

Data File : VR026339.D
Acq On : 19 Feb 2019 15:37
Operator : SY/MD
Sample : VSTD00592
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

Quant Time: Feb 19 16:04:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 14:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	581192	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	504533	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	203017	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	218156	4.12	ug/L	0.00
7) Chloroethane-d5	2.63	69	193126	4.45	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	568965	4.47	ug/L	0.00
20) 2-Butanone-d5	6.58	46	172180	50.96	ug/L	0.00
24) Chloroform-d	7.20	84	409601	4.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	152255	4.75	ug/L	0.00
32) Benzene-d6	7.85	84	793128	4.60	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	200842	4.55	ug/L	0.00
41) Toluene-d8	9.97	98	758870	4.72	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	52860	4.45	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	154032	57.08	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	78688	4.70	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	147405	4.34	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	215383	4.022 ug/L	98
3) Chloromethane	2.02	50	276877	4.528 ug/L	97
5) Vinyl chloride	2.17	62	271140	4.402 ug/L	98
6) Bromomethane	2.53	94	185535	4.683 ug/L	93
8) Chloroethane	2.66	64	170972	4.620 ug/L	98
9) Trichlorofluoromethane	2.93	101	177243	1.777 ug/L #	22
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	243954	4.624 ug/L	96
12) 1,1-Dichloroethene	3.62	96	255092	4.594 ug/L	87
13) Acetone	3.69	43	181578	50.954 ug/L	99
14) Carbon disulfide	3.93	76	783191	4.314 ug/L	98
15) Methyl Acetate	4.19	43	48937	4.990 ug/L	99
16) Methylene chloride	4.40	84	222149	4.725 ug/L	98
17) Methyl tert-butyl Ether	4.89	73	253034	5.190 ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	234912	4.661 ug/L	99
19) 1,1-Dichloroethane	5.69	63	410279	4.743 ug/L	98
21) 2-Butanone	6.68	43	231644	57.420 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	209248	5.148 ug/L	91
23) Bromochloromethane	7.05	128	63082	4.975 ug/L	95
25) Chloroform	7.23	83	402560	4.790 ug/L	97
27) 1,2-Dichloroethane	7.99	62	185367	5.099 ug/L #	93
29) 1,1,1-Trichloroethane	7.43	97	368940	4.442 ug/L	99
30) Cyclohexane	7.51	56	339062	5.099 ug/L	99
31) Carbon tetrachloride	7.63	117	337516	4.384 ug/L	98
33) Benzene	7.90	78	933571	4.677 ug/L	100
34) Trichloroethene	8.71	95	233706	4.540 ug/L	98
35) Methylcyclohexane	8.95	83	356350	4.978 ug/L	98
37) 1,2-Dichloropropane	8.99	63	199709	4.633 ug/L	100
38) Bromodichloromethane	9.28	83	224889	4.679 ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	231866	5.228 ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	599129	60.298 ug/L	99

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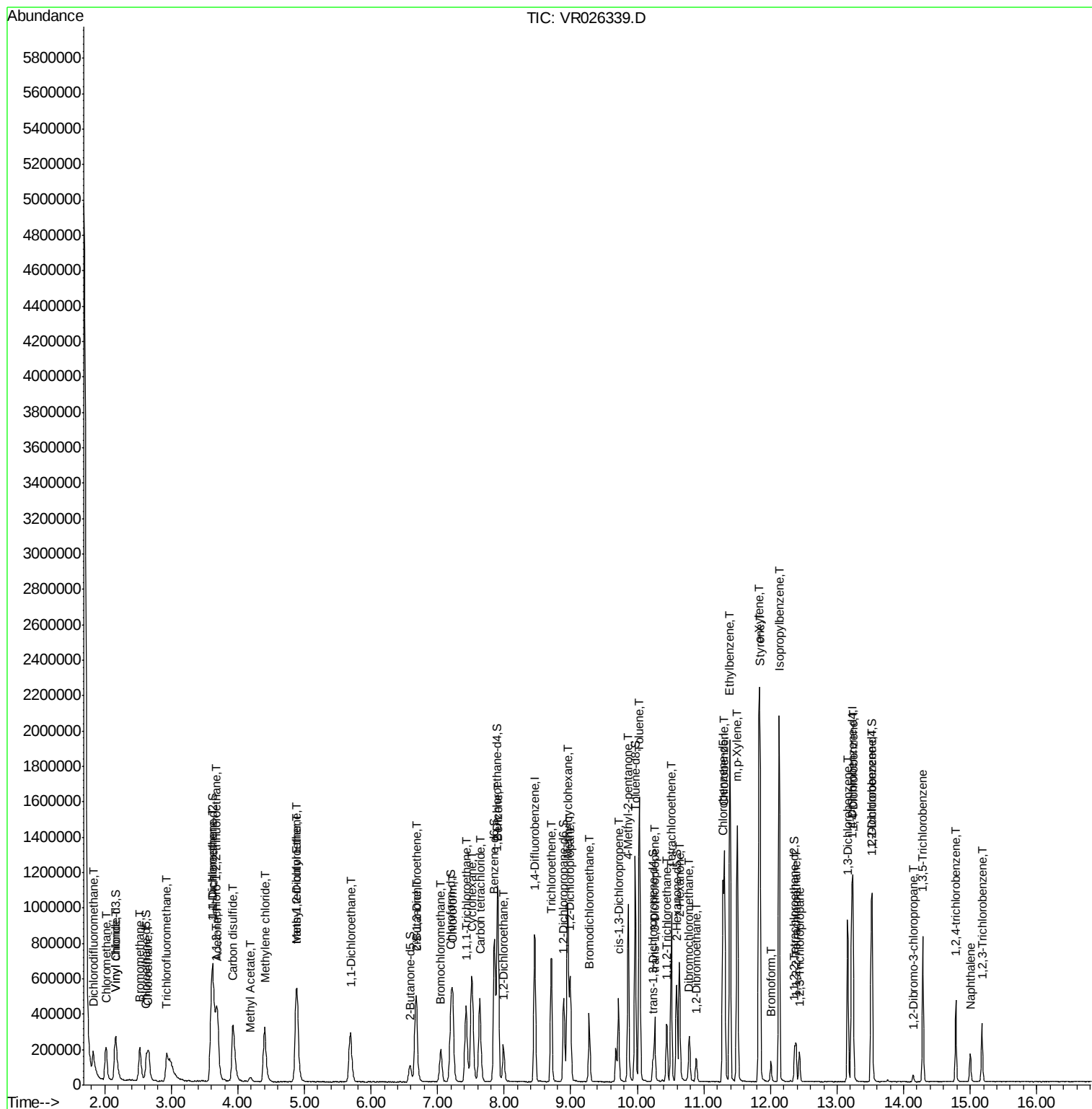
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	1003857	4.892	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	166335	5.055	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	83752	4.653	ug/L	96
47) Tetrachloroethene	10.51	164	175796	4.451	ug/L	94
48) 2-Hexanone	10.63	43	402780	60.285	ug/L	97
49) Dibromochloromethane	10.79	129	112683	4.871	ug/L	97
50) 1,2-Dibromoethane	10.89	107	70680	4.939	ug/L	85
51) Chlorobenzene	11.31	112	544257	4.639	ug/L	99
52) Ethylbenzene	11.39	91	1145669	4.994	ug/L	98
53) m,p-Xylene	11.50	106	413328	4.931	ug/L	97
54) o-Xylene	11.83	106	379244	5.246	ug/L	94
55) Styrene	11.84	104	598706	5.272	ug/L	97
56) Isopropylbenzene	12.13	105	1086944	5.289	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	83147	4.987	ug/L #	95
59) 1,2,3-Trichloropropane	12.43	75	58162	4.840	ug/L	96
61) Bromoform	12.01	173	43342	4.335	ug/L	95
62) 1,3-Dichlorobenzene	13.16	146	302746	4.566	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	338543	4.472	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	266591	4.692	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	8802	4.285	ug/L #	87
67) 1,3,5-Trichlorobenzene	14.29	180	200504	4.718	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	109588	4.778	ug/L	96
69) Naphthalene	15.00	128	104475	5.076	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	82512	4.984	ug/L	97

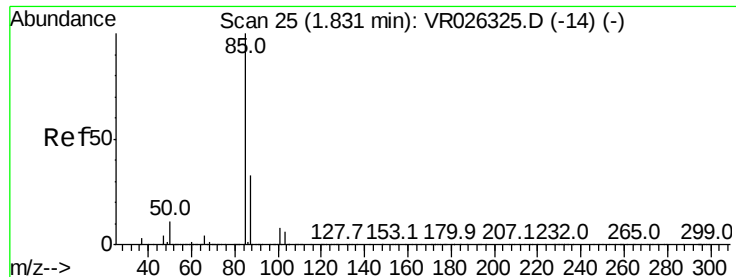
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.022 ug/L

RT: 1.82 min Scan# 24

Delta R.T. -0.01 min

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Instrument :

MSVOA_R

ClientSampleId :

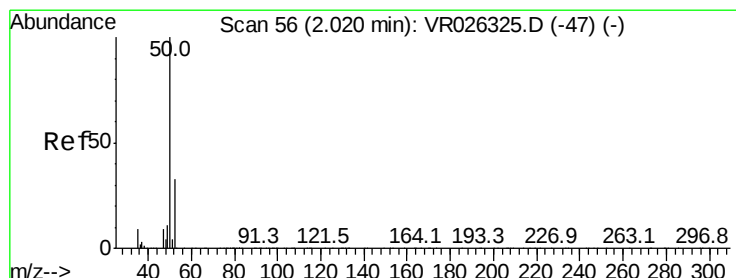
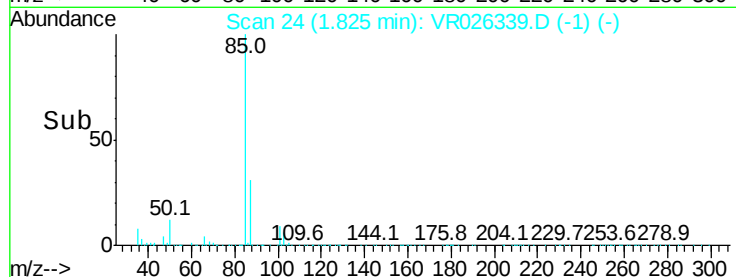
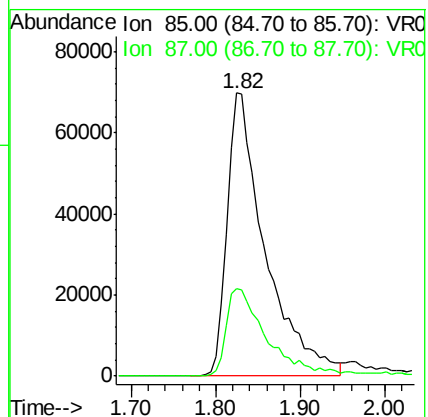
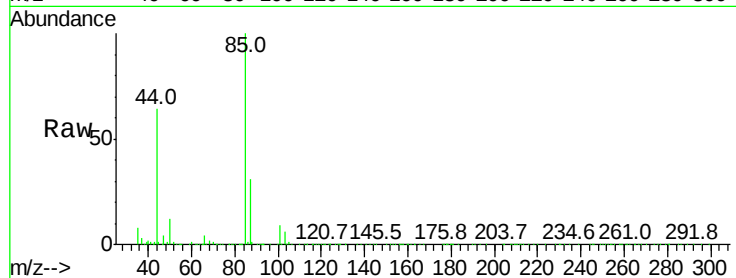
VSTD00592

Tgt Ion: 85 Resp: 215383

Ion Ratio Lower Upper

85 100

87 33.6 26.2 39.2



#3

Chloromethane

Concen: 4.528 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.00 min

Lab File: VR026339.D

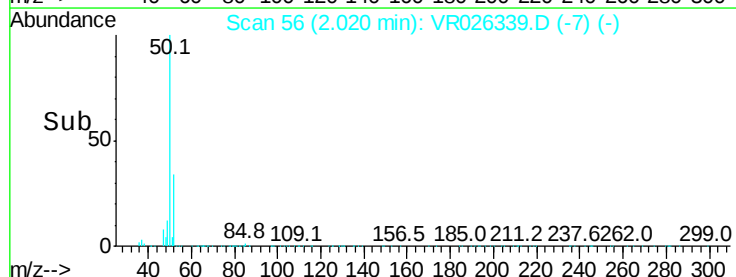
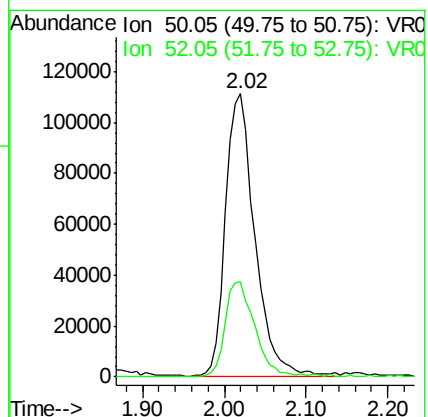
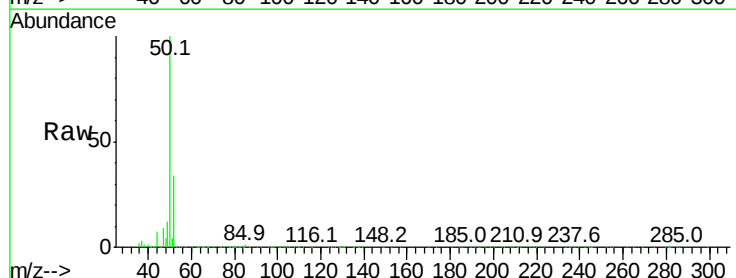
Acq: 19 Feb 2019 15:37

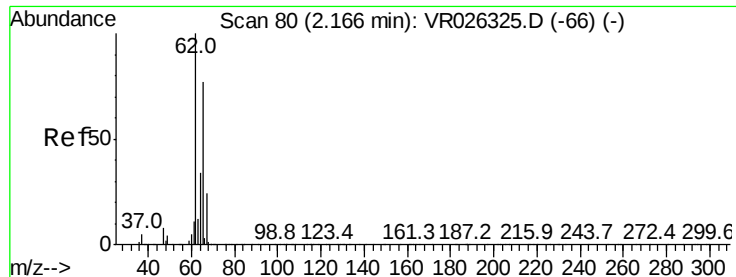
Tgt Ion: 50 Resp: 276877

Ion Ratio Lower Upper

50 100

52 33.6 22.3 41.5





#5

Vinyl chloride

Concen: 4.402 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.00 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_R

ClientSampleId :

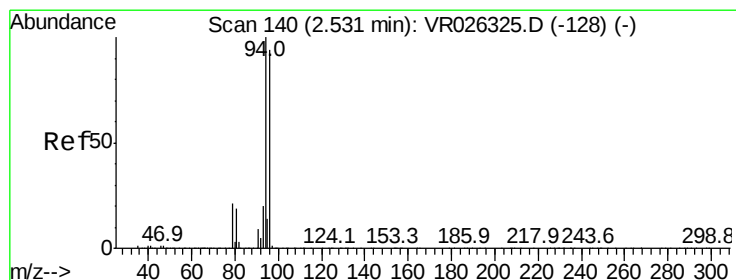
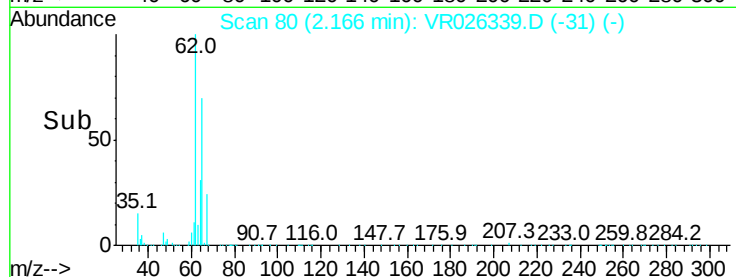
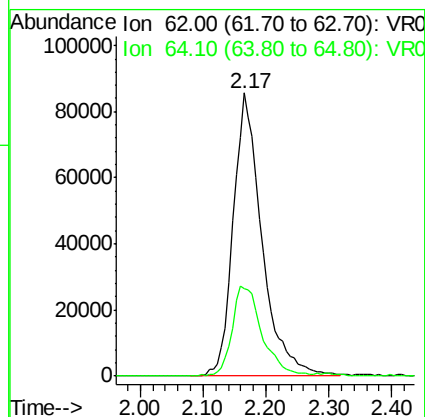
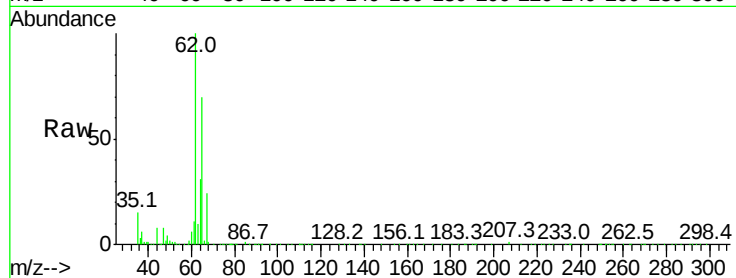
VSTD00592

Tgt Ion: 62 Resp: 271140

Ion Ratio Lower Upper

62 100

64 30.9 22.2 41.2



#6

Bromomethane

Concen: 4.683 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.00 min

Lab File: VR026339.D

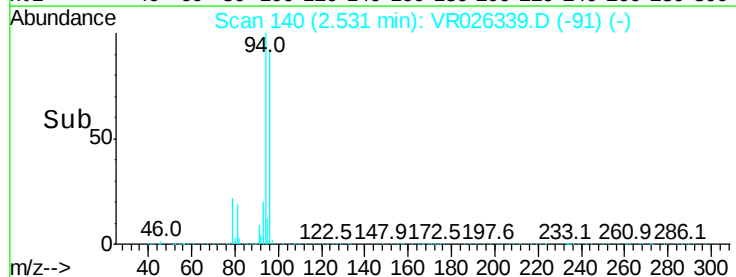
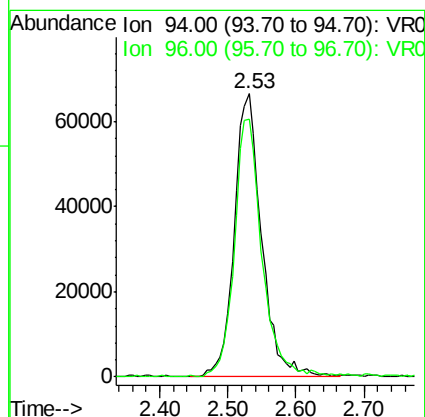
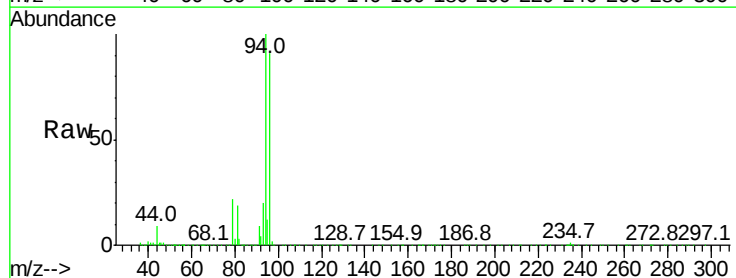
Acq: 19 Feb 2019 15:37

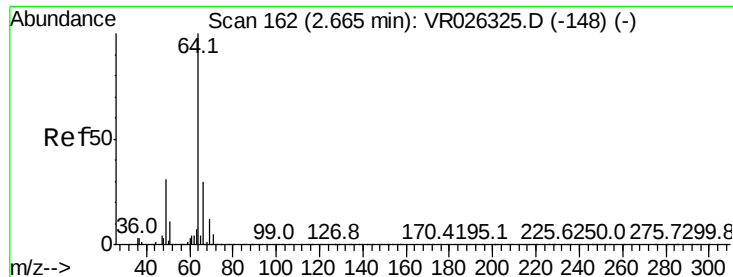
Tgt Ion: 94 Resp: 185535

Ion Ratio Lower Upper

94 100

96 91.1 68.6 127.4

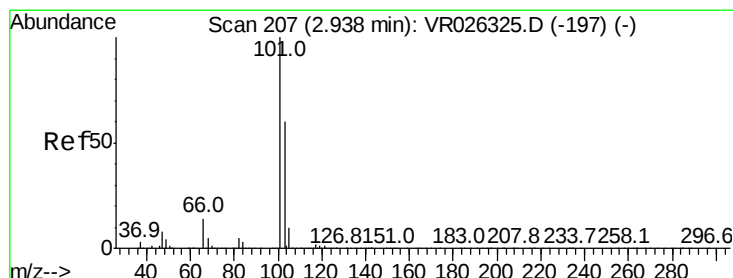
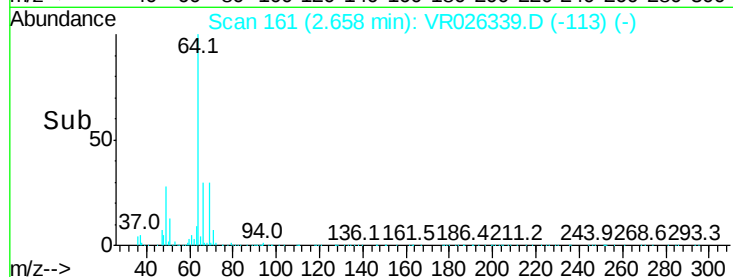
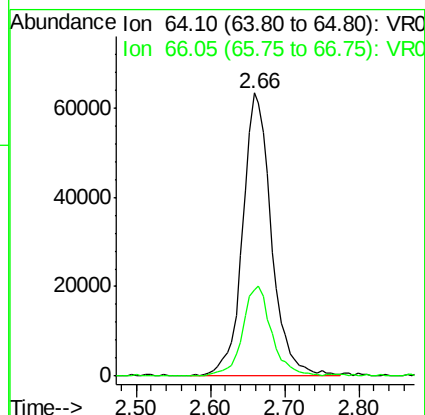
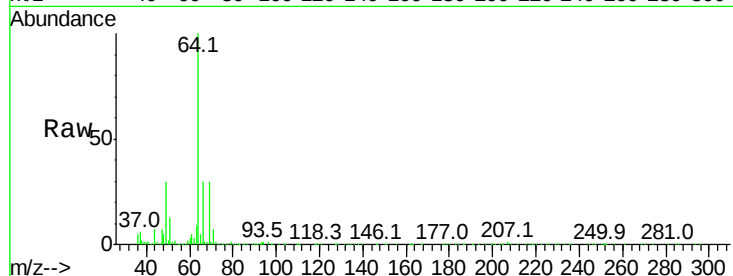




#8
Chloroethane
Concen: 4.620 ug/L
RT: 2.66 min Scan# 161
Delta R.T. -0.01 min
Lab File: VR026339.D
Acq: 19 Feb 2019 15:37

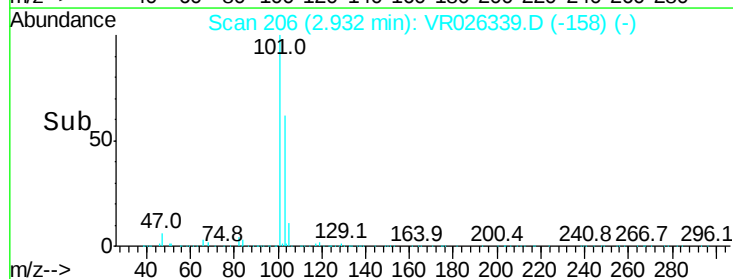
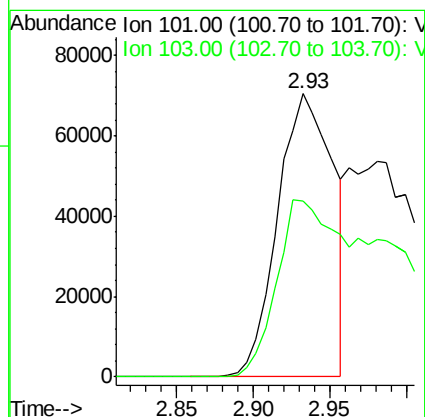
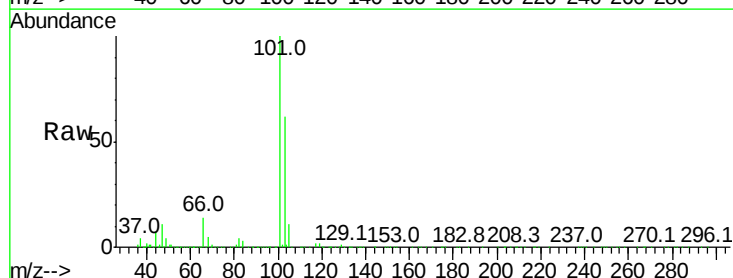
Instrument :
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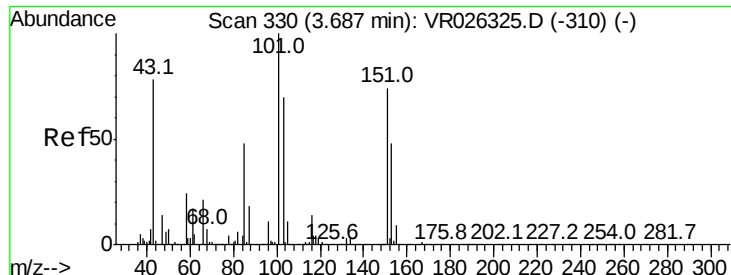
Tgt Ion: 64 Resp: 170972
Ion Ratio Lower Upper
64 100
66 30.3 22.0 40.8



#9
Trichlorofluoromethane
Concen: 1.777 ug/L
RT: 2.93 min Scan# 206
Delta R.T. -0.01 min
Lab File: VR026339.D
Acq: 19 Feb 2019 15:37

Tgt Ion: 101 Resp: 177243
Ion Ratio Lower Upper
101 100
103 71.5 23.5 35.3#





#10

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

Concen: 4.624 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.01 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

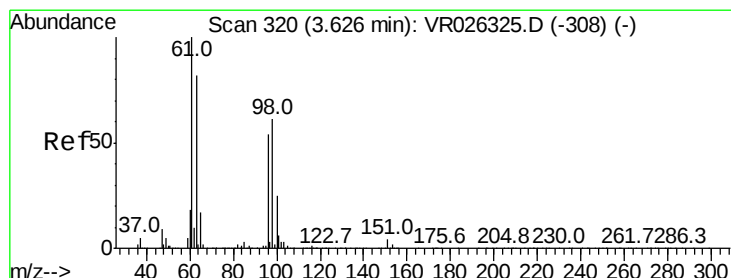
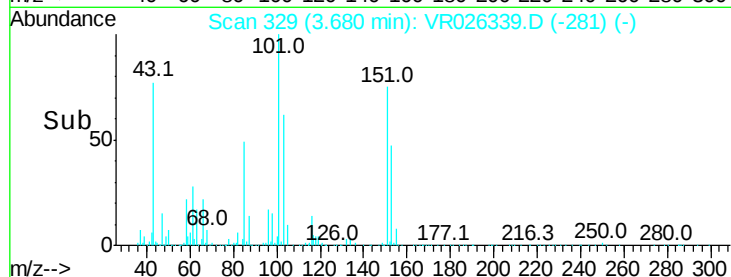
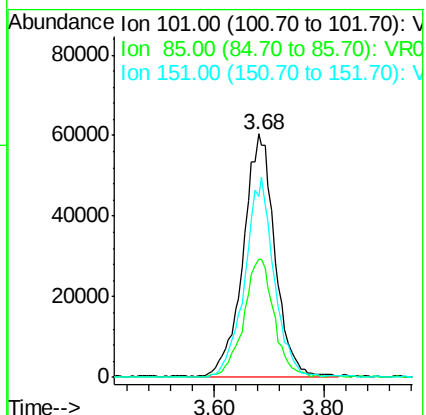
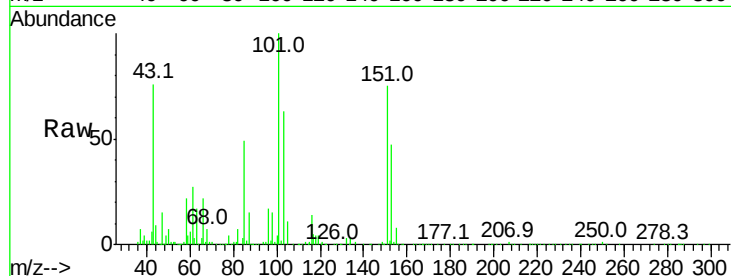
Tgt Ion: 101 Resp: 243954

Ion Ratio Lower Upper

101 100

85 46.6 39.0 58.6

151 75.5 63.1 94.7



#12

1,1-Dichloroethene

Concen: 4.594 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

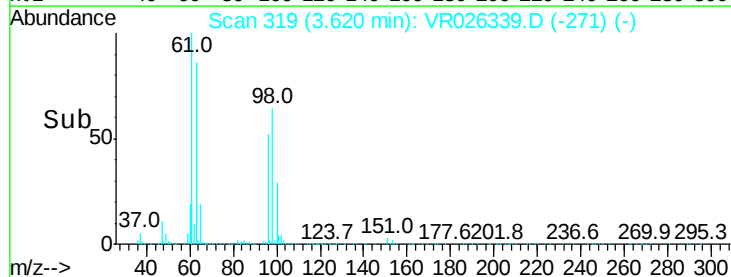
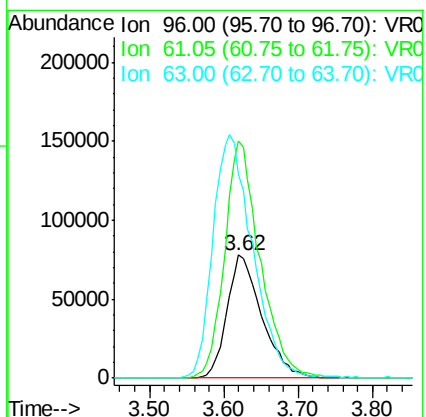
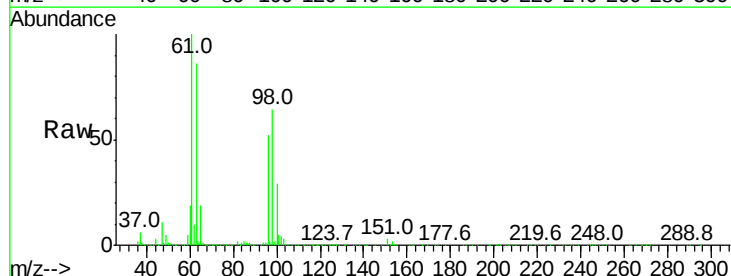
Tgt Ion: 96 Resp: 255092

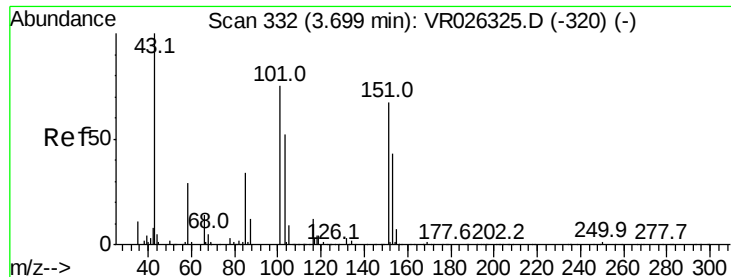
Ion Ratio Lower Upper

96 100

61 192.2 126.0 234.0

63 165.0 99.7 185.1





#13

Acetone

Concen: 50.954 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.01 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

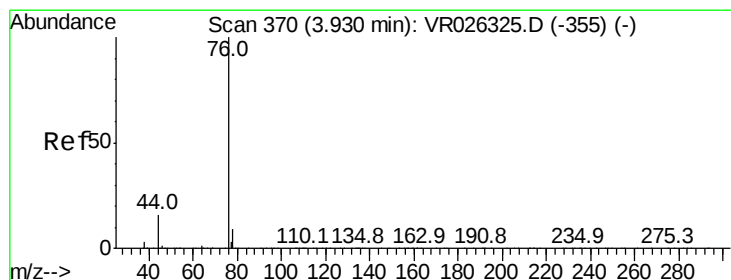
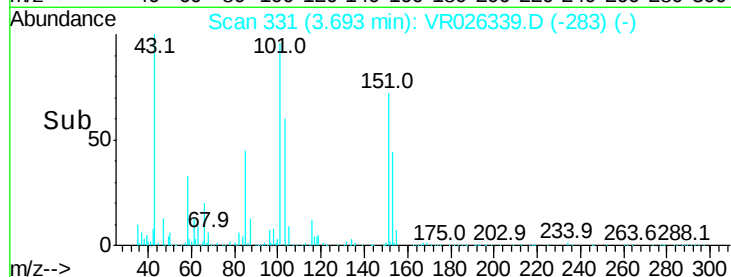
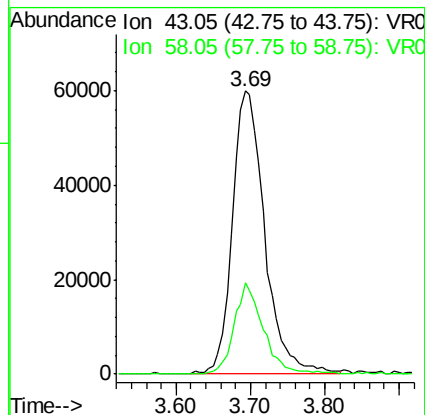
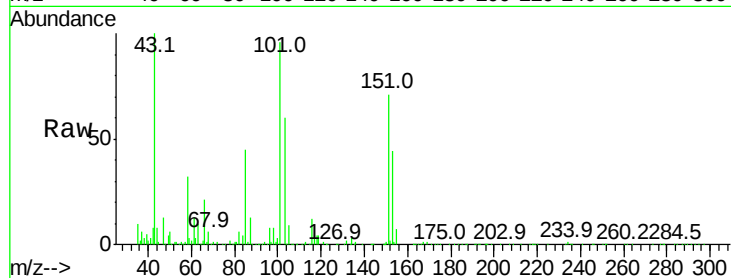
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

Tgt Ion: 43 Resp: 181578

Ion Ratio Lower Upper

43 100

58 29.0 0.0 56.6



#14

Carbon disulfide

Concen: 4.314 ug/L

RT: 3.93 min Scan# 370

Delta R.T. 0.00 min

Lab File: VR026339.D

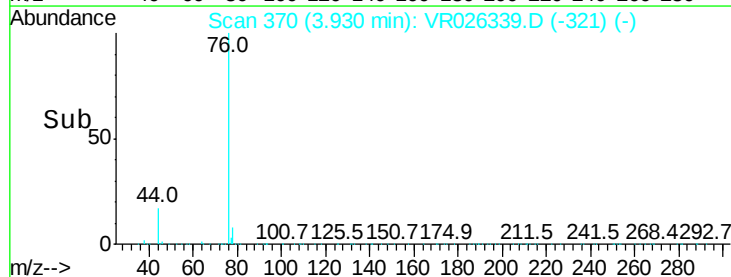
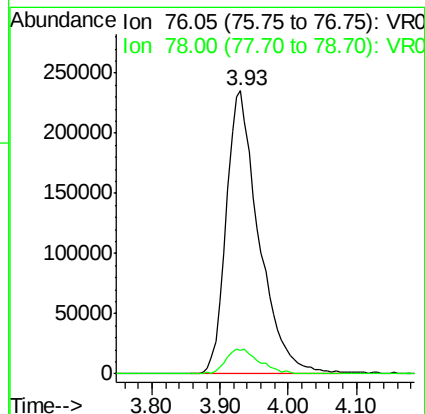
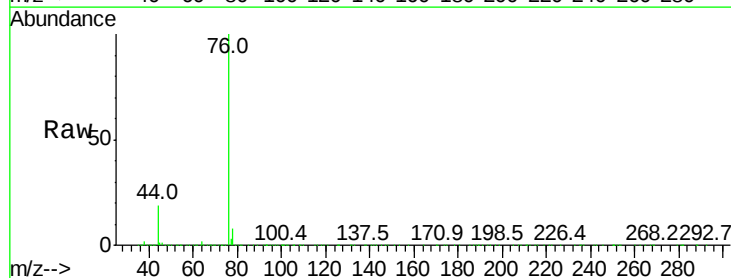
Acq: 19 Feb 2019 15:37

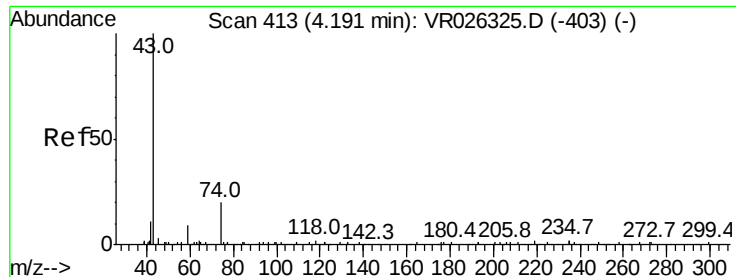
Tgt Ion: 76 Resp: 783191

Ion Ratio Lower Upper

76 100

78 8.4 7.2 10.8

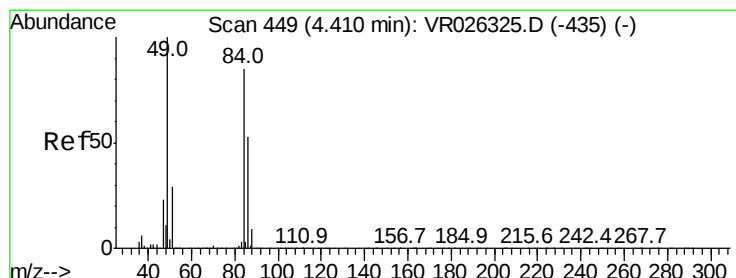
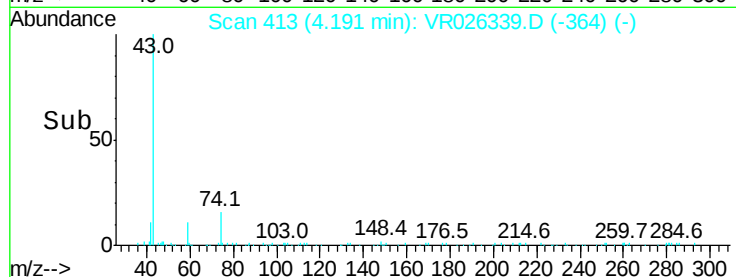
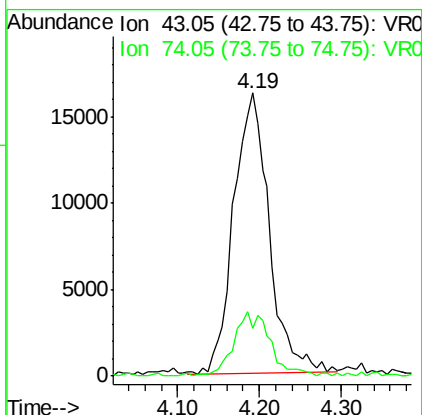
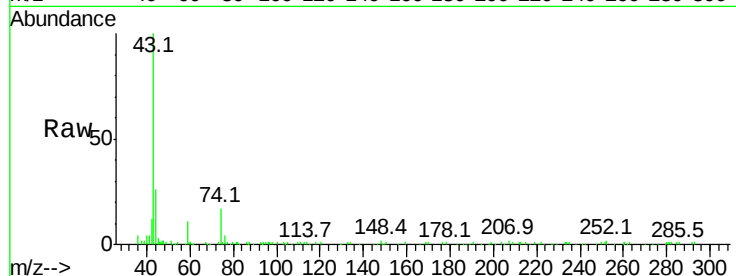




#15
Methyl Acetate
Concen: 4.990 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.00 min
Lab File: VR026339.D
Acq: 19 Feb 2019 15:37

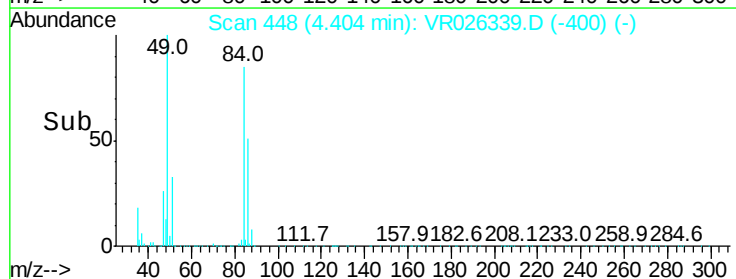
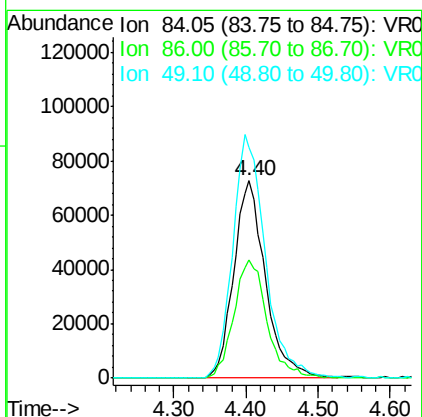
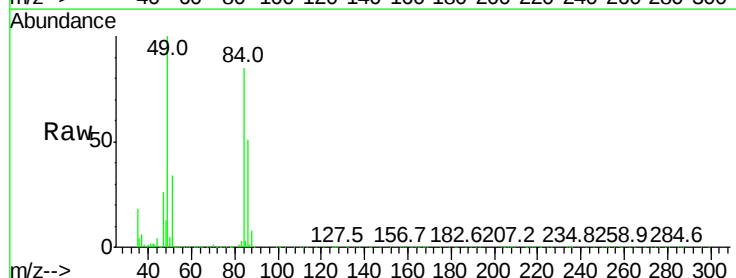
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

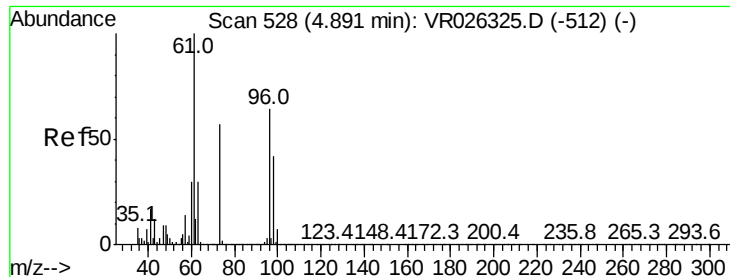
Tgt Ion: 43 Resp: 48937
Ion Ratio Lower Upper
43 100
74 23.3 18.4 27.6



#16
Methylene chloride
Concen: 4.725 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.01 min
Lab File: VR026339.D
Acq: 19 Feb 2019 15:37

Tgt Ion: 84 Resp: 222149
Ion Ratio Lower Upper
84 100
86 59.8 42.6 79.2
49 117.4 84.2 156.4





#17

Methyl tert-butyl Ether

Concen: 5.190 ug/L

RT: 4.89 min Scan# 528

Delta R.T. 0.00 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

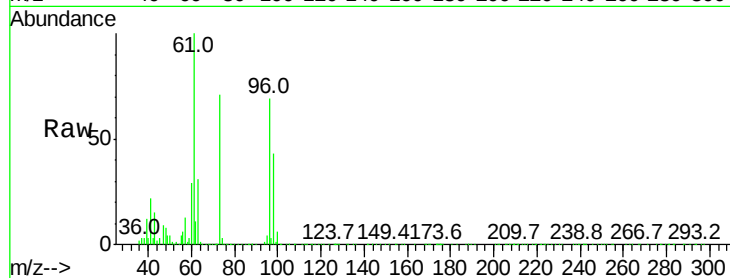
Tgt Ion: 73 Resp: 253034

Ion Ratio Lower Upper

73 100

43 22.7 17.5 26.3

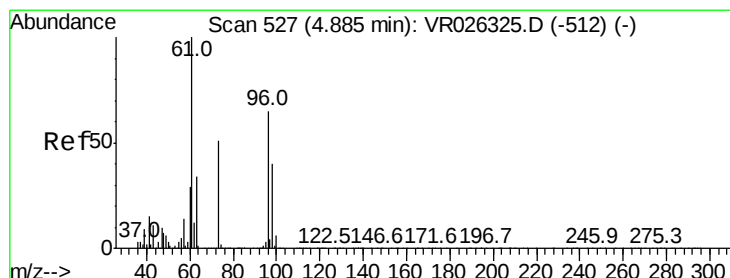
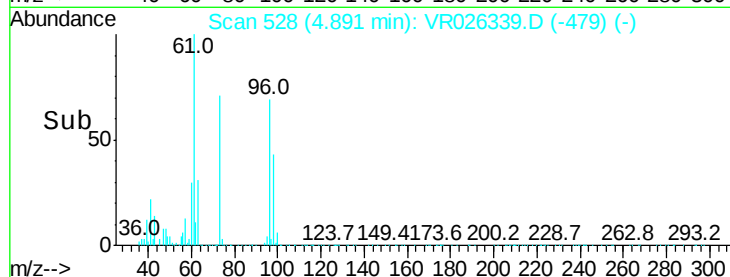
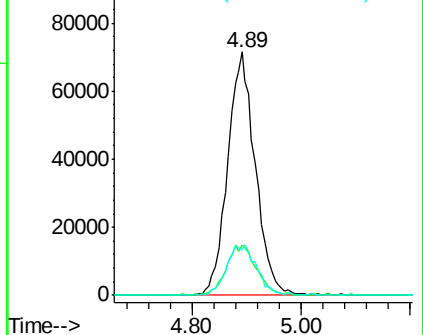
57 22.4 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#18

trans-1,2-Dichloroethene

Concen: 4.661 ug/L

RT: 4.89 min Scan# 527

Delta R.T. 0.00 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

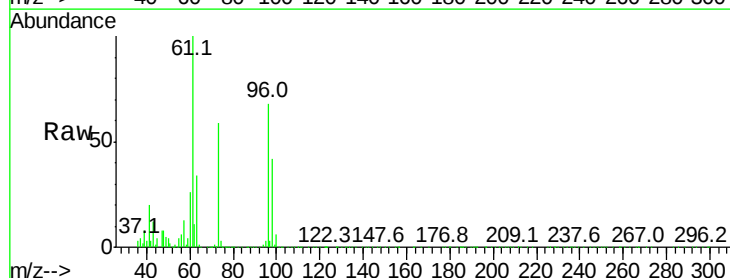
Tgt Ion: 96 Resp: 234912

Ion Ratio Lower Upper

96 100

61 147.7 102.5 190.3

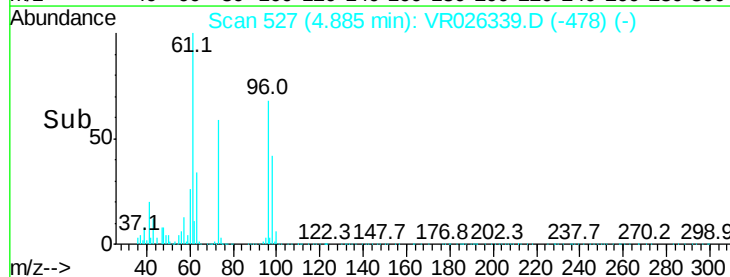
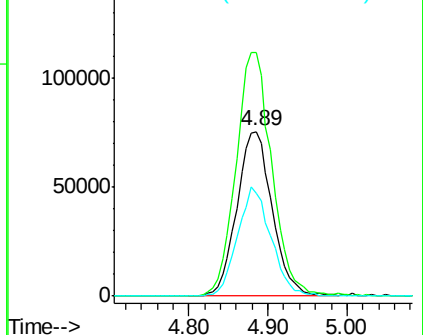
98 62.8 43.9 81.5

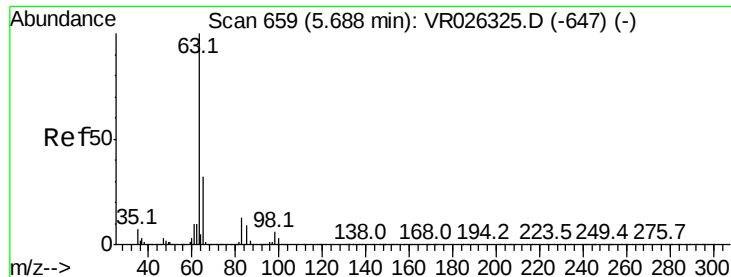


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0





#19

1,1-Dichloroethane

Concen: 4.743 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.01 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

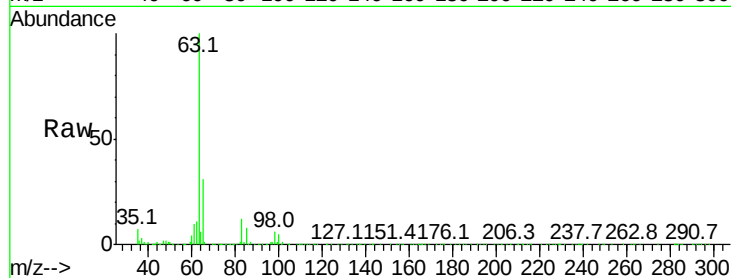
Tgt Ion: 63 Resp: 410279

Ion Ratio Lower Upper

63 100

65 30.8 22.3 41.3

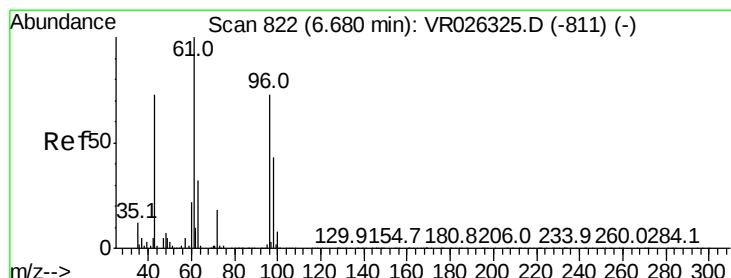
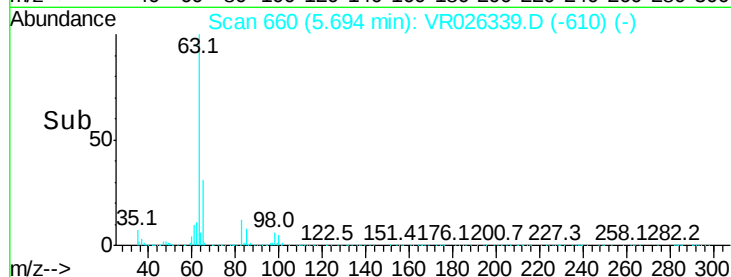
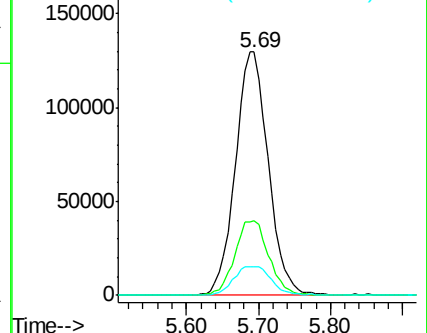
83 12.0 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 57.420 ug/L

RT: 6.68 min Scan# 822

Delta R.T. 0.00 min

Lab File: VR026339.D

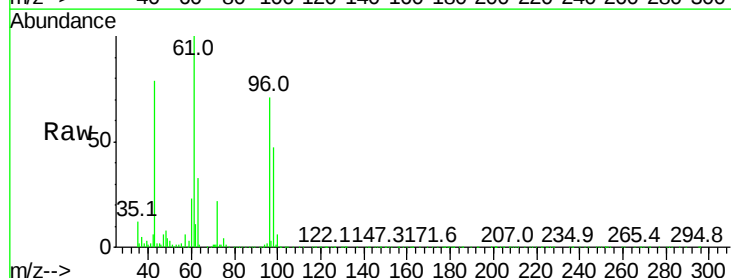
Acq: 19 Feb 2019 15:37

Tgt Ion: 43 Resp: 231644

Ion Ratio Lower Upper

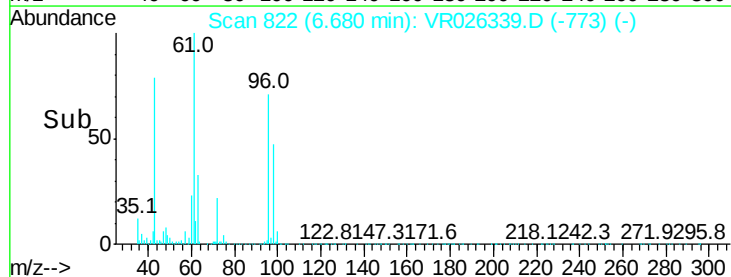
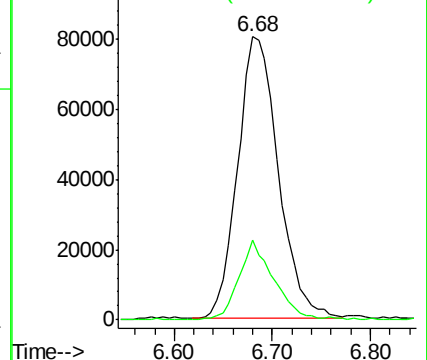
43 100

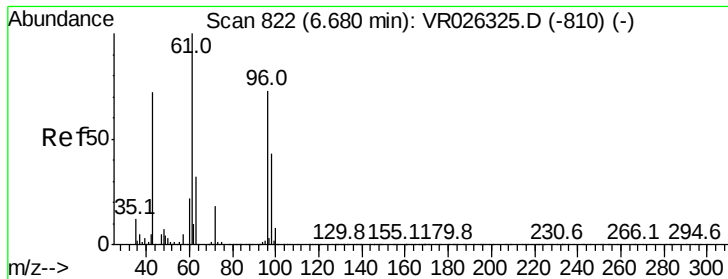
72 24.1 11.7 35.1



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



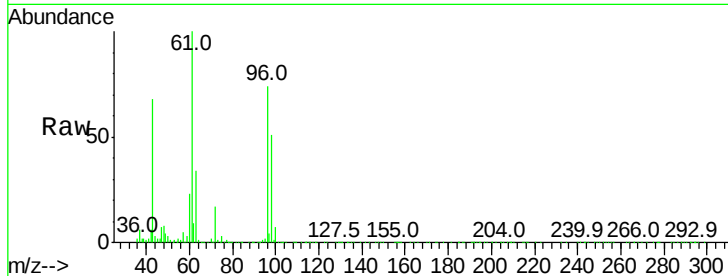


#22

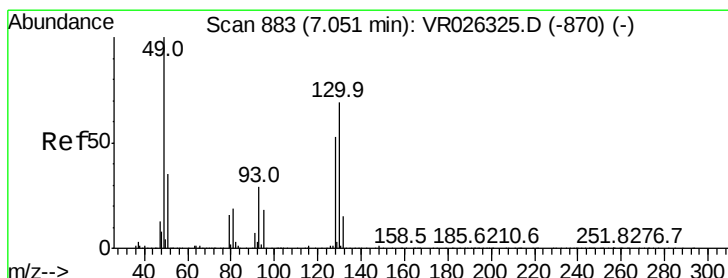
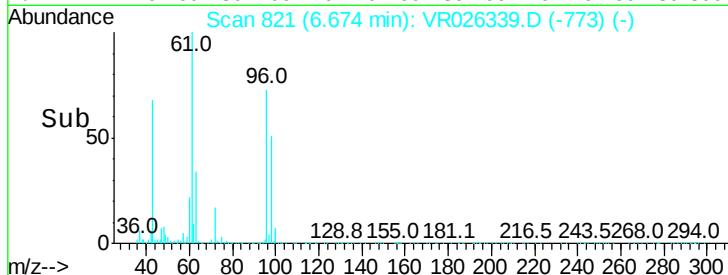
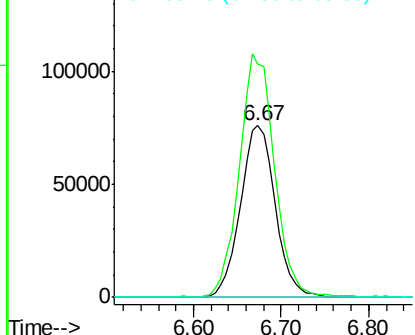
cis-1,2-Dichloroethene
Concen: 5.148 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.01 min
Lab File: VR026339.D
Acq: 19 Feb 2019 15:37

Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

Tgt Ion: 96 Resp: 209248
Ion Ratio Lower Upper
96 100
61 135.9 103.3 191.9
68 0.2 0.1 0.3



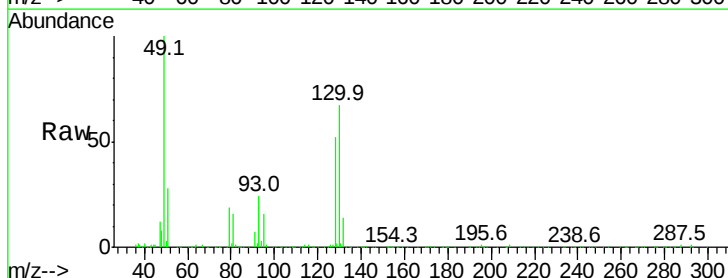
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



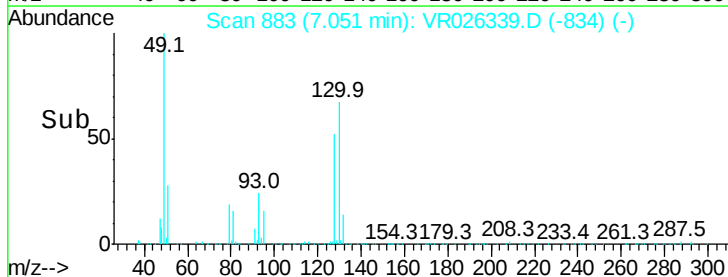
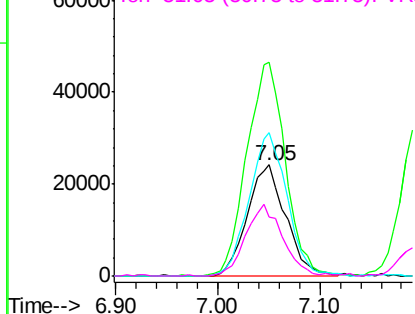
#23

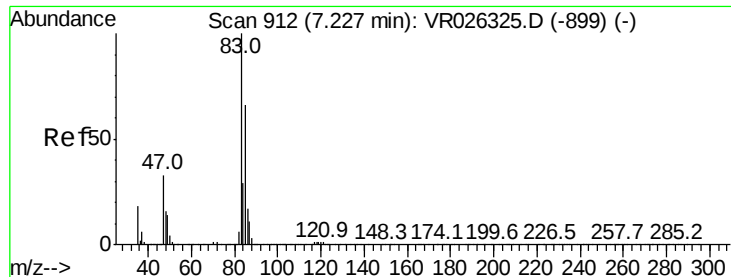
Bromochloromethane
Concen: 4.975 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR026339.D
Acq: 19 Feb 2019 15:37

Tgt Ion: 128 Resp: 63082
Ion Ratio Lower Upper
128 100
49 192.4 140.6 261.2
130 128.7 91.1 169.1
51 53.2 48.6 73.0



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VR0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VR0





#25

Chloroform

Concen: 4.790 ug/L

RT: 7.23 min Scan# 912

Delta R.T. 0.00 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_R

ClientSampleId :

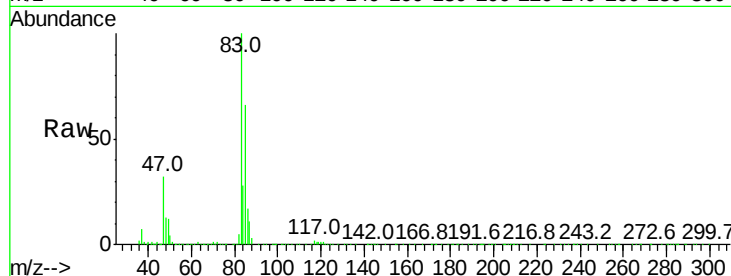
VSTD00592

Tgt Ion: 83 Resp: 402560

Ion Ratio Lower Upper

83 100

85 65.8 47.6 88.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

7.23

150000

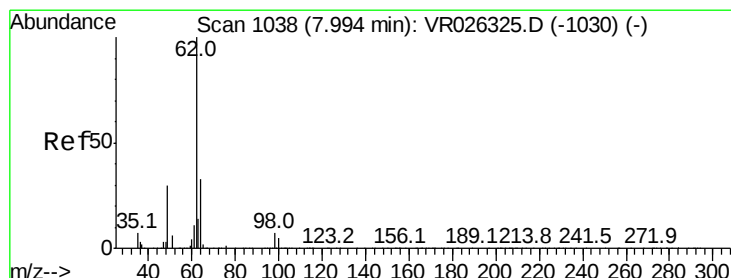
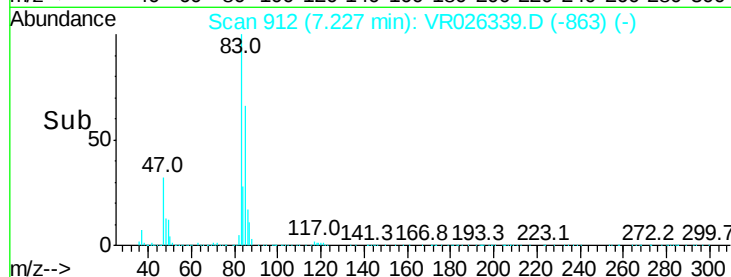
100000

50000

0

Time-->

7.10 7.20 7.30



#27

1,2-Dichloroethane

Concen: 5.099 ug/L

RT: 7.99 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VR026339.D

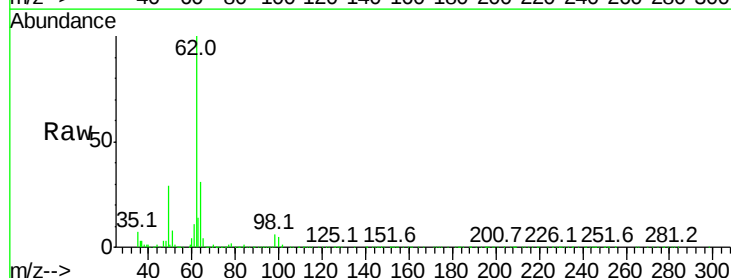
Acq: 19 Feb 2019 15:37

Tgt Ion: 62 Resp: 185367

Ion Ratio Lower Upper

62 100

98 6.4 7.0 10.6#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

7.99

100000

80000

60000

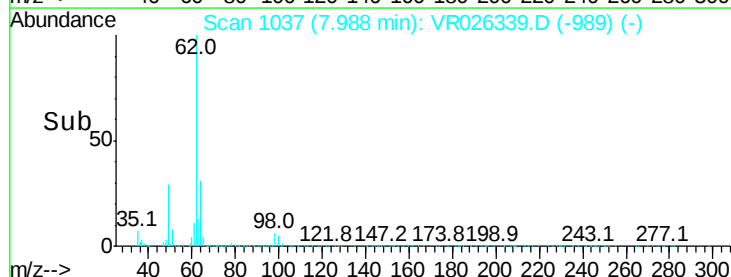
40000

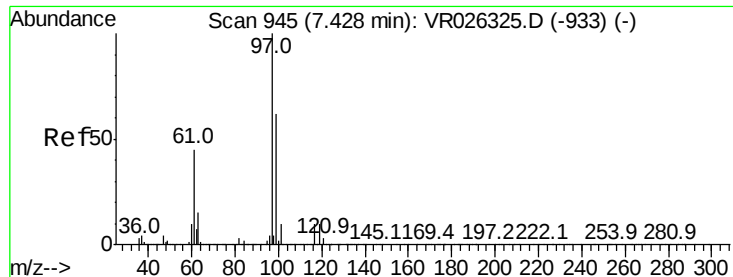
20000

0

Time-->

7.90 7.95 8.00 8.05 8.10

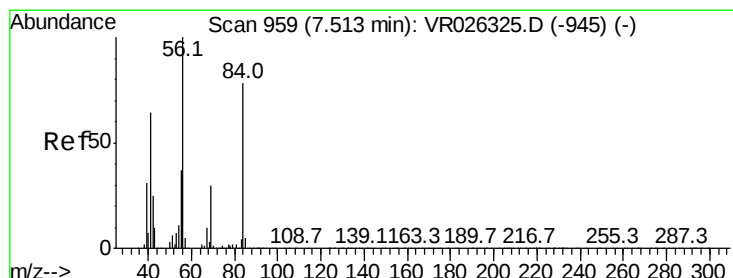
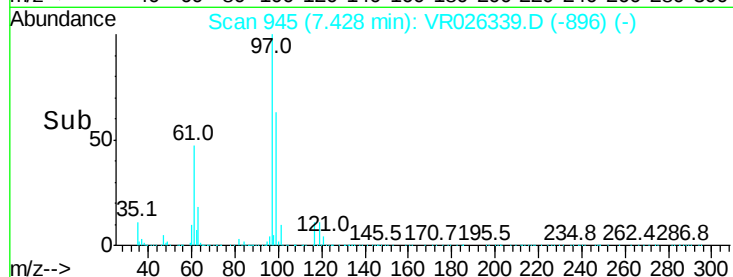
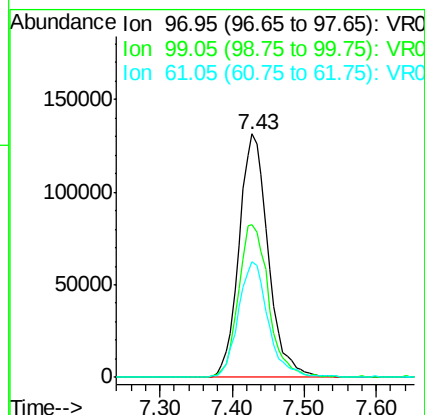
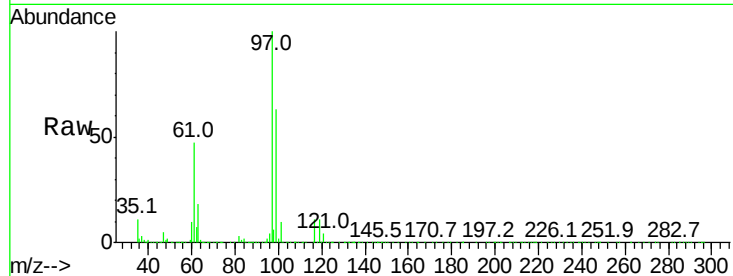




#29
 1,1,1-Trichloroethane
 Concen: 4.442 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VR026339.D
 Acq: 19 Feb 2019 15:37

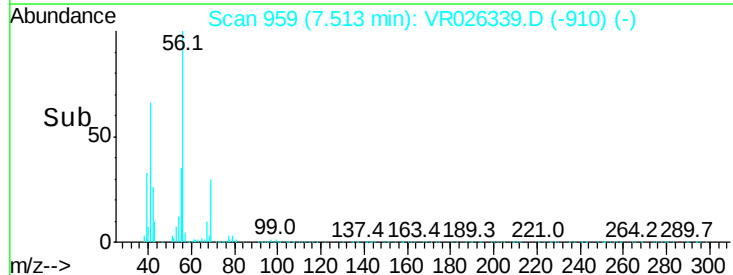
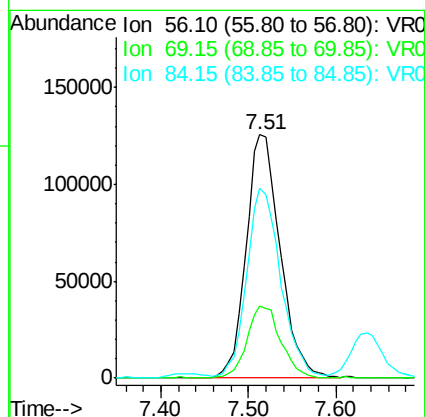
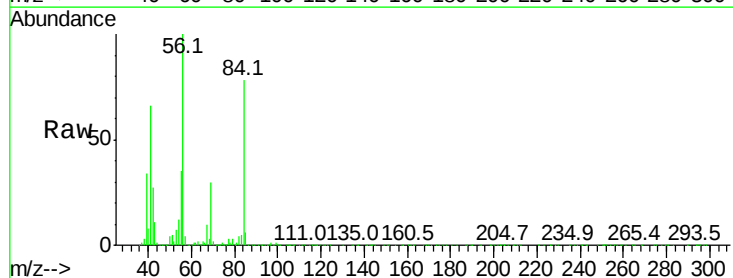
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

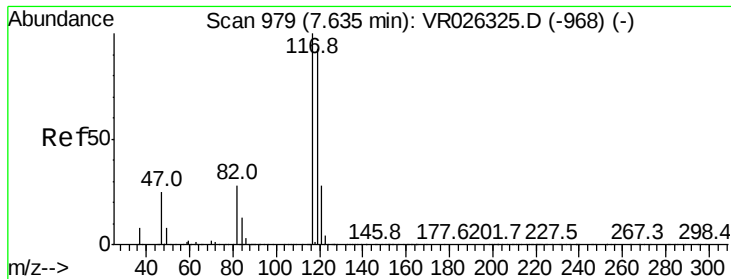
Tgt Ion: 97 Resp: 368940
 Ion Ratio Lower Upper
 97 100
 99 64.8 52.1 78.1
 61 48.4 39.1 58.7



#30
 Cyclohexane
 Concen: 5.099 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. 0.00 min
 Lab File: VR026339.D
 Acq: 19 Feb 2019 15:37

Tgt Ion: 56 Resp: 339062
 Ion Ratio Lower Upper
 56 100
 69 29.6 23.4 35.2
 84 78.5 63.8 95.6





#31

Carbon tetrachloride

Concen: 4.384 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_R

ClientSampleId :

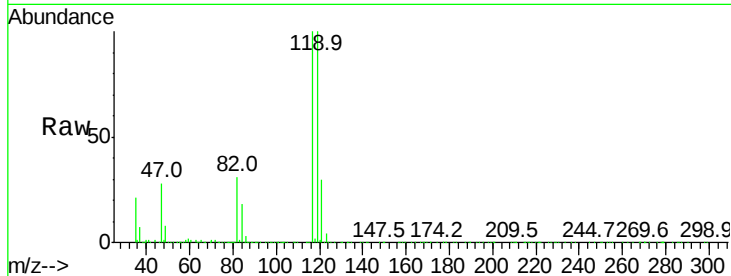
VSTD00592

Tgt Ion:117 Resp: 337516

Ion Ratio Lower Upper

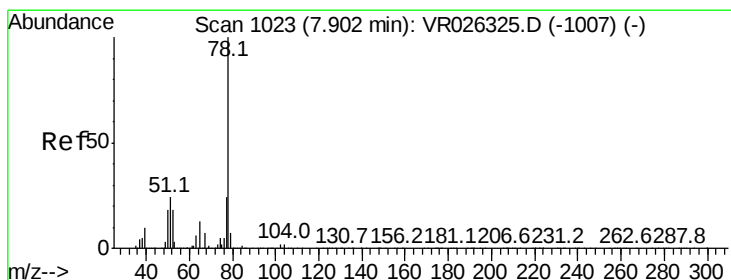
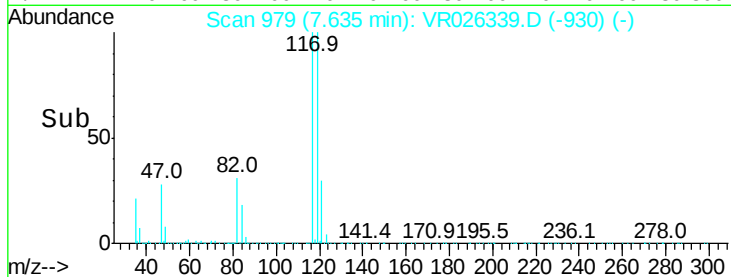
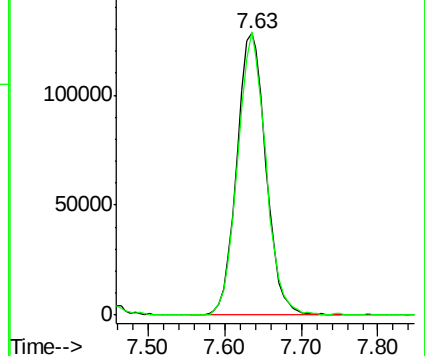
117 100

119 96.6 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: 4.677 ug/L

RT: 7.90 min Scan# 1023

Delta R.T. 0.00 min

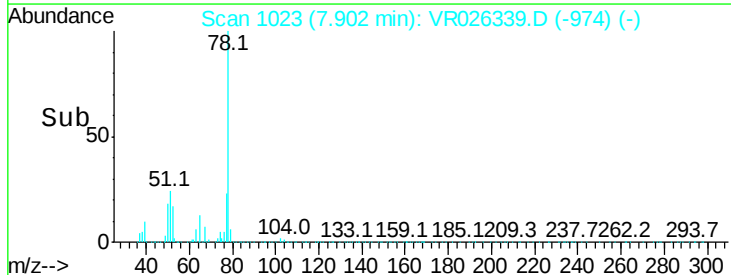
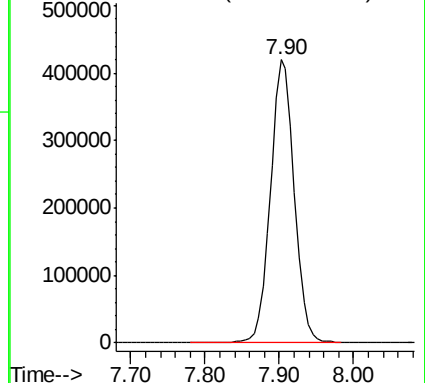
Lab File: VR026339.D

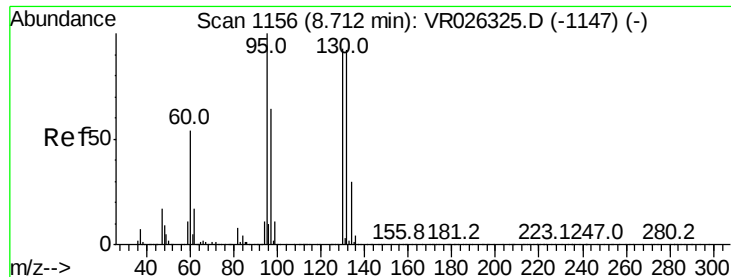
Acq: 19 Feb 2019 15:37

Tgt Ion: 78 Resp: 933571



Abundance Ion 78.10 (77.80 to 78.80): VR0

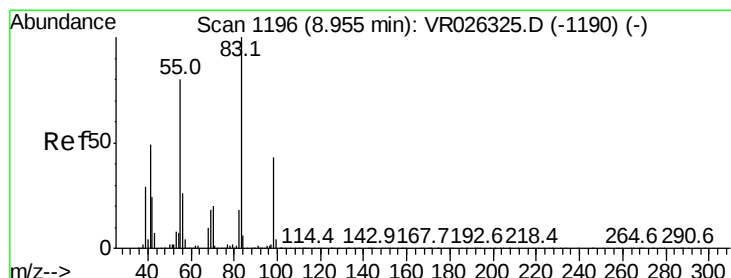
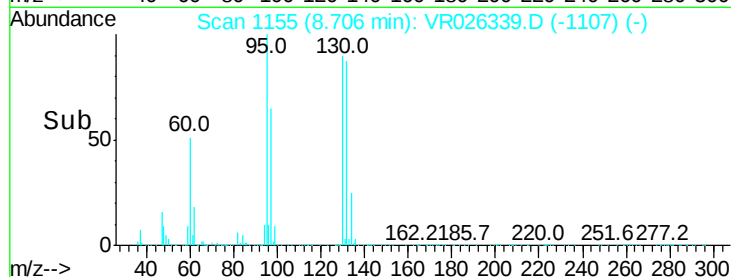
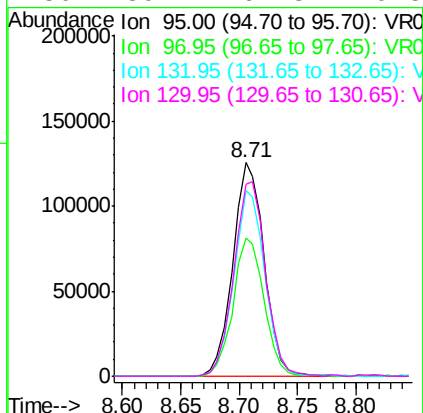
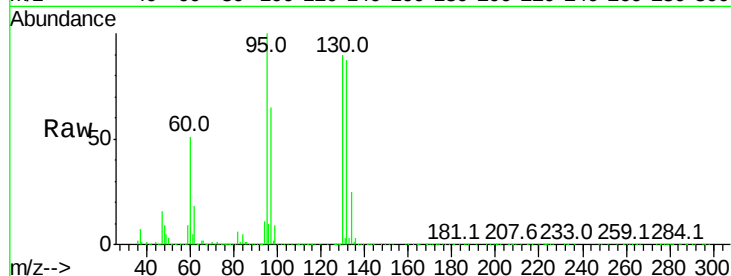




#34
 Trichloroethene
 Concen: 4.540 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VR026339.D
 Acq: 19 Feb 2019 15:37

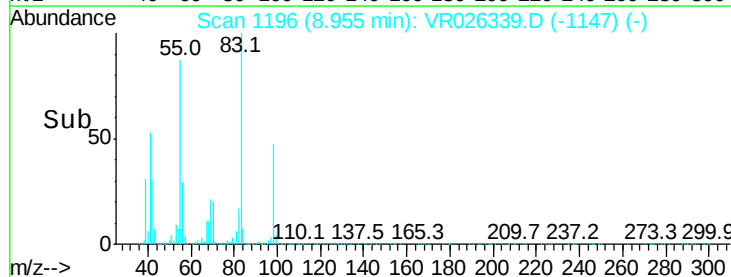
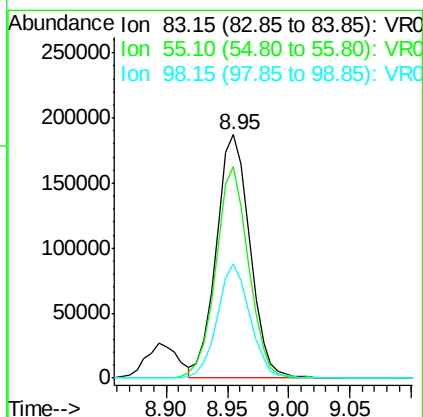
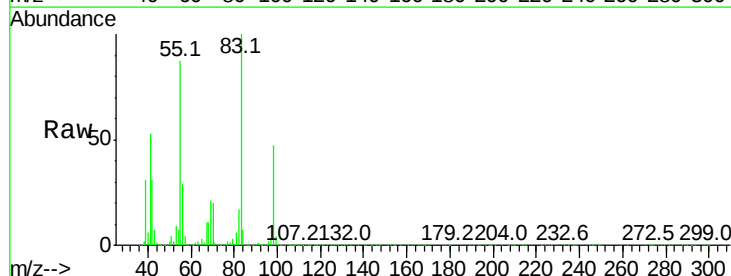
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

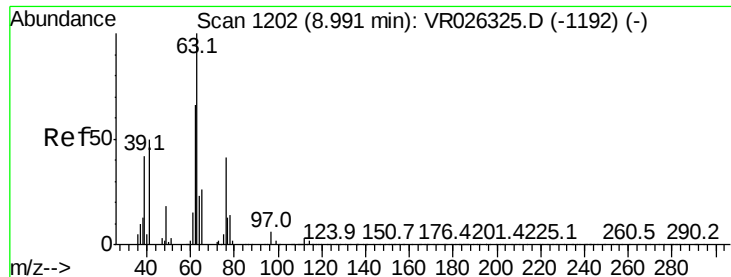
Tgt Ion:	95	Resp:	233706
Ion	Ratio	Lower	Upper
95	100		
97	64.5	46.6	86.6
132	86.7	61.9	114.9
130	89.7	64.3	119.5



#35
 Methylcyclohexane
 Concen: 4.978 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VR026339.D
 Acq: 19 Feb 2019 15:37

Tgt Ion:	83	Resp:	356350
Ion	Ratio	Lower	Upper
83	100		
55	84.1	68.8	103.2
98	46.2	36.3	54.5

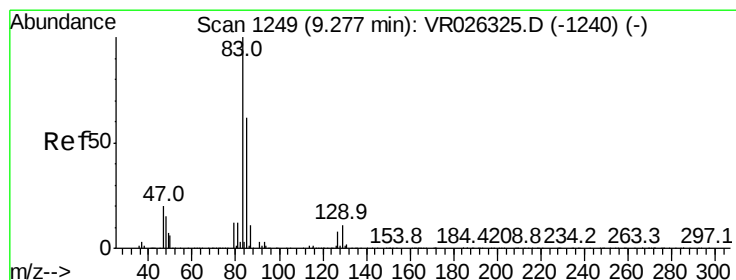
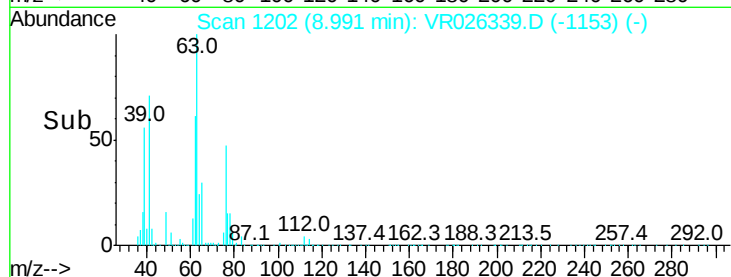
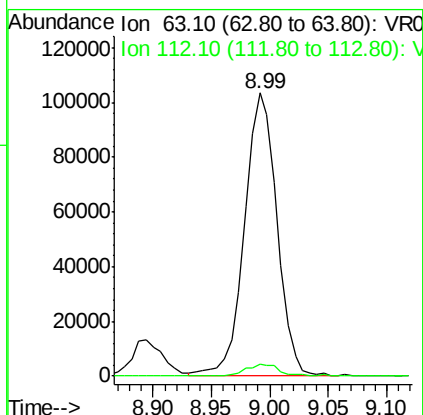
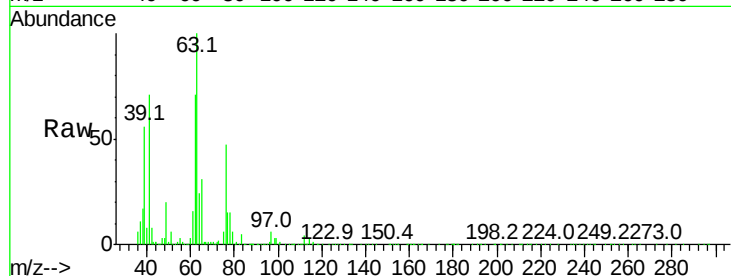




#37
 1,2-Dichloropropane
 Concen: 4.633 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VR026339.D
 Acq: 19 Feb 2019 15:37

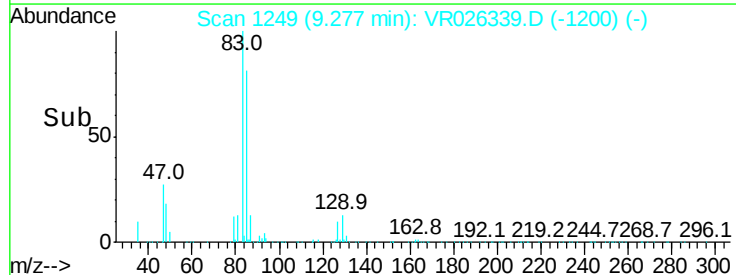
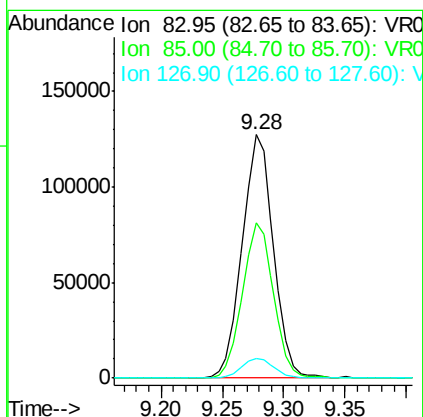
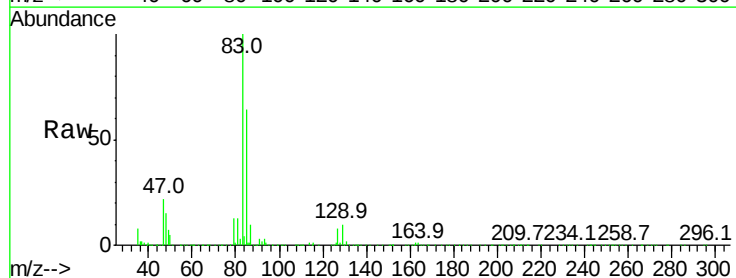
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

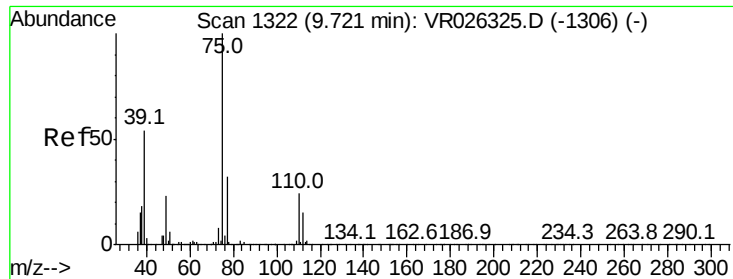
Tgt Ion: 63 Resp: 199709
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.3 4.9



#38
 Bromodichloromethane
 Concen: 4.679 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VR026339.D
 Acq: 19 Feb 2019 15:37

Tgt Ion: 83 Resp: 224889
 Ion Ratio Lower Upper
 83 100
 85 63.7 46.3 85.9
 127 8.0 6.2 9.4

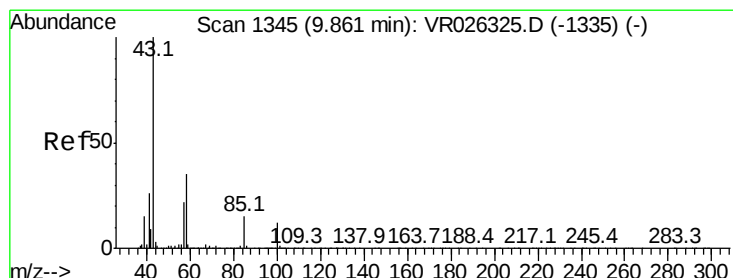
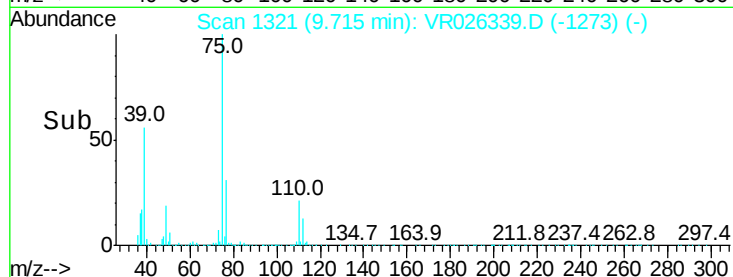
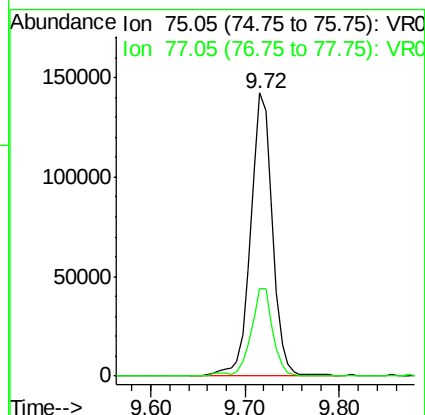
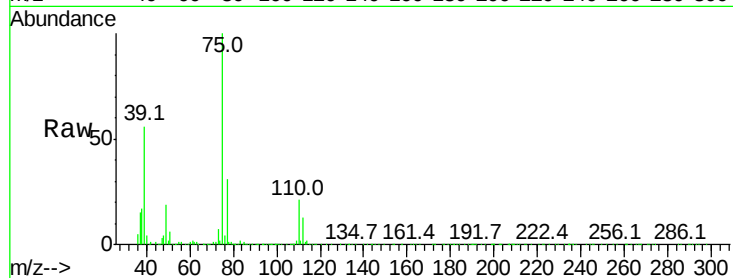




#39
 cis-1,3-Dichloropropene
 Concen: 5.228 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VR026339.D
 Acq: 19 Feb 2019 15:37

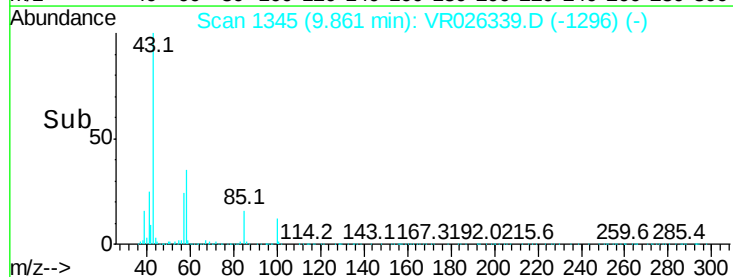
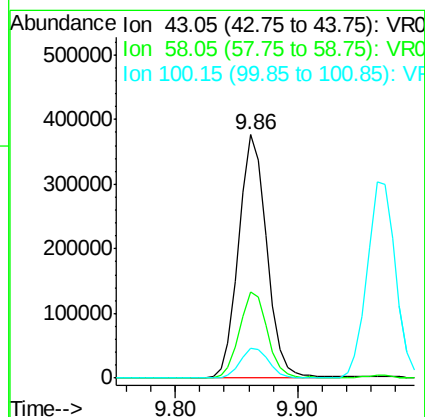
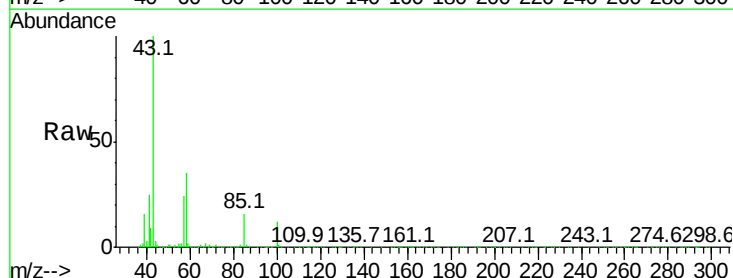
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

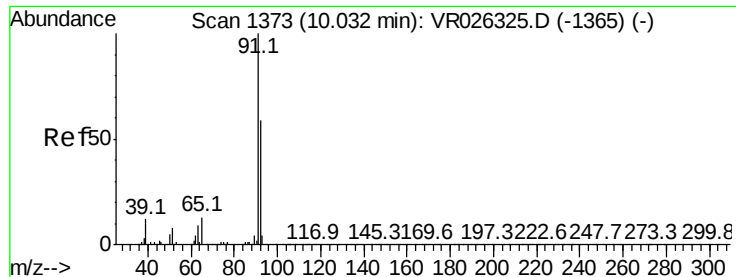
Tgt Ion: 75 Resp: 231866
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 60.298 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VR026339.D
 Acq: 19 Feb 2019 15:37

Tgt Ion: 43 Resp: 599129
 Ion Ratio Lower Upper
 43 100
 58 35.3 28.7 43.1
 100 12.5 9.8 14.6





#42

Toluene

Concen: 4.892 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_R

ClientSampleId :

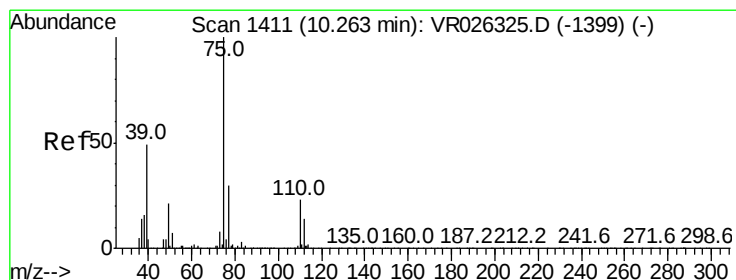
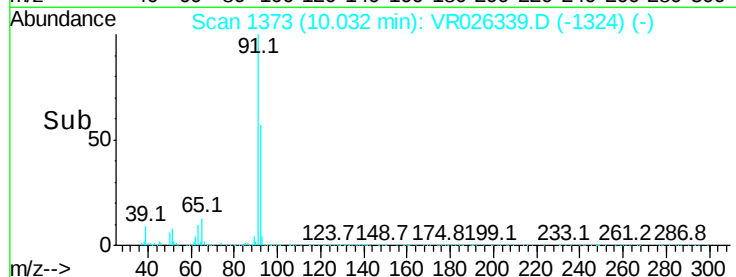
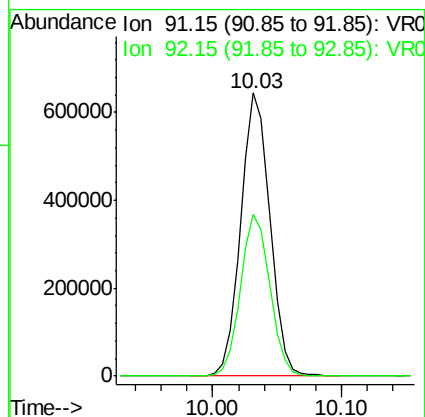
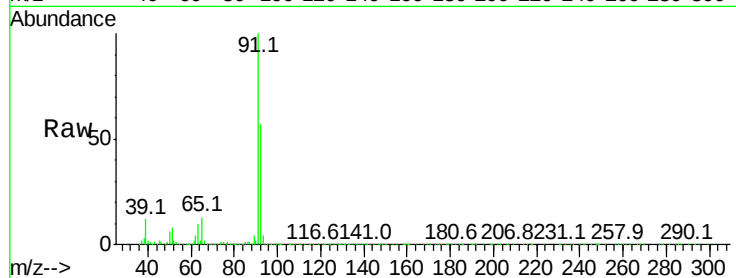
VSTD00592

Tgt Ion: 91 Resp: 1003857

Ion Ratio Lower Upper

91 100

92 57.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.055 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026339.D

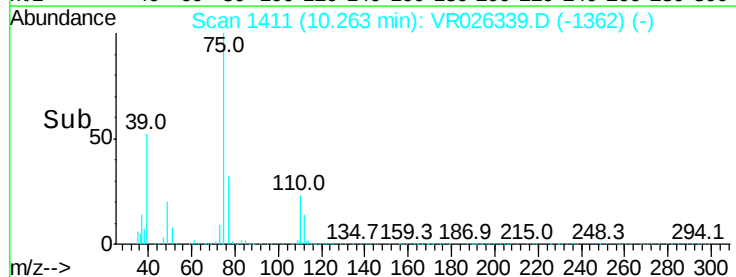
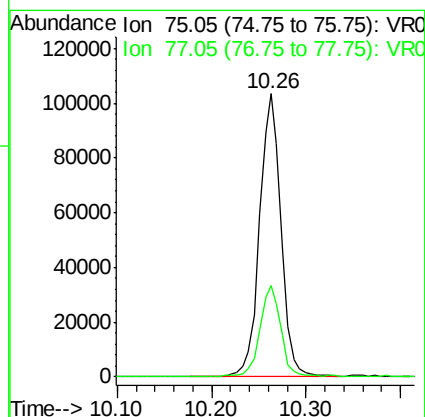
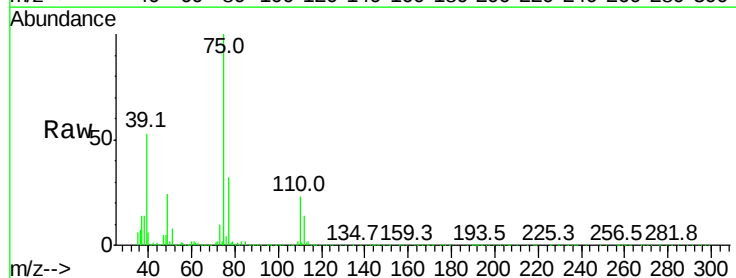
Acq: 19 Feb 2019 15:37

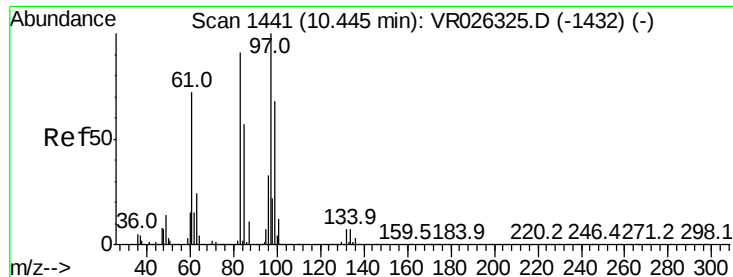
Tgt Ion: 75 Resp: 166335

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 4.653 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

Tgt Ion: 97 Resp: 83752

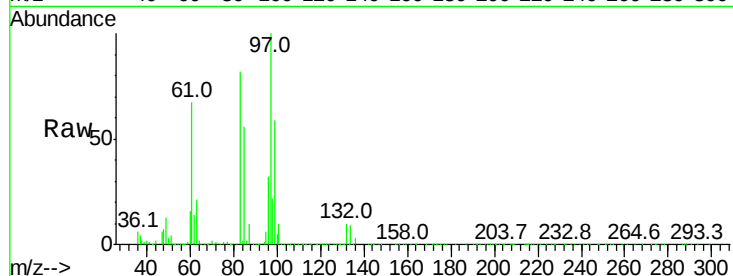
Ion Ratio Lower Upper

97 100

99 58.8 43.0 80.0

83 82.0 61.5 114.3

85 56.5 39.6 73.6

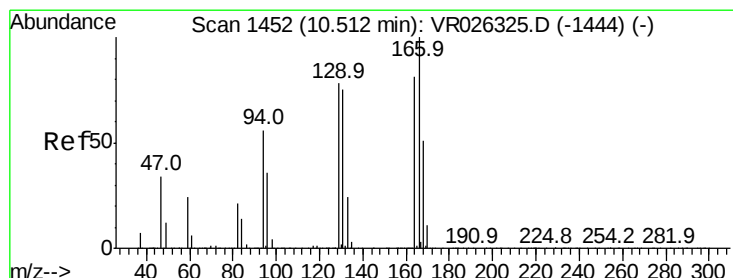
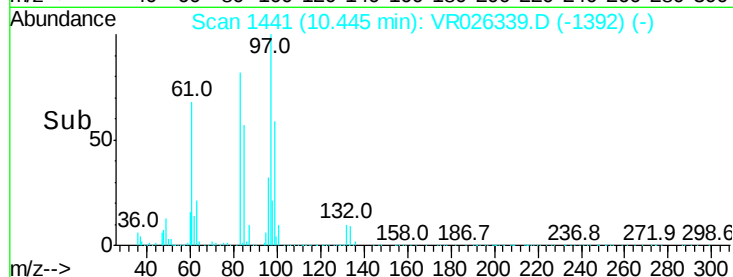
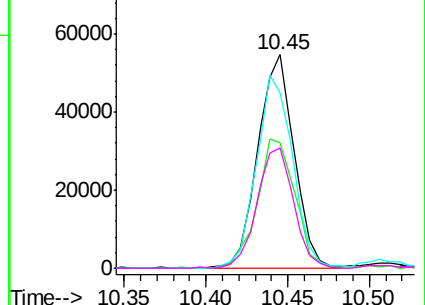


Abundance Ion 96.95 (96.65 to 97.65): VR0

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: 4.451 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

Tgt Ion: 164 Resp: 175796

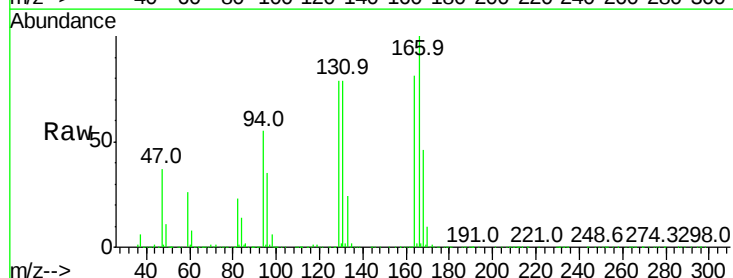
Ion Ratio Lower Upper

164 100

129 97.9 71.5 132.9

131 97.5 72.8 135.2

166 124.0 93.4 173.4

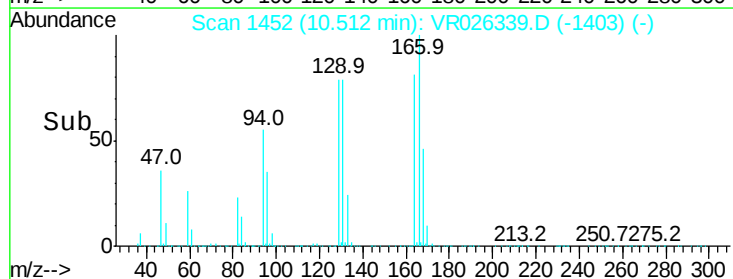
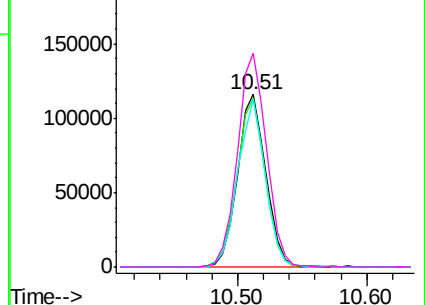


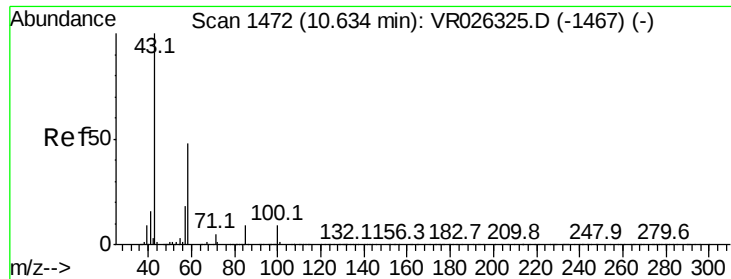
Abundance Ion 163.90 (163.60 to 164.60): V

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

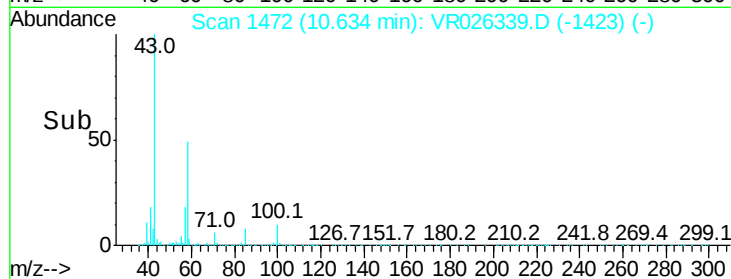
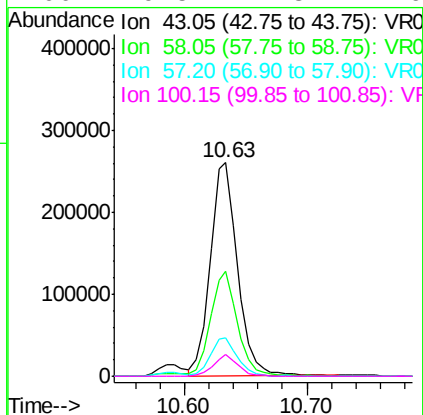
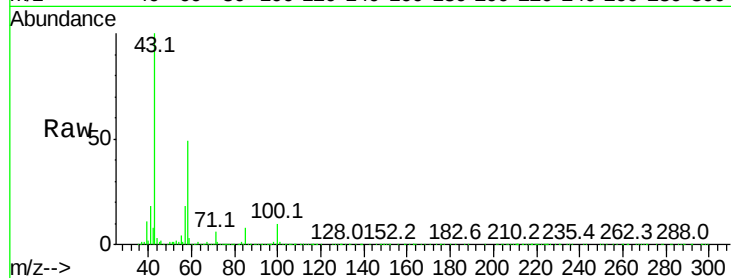




#48
2-Hexanone
Concen: 60.285 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026339.D
Acq: 19 Feb 2019 15:37

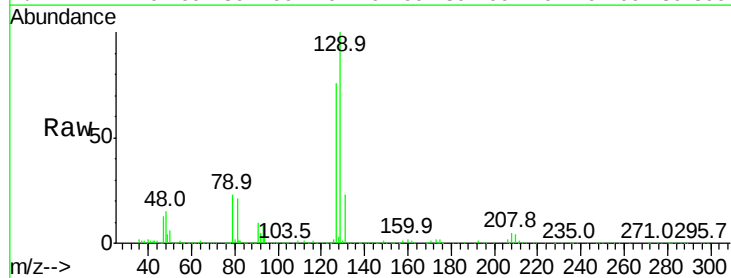
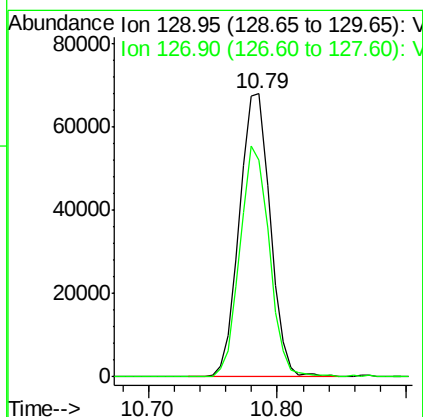
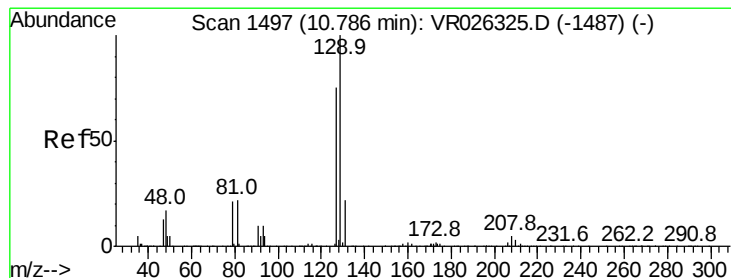
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

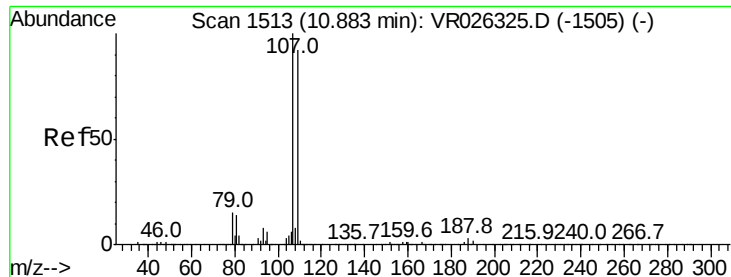
Tgt Ion:	43	Resp:	402780
Ion	Ratio	Lower	Upper
43	100		
58	48.9	41.2	61.8
57	17.7	13.8	20.8
100	9.5	7.8	11.6



#49
Dibromochloromethane
Concen: 4.871 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026339.D
Acq: 19 Feb 2019 15:37

Tgt Ion:	129	Resp:	112683
Ion	Ratio	Lower	Upper
129	100		
127	76.4	51.4	95.5





#50

1,2-Dibromoethane

Concen: 4.939 ug/L

RT: 10.89 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_R

ClientSampled :

VSTD00592

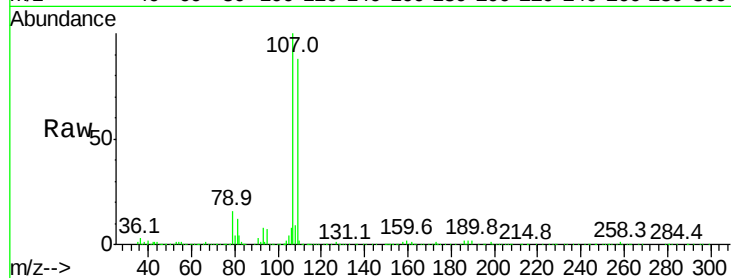
Tgt Ion:107 Resp: 70680

Ion Ratio Lower Upper

107 100

109 88.0 72.7 135.1

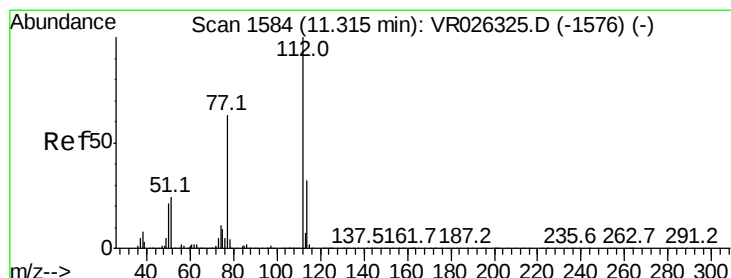
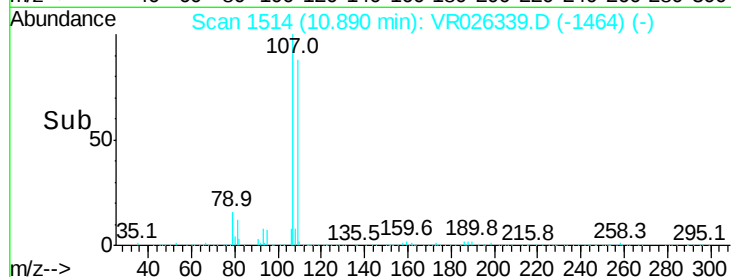
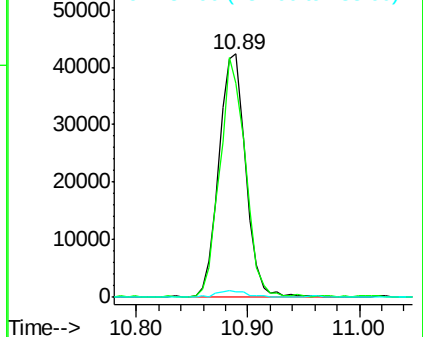
188 2.1 1.9 2.9



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.639 ug/L

RT: 11.31 min Scan# 1583

Delta R.T. -0.01 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

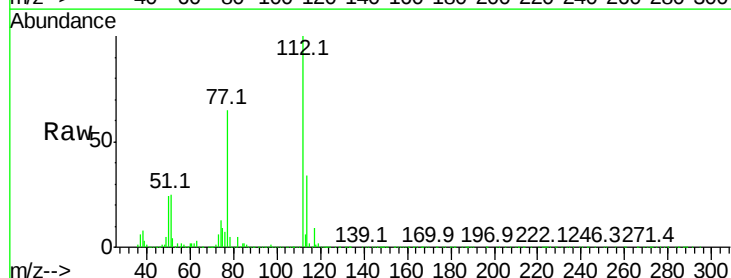
Tgt Ion:112 Resp: 544257

Ion Ratio Lower Upper

112 100

114 33.6 22.5 41.9

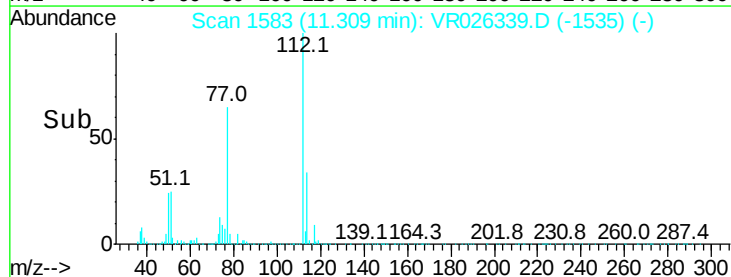
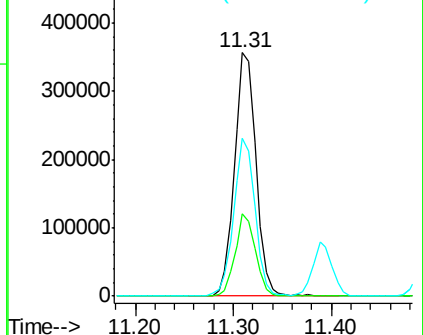
77 64.8 51.3 76.9

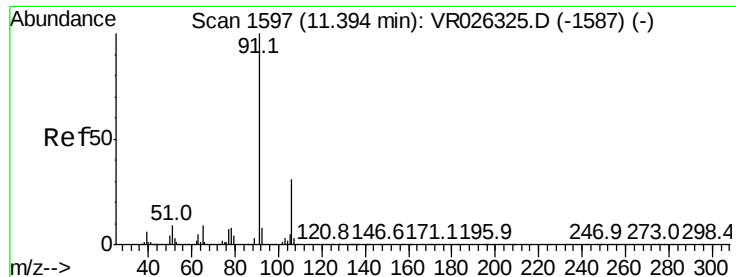


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR





#52

Ethylbenzene

Concen: 4.994 ug/L

RT: 11.39 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_R

ClientSampleId :

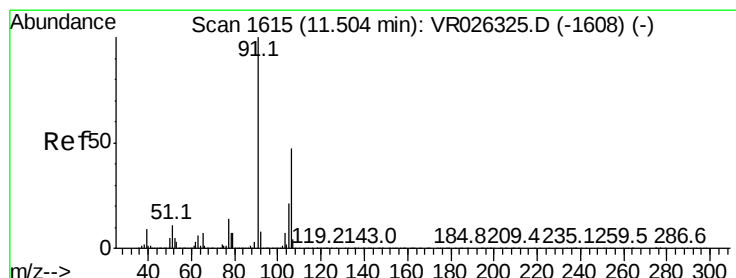
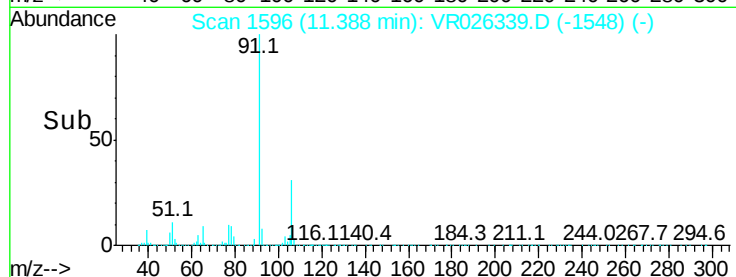
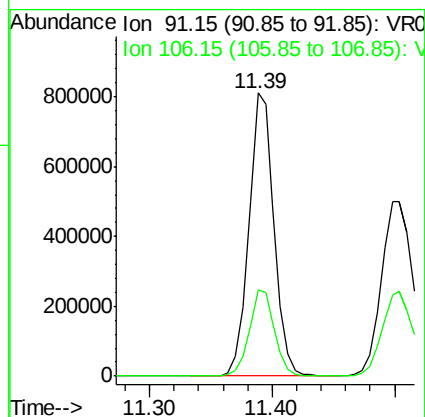
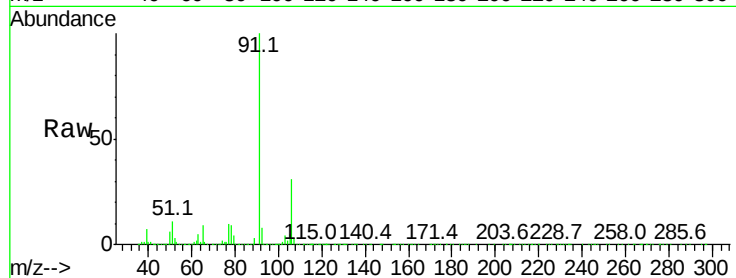
VSTD00592

Tgt Ion: 91 Resp: 1145669

Ion Ratio Lower Upper

91 100

106 30.7 22.3 41.3



#53

m,p-Xylene

Concen: 4.931 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026339.D

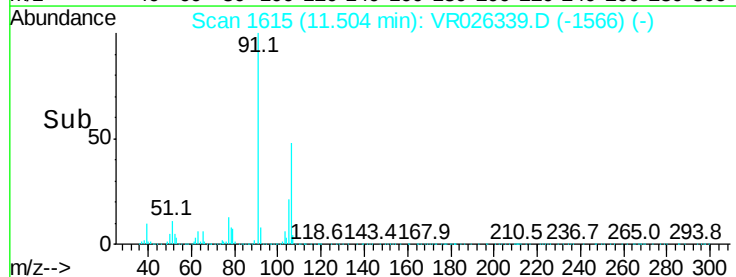
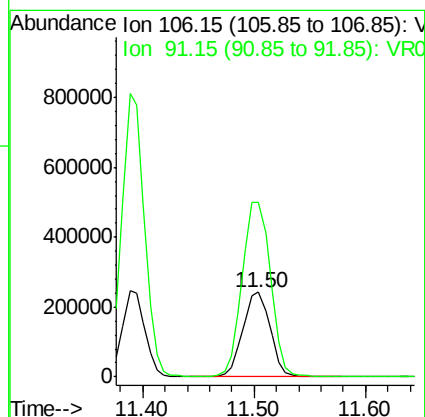
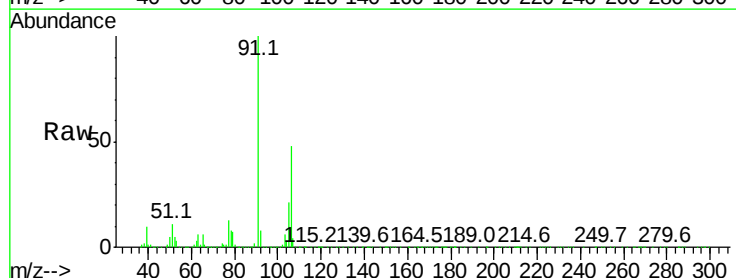
Acq: 19 Feb 2019 15:37

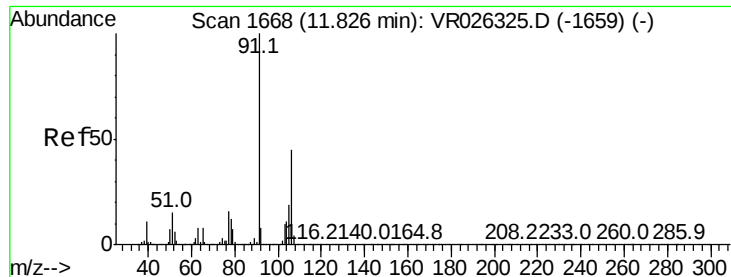
Tgt Ion: 106 Resp: 413328

Ion Ratio Lower Upper

106 100

91 206.8 148.2 275.2

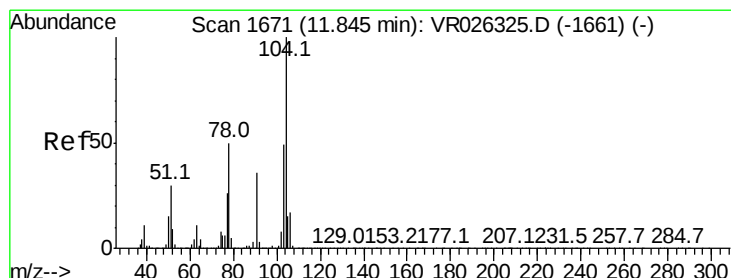
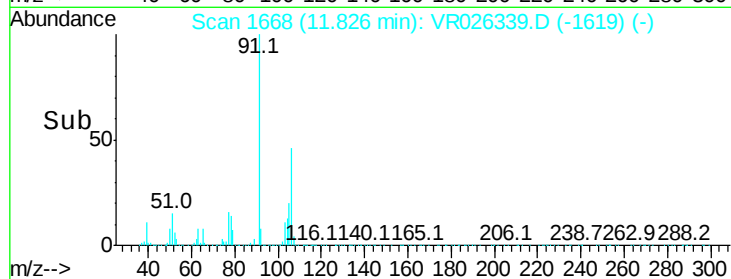
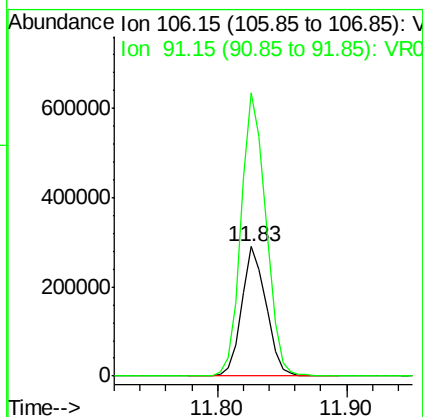
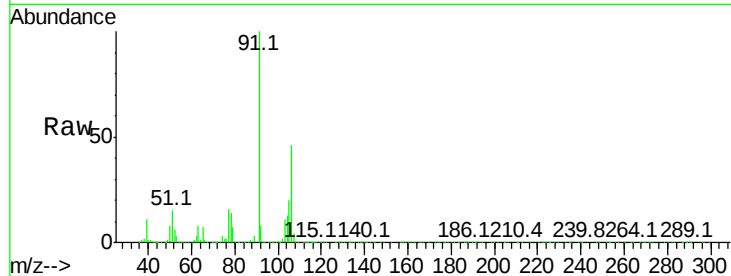




#54
o-Xylene
Concen: 5.246 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR026339.D
Acq: 19 Feb 2019 15:37

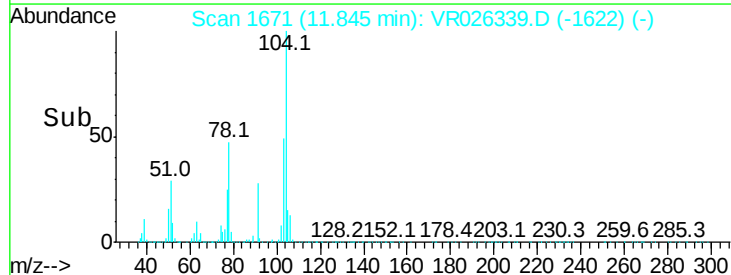
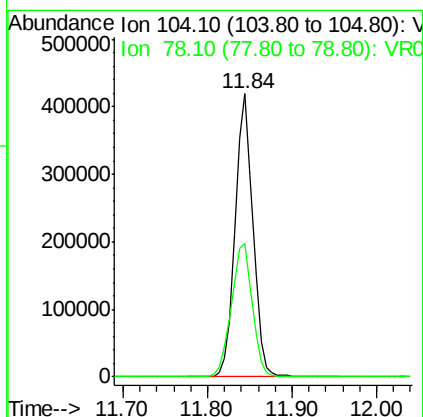
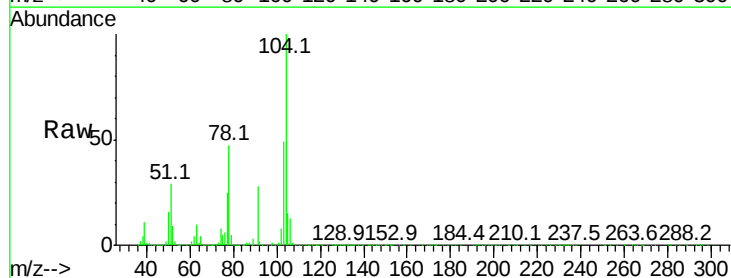
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

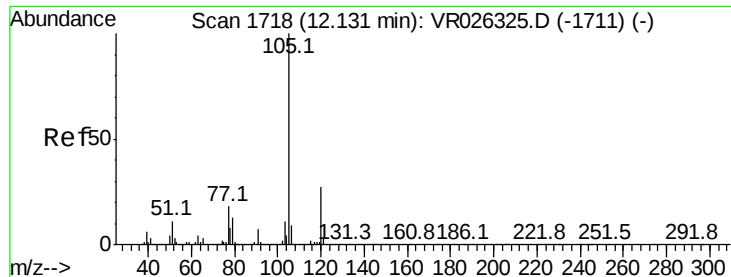
Tgt Ion:106 Resp: 379244
Ion Ratio Lower Upper
106 100
91 218.7 159.8 296.8



#55
Styrene
Concen: 5.272 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026339.D
Acq: 19 Feb 2019 15:37

Tgt Ion:104 Resp: 598706
Ion Ratio Lower Upper
104 100
78 47.3 34.5 64.1





#56

Isopropylbenzene

Concen: 5.289 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_R

ClientSampled :

VSTD00592

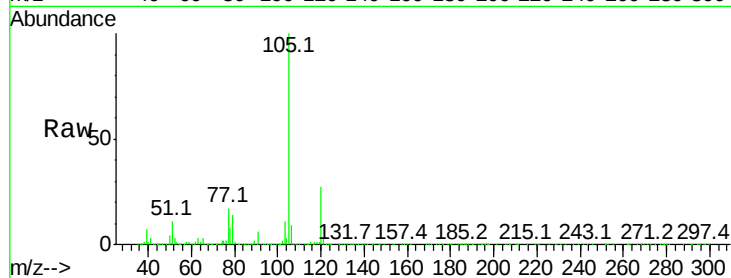
Tgt Ion:105 Resp: 1086944

Ion Ratio Lower Upper

105 100

120 26.0 21.1 31.7

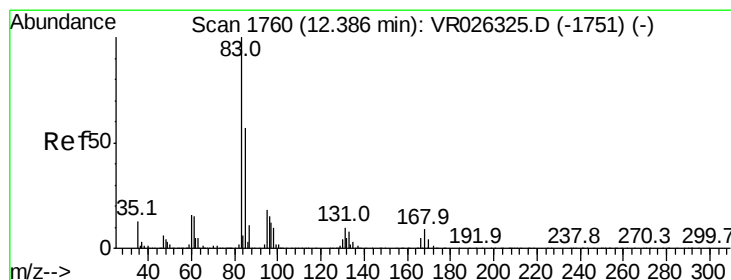
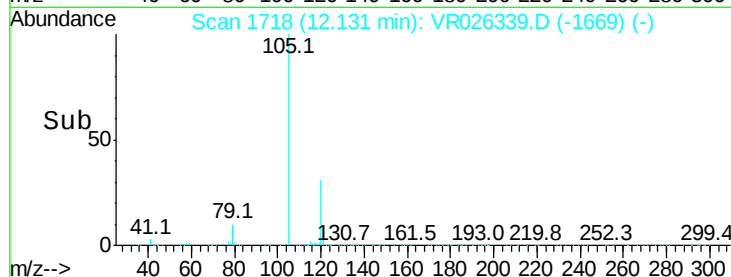
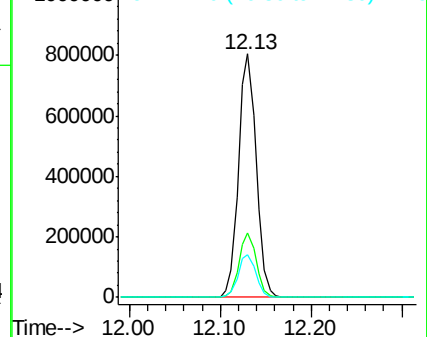
77 17.4 13.9 20.9



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: 4.987 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

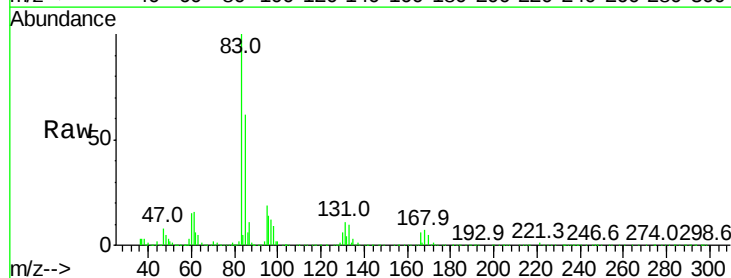
Tgt Ion: 83 Resp: 83147

Ion Ratio Lower Upper

83 100

85 62.2 46.2 85.8

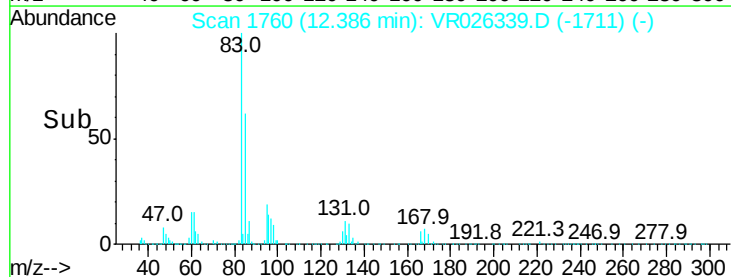
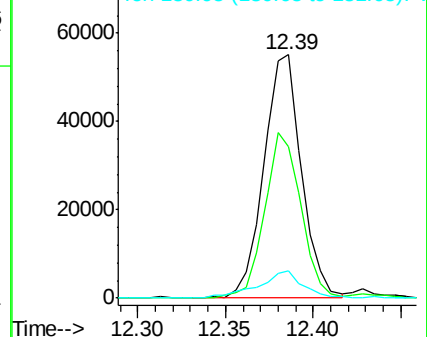
131 11.0 7.3 10.9#

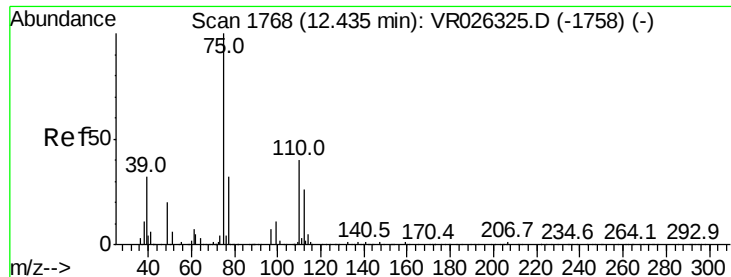


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.840 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_R

ClientSampleId :

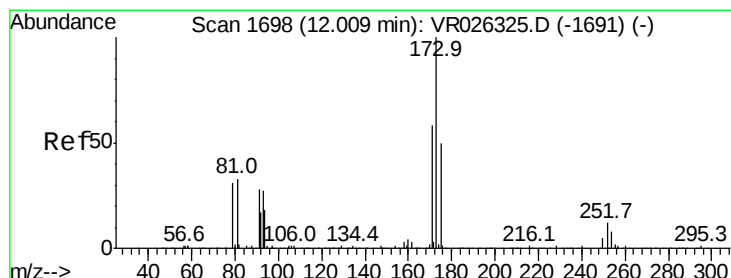
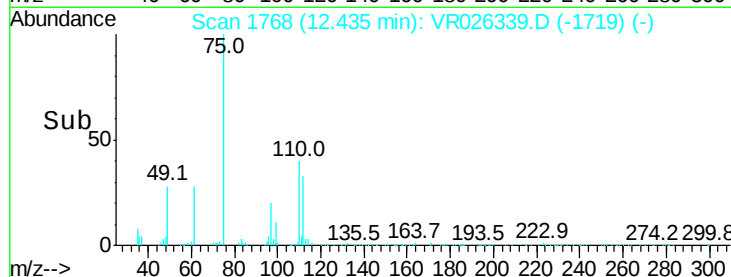
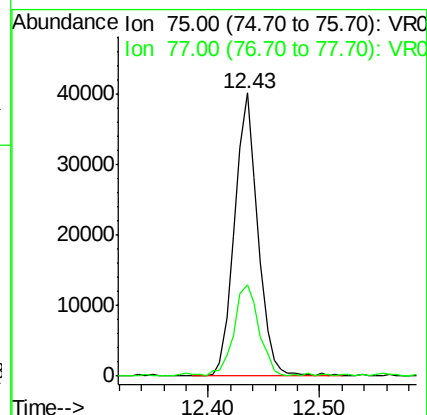
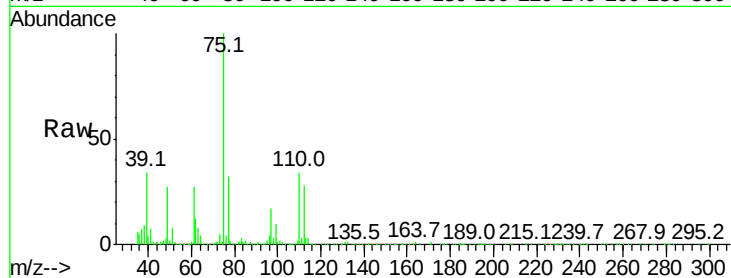
VSTD00592

Tgt Ion: 75 Resp: 58162

Ion Ratio Lower Upper

75 100

77 34.4 25.6 38.4



#61

Bromoform

Concen: 4.335 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

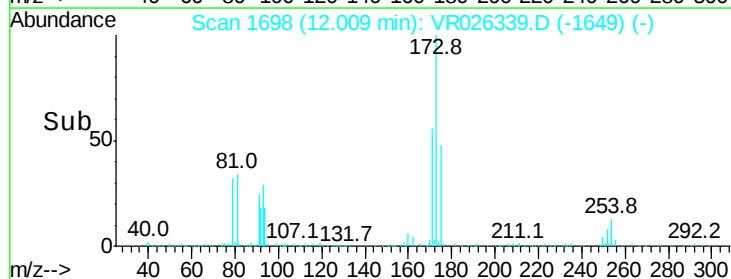
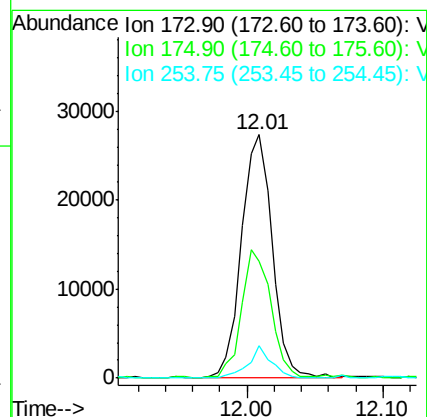
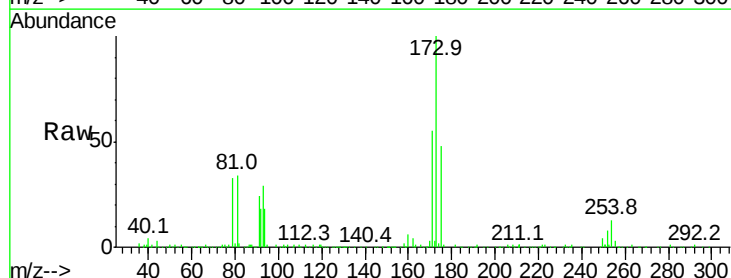
Tgt Ion: 173 Resp: 43342

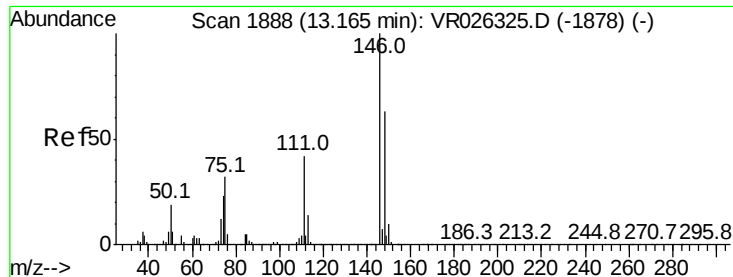
Ion Ratio Lower Upper

173 100

175 50.0 37.1 55.7

254 9.8 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 4.566 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

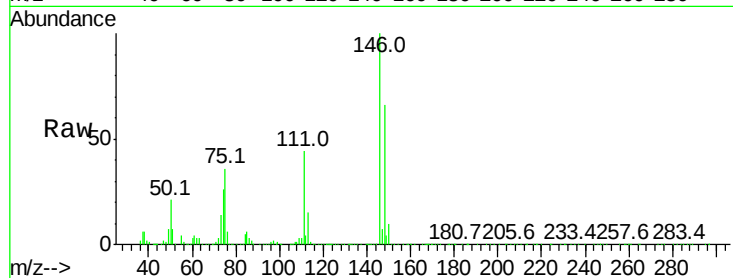
Tgt Ion:146 Resp: 302746

Ion Ratio Lower Upper

146 100

111 43.9 28.1 52.3

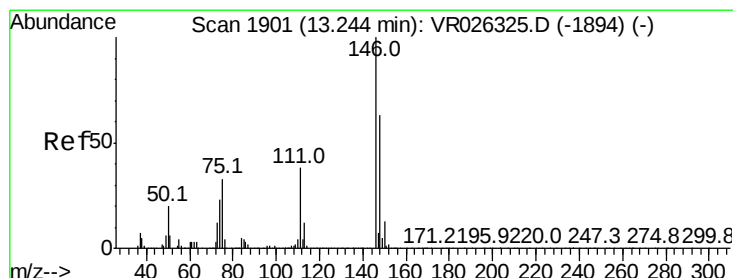
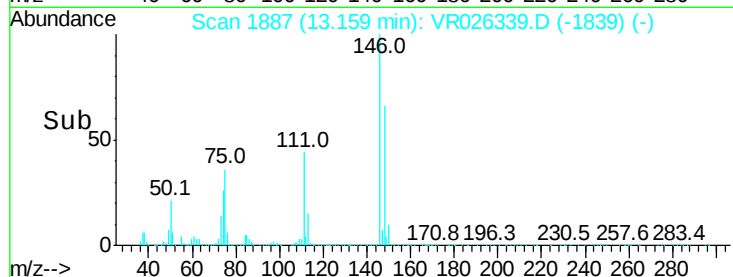
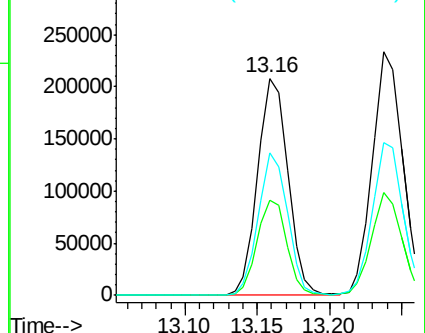
148 65.8 44.7 83.1



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: 4.472 ug/L

RT: 13.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

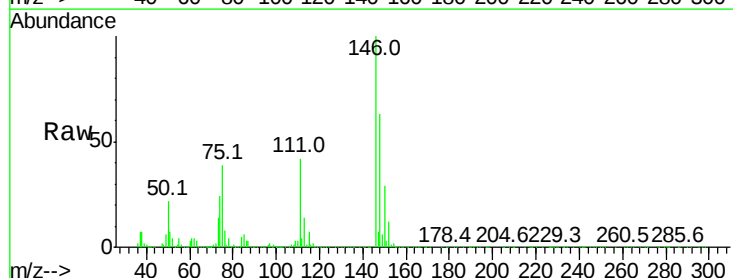
Tgt Ion:146 Resp: 338543

Ion Ratio Lower Upper

146 100

111 42.1 29.1 54.1

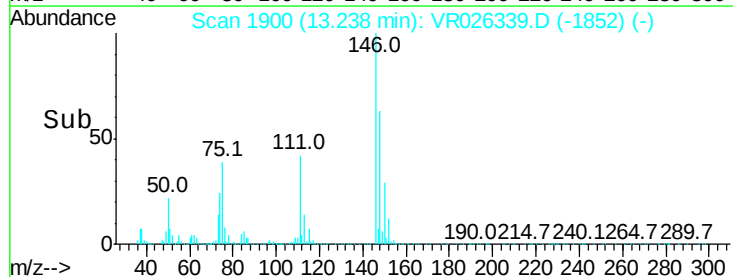
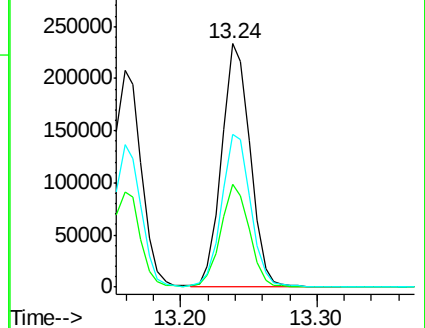
148 62.6 45.6 84.8

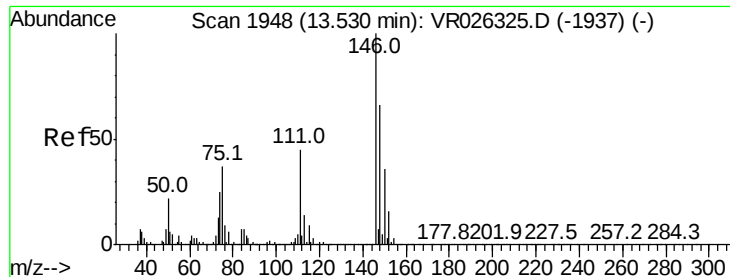


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

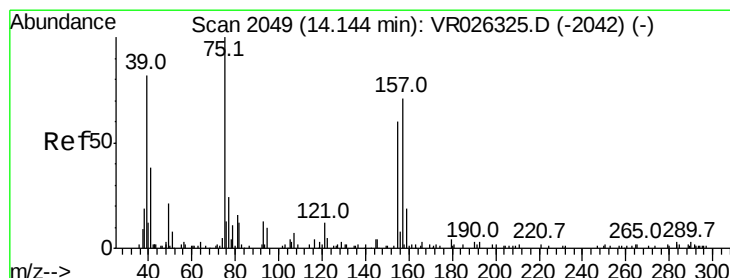
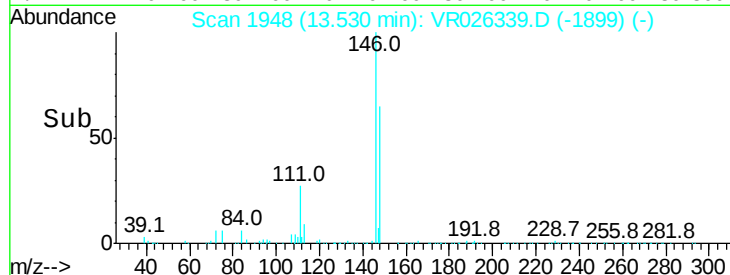
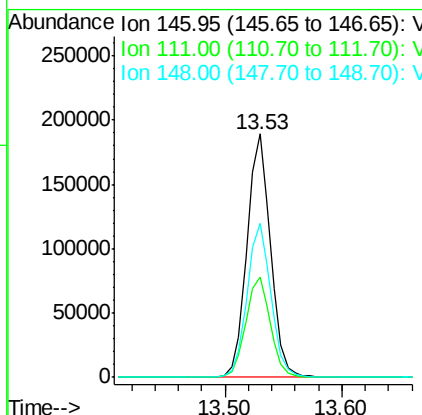
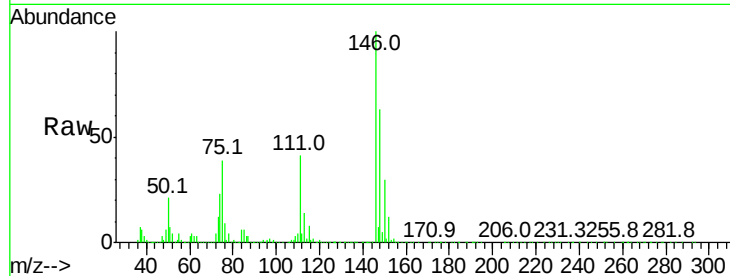




#65
 1,2-Dichlorobenzene
 Concen: 4.692 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026339.D
 Acq: 19 Feb 2019 15:37

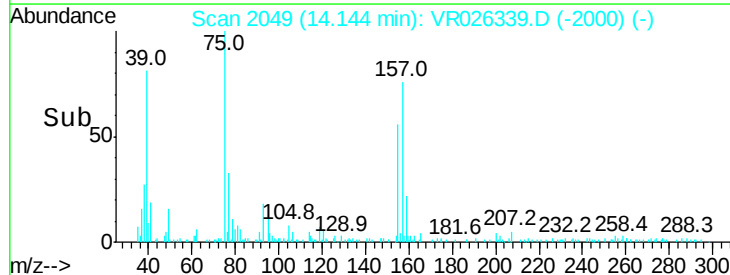
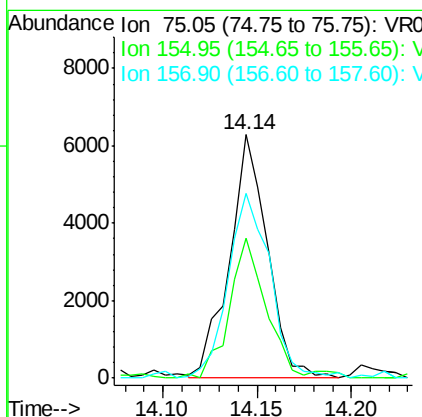
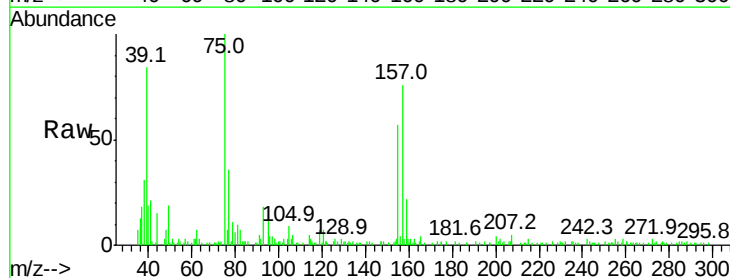
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

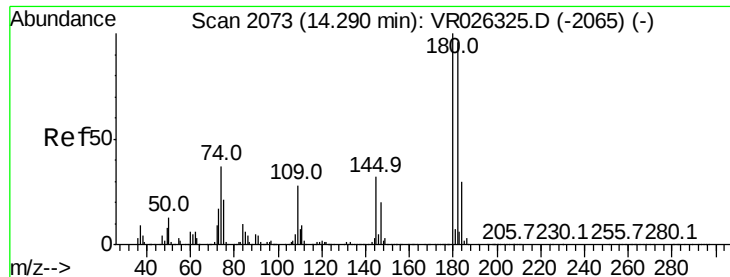
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	33.6	50.4
148	63.0	49.4	74.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.285 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VR026339.D
 Acq: 19 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	57.3	38.0	57.0#
157	76.1	70.4	105.6

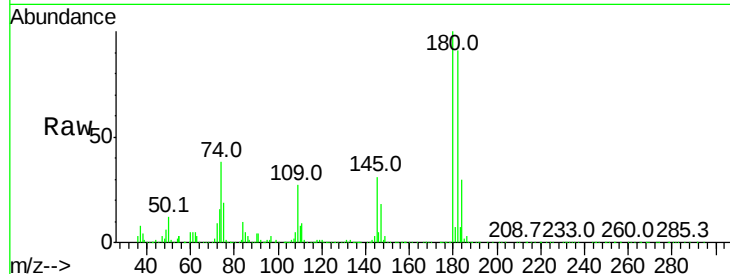




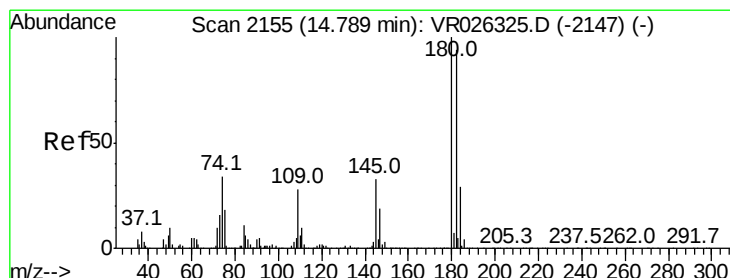
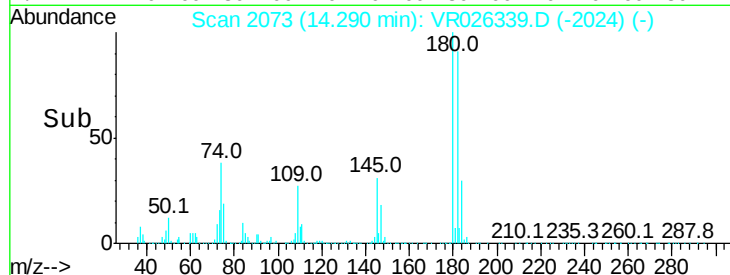
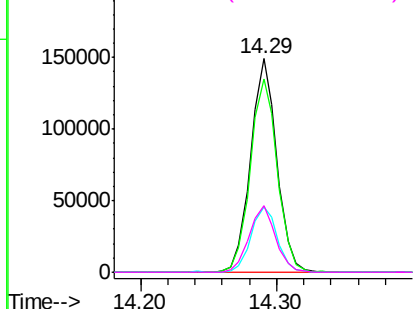
#67
 1,3,5-Trichlorobenzene
 Concen: 4.718 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026339.D
 Acq: 19 Feb 2019 15:37

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

Tgt Ion:	180	Resp:	200504
Ion Ratio	Lower	Upper	
180	100		
182	93.7	76.0	114.0
184	30.8	23.3	34.9
145	31.4	26.6	39.8

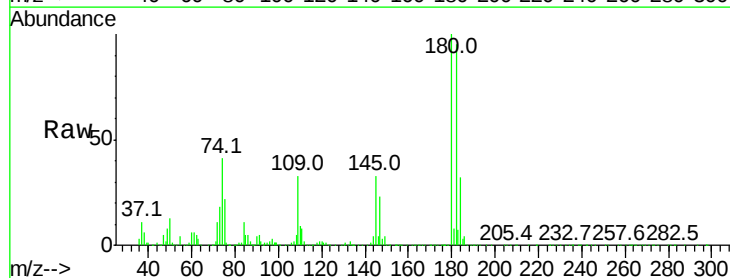


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

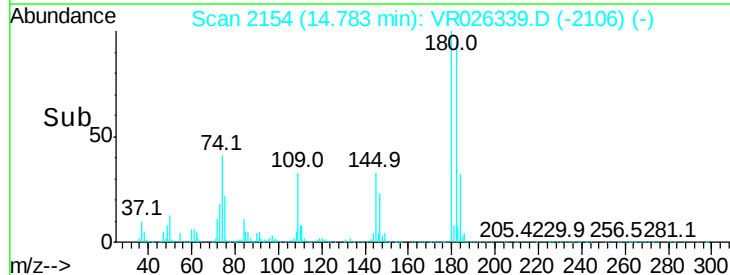
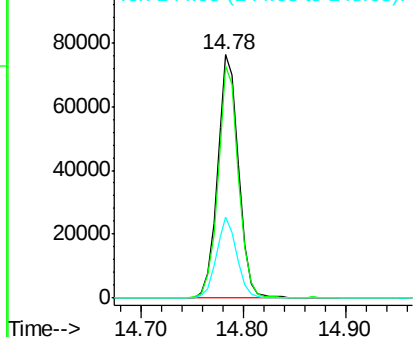


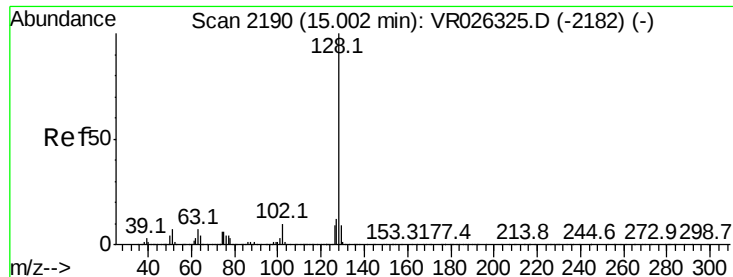
#68
 1,2,4-trichlorobenzene
 Concen: 4.778 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR026339.D
 Acq: 19 Feb 2019 15:37

Tgt Ion:	180	Resp:	109588
Ion Ratio	Lower	Upper	
180	100		
182	92.9	78.7	118.1
145	32.4	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: 5.076 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

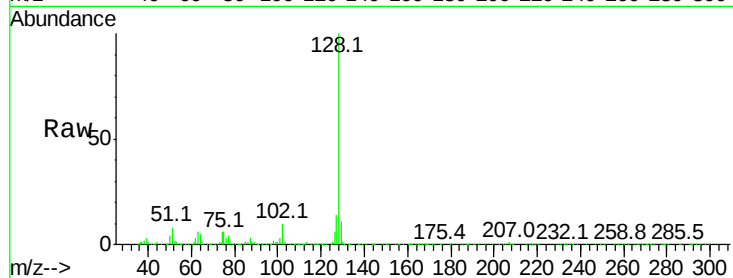
Tgt Ion:128 Resp: 104475

Ion Ratio Lower Upper

128 100

127 13.6 11.7 17.5

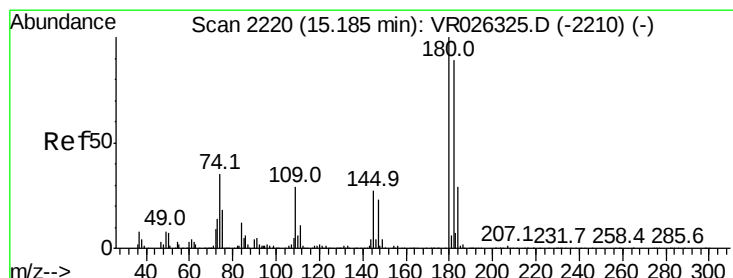
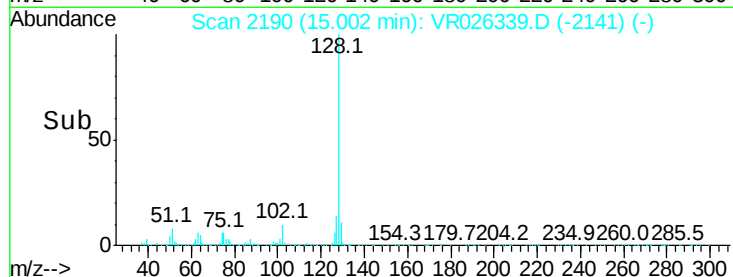
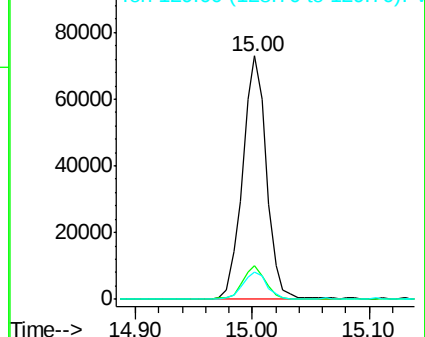
129 11.6 9.6 14.4



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: 4.984 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.01 min

Lab File: VR026339.D

Acq: 19 Feb 2019 15:37

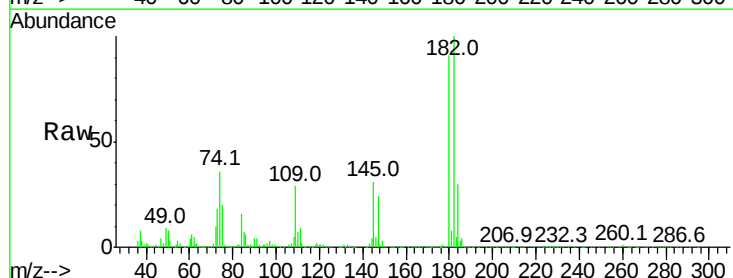
Tgt Ion:180 Resp: 82512

Ion Ratio Lower Upper

180 100

182 96.2 74.6 112.0

145 34.6 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

