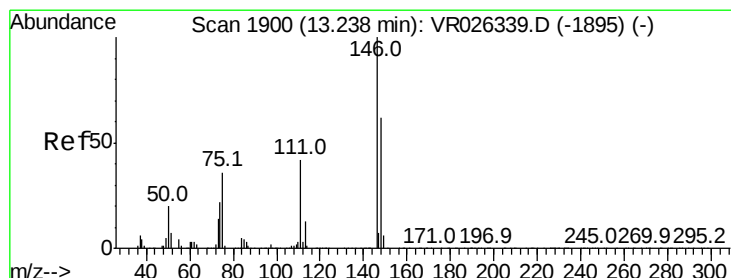
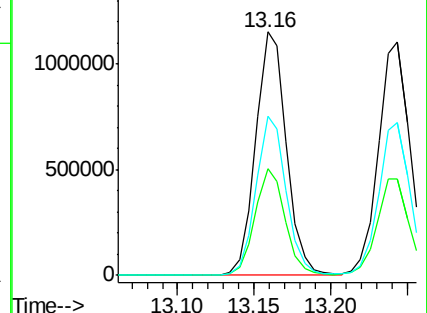
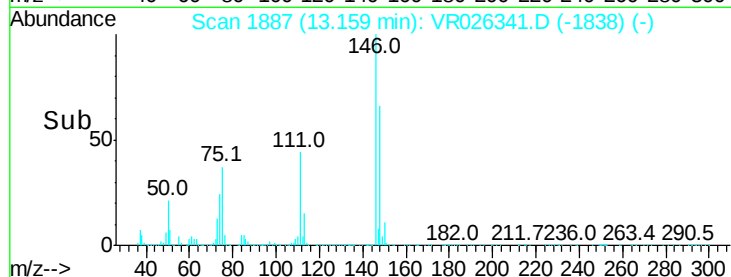
148 65.6 46.1 85.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 18.591 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.01 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

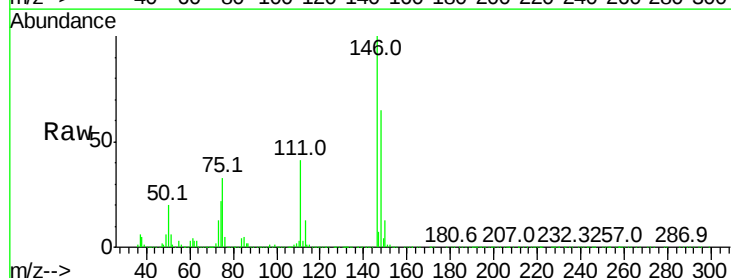
Tgt Ion:146 Resp: 1600441

Ion Ratio Lower Upper

146 100

111 41.2 29.5 54.7

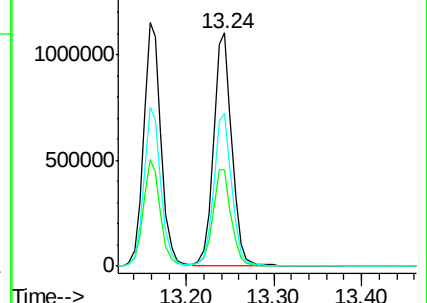
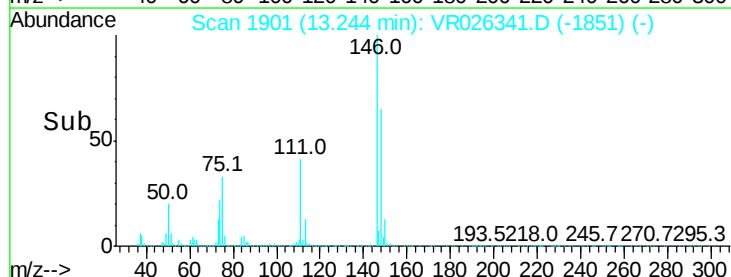
148 65.4 43.8 81.4

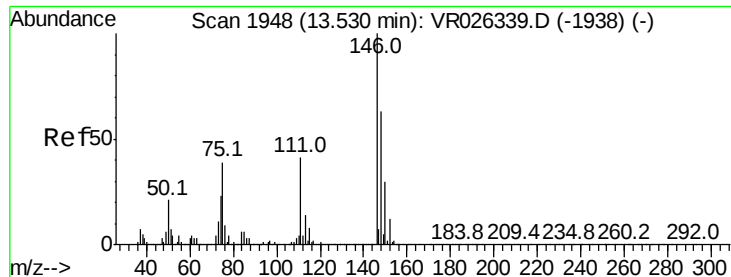


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 19.890 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD02094

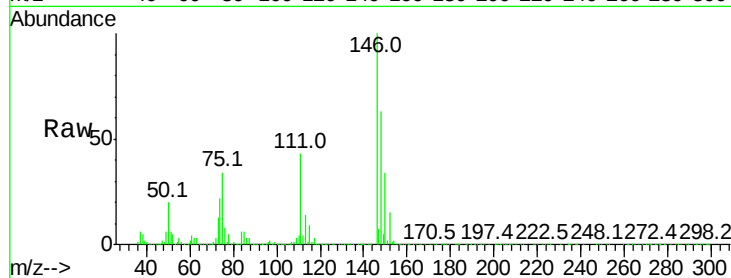
Tgt Ion:146 Resp: 1285260

Ion Ratio Lower Upper

146 100

111 42.8 33.1 49.7

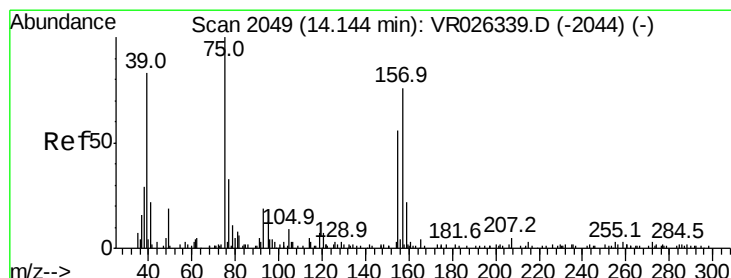
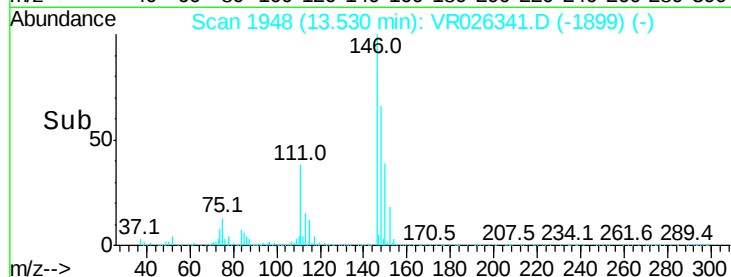
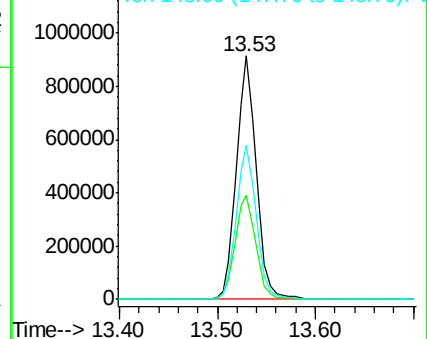
148 63.2 50.4 75.6



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: 16.939 ug/L

RT: 14.14 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

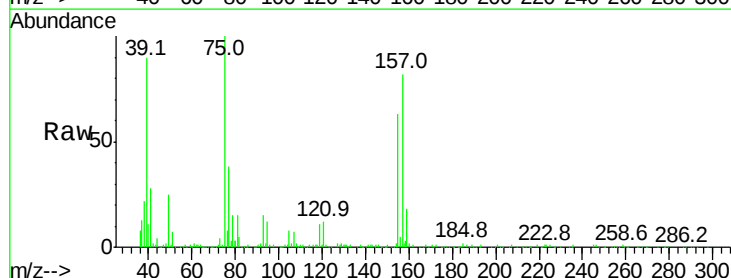
Tgt Ion: 75 Resp: 39566

Ion Ratio Lower Upper

75 100

155 63.4 45.8 68.8

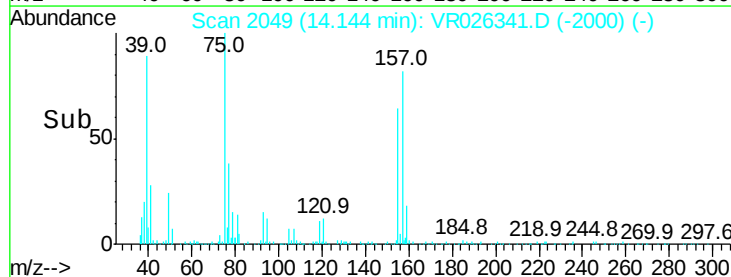
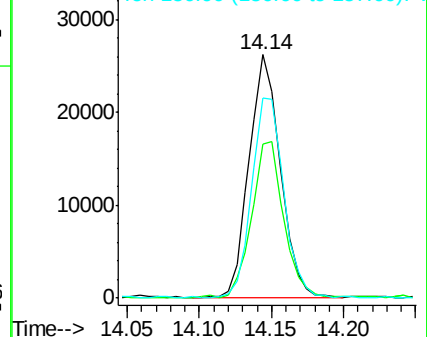
157 82.1 60.9 91.3

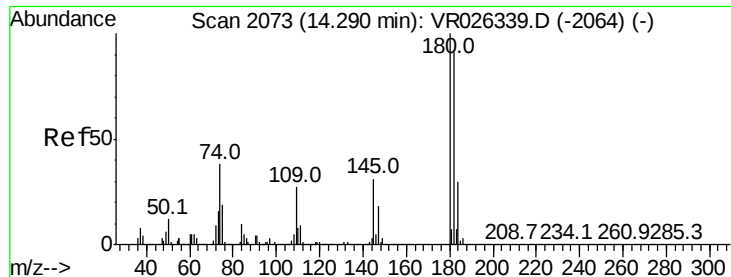


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

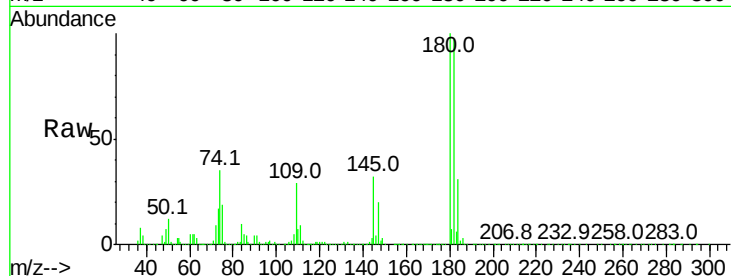




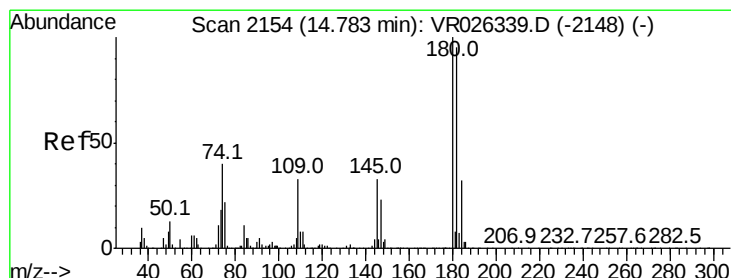
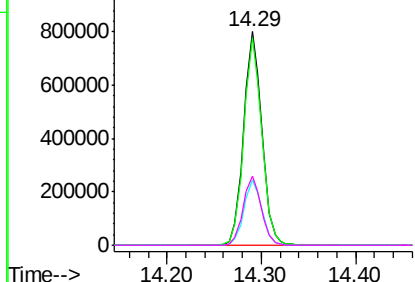
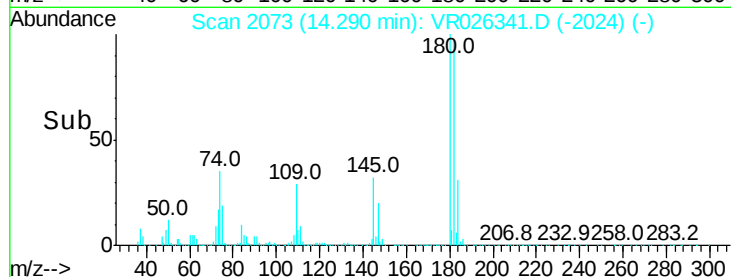
#67
 1,3,5-Trichlorobenzene
 Concen: 22.095 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026341.D
 Acq: 19 Feb 2019 16:43

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02094

Tgt Ion:180 Resp: 1067806
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.0 112.4
 184 30.8 24.6 37.0
 145 32.5 25.1 37.7

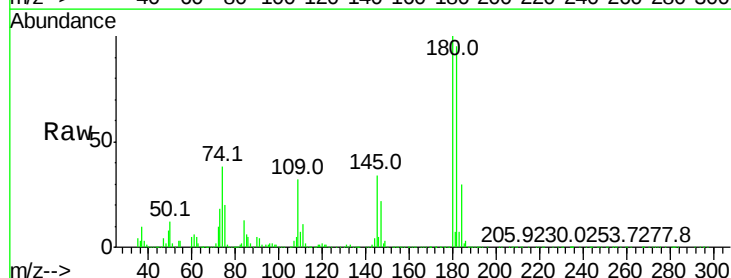


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

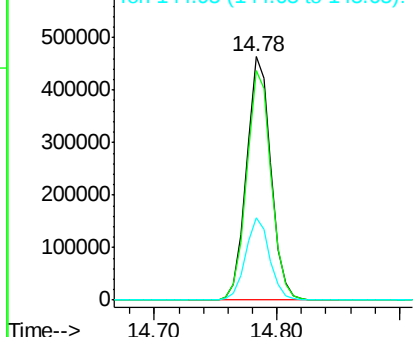
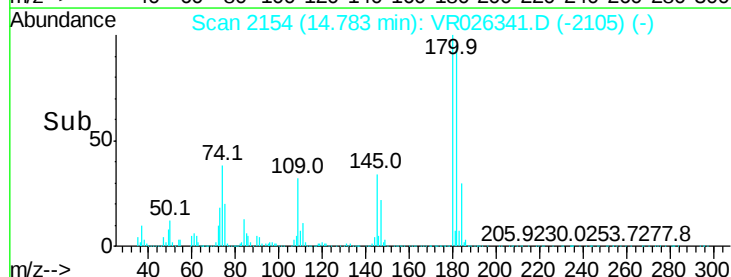


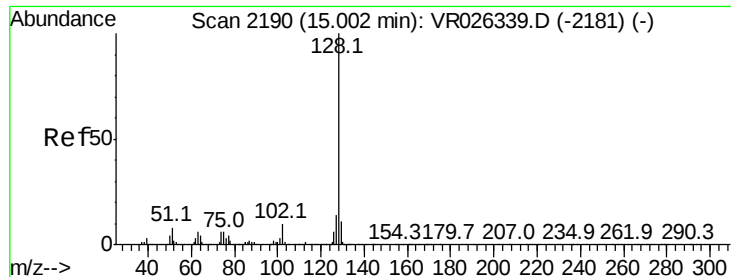
#68
 1,2,4-trichlorobenzene
 Concen: 24.622 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR026341.D
 Acq: 19 Feb 2019 16:43

Tgt Ion:180 Resp: 642198
 Ion Ratio Lower Upper
 180 100
 182 94.5 74.3 111.5
 145 33.5 25.9 38.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 30.111 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD02094

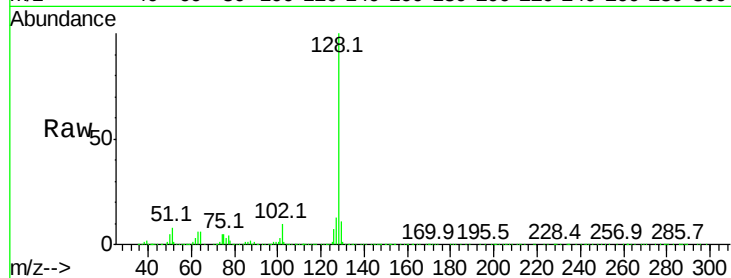
Tgt Ion:128 Resp: 704773

Ion Ratio Lower Upper

128 100

127 13.2 10.9 16.3

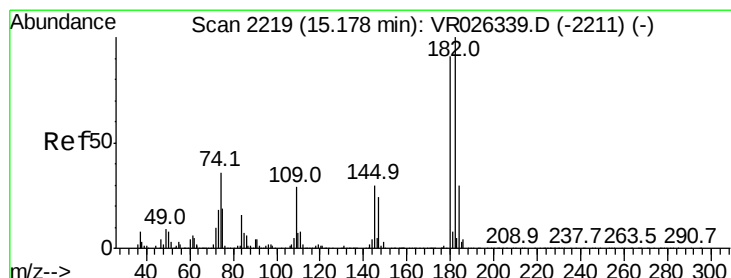
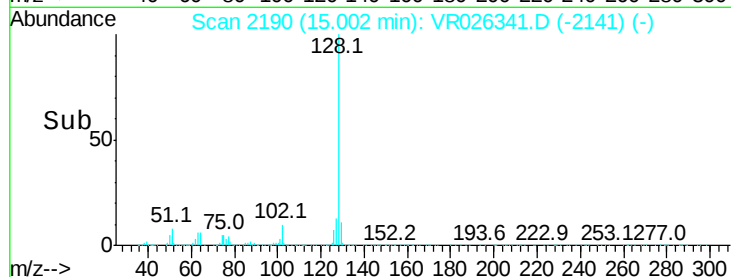
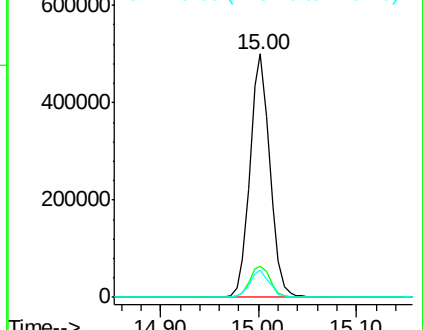
129 10.9 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.968 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026341.D

Acq: 19 Feb 2019 16:43

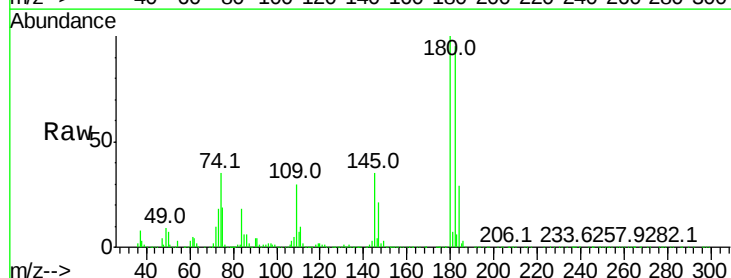
Tgt Ion:180 Resp: 451213

Ion Ratio Lower Upper

180 100

182 95.2 77.0 115.4

145 35.4 27.7 41.5



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

