

Data File : VR026076.D
Acq On : 15 Oct 2018 16:24
Operator : SY/MD
Sample : VSTD00186
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00186

Quant Time: Oct 15 16:55:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 15 15:02:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	631131	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	516006	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	177497	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	54760	1.10	ug/L	0.00
7) Chloroethane-d5	2.63	69	47267	1.16	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	138679	1.19	ug/L	0.00
20) 2-Butanone-d5	6.60	46	42190	7.60	ug/L	0.00
24) Chloroform-d	7.20	84	83256	0.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	33551	0.90	ug/L	0.00
32) Benzene-d6	7.86	84	159309	0.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	40868	0.88	ug/L	0.00
41) Toluene-d8	9.97	98	138123	0.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	10690	1.02	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	25532	6.37	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	15589	0.83	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	25208	0.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	49658	1.294 ug/L	98
3) Chloromethane	2.01	50	74936	1.374 ug/L	98
5) Vinyl chloride	2.17	62	75368	1.388 ug/L	100
6) Bromomethane	2.53	94	48182	1.421 ug/L	94
8) Chloroethane	2.66	64	46577	1.508 ug/L	98
9) Trichlorofluoromethane	2.93	101	34182	0.453 ug/L #	12
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	68189	1.480 ug/L #	84
12) 1,1-Dichloroethene	3.63	96	68319	1.434 ug/L	82
13) Acetone	3.70	43	52268	12.997 ug/L	98
14) Carbon disulfide	3.93	76	165077	1.431 ug/L	95
15) Methyl Acetate	4.19	43	13703	1.229 ug/L #	68
16) Methylene chloride	4.40	84	65157	1.487 ug/L	98
17) Methyl tert-butyl Ether	4.89	73	55108	1.045 ug/L #	94
18) trans-1,2-Dichloroethene	4.88	96	46714	1.186 ug/L	87
19) 1,1-Dichloroethane	5.69	63	92903	1.191 ug/L	95
21) 2-Butanone	6.69	43	55867	10.100 ug/L	94
22) cis-1,2-Dichloroethene	6.68	96	44546	1.124 ug/L #	89
23) Bromochloromethane	7.05	128	13465	1.252 ug/L	90
25) Chloroform	7.23	83	87820	1.156 ug/L	98
27) 1,2-Dichloroethane	7.99	62	43657	1.152 ug/L #	96
29) 1,1,1-Trichloroethane	7.43	97	72233	1.245 ug/L	94
30) Cyclohexane	7.52	56	71056	0.980 ug/L	94
31) Carbon tetrachloride	7.64	117	67078	1.335 ug/L	95
33) Benzene	7.91	78	201069	1.162 ug/L	100
34) Trichloroethene	8.71	95	52929	1.161 ug/L	94
35) Methylcyclohexane	8.95	83	77105	1.124 ug/L	95
37) 1,2-Dichloropropane	8.99	63	44297	1.193 ug/L #	96
38) Bromodichloromethane	9.28	83	43261	1.080 ug/L	92
39) cis-1,3-Dichloropropene	9.72	75	44152	1.061 ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	122814	9.407 ug/L	98

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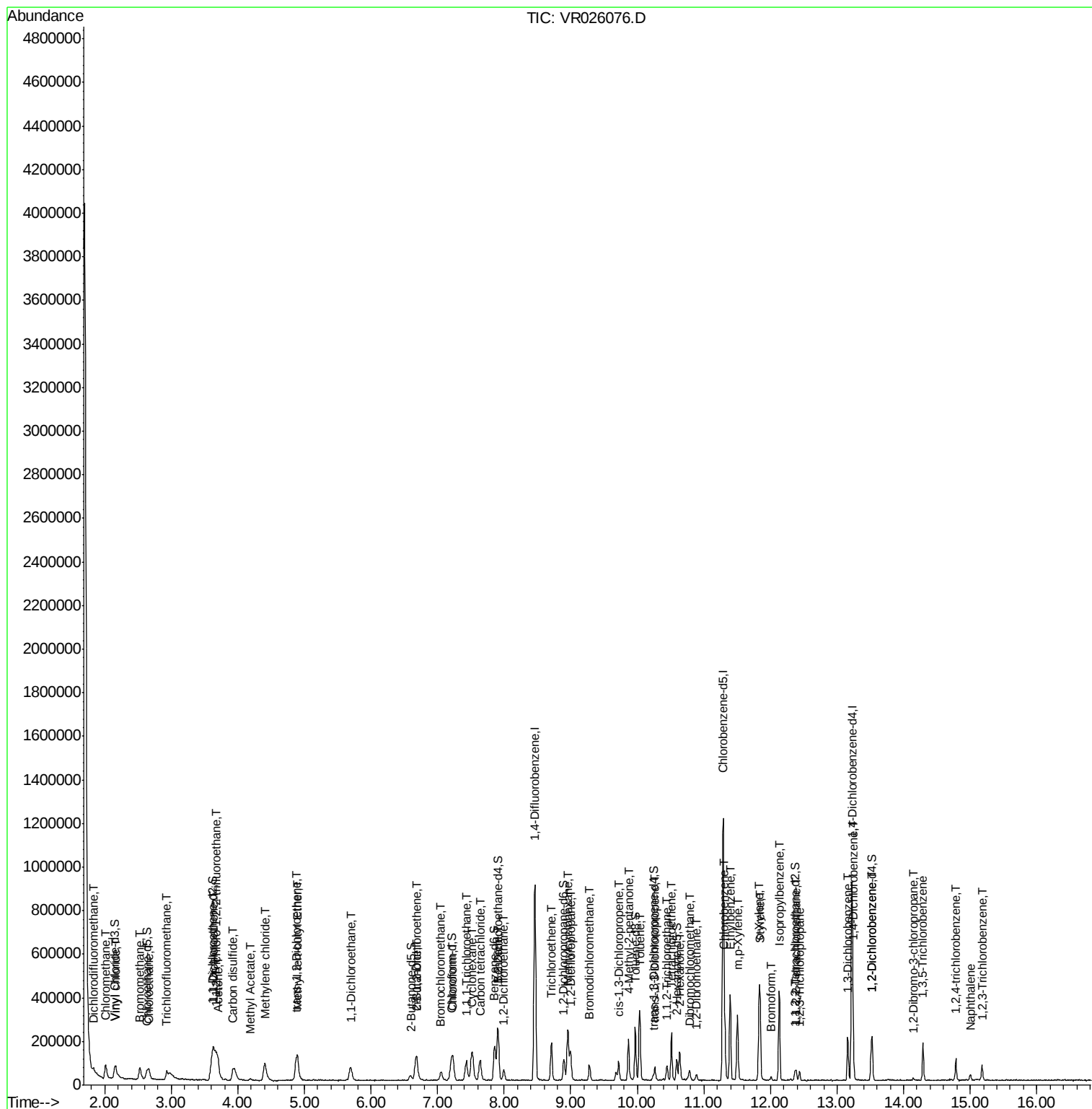
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	207508	1.154	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	29249	1.076	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	16954	1.009	ug/L	84
47) Tetrachloroethene	10.51	164	36836	1.311	ug/L	92
48) 2-Hexanone	10.63	43	80970	9.472	ug/L	94
49) Dibromochloromethane	10.79	129	17900	1.050	ug/L	96
50) 1,2-Dibromoethane	10.89	107	15178	1.145	ug/L #	92
51) Chlorobenzene	11.32	112	117436	1.231	ug/L	98
52) Ethylbenzene	11.39	91	243607	1.187	ug/L	98
53) m,p-Xylene	11.50	106	82490	1.129	ug/L	94
54) o-Xylene	11.83	106	72773	1.070	ug/L	99
55) Styrene	11.84	104	111914	1.057	ug/L	90
56) Isopropylbenzene	12.13	105	218277	1.163	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	17982	1.111	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	14043	1.166	ug/L	96
61) Bromoform	12.01	173	5837	1.088	ug/L #	84
62) 1,3-Dichlorobenzene	13.16	146	62394	1.203	ug/L	91
63) 1,4-Dichlorobenzene	13.24	146	67715	1.276	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	48754	1.170	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	2629	1.500	ug/L	90
67) 1,3,5-Trichlorobenzene	14.29	180	39679	1.284	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	22876	1.161	ug/L	98
69) Naphthalene	15.00	128	18247	0.726	ug/L	95
70) 1,2,3-Trichlorobenzene	15.18	180	16236	1.188	ug/L	97

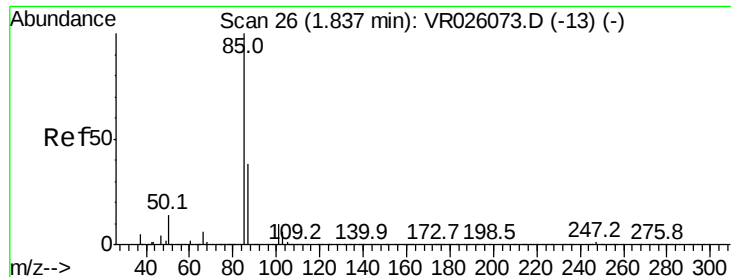
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.294 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampleId :

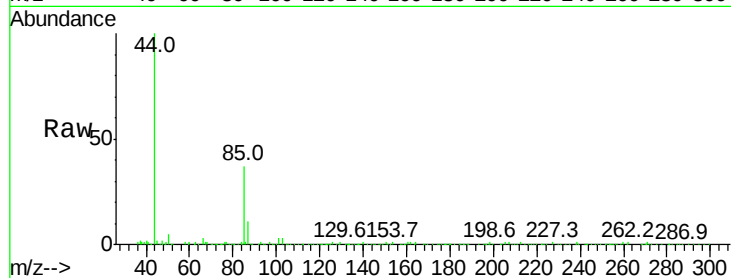
VSTD00186

Tgt Ion: 85 Resp: 49658

Ion Ratio Lower Upper

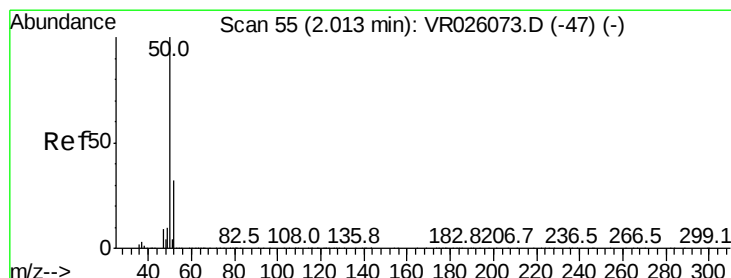
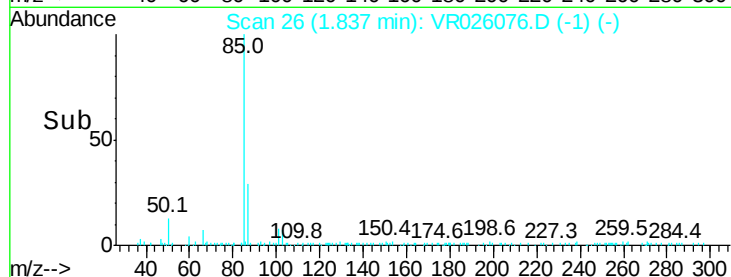
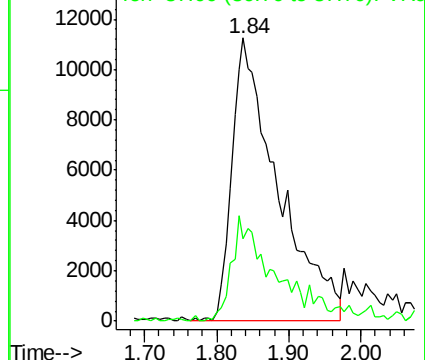
85 100

87 30.6 23.4 35.2



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 1.374 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR026076.D

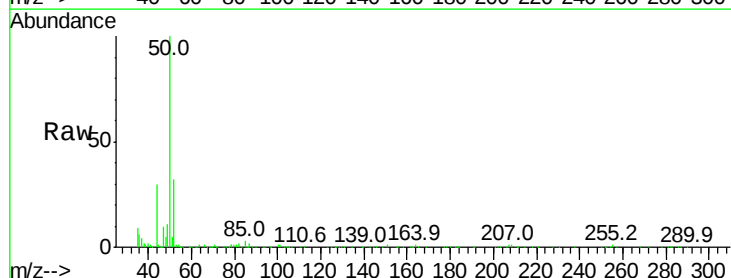
Acq: 15 Oct 2018 16:24

Tgt Ion: 50 Resp: 74936

Ion Ratio Lower Upper

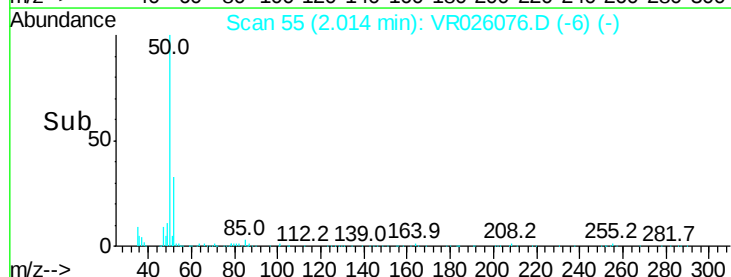
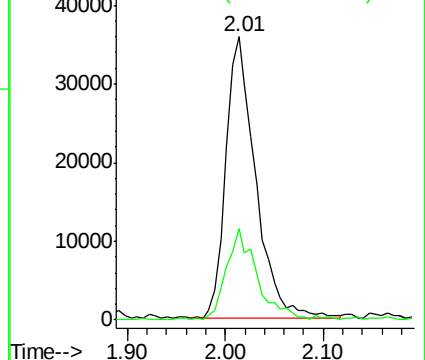
50 100

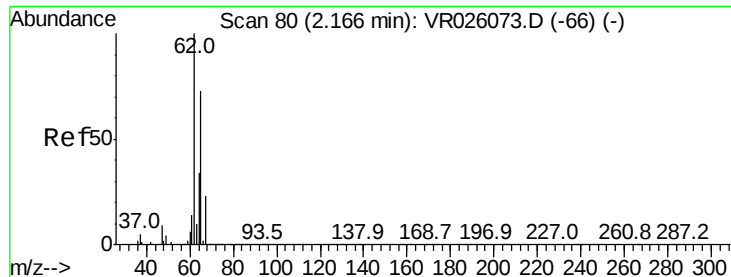
52 32.4 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 1.388 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampleId :

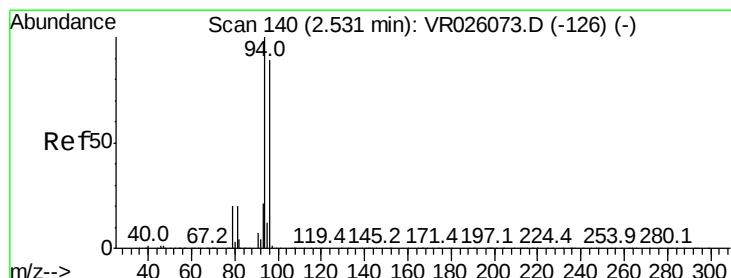
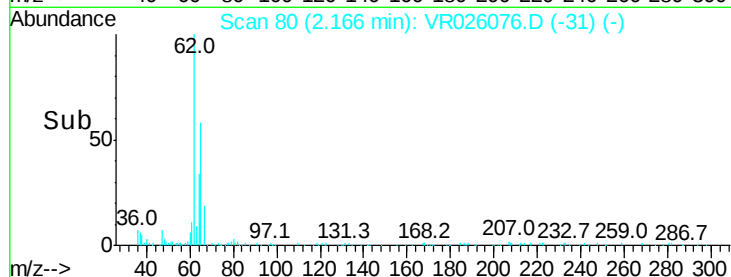
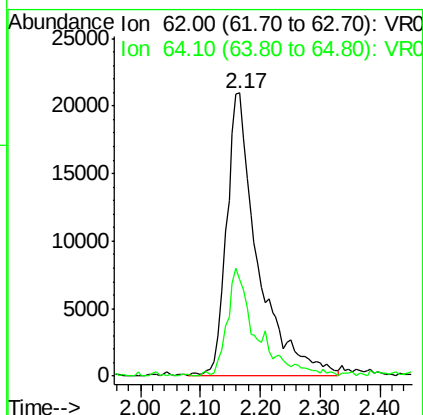
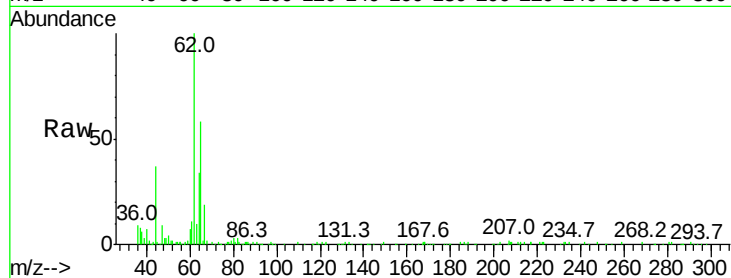
VSTD00186

Tgt Ion: 62 Resp: 75368

Ion Ratio Lower Upper

62 100

64 34.2 23.9 44.3



#6

Bromomethane

Concen: 1.421 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.00 min

Lab File: VR026076.D

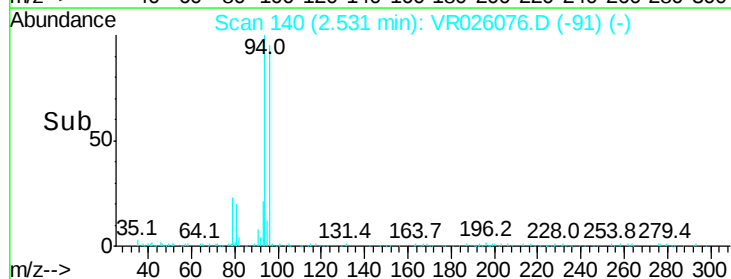
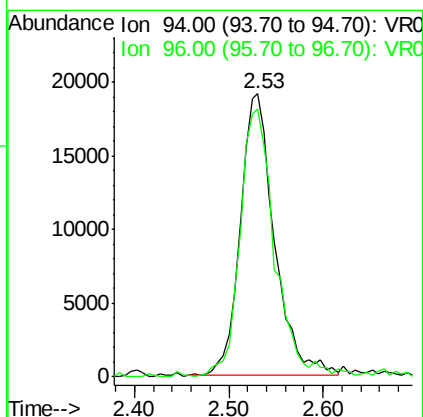
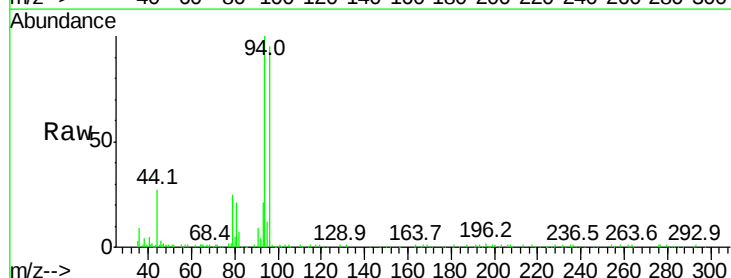
Acq: 15 Oct 2018 16:24

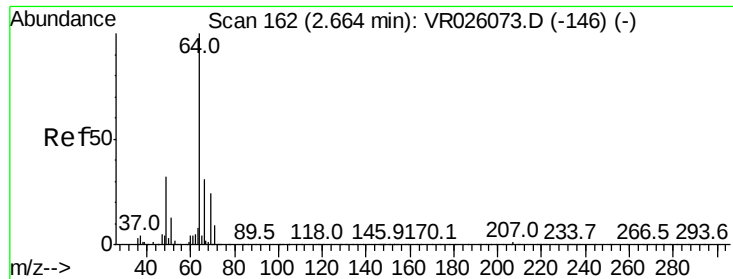
Tgt Ion: 94 Resp: 48182

Ion Ratio Lower Upper

94 100

96 94.5 62.5 116.1

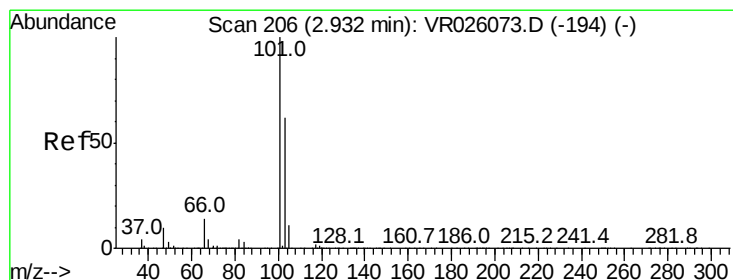
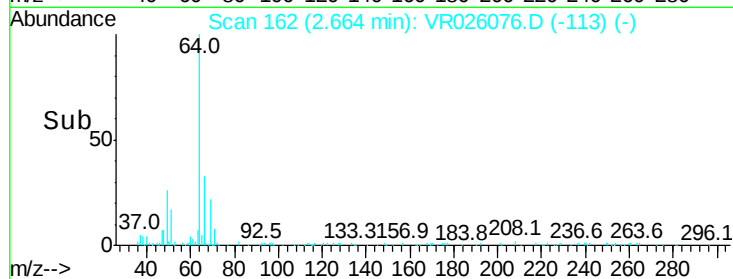
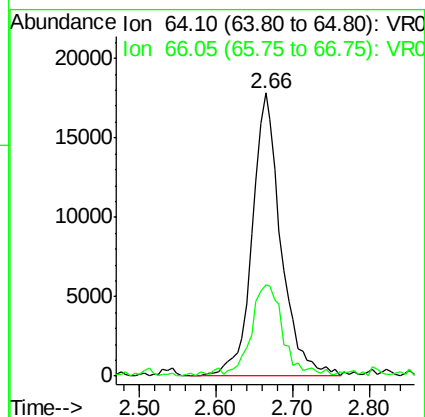
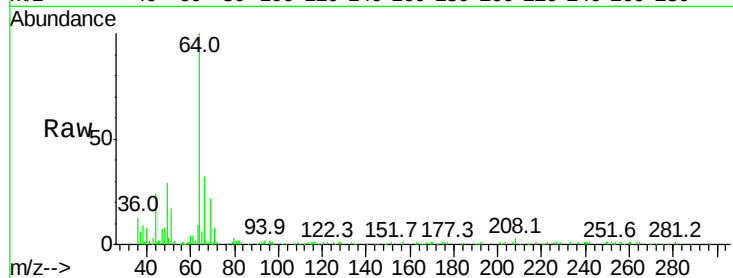




#8
Chloroethane
Concen: 1.508 ug/L
RT: 2.66 min Scan# 162
Delta R.T. 0.00 min
Lab File: VR026076.D
Acq: 15 Oct 2018 16:24

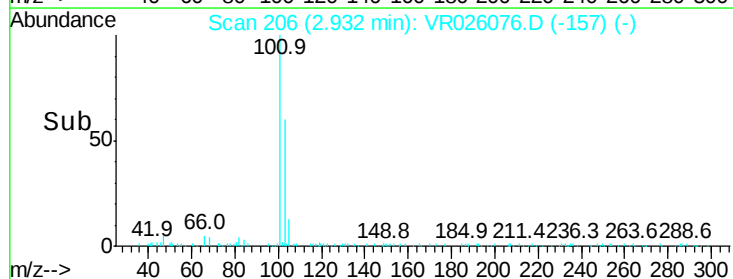
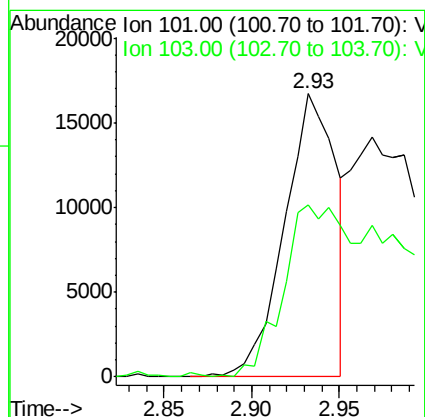
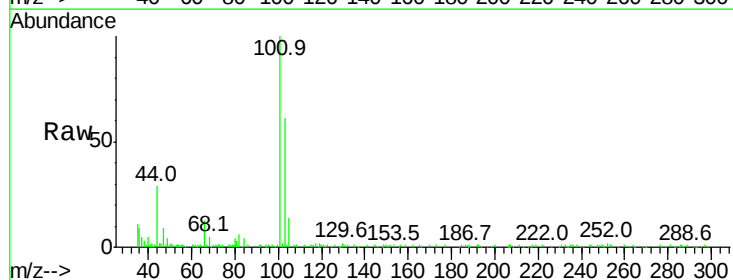
Instrument :
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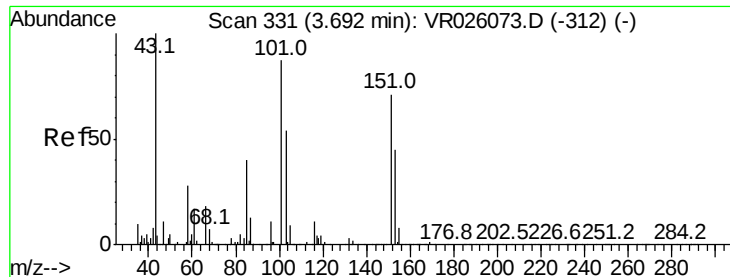
Tgt Ion: 64 Resp: 46577
Ion Ratio Lower Upper
64 100
66 32.3 22.0 40.8



#9
Trichlorofluoromethane
Concen: 0.453 ug/L
RT: 2.93 min Scan# 206
Delta R.T. 0.00 min
Lab File: VR026076.D
Acq: 15 Oct 2018 16:24

Tgt Ion: 101 Resp: 34182
Ion Ratio Lower Upper
101 100
103 81.7 26.0 39.0#





#10

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

Concen: 1.480 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.01 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampleId :

VSTD00186

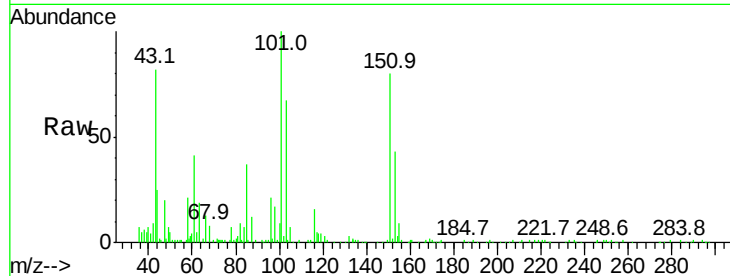
Tgt Ion:101 Resp: 68189

Ion Ratio Lower Upper

101 100

85 26.1 37.8 56.8#

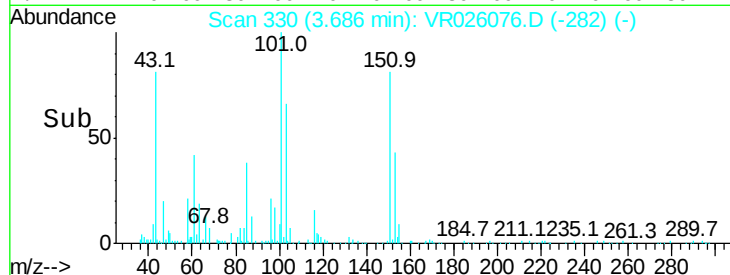
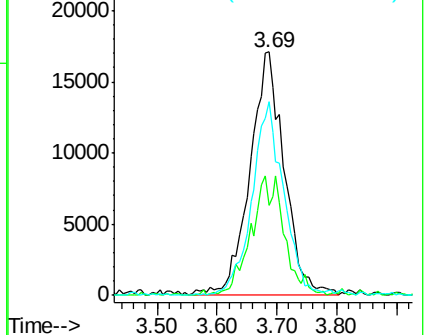
151 73.2 63.2 94.8



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: 1.434 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

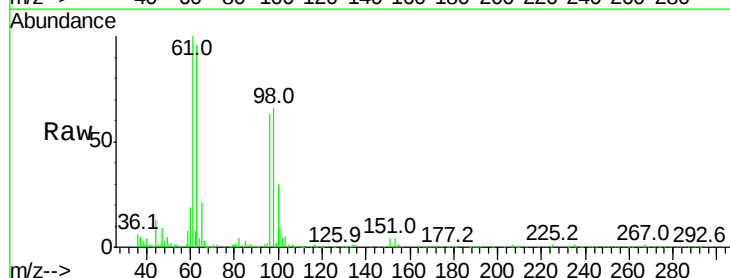
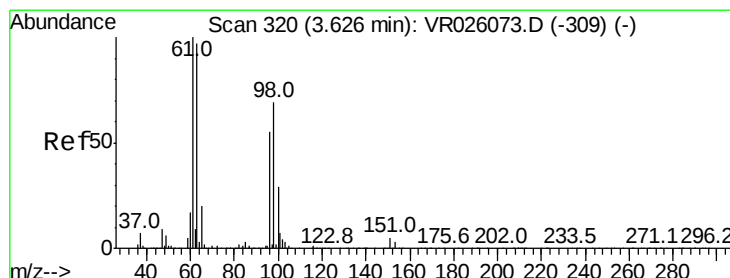
Tgt Ion: 96 Resp: 68319

Ion Ratio Lower Upper

96 100

61 157.8 126.7 235.3

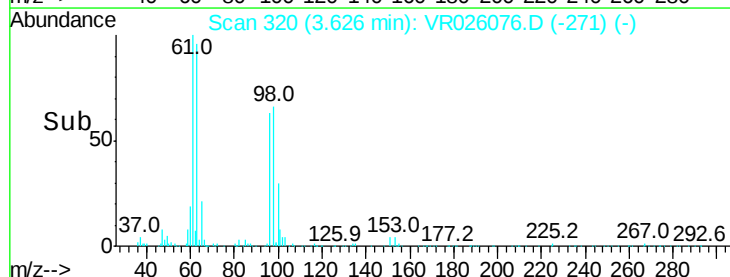
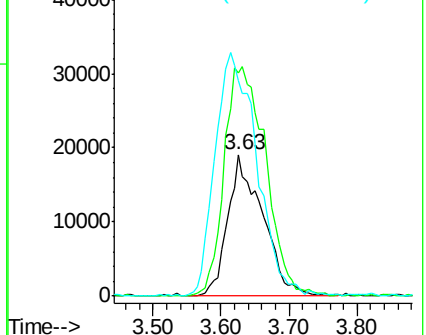
63 152.1 125.0 232.2

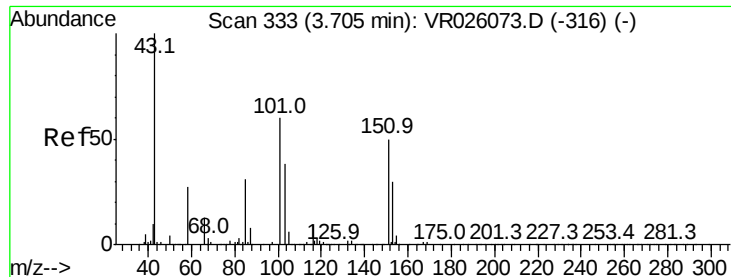


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 12.997 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.00 min

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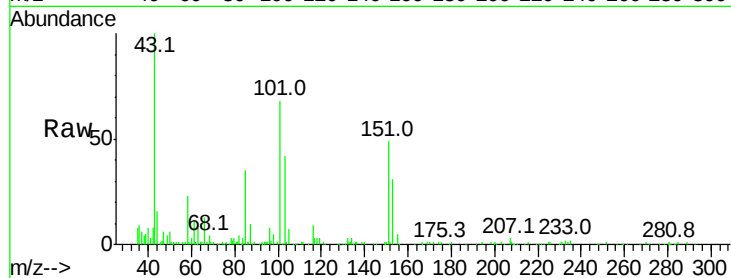
VSTD00186

Tgt Ion: 43 Resp: 52268

Ion Ratio Lower Upper

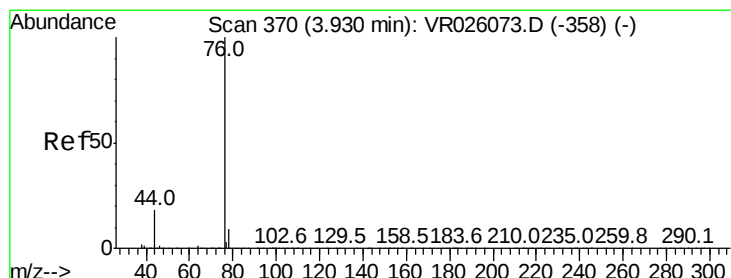
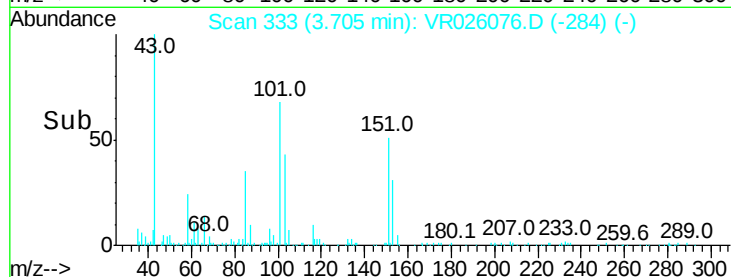
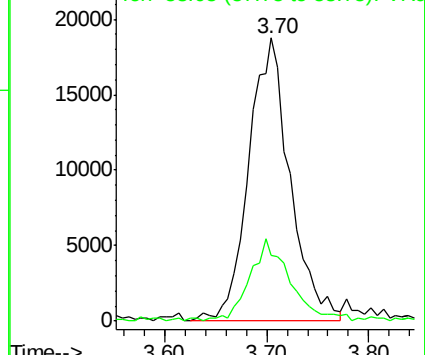
43 100

58 28.8 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 1.431 ug/L

RT: 3.93 min Scan# 370

Delta R.T. 0.00 min

Lab File: VR026076.D

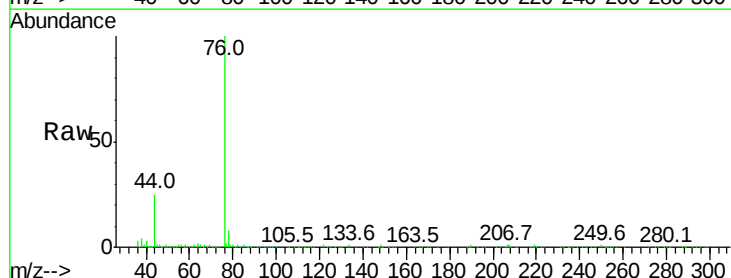
Acq: 15 Oct 2018 16:24

Tgt Ion: 76 Resp: 165077

Ion Ratio Lower Upper

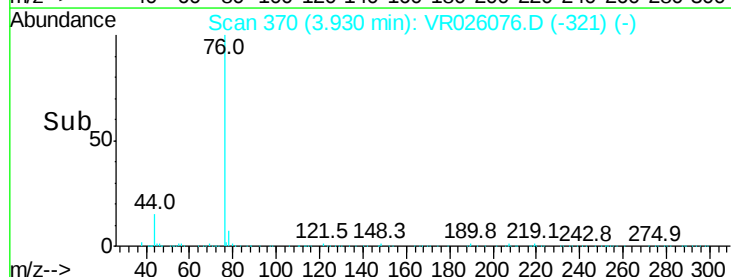
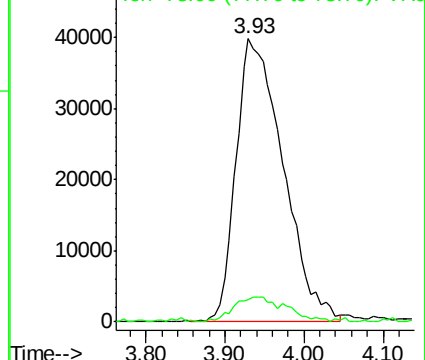
76 100

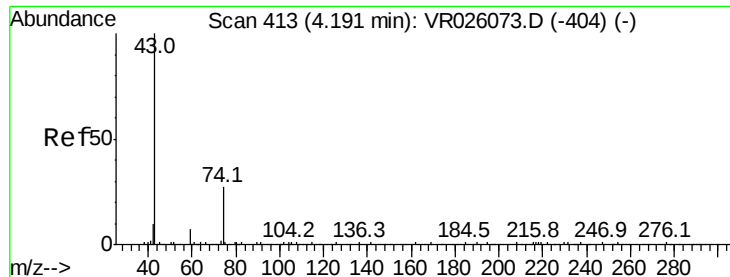
78 7.7 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0





#15

Methyl Acetate

Concen: 1.229 ug/L

RT: 4.19 min Scan# 412

Delta R.T. -0.01 min

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Acq: 15 Oct 2018 16:24

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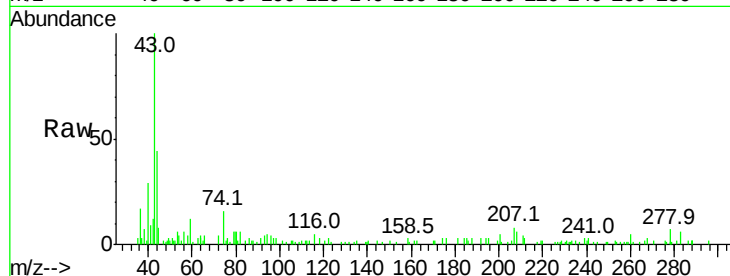
VSTD00186

Tgt Ion: 43 Resp: 13703

Ion Ratio Lower Upper

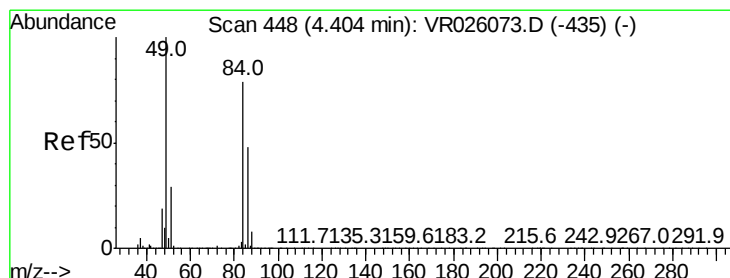
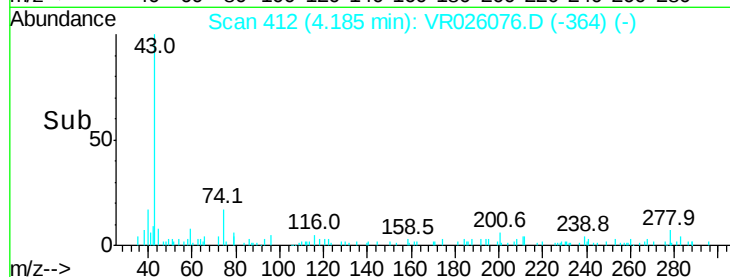
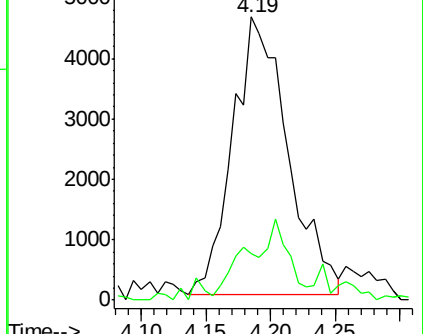
43 100

74 8.7 19.8 29.8#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 1.487 ug/L

RT: 4.40 min Scan# 448

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

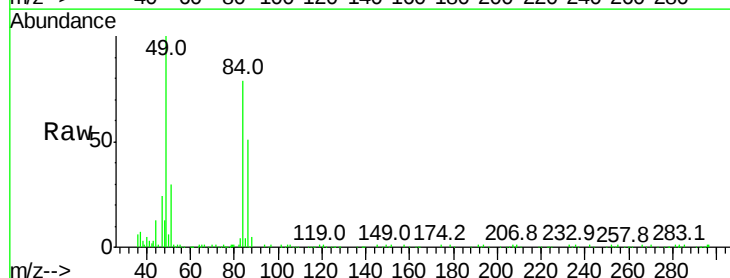
Tgt Ion: 84 Resp: 65157

Ion Ratio Lower Upper

84 100

86 65.4 43.0 79.8

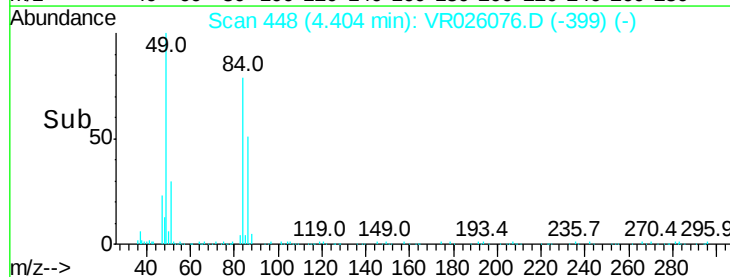
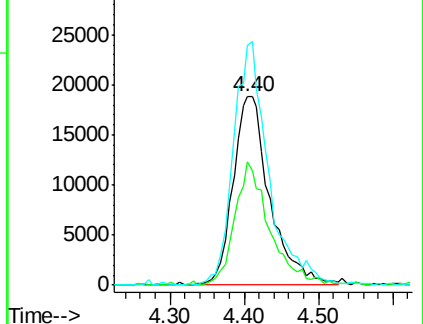
49 127.3 89.1 165.5

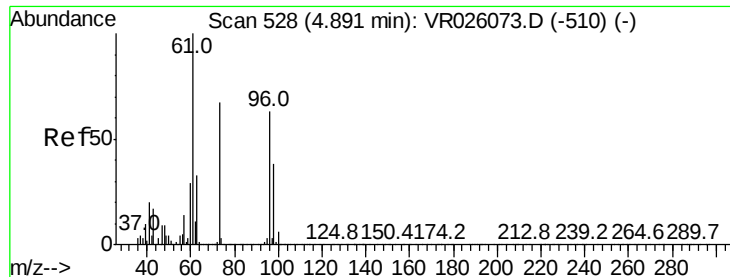


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0



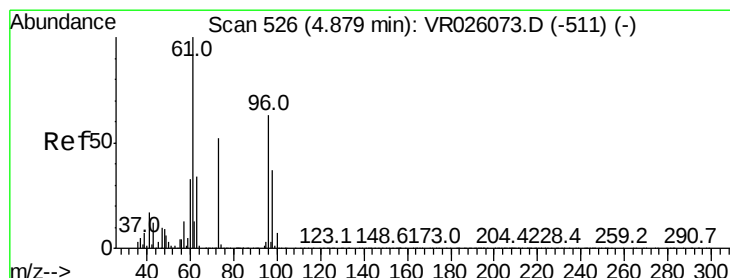
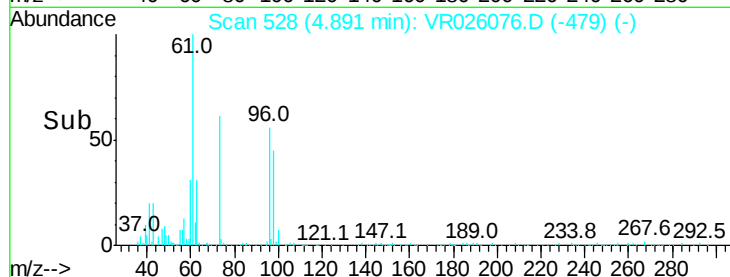
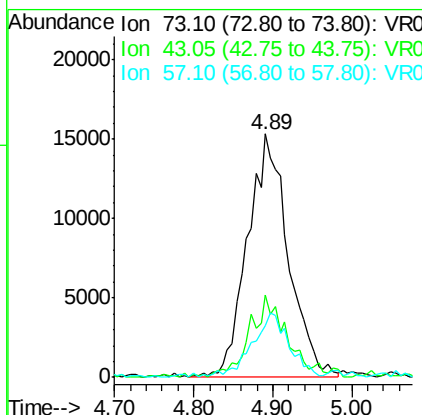
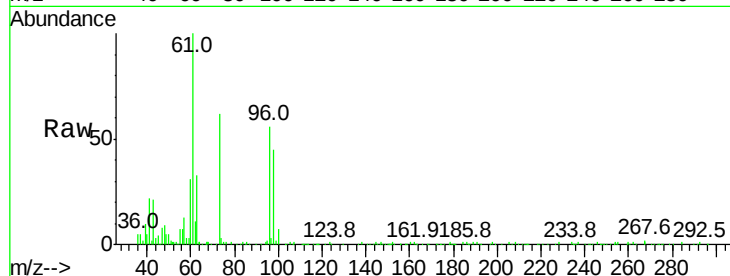


#17

Methyl tert-butyl Ether
 Concen: 1.045 ug/L
 RT: 4.89 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VR026076.D
 Acq: 15 Oct 2018 16:24

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00186

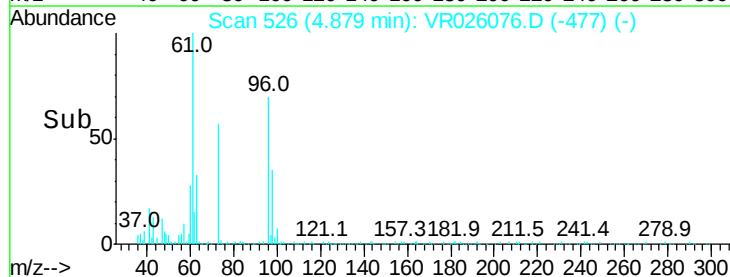
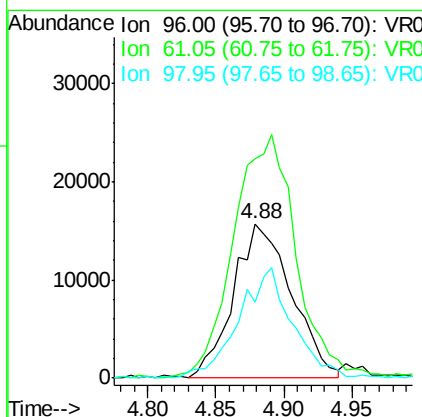
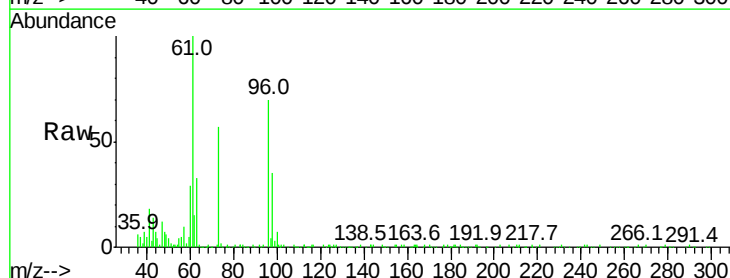
Tgt Ion	Ratio	Lower	Upper
73	100		
43	30.6	20.1	30.1#
57	24.3	19.0	28.4

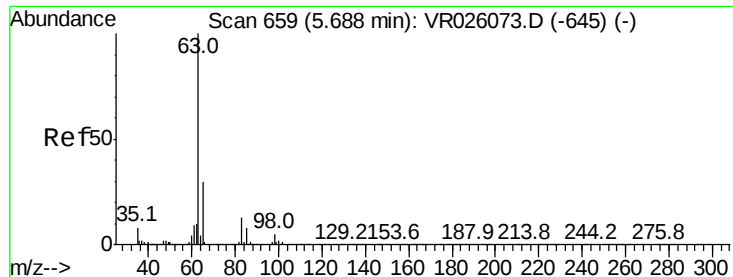


#18

trans-1,2-Dichloroethene
 Concen: 1.186 ug/L
 RT: 4.88 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VR026076.D
 Acq: 15 Oct 2018 16:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.0	111.4	206.8
98	49.0	41.4	77.0





#19

1,1-Dichloroethane

Concen: 1.191 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.01 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampleId :

VSTD00186

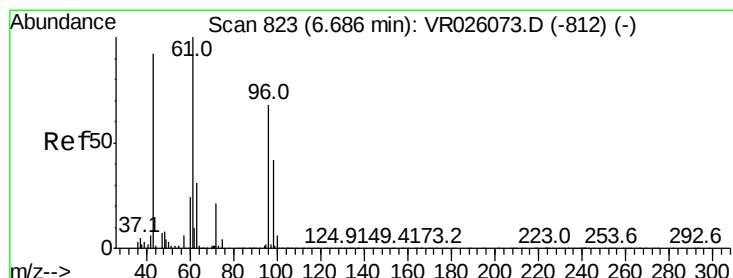
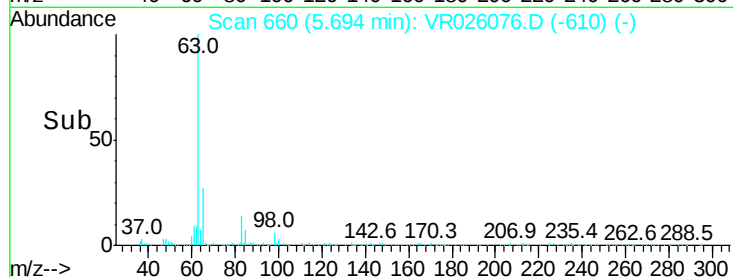
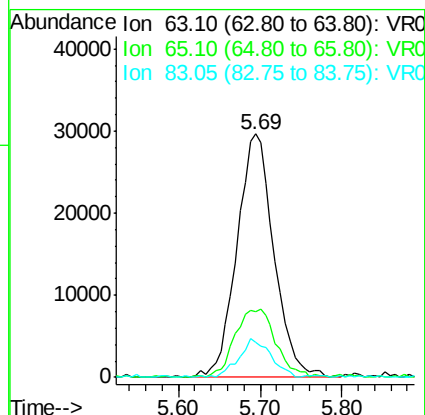
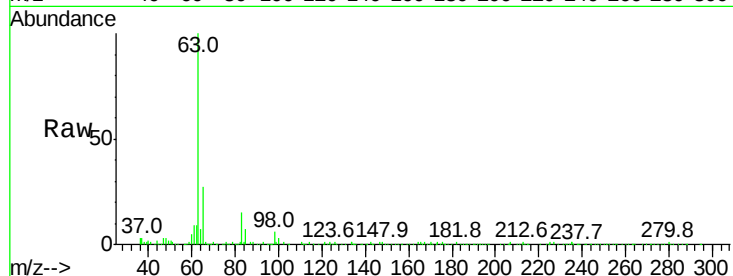
Tgt Ion: 63 Resp: 92903

Ion Ratio Lower Upper

63 100

65 27.0 21.2 39.4

83 14.6 9.2 17.2



#21

2-Butanone

Concen: 10.100 ug/L

RT: 6.69 min Scan# 824

Delta R.T. 0.01 min

Lab File: VR026076.D

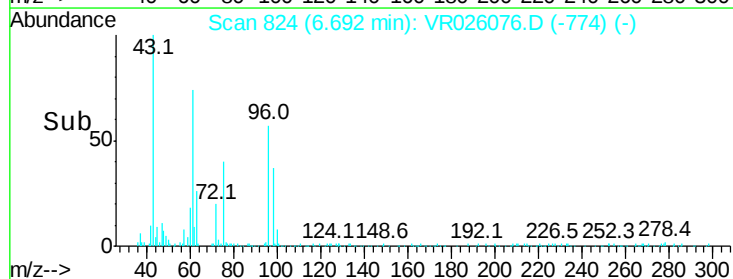
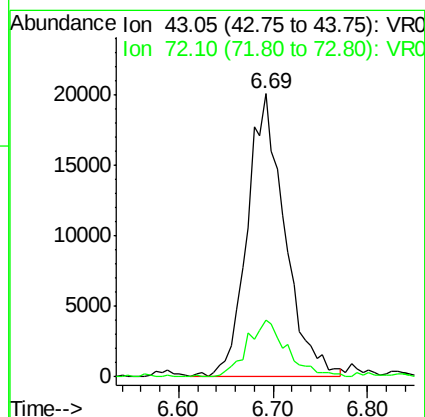
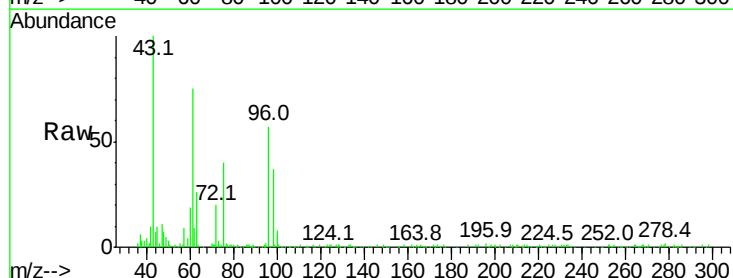
Acq: 15 Oct 2018 16:24

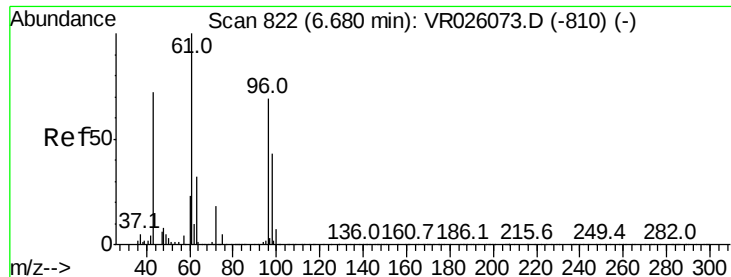
Tgt Ion: 43 Resp: 55867

Ion Ratio Lower Upper

43 100

72 21.3 12.3 36.8



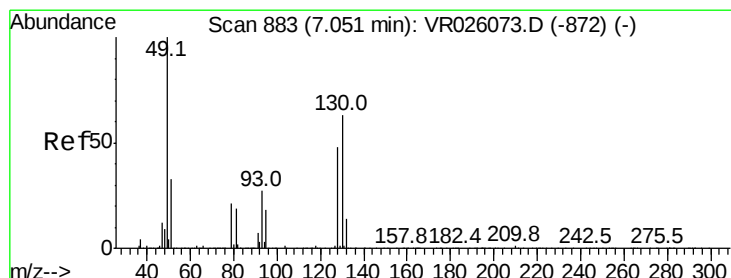
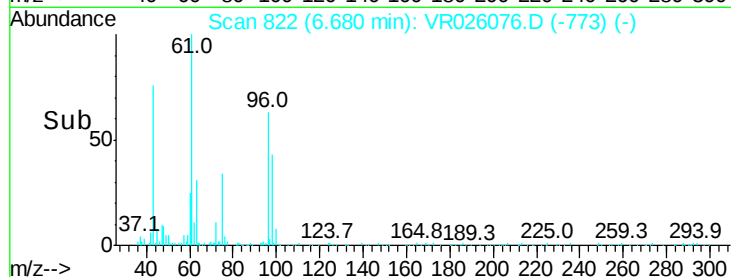
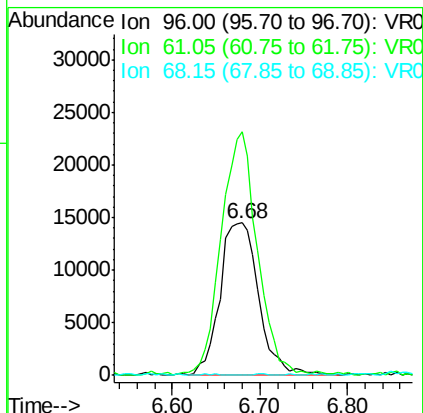
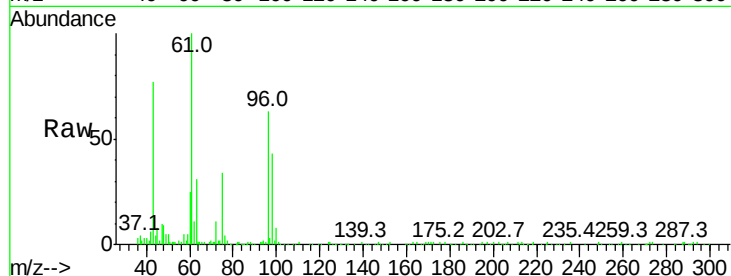


#22

cis-1,2-Dichloroethene
Concen: 1.124 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.00 min
Lab File: VR026076.D
Acq: 15 Oct 2018 16:24

Instrument :
MSVOA_R
ClientSampleId :
VSTD00186

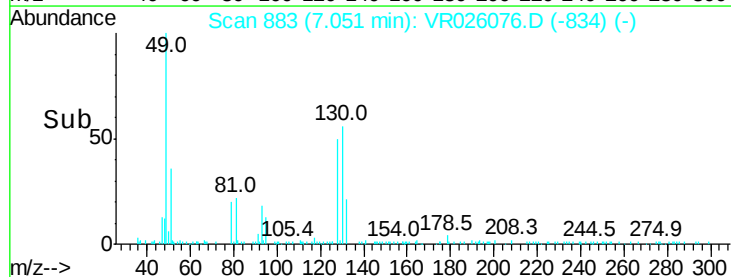
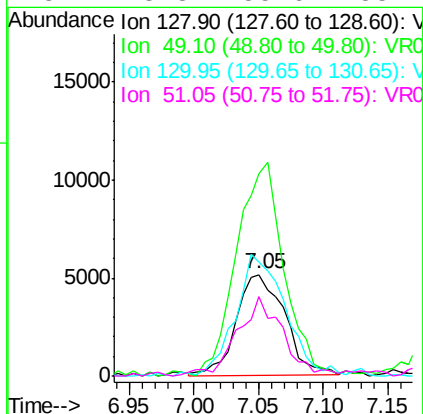
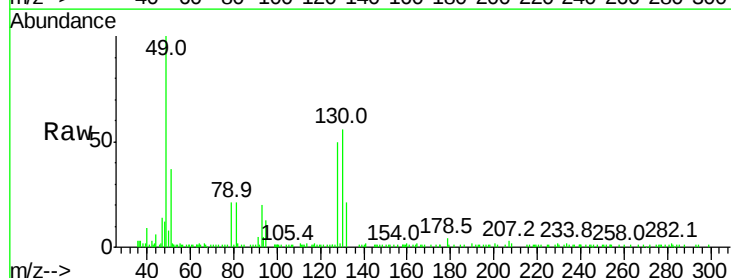
Tgt Ion: 96 Resp: 44546
Ion Ratio Lower Upper
96 100
61 159.7 101.8 189.0
68 0.0 0.1 0.3#

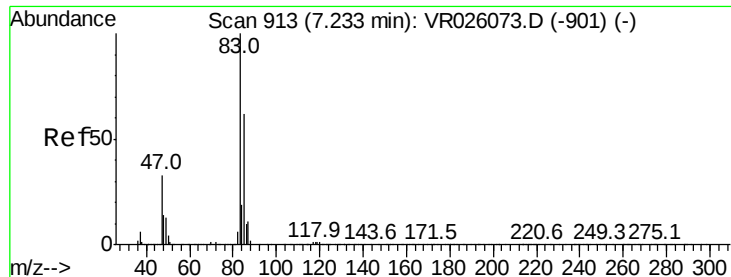


#23

Bromochloromethane
Concen: 1.252 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR026076.D
Acq: 15 Oct 2018 16:24

Tgt Ion: 128 Resp: 13465
Ion Ratio Lower Upper
128 100
49 200.4 146.2 271.4
130 113.0 92.5 171.7
51 78.8 55.6 83.4





#25

Chloroform

Concen: 1.156 ug/L

RT: 7.23 min Scan# 912

Delta R.T. -0.01 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampleId :

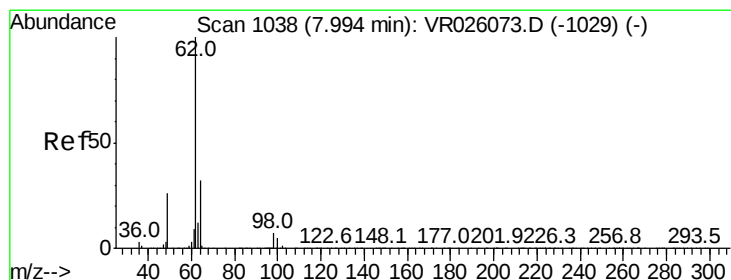
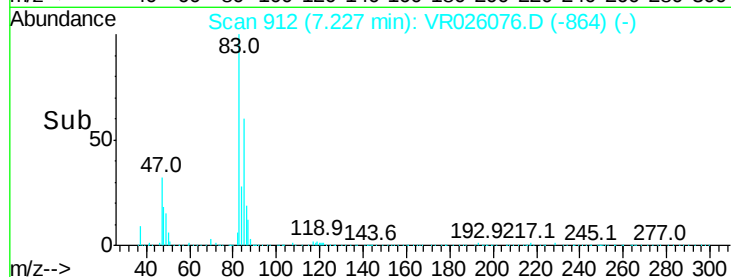
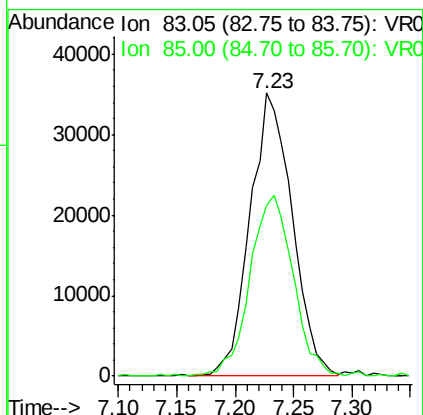
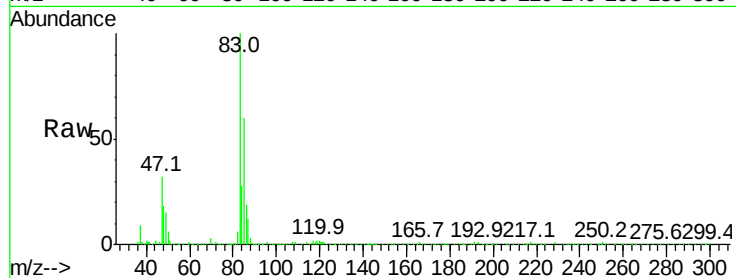
VSTD00186

Tgt Ion: 83 Resp: 87820

Ion Ratio Lower Upper

83 100

85 60.3 43.5 80.7



#27

1,2-Dichloroethane

Concen: 1.152 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VR026076.D

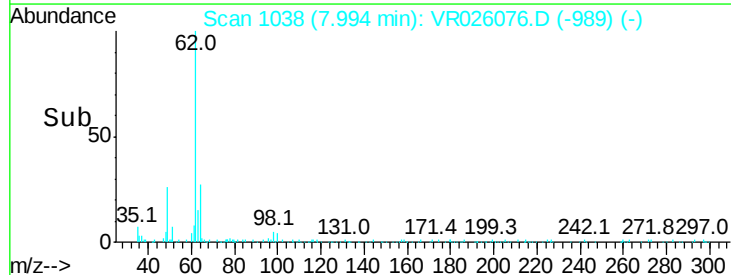
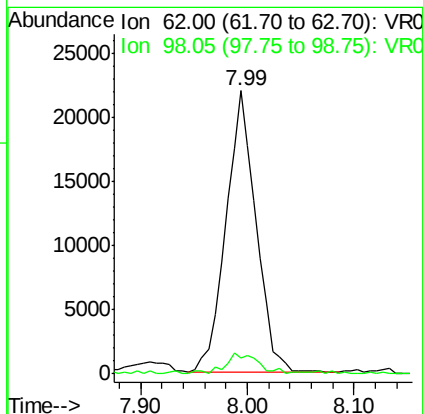
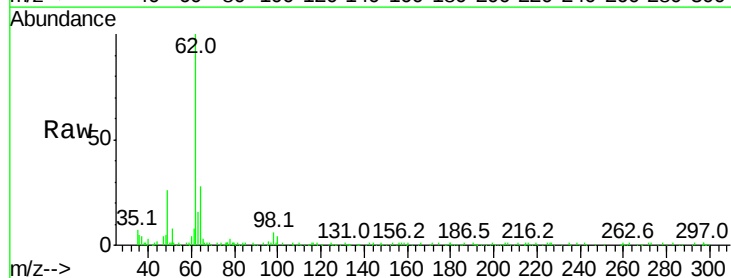
Acq: 15 Oct 2018 16:24

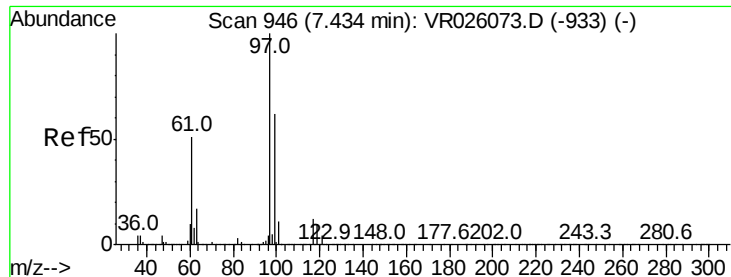
Tgt Ion: 62 Resp: 43657

Ion Ratio Lower Upper

62 100

98 5.6 5.6 8.4#





#29

1,1,1-Trichloroethane

Concen: 1.245 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.01 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampleId :

VSTD00186

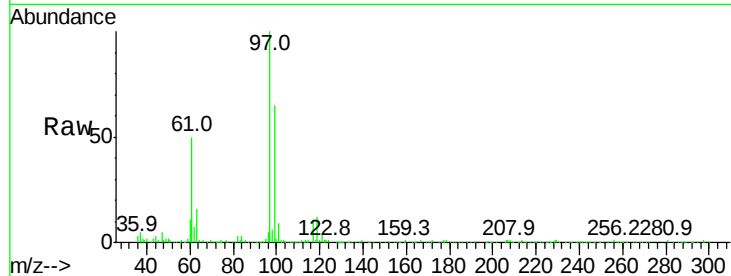
Tgt Ion: 97 Resp: 72233

Ion Ratio Lower Upper

97 100

99 68.8 51.1 76.7

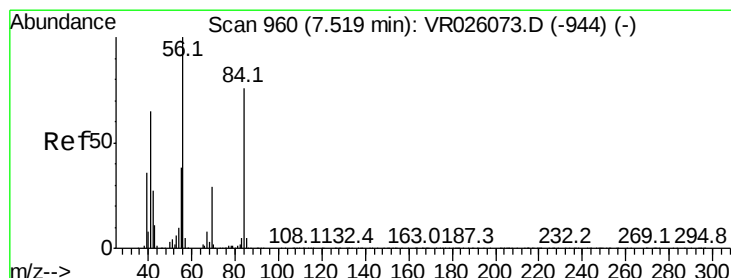
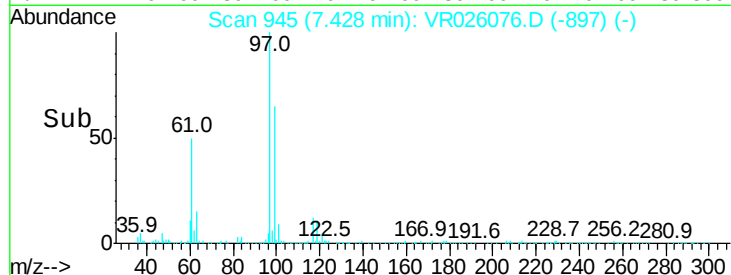
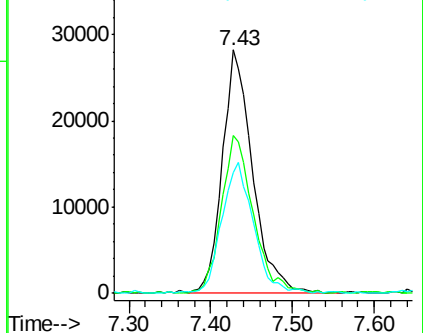
61 57.0 42.1 63.1



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 0.980 ug/L

RT: 7.52 min Scan# 960

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

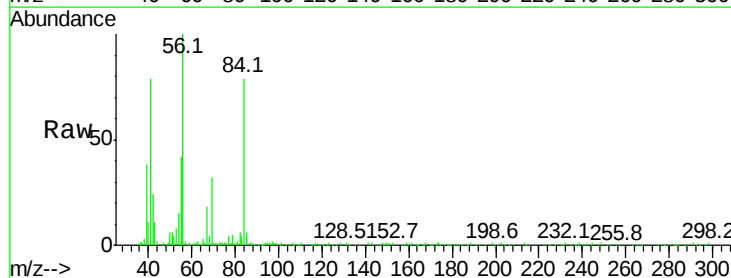
Tgt Ion: 56 Resp: 71056

Ion Ratio Lower Upper

56 100

69 34.2 23.8 35.8

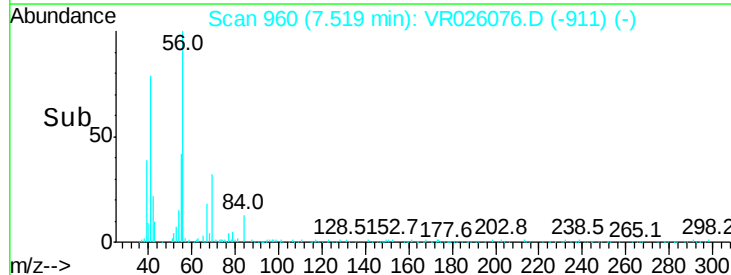
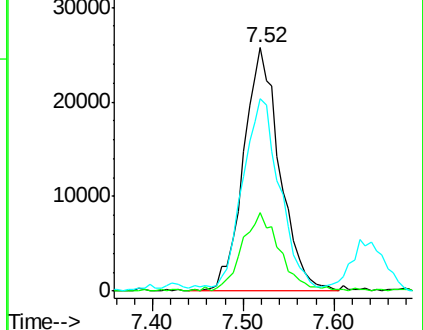
84 82.6 62.2 93.4

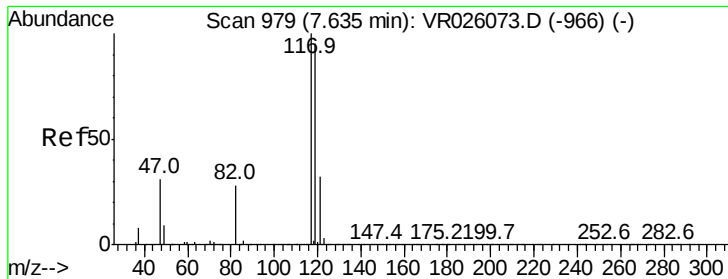


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 1.335 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampleId :

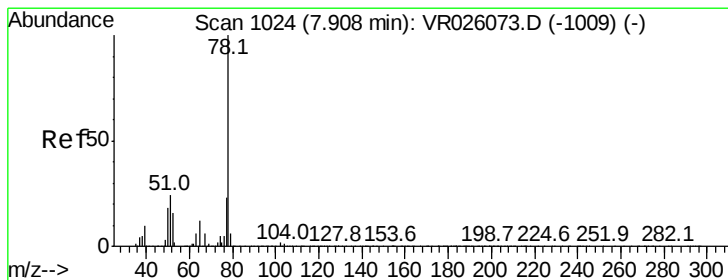
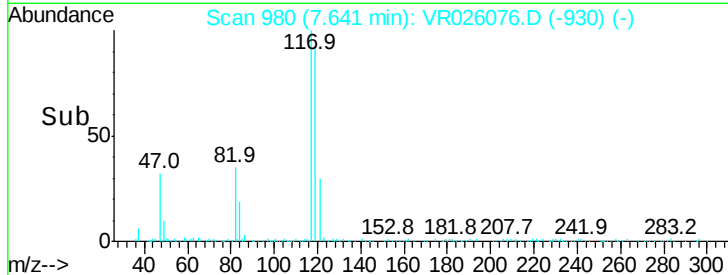
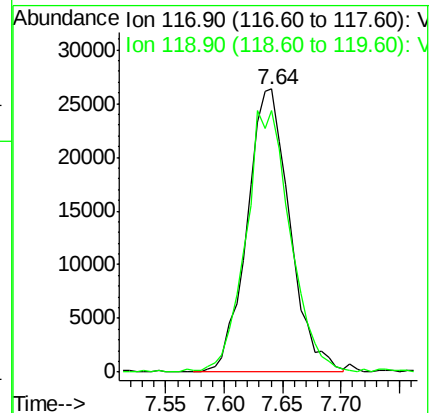
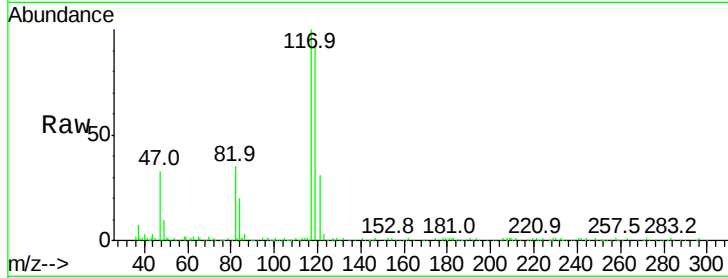
VSTD00186

Tgt Ion:117 Resp: 67078

Ion Ratio Lower Upper

117 100

119 97.2 74.2 111.2



#33

Benzene

Concen: 1.162 ug/L

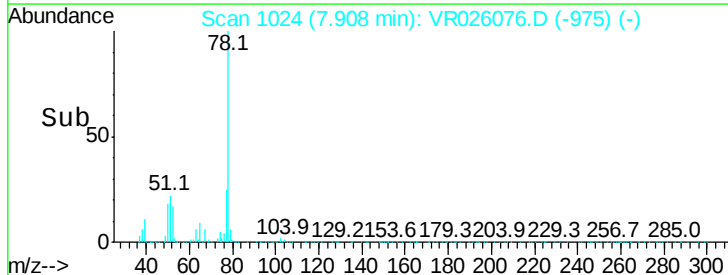
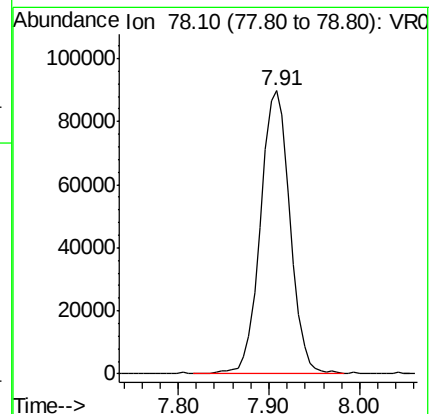
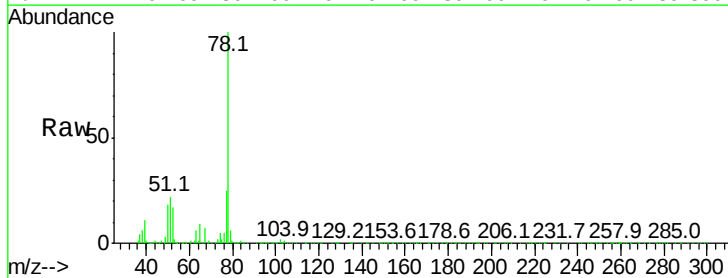
RT: 7.91 min Scan# 1024

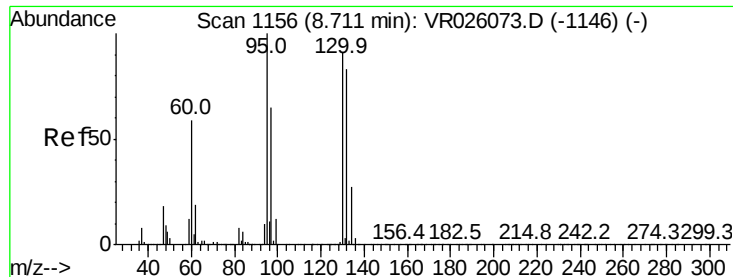
Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Tgt Ion: 78 Resp: 201069





#34

Trichloroethene

Concen: 1.161 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampleId :

VSTD00186

Tgt Ion: 95 Resp: 52929

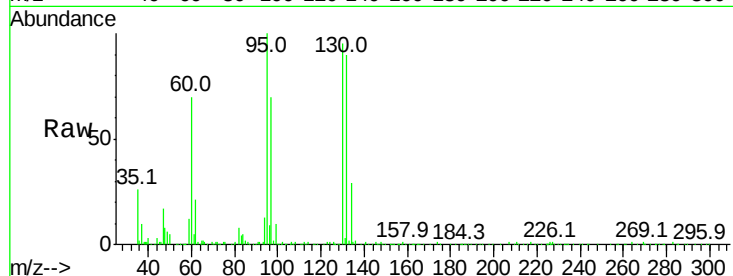
Ion Ratio Lower Upper

95 100

97 70.4 45.7 84.9

132 90.2 58.3 108.3

130 95.4 64.0 119.0

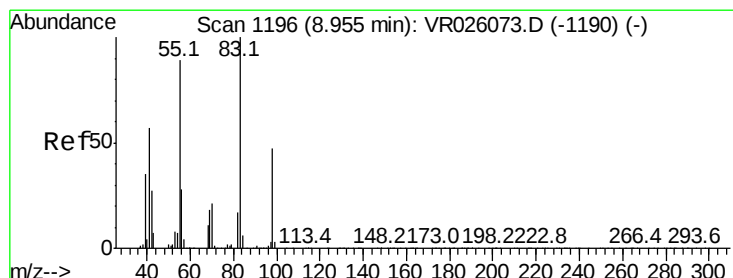
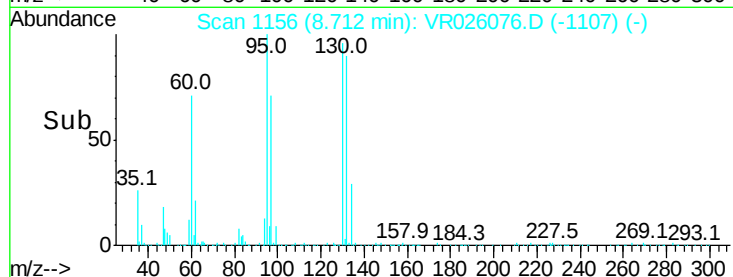
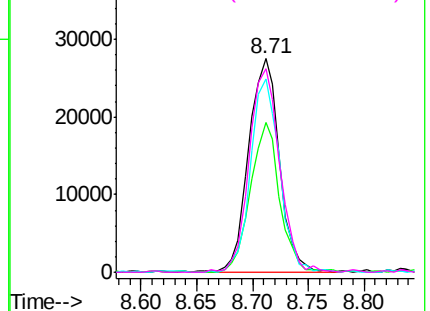


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 1.124 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

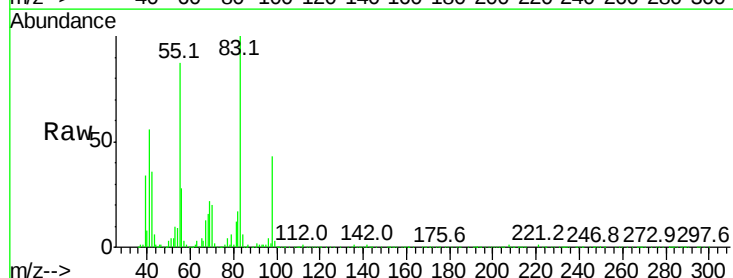
Tgt Ion: 83 Resp: 77105

Ion Ratio Lower Upper

83 100

55 89.9 66.8 100.2

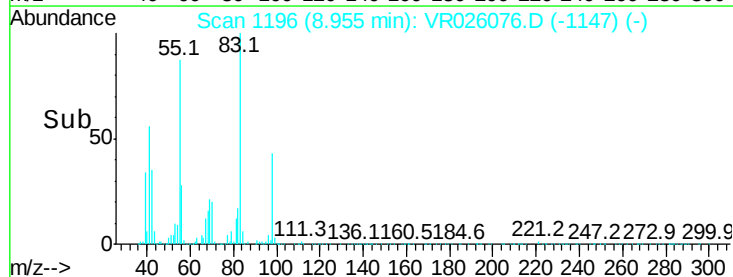
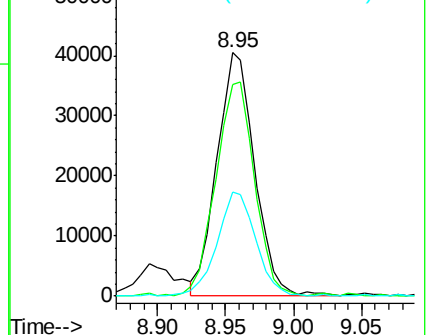
98 44.1 35.2 52.8

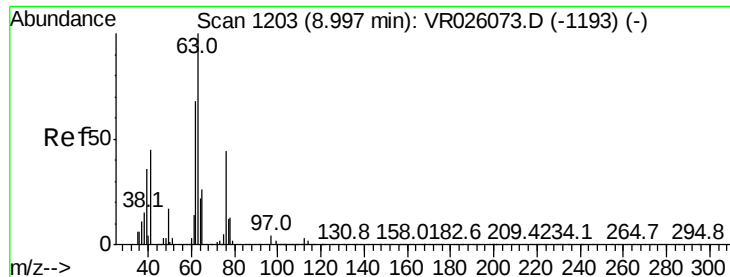


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 1.193 ug/L

RT: 8.99 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampleId :

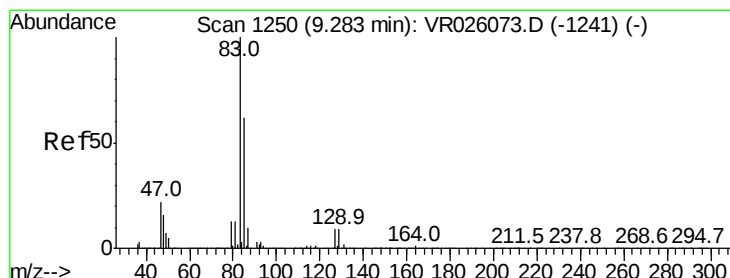
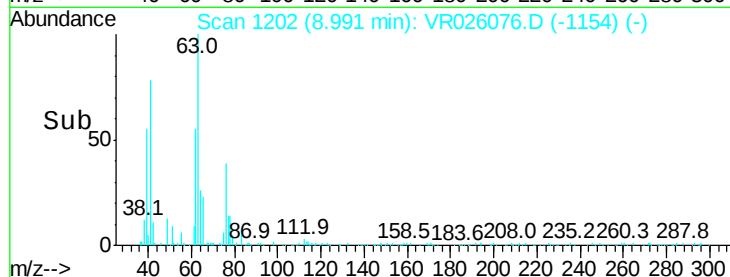
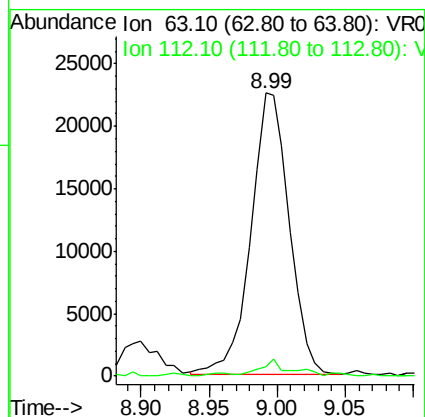
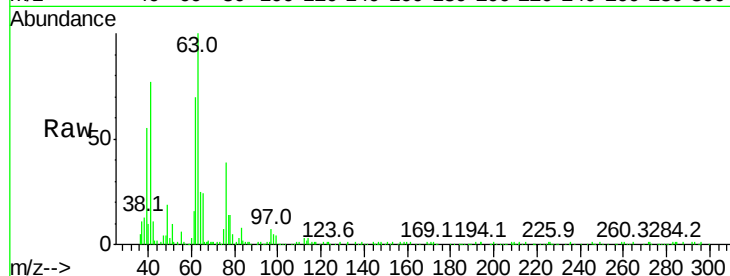
VSTD00186

Tgt Ion: 63 Resp: 44297

Ion Ratio Lower Upper

63 100

112 4.6 2.7 4.1#



#38

Bromodichloromethane

Concen: 1.080 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

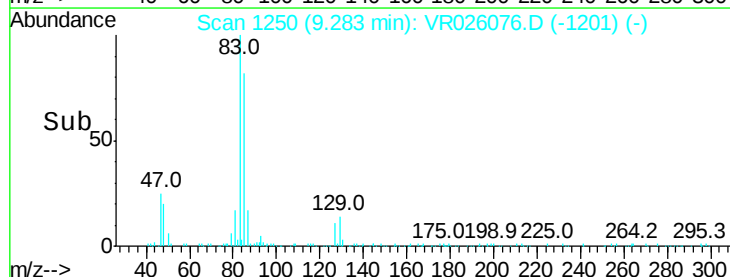
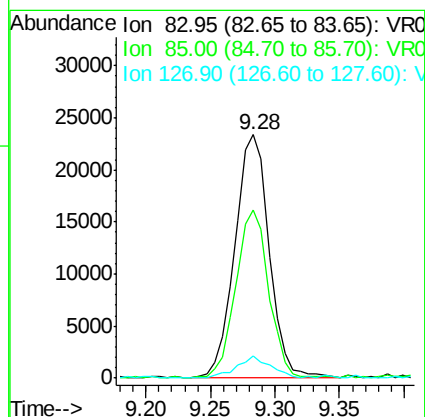
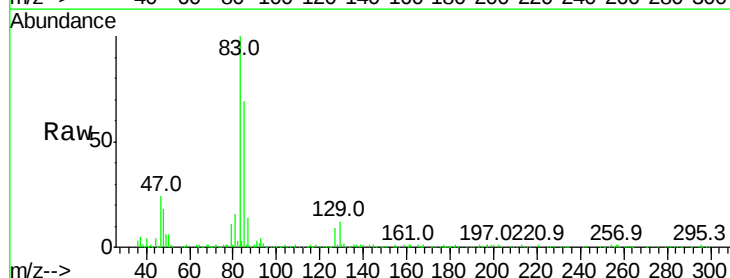
Tgt Ion: 83 Resp: 43261

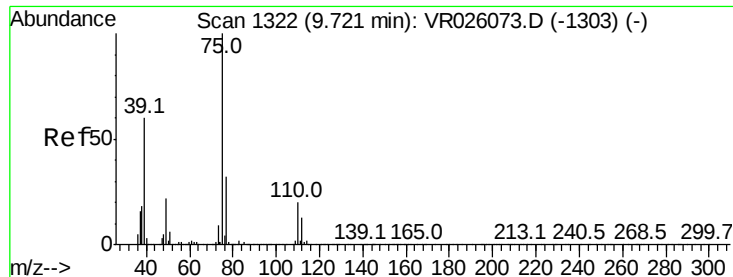
Ion Ratio Lower Upper

83 100

85 69.2 43.5 80.7

127 9.3 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 1.061 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampled :

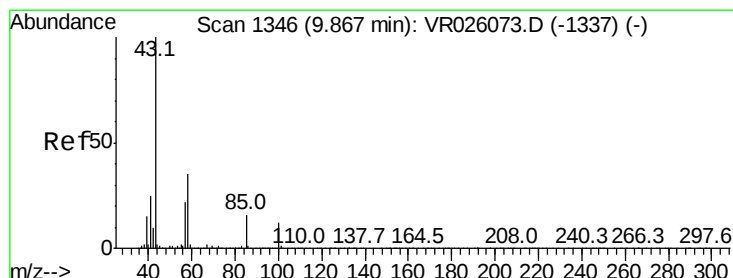
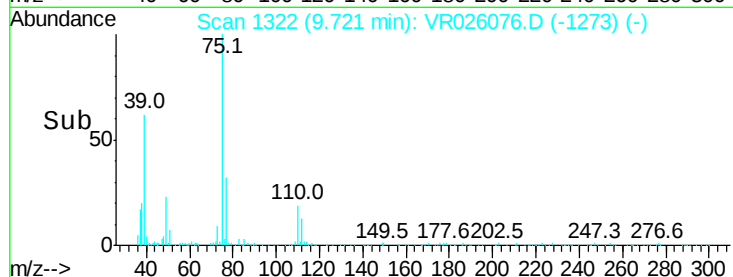
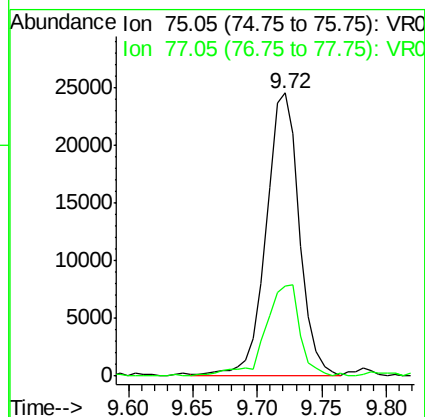
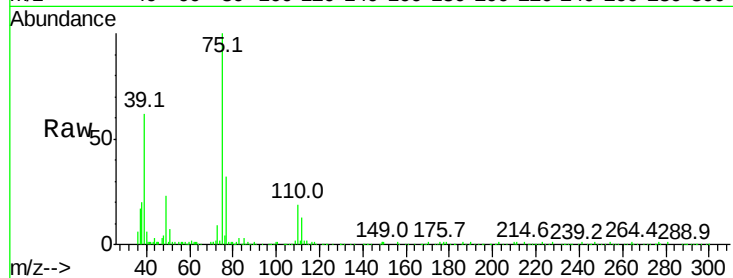
VSTD00186

Tgt Ion: 75 Resp: 44152

Ion Ratio Lower Upper

75 100

77 32.0 22.7 42.1



#40

4-Methyl-2-pentanone

Concen: 9.407 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

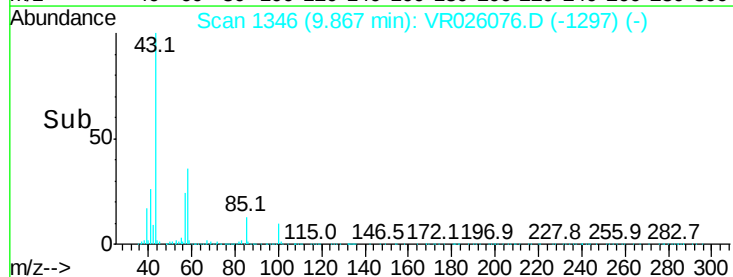
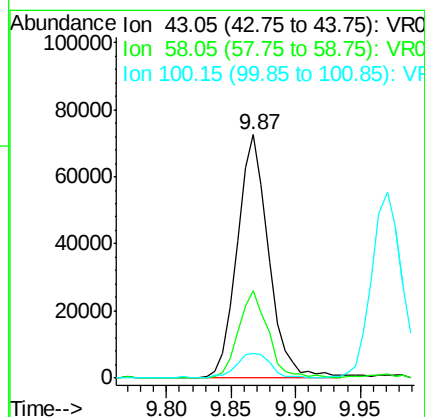
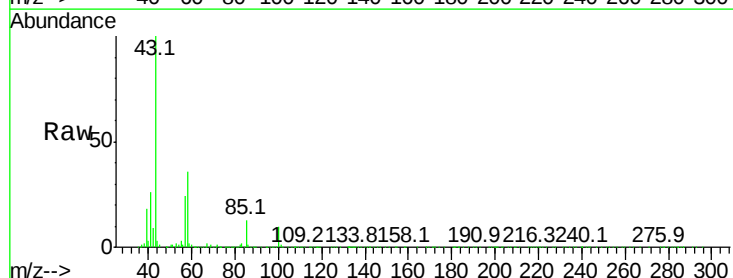
Tgt Ion: 43 Resp: 122814

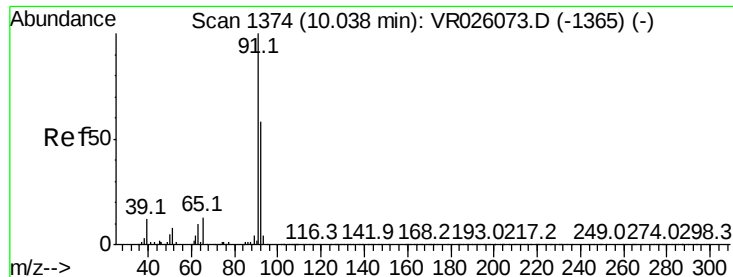
Ion Ratio Lower Upper

43 100

58 33.9 28.1 42.1

100 11.1 9.3 13.9





#42

Toluene

Concen: 1.154 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.01 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampled :

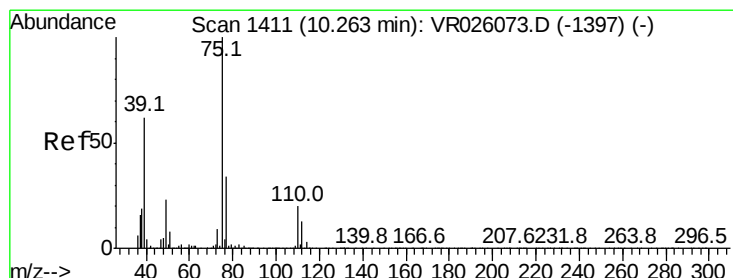
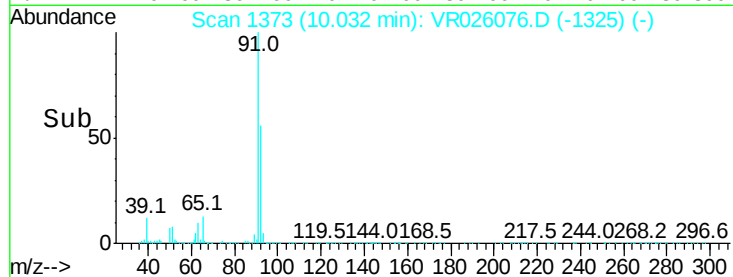
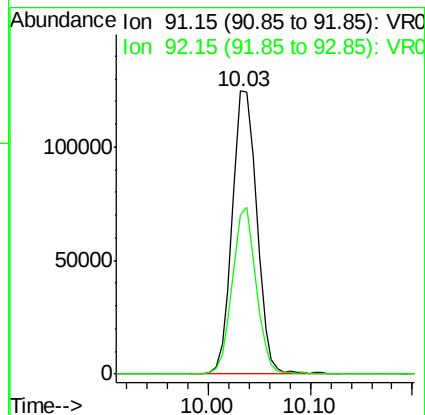
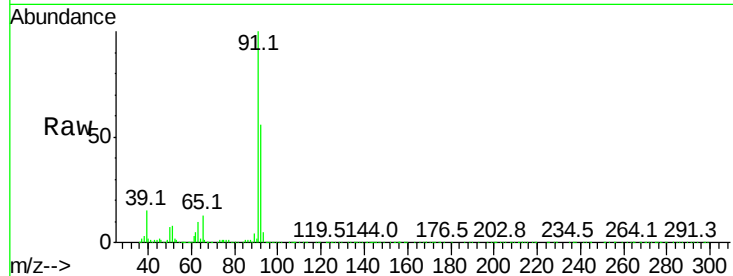
VSTD00186

Tgt Ion: 91 Resp: 207508

Ion Ratio Lower Upper

91 100

92 56.2 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 1.076 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026076.D

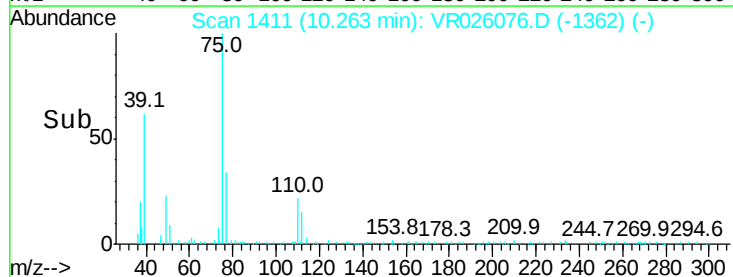
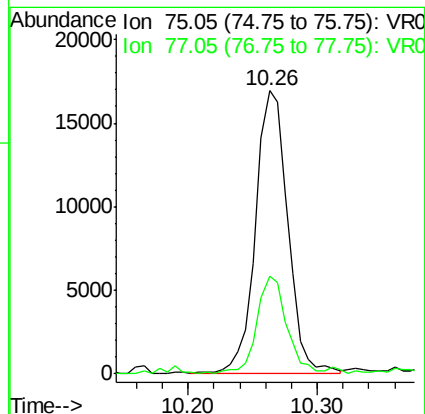
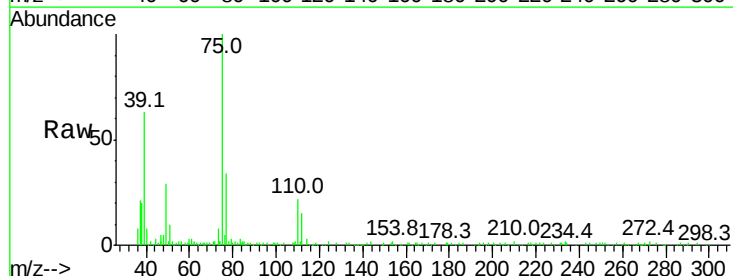
Acq: 15 Oct 2018 16:24

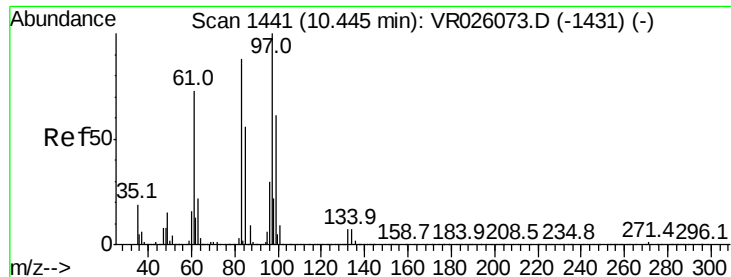
Tgt Ion: 75 Resp: 29249

Ion Ratio Lower Upper

75 100

77 34.3 24.1 44.7





#45

1,1,2-Trichloroethane

Concen: 1.009 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampleId :

VSTD00186

Tgt Ion: 97 Resp: 16954

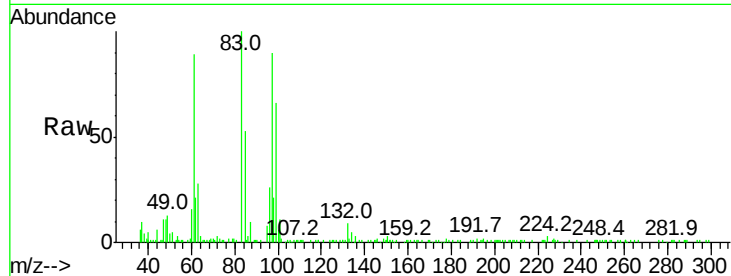
Ion Ratio Lower Upper

97 100

99 73.4 42.8 79.4

83 110.5 61.9 114.9

85 60.1 39.3 72.9

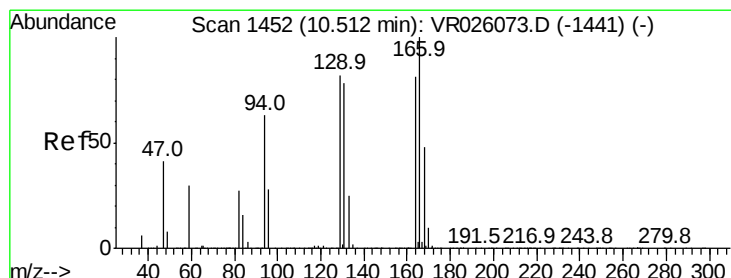
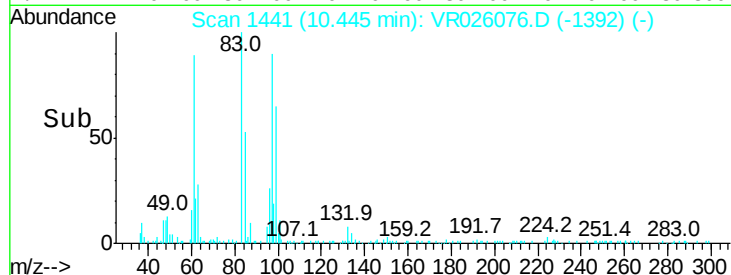
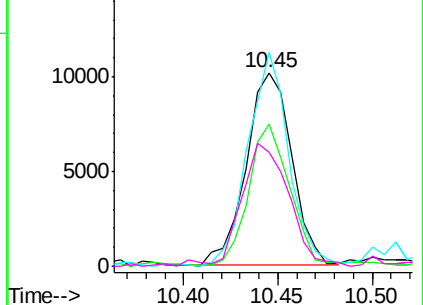


Abundance Ion 96.95 (96.65 to 97.65): VR0

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: 1.311 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Tgt Ion: 164 Resp: 36836

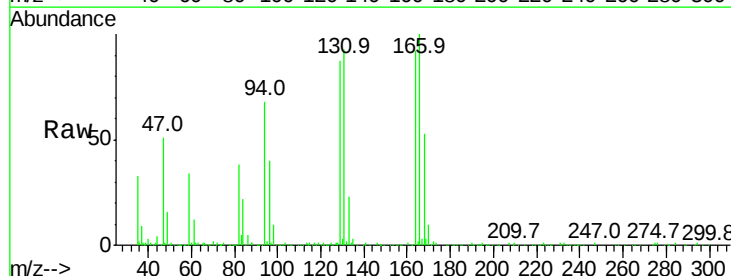
Ion Ratio Lower Upper

164 100

129 94.1 70.3 130.5

131 101.1 67.3 125.1

166 108.5 86.1 159.9

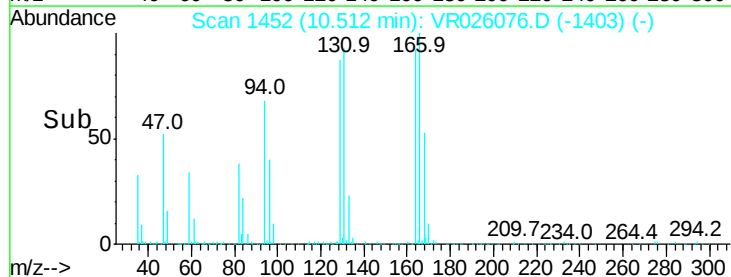
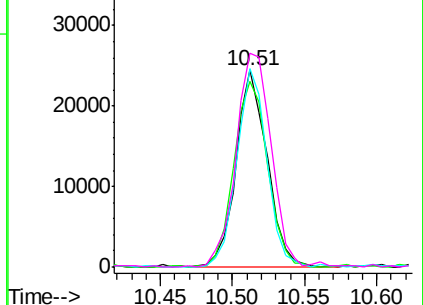


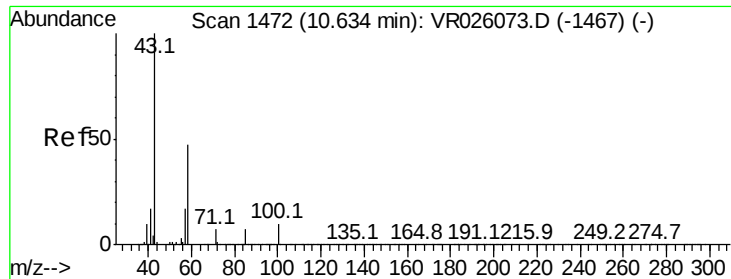
Abundance Ion 163.90 (163.60 to 164.60): V

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

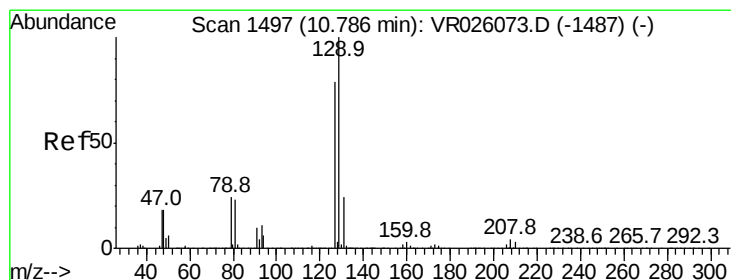
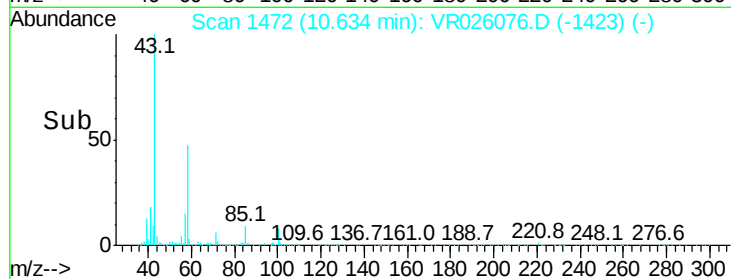
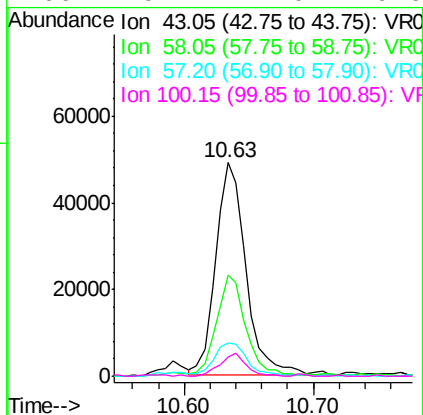
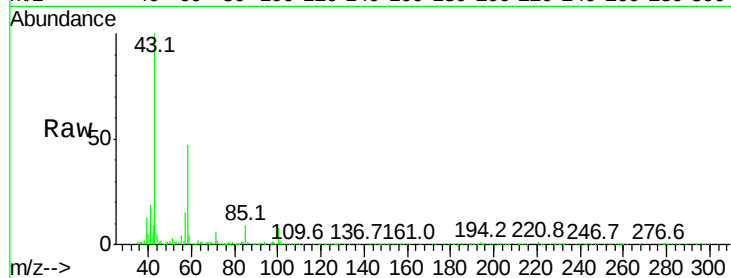




#48
2-Hexanone
Concen: 9.472 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026076.D
Acq: 15 Oct 2018 16:24

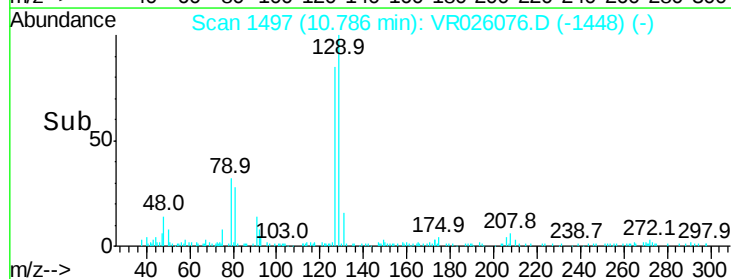
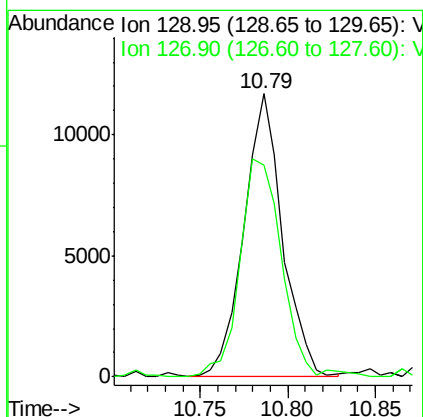
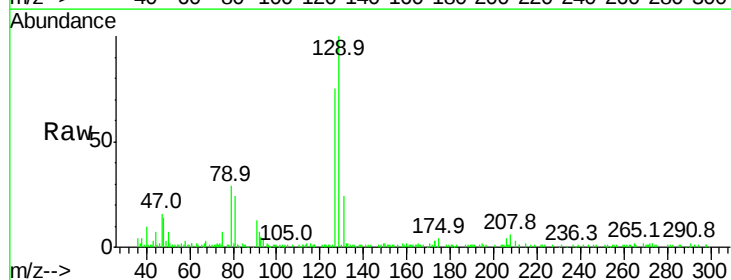
Instrument :
MSVOA_R
ClientSampleId :
VSTD00186

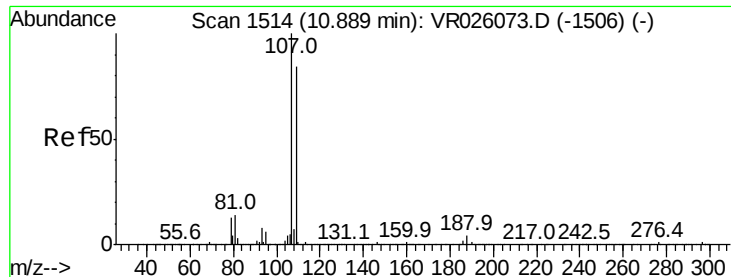
Tgt Ion:	43	Resp:	80970
Ion	Ratio	Lower	Upper
43	100		
58	44.4	39.6	59.4
57	16.6	14.0	21.0
100	9.4	7.0	10.6



#49
Dibromochloromethane
Concen: 1.050 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026076.D
Acq: 15 Oct 2018 16:24

Tgt Ion:	129	Resp:	17900
Ion	Ratio	Lower	Upper
129	100		
127	74.7	55.0	102.2





#50

1,2-Dibromoethane

Concen: 1.145 ug/L

RT: 10.89 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampleId :

VSTD00186

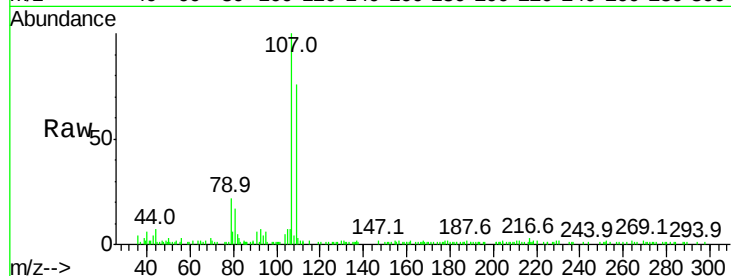
Tgt Ion:107 Resp: 15178

Ion Ratio Lower Upper

107 100

109 76.4 58.7 109.1

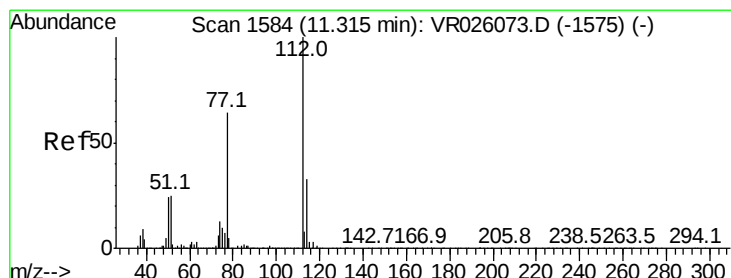
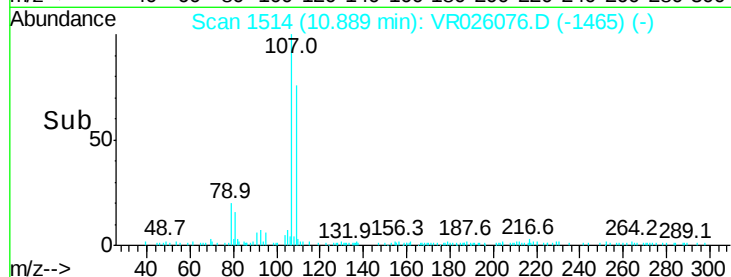
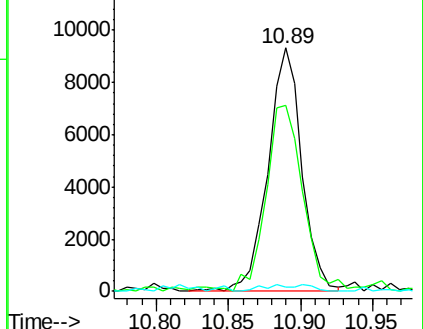
188 1.9 2.9 4.3#



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: 1.231 ug/L

RT: 11.32 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

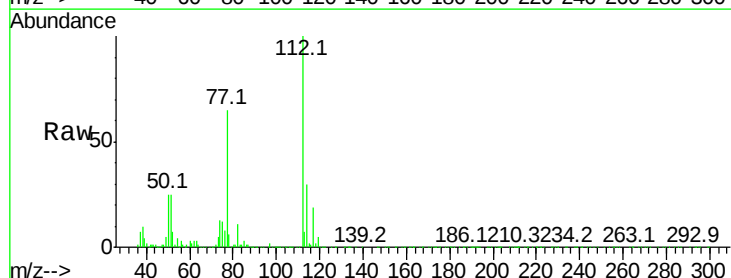
Tgt Ion:112 Resp: 117436

Ion Ratio Lower Upper

112 100

114 30.4 22.8 42.4

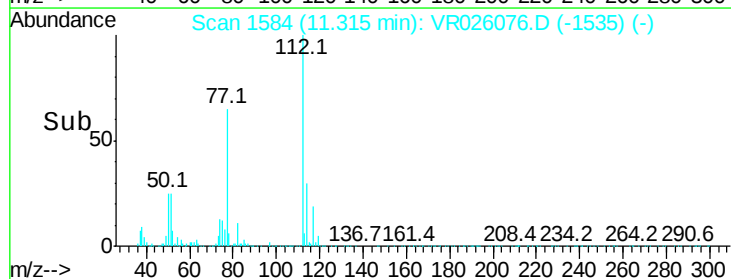
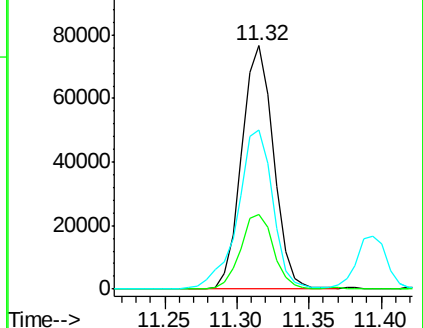
77 65.1 51.5 77.3

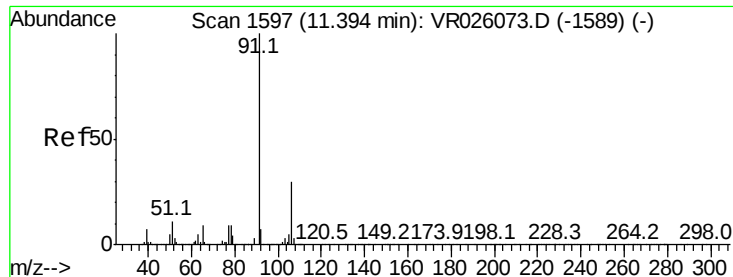


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR





#52

Ethylbenzene

Concen: 1.187 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampleId :

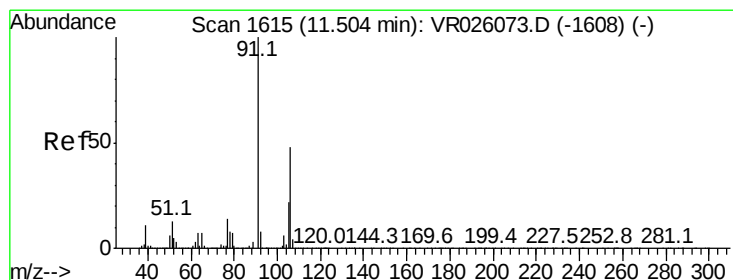
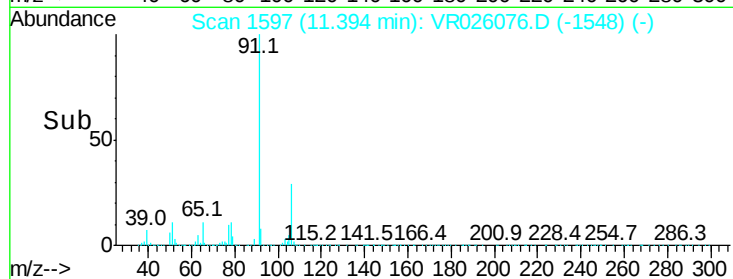
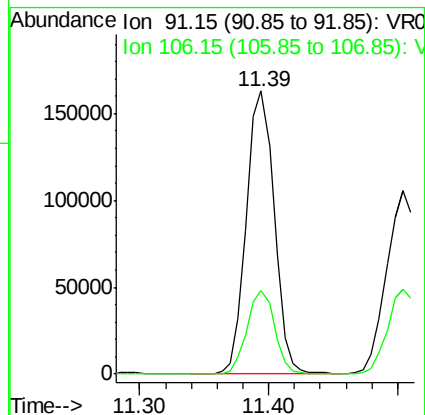
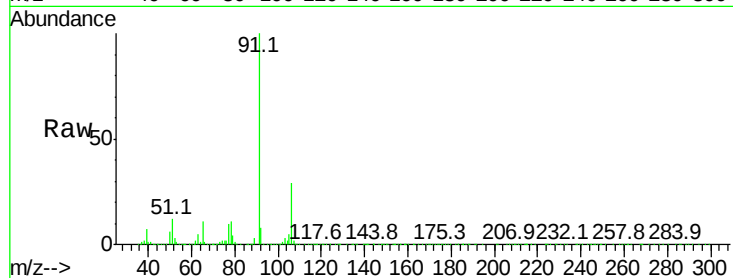
VSTD00186

Tgt Ion: 91 Resp: 243607

Ion Ratio Lower Upper

91 100

106 29.5 21.2 39.4



#53

m,p-Xylene

Concen: 1.129 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026076.D

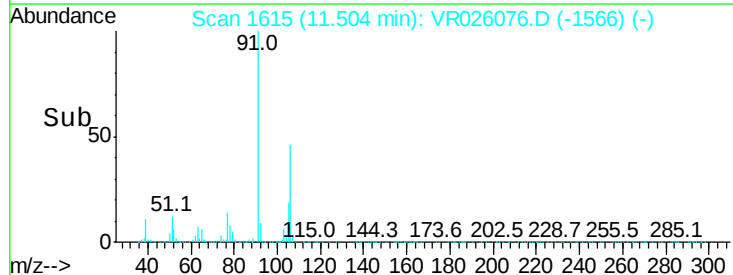
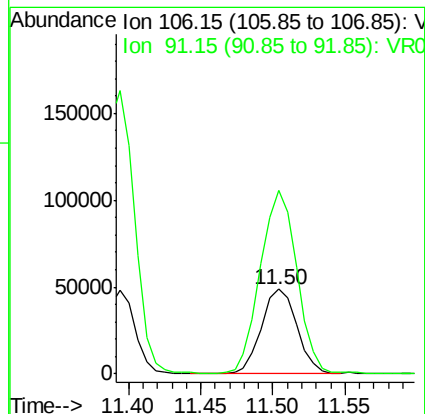
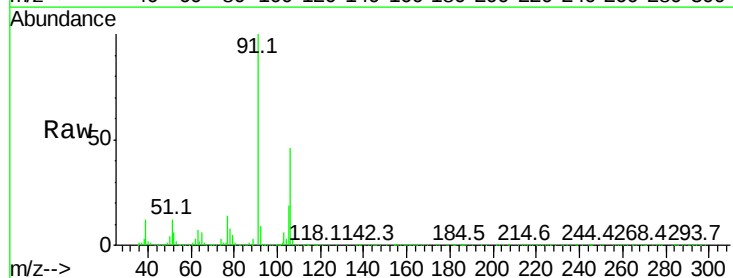
Acq: 15 Oct 2018 16:24

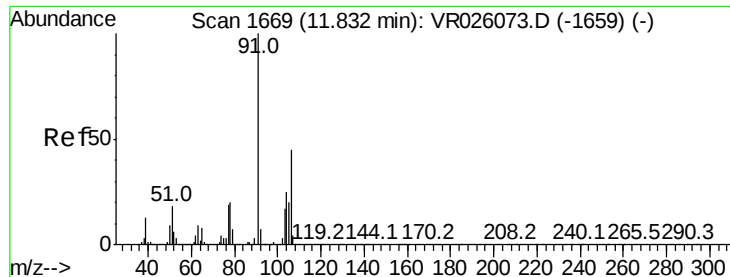
Tgt Ion: 106 Resp: 82490

Ion Ratio Lower Upper

106 100

91 216.7 145.3 269.8





#54

o-Xylene

Concen: 1.070 ug/L

RT: 11.83 min Scan# 1669

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampleId :

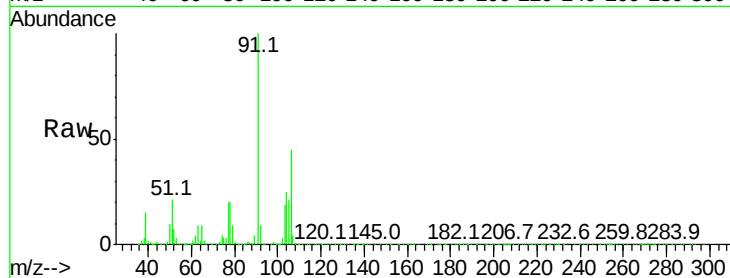
VSTD00186

Tgt Ion:106 Resp: 72773

Ion Ratio Lower Upper

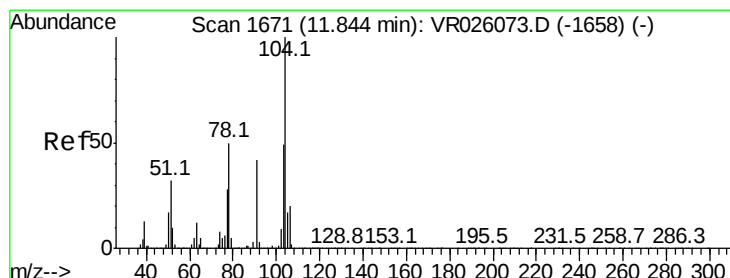
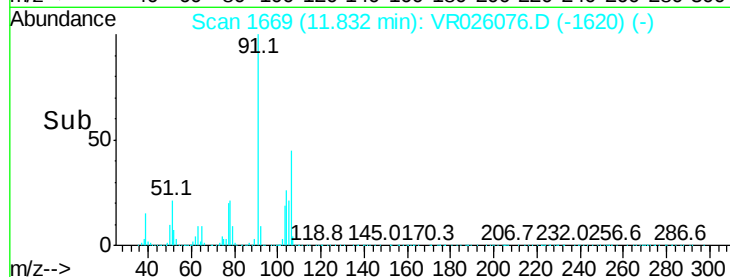
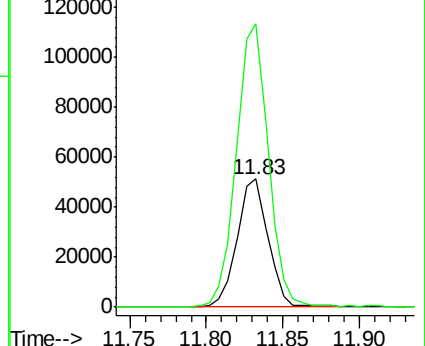
106 100

91 221.3 155.8 289.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 1.057 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR026076.D

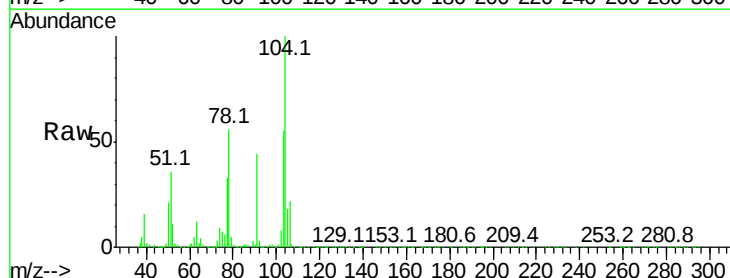
Acq: 15 Oct 2018 16:24

Tgt Ion:104 Resp: 111914

Ion Ratio Lower Upper

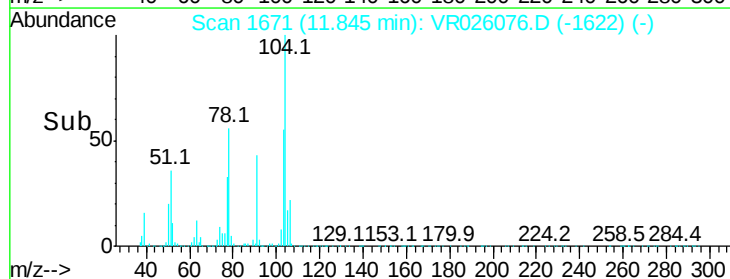
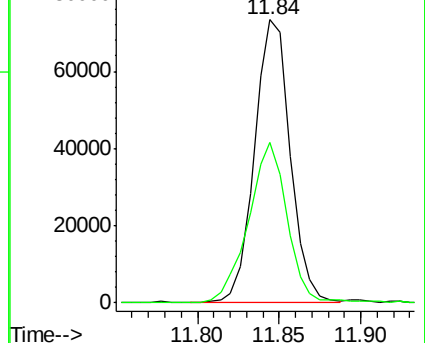
104 100

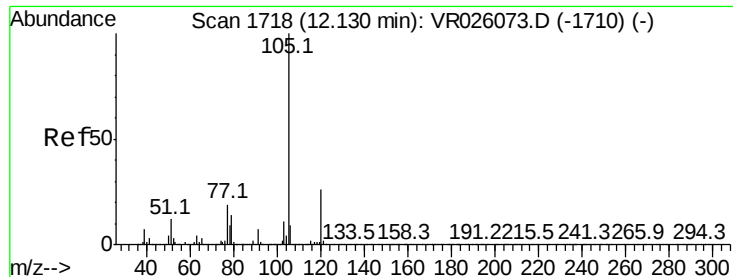
78 56.5 34.7 64.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 1.163 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampleId :

VSTD00186

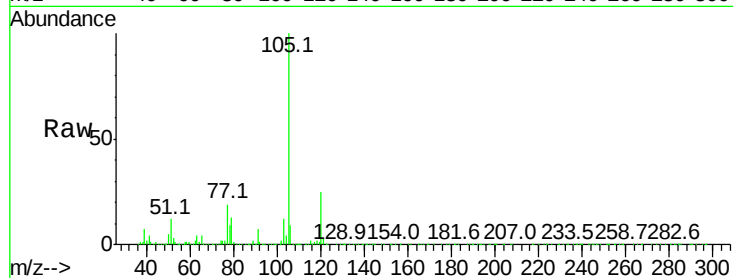
Tgt Ion: 105 Resp: 218277

Ion Ratio Lower Upper

105 100

120 24.5 21.0 31.4

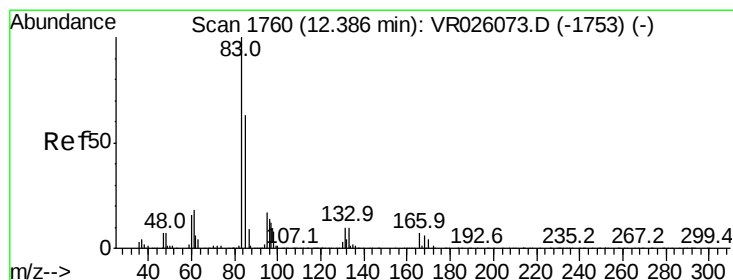
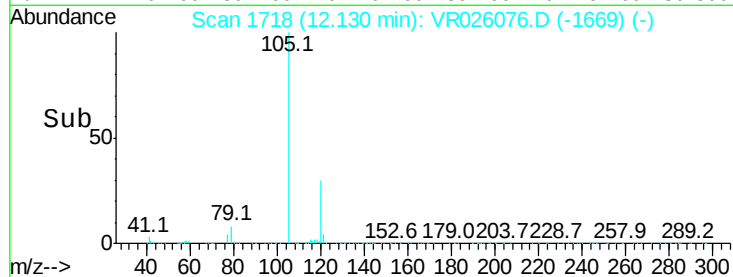
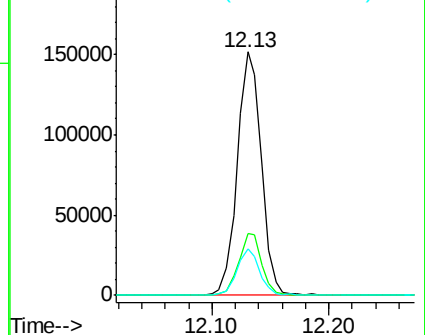
77 17.6 14.6 21.8



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: 1.111 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

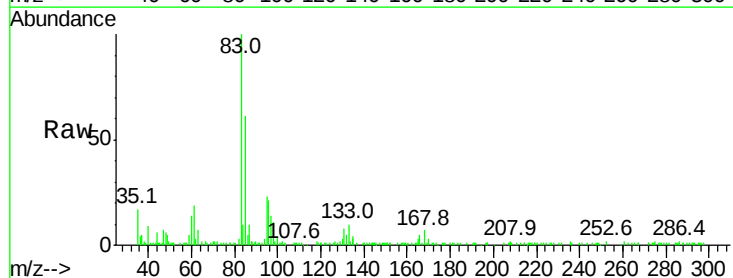
Tgt Ion: 83 Resp: 17982

Ion Ratio Lower Upper

83 100

85 60.9 44.0 81.8

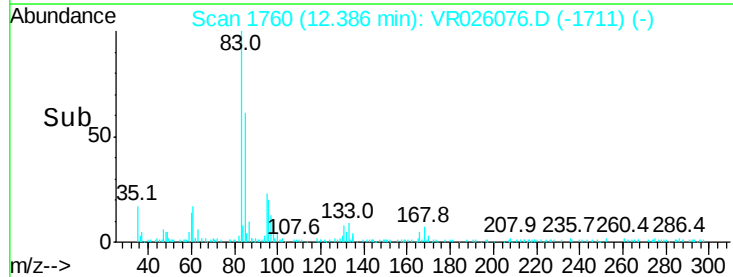
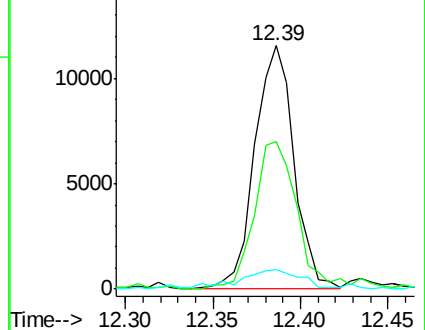
131 8.2 8.0 12.0

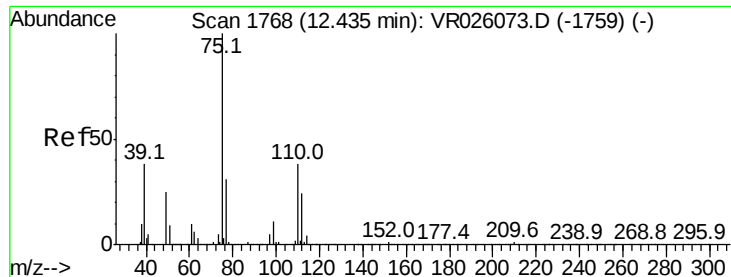


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.166 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampled :

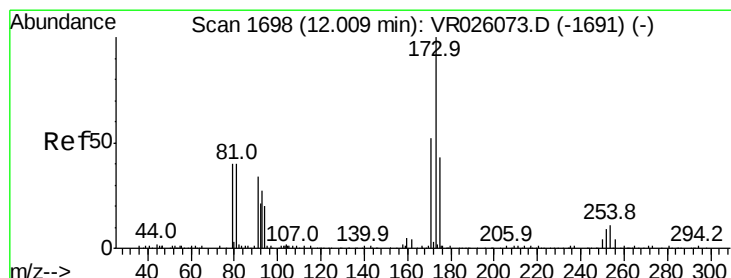
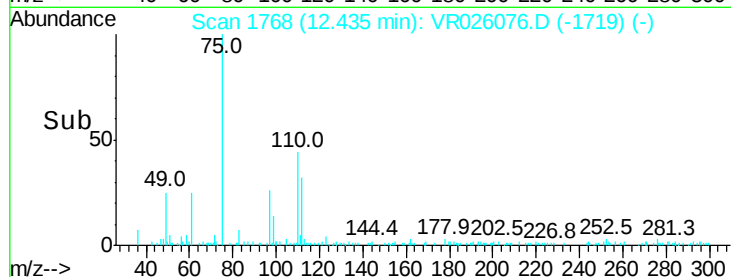
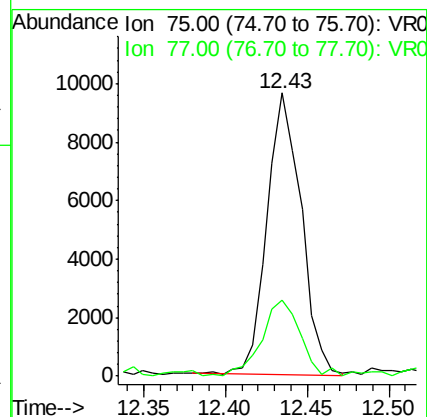
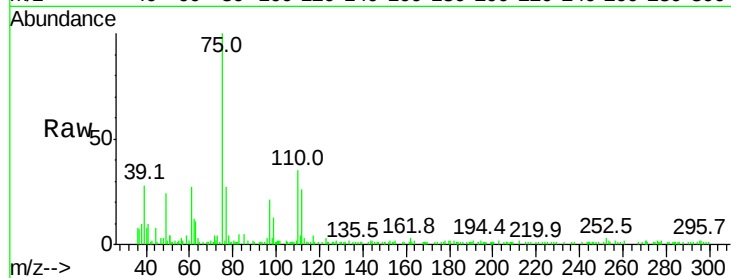
VSTD00186

Tgt Ion: 75 Resp: 14043

Ion Ratio Lower Upper

75 100

77 30.5 26.2 39.2



#61

Bromoform

Concen: 1.088 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

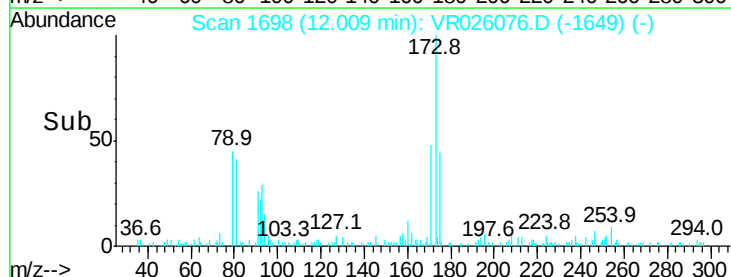
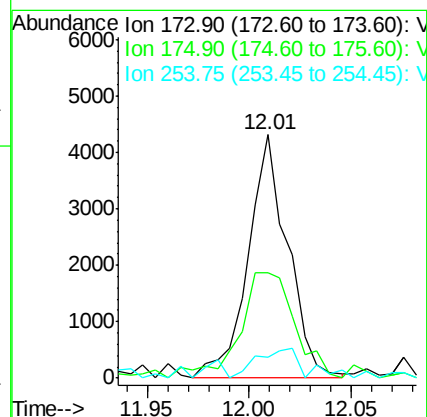
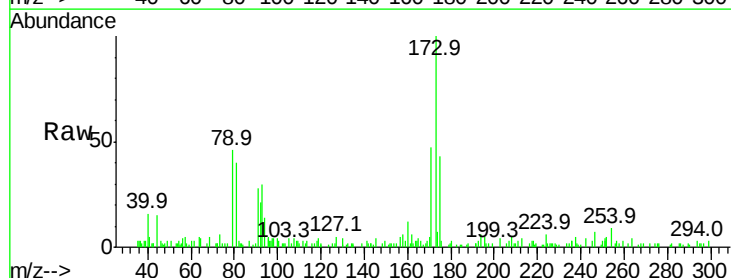
Tgt Ion: 173 Resp: 5837

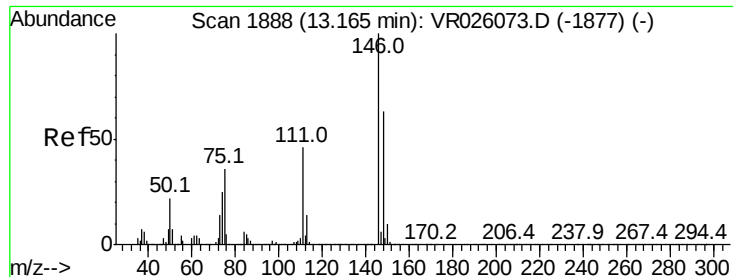
Ion Ratio Lower Upper

173 100

175 60.1 39.0 58.4#

254 14.5 8.1 12.1#





#62

1,3-Dichlorobenzene

Concen: 1.203 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampleId :

VSTD00186

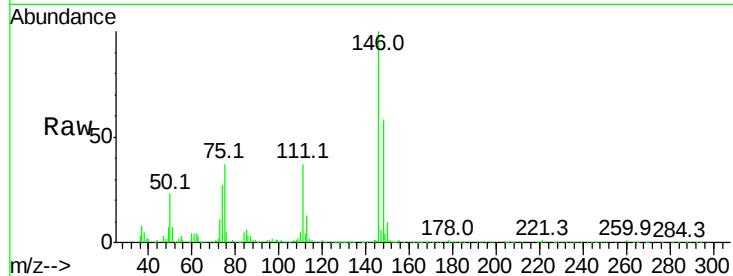
Tgt Ion:146 Resp: 62394

Ion Ratio Lower Upper

146 100

111 37.1 32.1 59.7

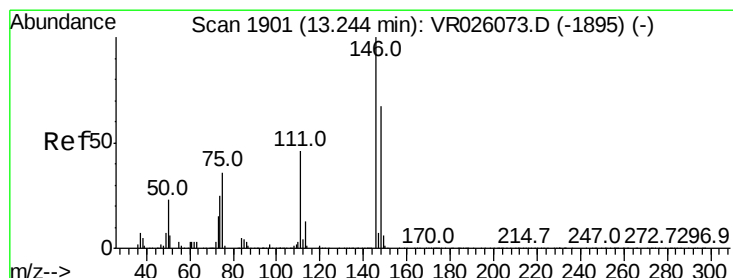
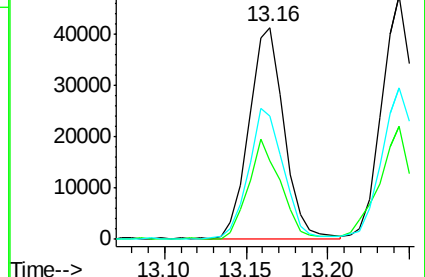
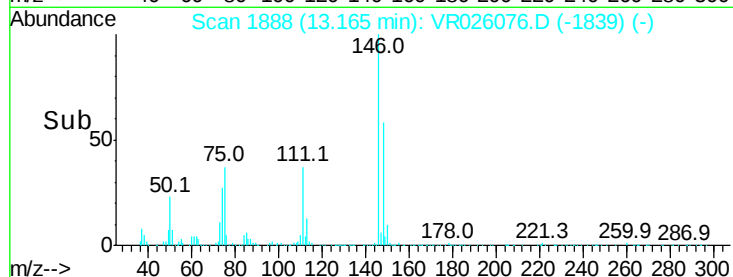
148 58.0 43.8 81.3



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: 1.276 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

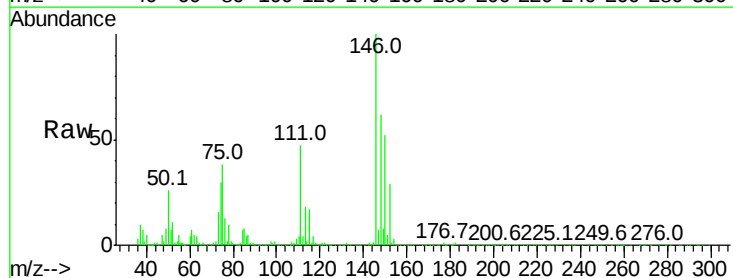
Tgt Ion:146 Resp: 67715

Ion Ratio Lower Upper

146 100

111 46.7 32.6 60.6

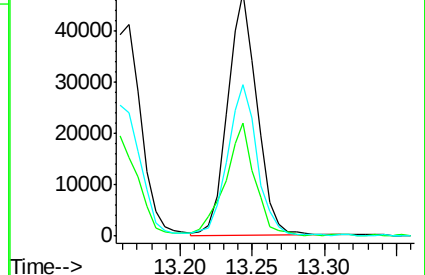
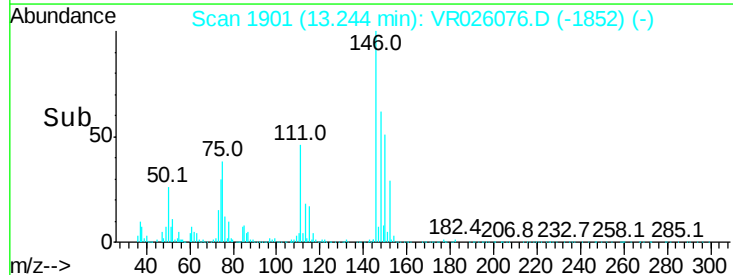
148 62.0 46.7 86.7

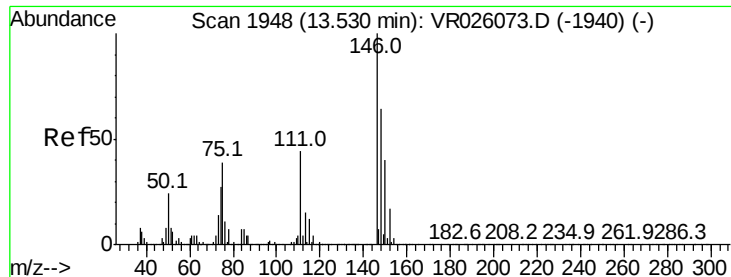


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.170 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampleId :

VSTD00186

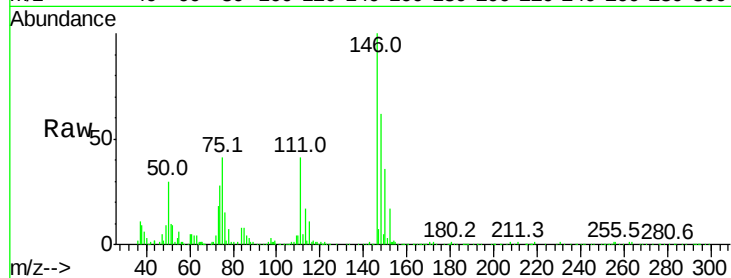
Tgt Ion:146 Resp: 48754

Ion Ratio Lower Upper

146 100

111 40.9 35.2 52.8

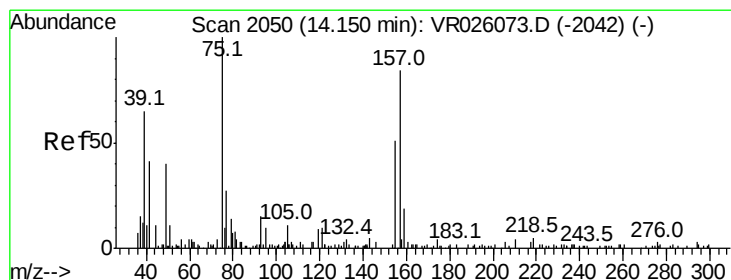
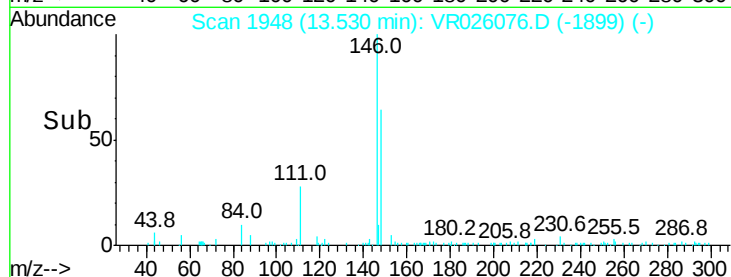
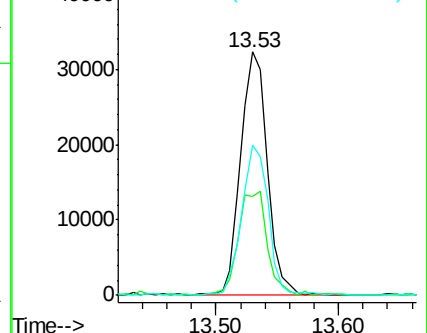
148 61.7 51.2 76.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 1.500 ug/L

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

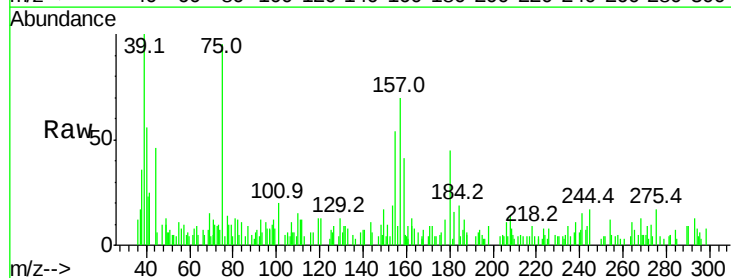
Tgt Ion: 75 Resp: 2629

Ion Ratio Lower Upper

75 100

155 56.5 40.9 61.3

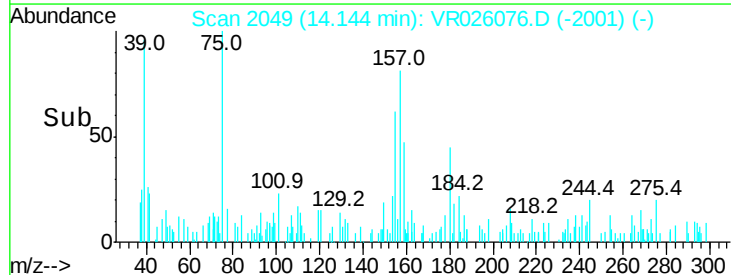
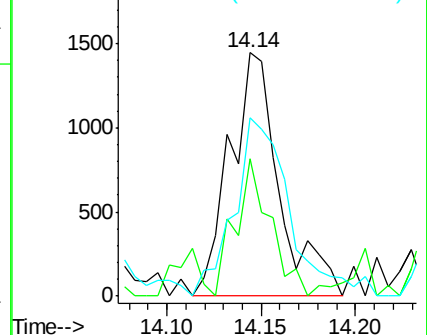
157 73.5 67.3 100.9

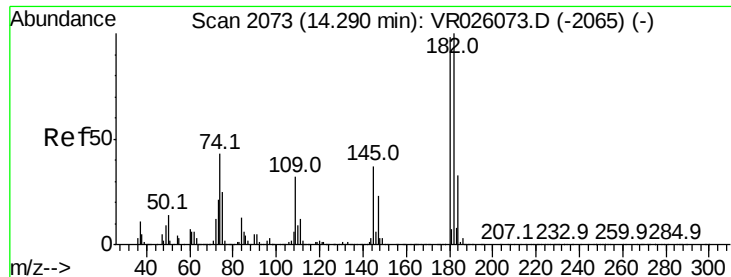


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

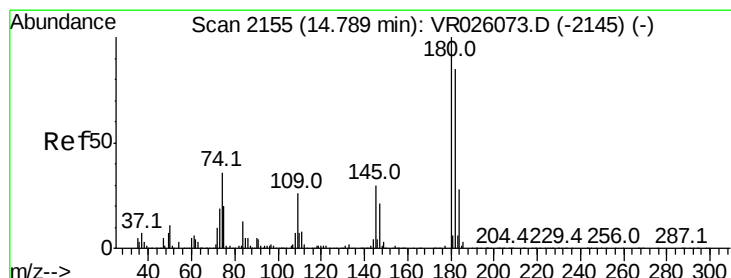
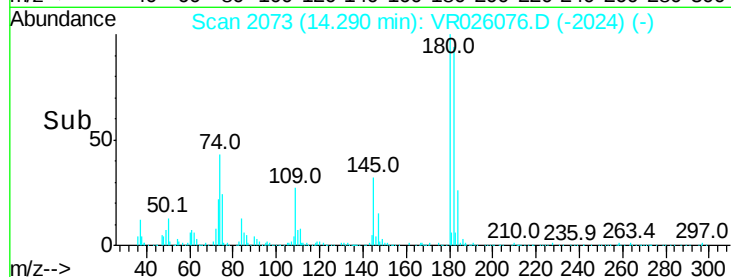
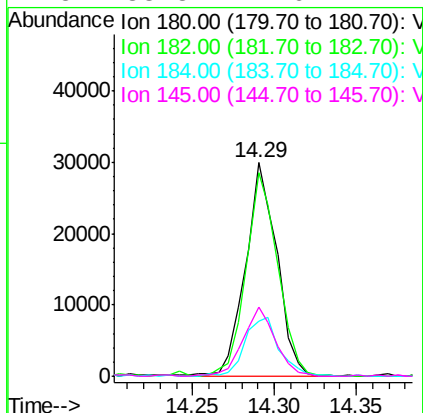
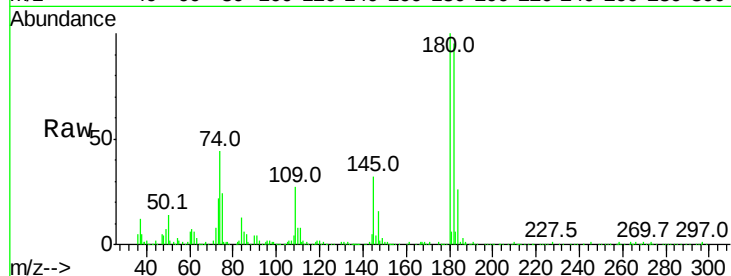




#67
 1,3,5-Trichlorobenzene
 Concen: 1.284 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026076.D
 Acq: 15 Oct 2018 16:24

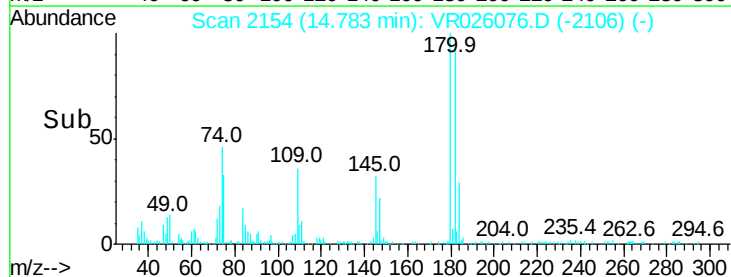
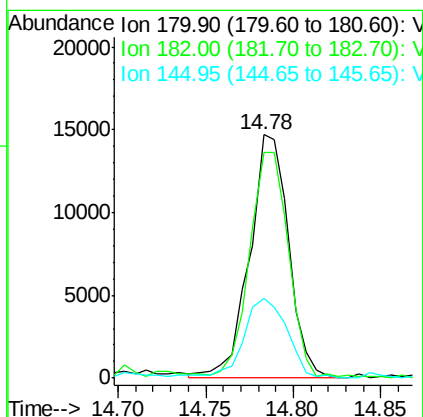
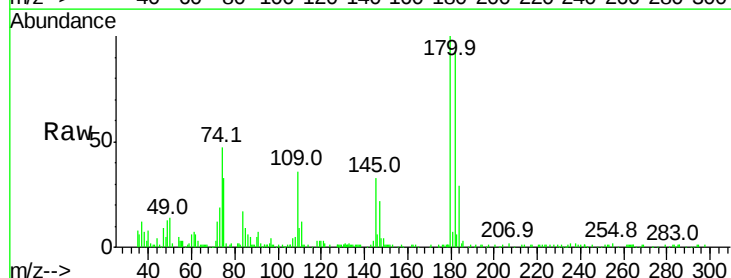
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00186

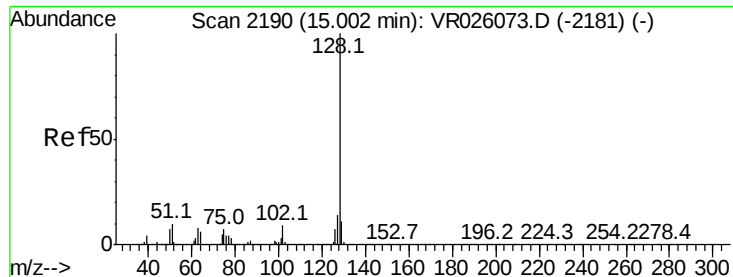
Tgt Ion:	180	Resp:	39679
Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.5	116.3
184	30.5	25.0	37.4
145	33.8	27.6	41.4



#68
 1,2,4-trichlorobenzene
 Concen: 1.161 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR026076.D
 Acq: 15 Oct 2018 16:24

Tgt Ion:	180	Resp:	22876
Ion	Ratio	Lower	Upper
180	100		
182	92.8	76.1	114.1
145	36.9	28.2	42.4





#69

Naphthalene

Concen: 0.726 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

Instrument :

MSVOA_R

ClientSampleId :

VSTD00186

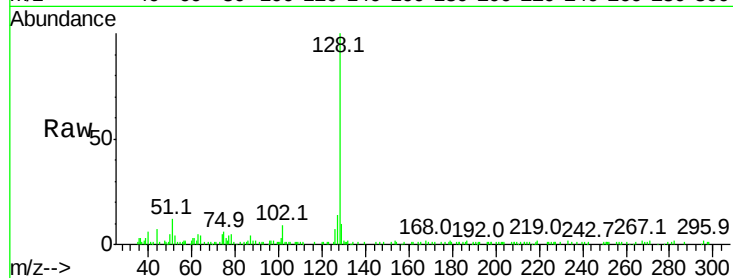
Tgt Ion:128 Resp: 18247

Ion Ratio Lower Upper

128 100

127 11.2 11.0 16.6

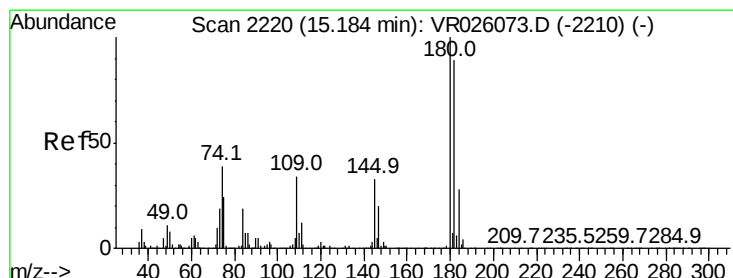
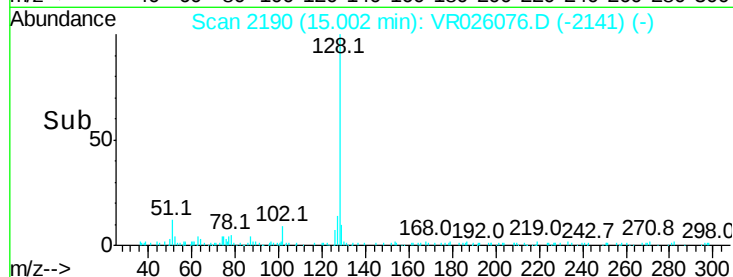
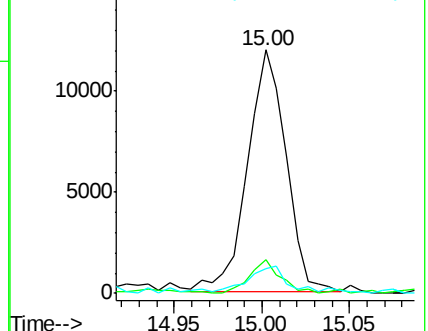
129 13.1 9.1 13.7



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: 1.188 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.01 min

Lab File: VR026076.D

Acq: 15 Oct 2018 16:24

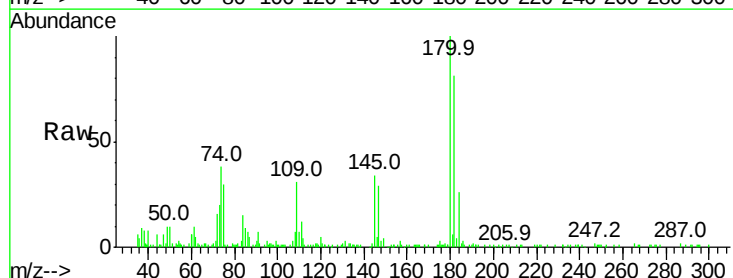
Tgt Ion:180 Resp: 16236

Ion Ratio Lower Upper

180 100

182 94.7 75.7 113.5

145 41.6 28.8 43.2



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

