

Data File : VR026216.D
Acq On : 9 Nov 2018 11:46
Operator : SY/MD
Sample : VSTD00182
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Quant Time: Nov 09 13:40:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 09 13:36:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	567511	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	476895	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	158994	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	44192	0.89	ug/L	0.00
7) Chloroethane-d5	2.62	69	43556	1.02	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.60	63	119537	0.98	ug/L	0.00
20) 2-Butanone-d5	6.59	46	33417	8.20	ug/L	0.00
24) Chloroform-d	7.20	84	78086	0.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	31086	0.95	ug/L	0.00
32) Benzene-d6	7.85	84	142372	0.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	37478	0.95	ug/L	0.00
41) Toluene-d8	9.97	98	125545	0.87	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	8189	0.79	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	20908	6.98	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	15468	1.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	24058	0.96	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	30583	0.802	ug/L #	80
3) Chloromethane	2.01	50	64942	1.073	ug/L	98
5) Vinyl chloride	2.16	62	64351	1.067	ug/L	94
6) Bromomethane	2.52	94	44016	1.105	ug/L	94
8) Chloroethane	2.66	64	41514	1.111	ug/L	98
9) Trichlorofluoromethane	2.93	101	81319	0.934	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	46888	0.903	ug/L #	83
12) 1,1-Dichloroethene	3.63	96	58581	1.062	ug/L	98
13) Acetone	3.70	43	42748	10.141	ug/L	99
14) Carbon disulfide	3.94	76	151611	1.051	ug/L	96
15) Methyl Acetate	4.20	43	11096	1.008	ug/L #	84
16) Methylene chloride	4.40	84	49039	0.980	ug/L	99
17) Methyl tert-butyl Ether	4.89	73	42932	0.857	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	40964	0.982	ug/L	97
19) 1,1-Dichloroethane	5.69	63	77914	0.994	ug/L	94
21) 2-Butanone	6.69	43	41390	8.511	ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	34668	0.878	ug/L #	79
23) Bromochloromethane	7.05	128	11850	1.070	ug/L	91
25) Chloroform	7.23	83	77853	1.018	ug/L	96
27) 1,2-Dichloroethane	7.99	62	34671	0.926	ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	61906	0.950	ug/L	98
30) Cyclohexane	7.51	56	44594	0.682	ug/L	96
31) Carbon tetrachloride	7.63	117	55026	0.929	ug/L	99
33) Benzene	7.91	78	168301	0.941	ug/L	100
34) Trichloroethene	8.71	95	42799	0.934	ug/L	96
35) Methylcyclohexane	8.95	83	43604	0.639	ug/L	91
37) 1,2-Dichloropropane	9.00	63	37646	0.997	ug/L #	95
38) Bromodichloromethane	9.28	83	39369	0.970	ug/L #	95
39) cis-1,3-Dichloropropene	9.72	75	34420	0.797	ug/L	97
40) 4-Methyl-2-pentanone	9.86	43	90138	7.818	ug/L	98

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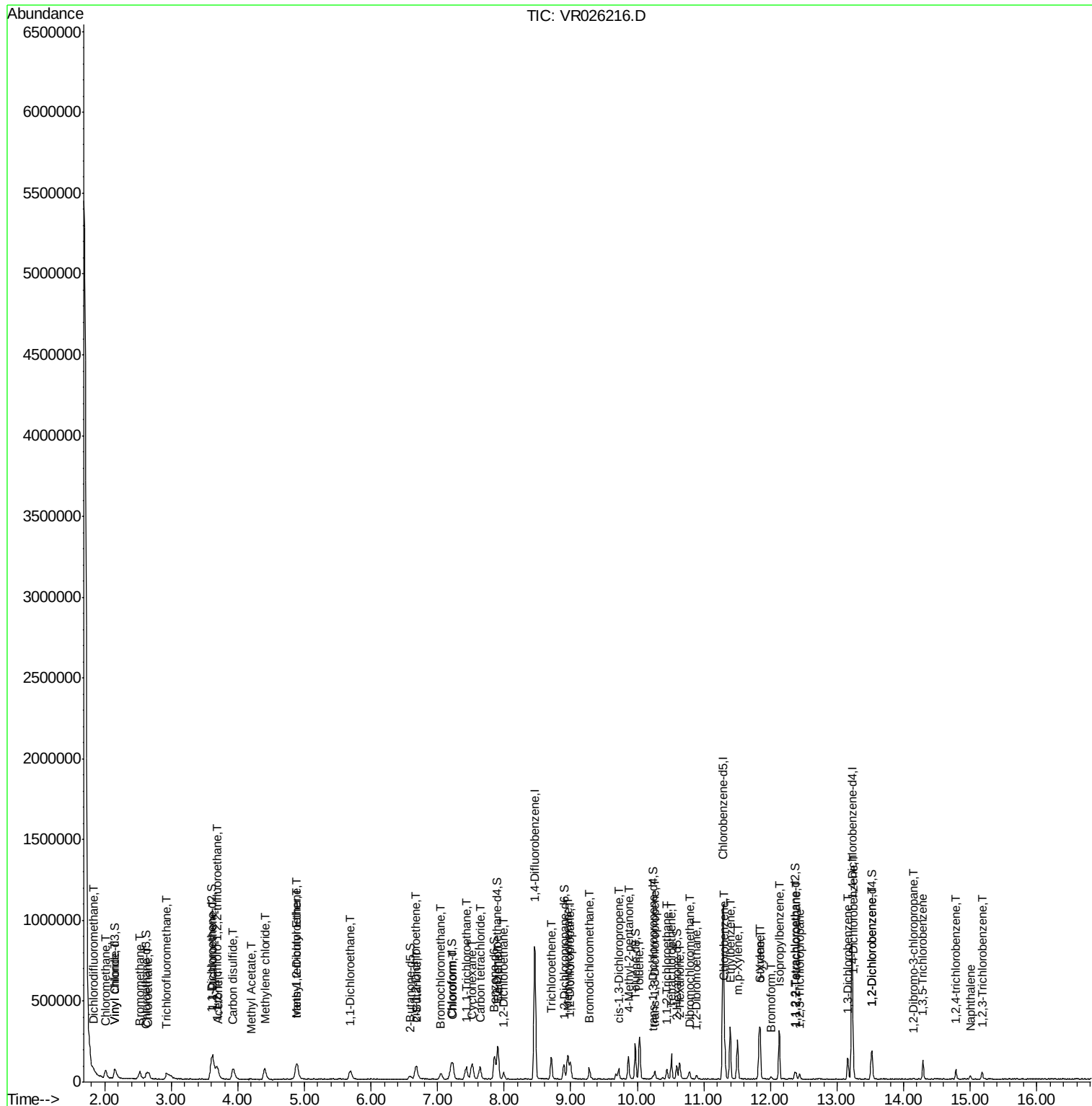
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	167330	0.886	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	23521	0.779	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	15685	0.985	ug/L	95
47) Tetrachloroethene	10.51	164	27294	0.835	ug/L	98
48) 2-Hexanone	10.63	43	61574	8.177	ug/L	97
49) Dibromochloromethane	10.79	129	17051	0.951	ug/L	81
50) 1,2-Dibromoethane	10.89	107	12666	0.921	ug/L	87
51) Chlorobenzene	11.32	112	96508	0.923	ug/L	96
52) Ethylbenzene	11.39	91	181993	0.838	ug/L	100
53) m,p-Xylene	11.50	106	65077	0.822	ug/L	93
54) o-Xylene	11.83	106	55385	0.763	ug/L	99
55) Styrene	11.84	104	90114	0.807	ug/L	98
56) Isopropylbenzene	12.13	105	151862	0.754	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	15261	0.943	ug/L	83
59) 1,2,3-Trichloropropane	12.43	75	11850	0.997	ug/L	95
61) Bromoform	12.01	173	6121	1.108	ug/L #	93
62) 1,3-Dichlorobenzene	13.16	146	42654	0.808	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	53687	0.981	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	39351	0.928	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.16	75	1523	0.882	ug/L	97
67) 1,3,5-Trichlorobenzene	14.29	180	27817	0.864	ug/L	96
68) 1,2,4-trichlorobenzene	14.79	180	14123	0.752	ug/L	97
69) Naphthalene	15.00	128	13118	0.719	ug/L #	90
70) 1,2,3-Trichlorobenzene	15.18	180	10347	0.793	ug/L	94

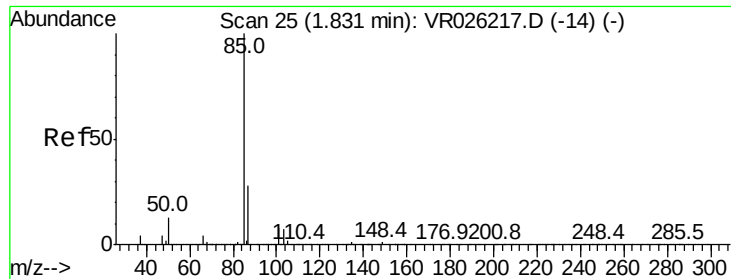
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.802 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.01 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Instrument :

MSVOA_R

ClientSampleId :

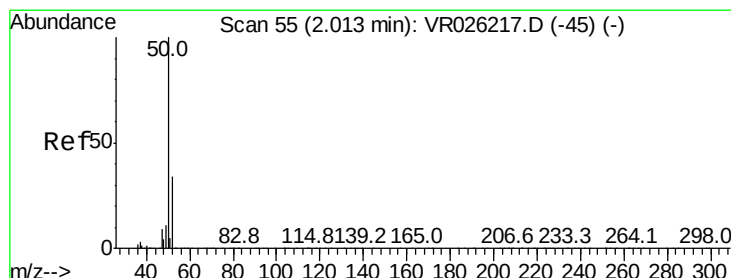
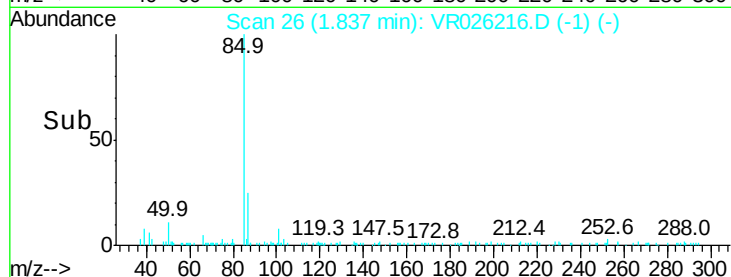
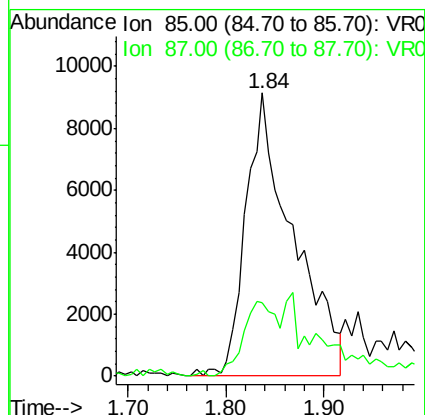
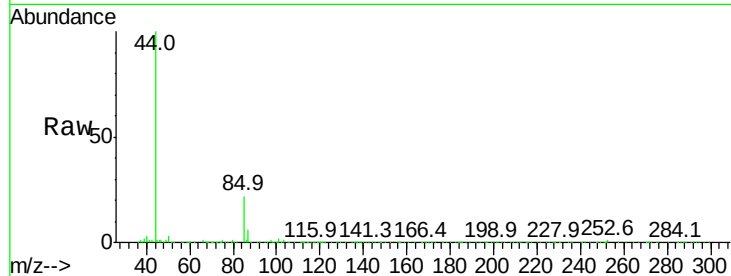
VSTD00182

Tgt Ion: 85 Resp: 30583

Ion Ratio Lower Upper

85 100

87 18.8 23.4 35.2#



#3

Chloromethane

Concen: 1.073 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.00 min

Lab File: VR026216.D

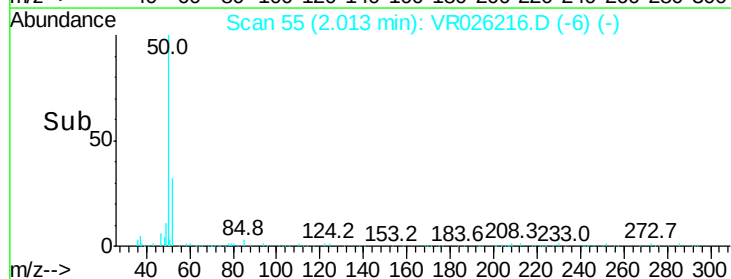
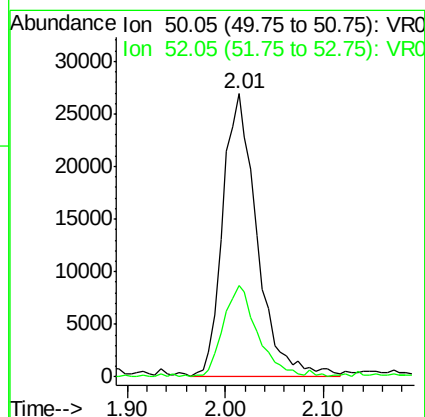
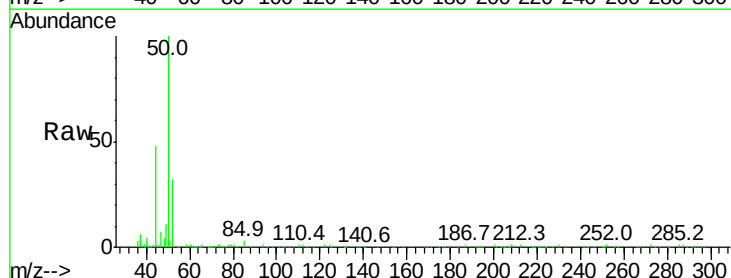
Acq: 9 Nov 2018 11:46

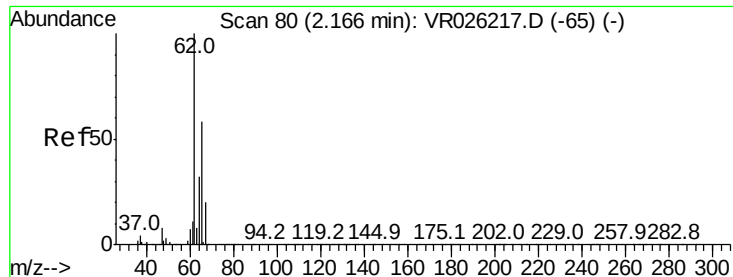
Tgt Ion: 50 Resp: 64942

Ion Ratio Lower Upper

50 100

52 32.1 23.4 43.6





#5

Vinyl chloride

Concen: 1.067 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.01 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Instrument :

MSVOA_R

ClientSampleId :

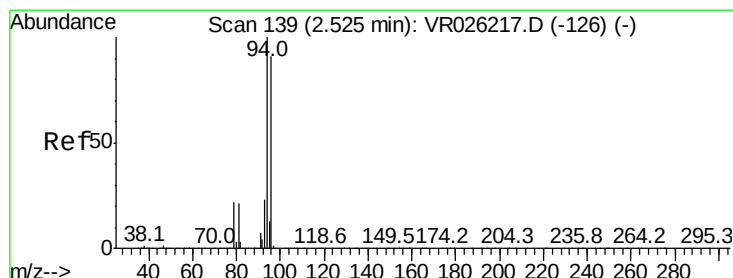
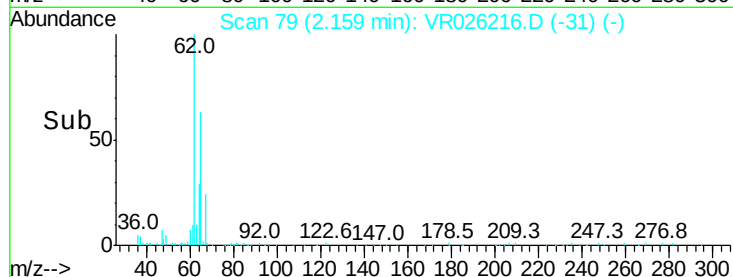
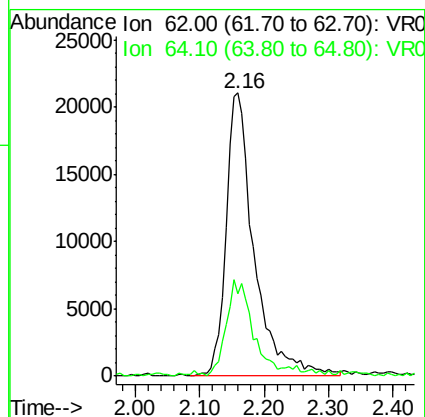
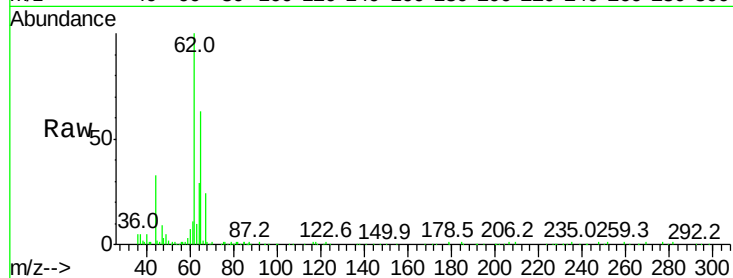
VSTD00182

Tgt Ion: 62 Resp: 64351

Ion Ratio Lower Upper

62 100

64 28.9 22.5 41.7



#6

Bromomethane

Concen: 1.105 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.00 min

Lab File: VR026216.D

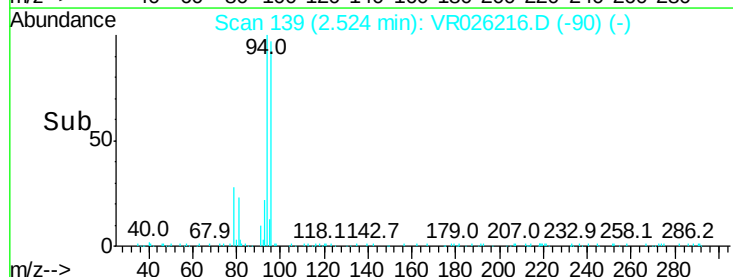
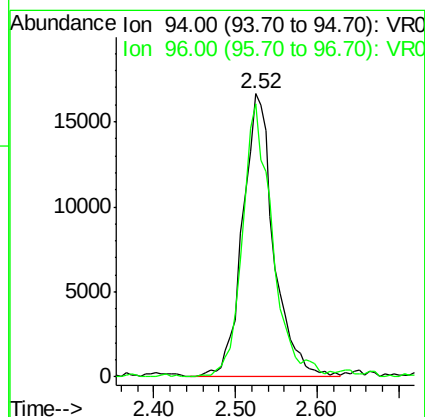
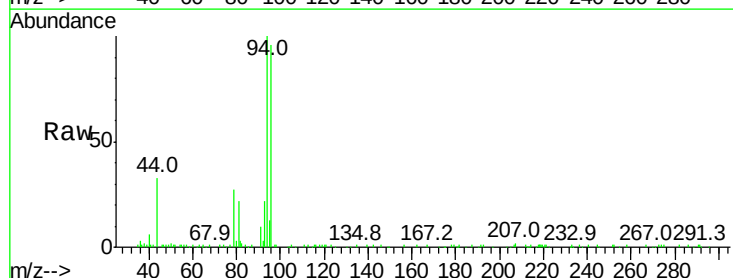
Acq: 9 Nov 2018 11:46

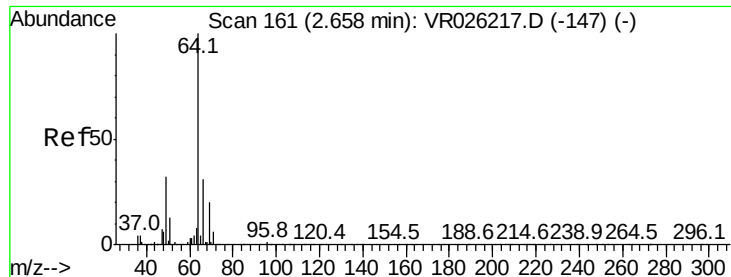
Tgt Ion: 94 Resp: 44016

Ion Ratio Lower Upper

94 100

96 96.4 63.4 117.8

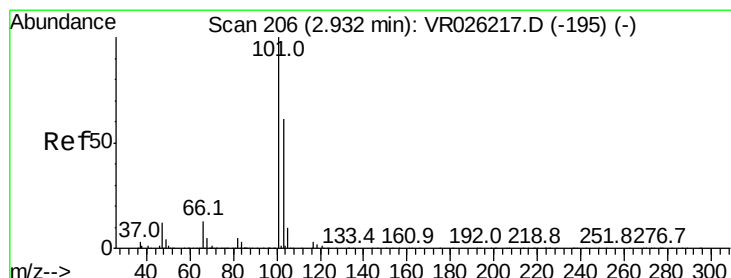
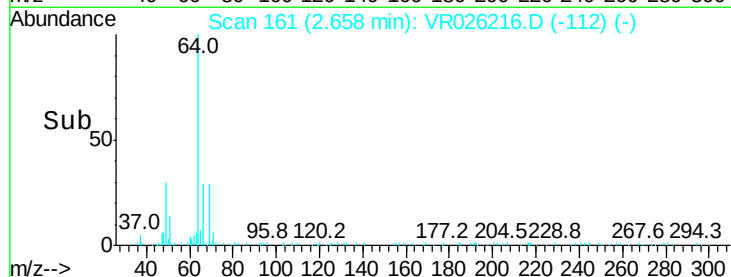
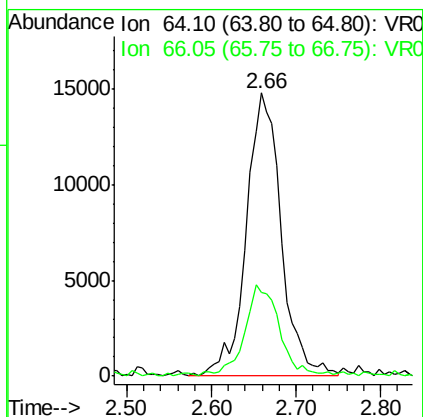
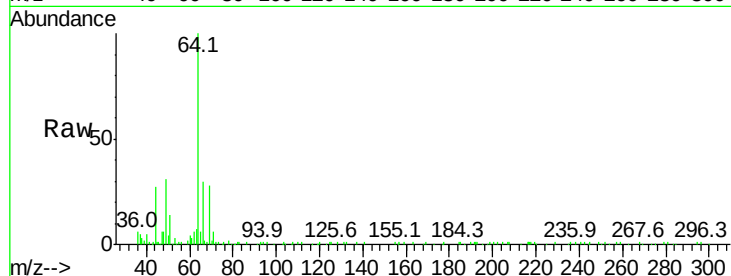




#8
Chloroethane
Concen: 1.111 ug/L
RT: 2.66 min Scan# 161
Delta R.T. -0.00 min
Lab File: VR026216.D
Acq: 9 Nov 2018 11:46

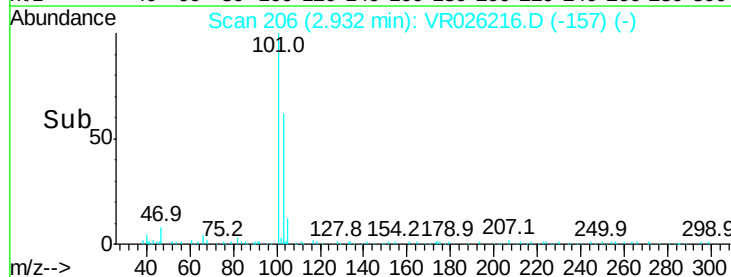
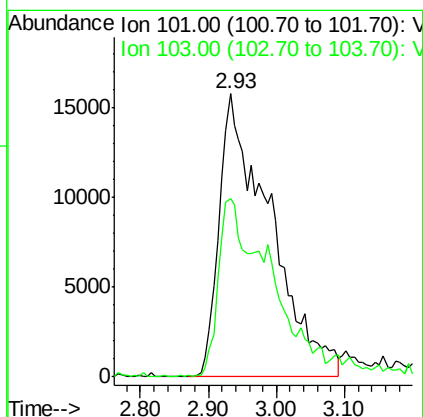
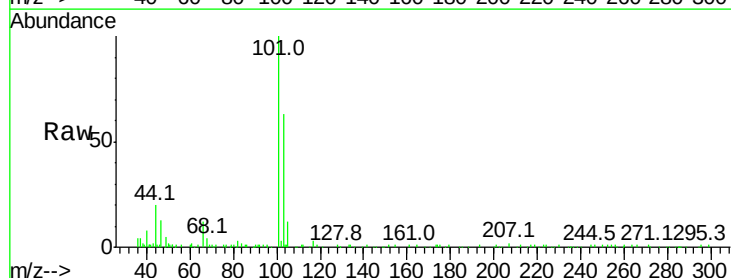
Instrument :
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ClientSampleId :
VSTD00182

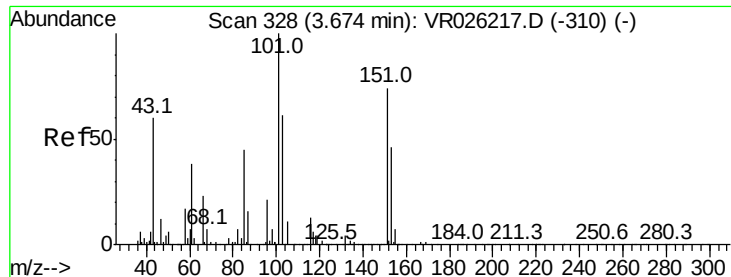
Tgt Ion: 64 Resp: 41514
Ion Ratio Lower Upper
64 100
66 29.5 21.4 39.8



#9
Trichlorofluoromethane
Concen: 0.934 ug/L
RT: 2.93 min Scan# 206
Delta R.T. -0.00 min
Lab File: VR026216.D
Acq: 9 Nov 2018 11:46

Tgt Ion: 101 Resp: 81319
Ion Ratio Lower Upper
101 100
103 58.6 25.8 38.8#





#10

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

Concen: 0.903 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.01 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

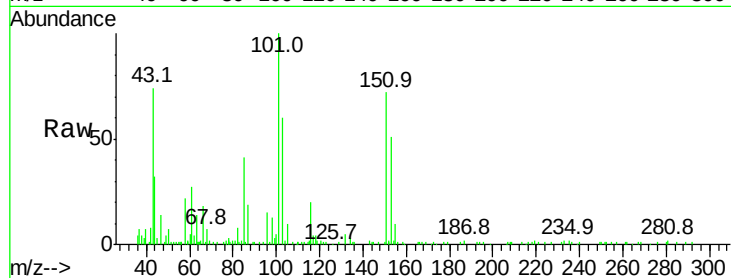
Tgt Ion: 101 Resp: 46888

Ion Ratio Lower Upper

101 100

85 23.5 37.9 56.9#

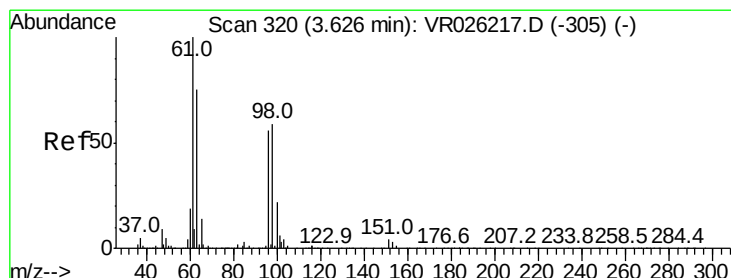
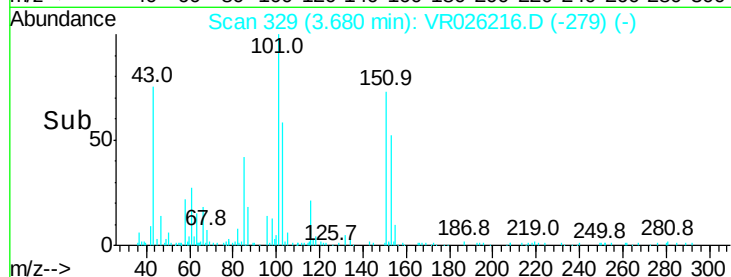
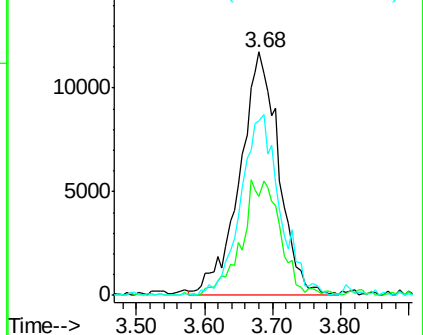
151 74.0 63.2 94.8



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: 1.062 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.00 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

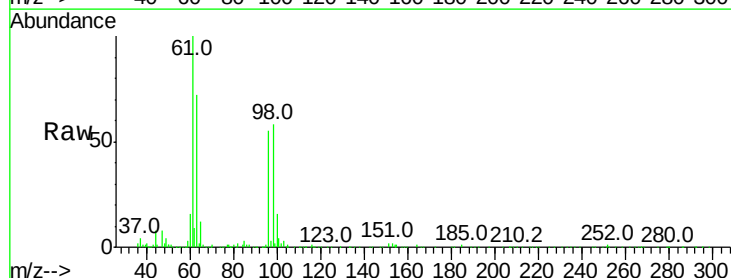
Tgt Ion: 96 Resp: 58581

Ion Ratio Lower Upper

96 100

61 182.0 125.5 233.1

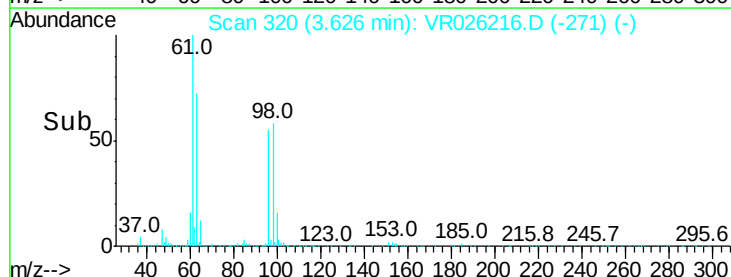
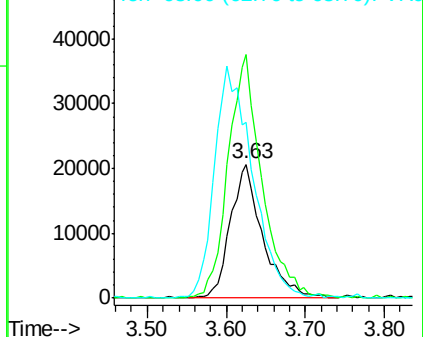
63 131.6 93.7 174.1

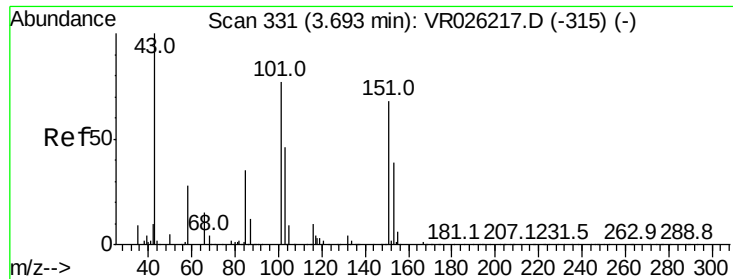


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

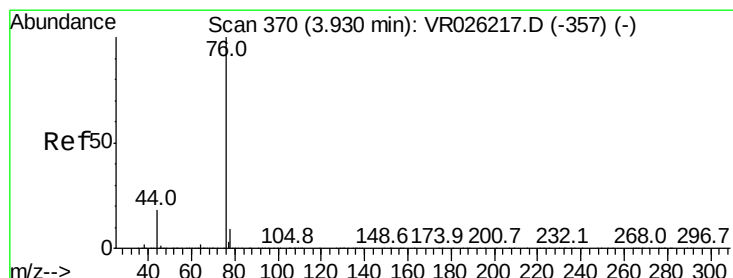
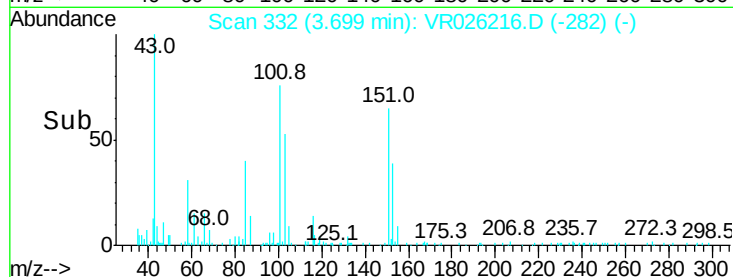
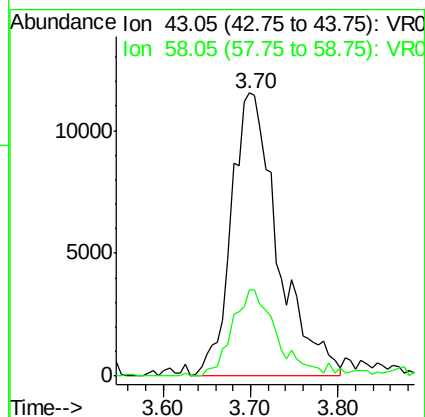
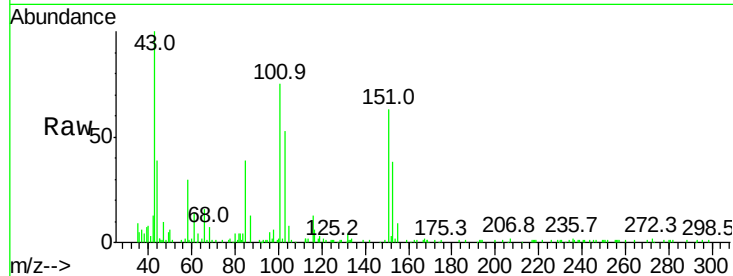




#13
Acetone
Concen: 10.141 ug/L
RT: 3.70 min Scan# 332
Delta R.T. 0.01 min
Lab File: VR026216.D
Acq: 9 Nov 2018 11:46

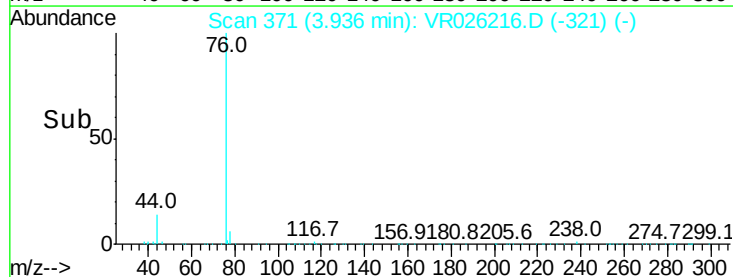
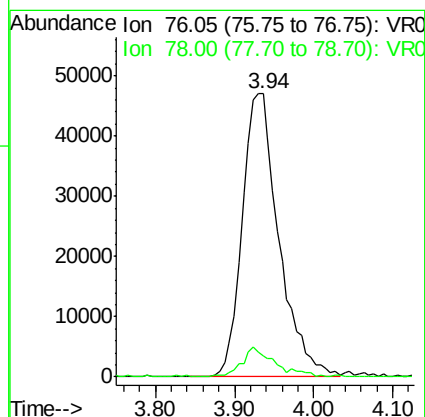
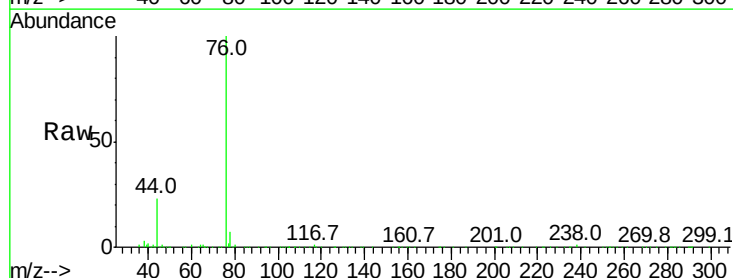
Instrument :
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ClientSampled :
VSTD00182

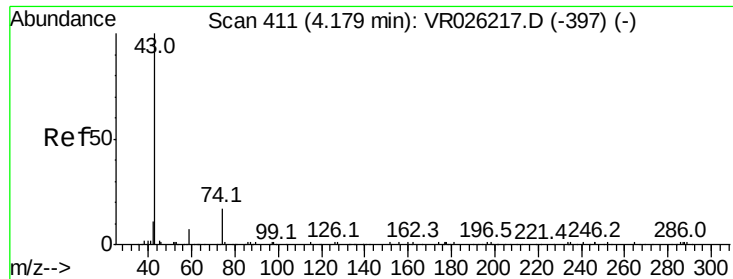
Tgt Ion: 43 Resp: 42748
Ion Ratio Lower Upper
43 100
58 28.7 0.0 58.6



#14
Carbon disulfide
Concen: 1.051 ug/L
RT: 3.94 min Scan# 371
Delta R.T. 0.01 min
Lab File: VR026216.D
Acq: 9 Nov 2018 11:46

Tgt Ion: 76 Resp: 151611
Ion Ratio Lower Upper
76 100
78 7.2 7.0 10.6





#15

Methyl Acetate

Concen: 1.008 ug/L

RT: 4.20 min Scan# 414

Delta R.T. 0.02 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Instrument :

MSVOA_R

ClientSampleId :

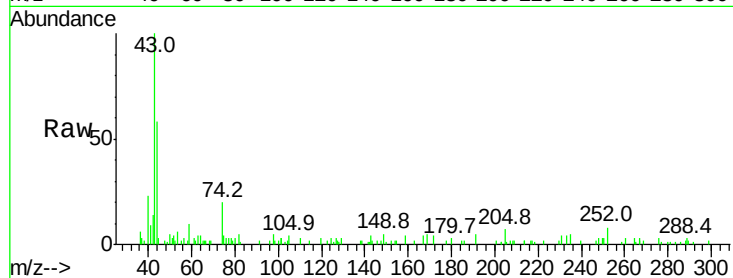
VSTD00182

Tgt Ion: 43 Resp: 11096

Ion Ratio Lower Upper

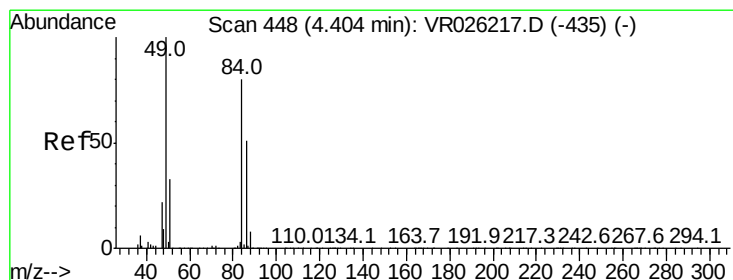
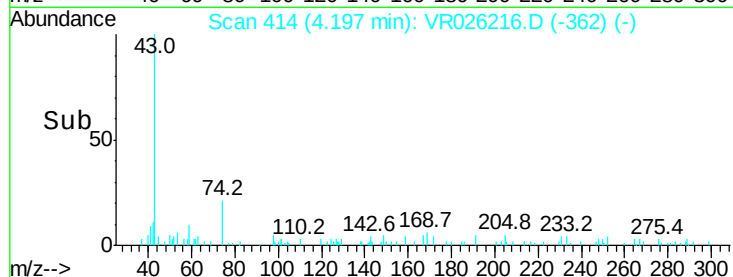
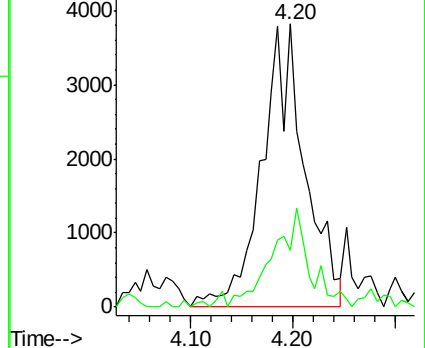
43 100

74 29.7 17.8 26.6#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 0.980 ug/L

RT: 4.40 min Scan# 447

Delta R.T. -0.01 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

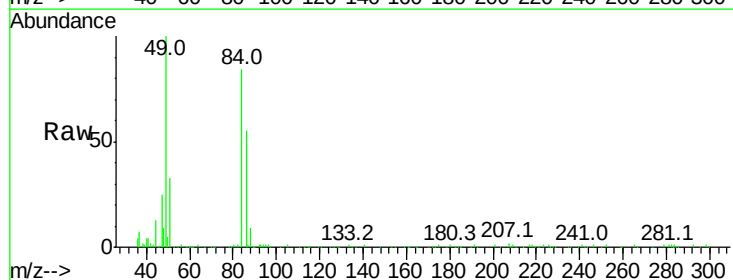
Tgt Ion: 84 Resp: 49039

Ion Ratio Lower Upper

84 100

86 65.3 45.1 83.9

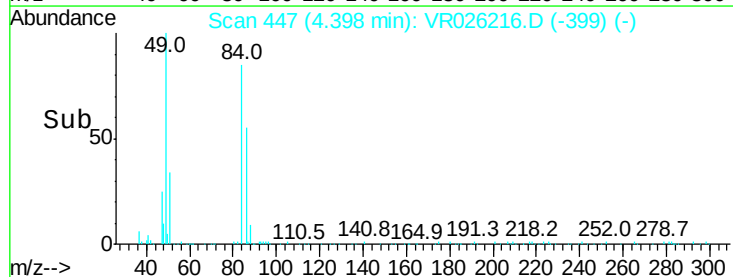
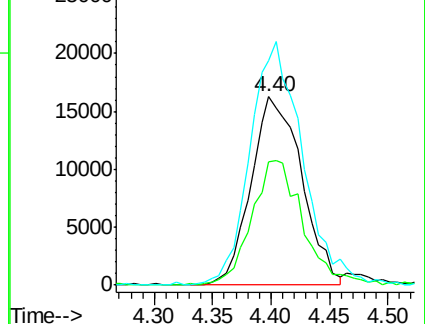
49 125.3 87.9 163.3

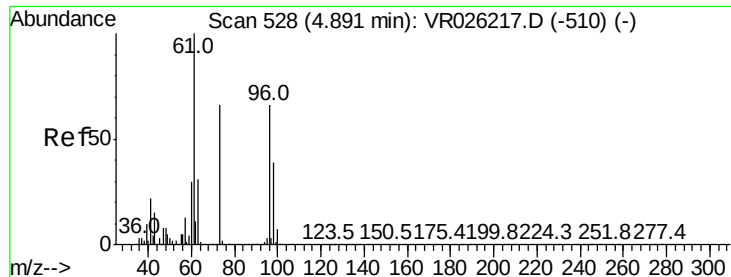


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

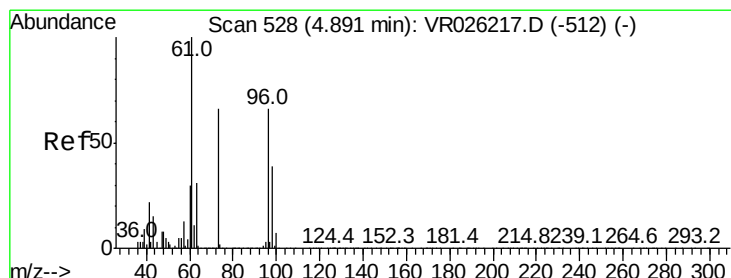
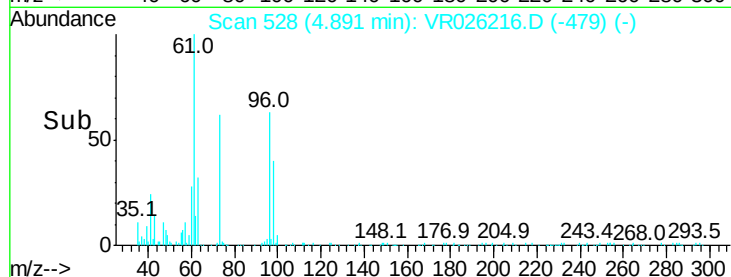
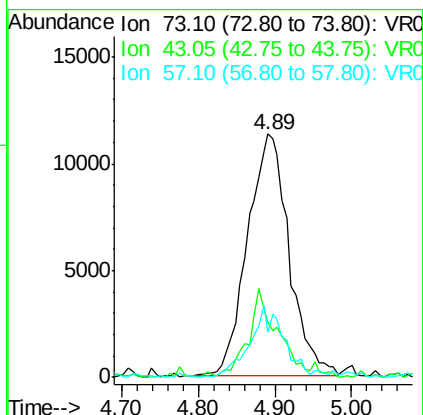
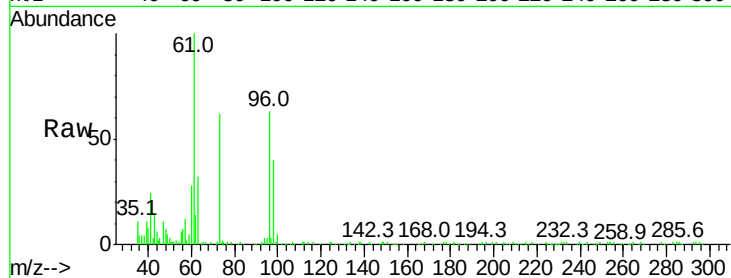




#17
Methyl tert-butyl Ether
Concen: 0.857 ug/L
RT: 4.89 min Scan# 528
Delta R.T. -0.00 min
Lab File: VR026216.D
Acq: 9 Nov 2018 11:46

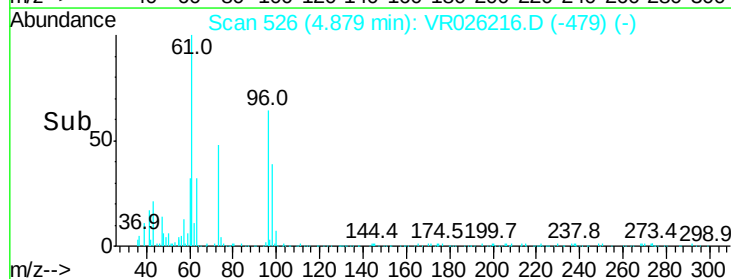
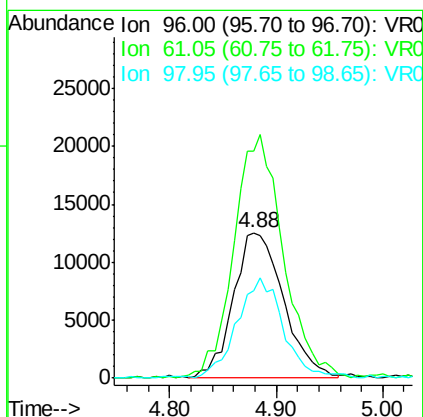
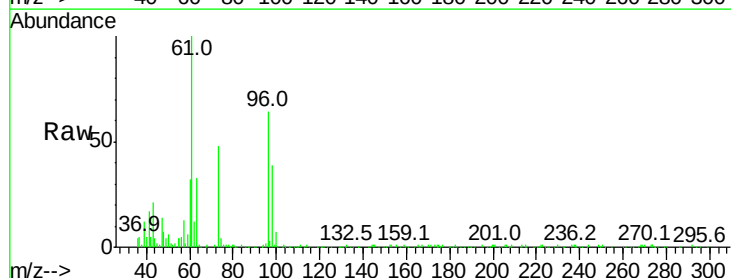
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

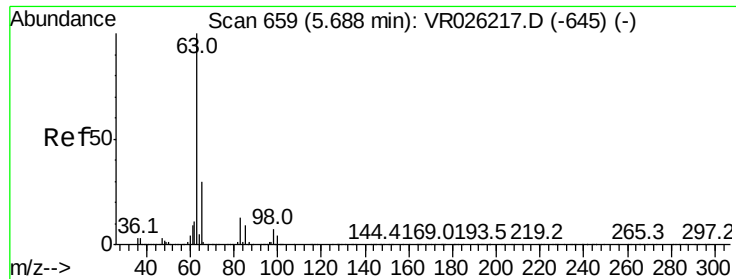
Tgt Ion: 73 Resp: 42932
Ion Ratio Lower Upper
73 100
43 24.3 19.1 28.7
57 23.7 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 0.982 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026216.D
Acq: 9 Nov 2018 11:46

Tgt Ion: 96 Resp: 40964
Ion Ratio Lower Upper
96 100
61 155.7 105.6 196.2
98 60.0 41.5 77.1





#19

1,1-Dichloroethane

Concen: 0.994 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.01 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

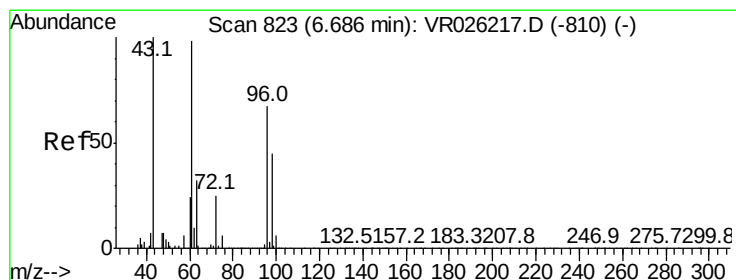
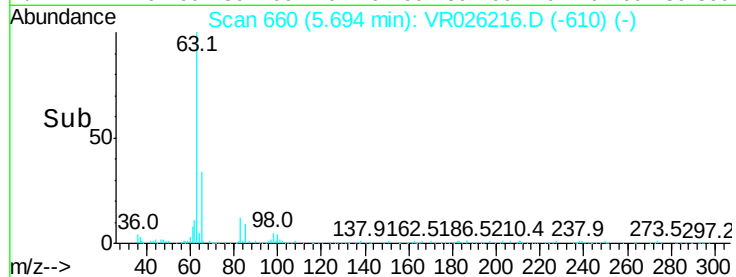
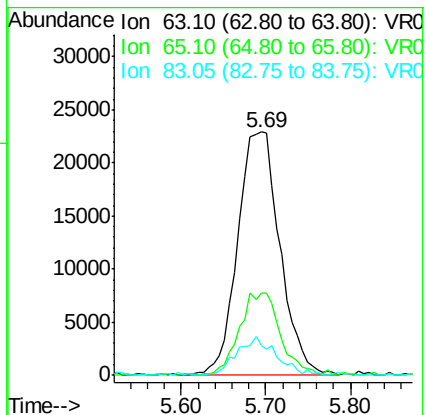
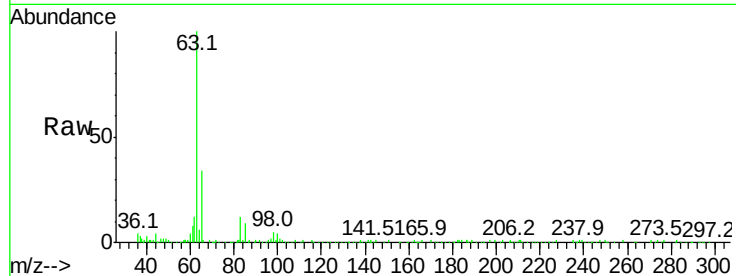
Tgt Ion: 63 Resp: 77914

Ion Ratio Lower Upper

63 100

65 33.8 20.9 38.7

83 12.4 9.1 16.9



#21

2-Butanone

Concen: 8.511 ug/L

RT: 6.69 min Scan# 824

Delta R.T. 0.01 min

Lab File: VR026216.D

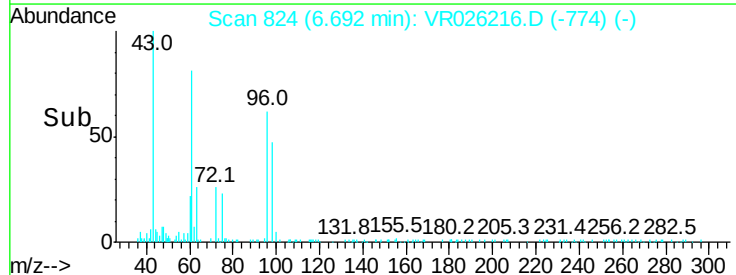
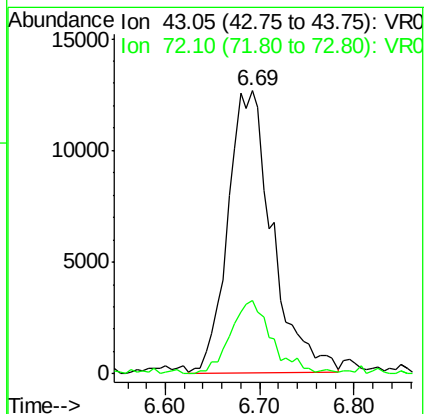
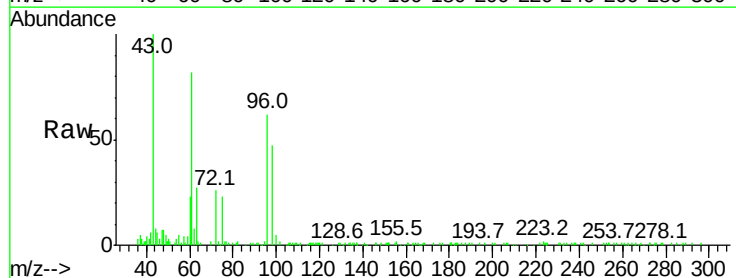
Acq: 9 Nov 2018 11:46

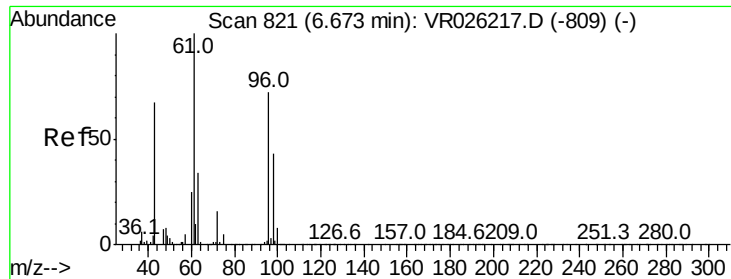
Tgt Ion: 43 Resp: 41390

Ion Ratio Lower Upper

43 100

72 24.0 11.9 35.9



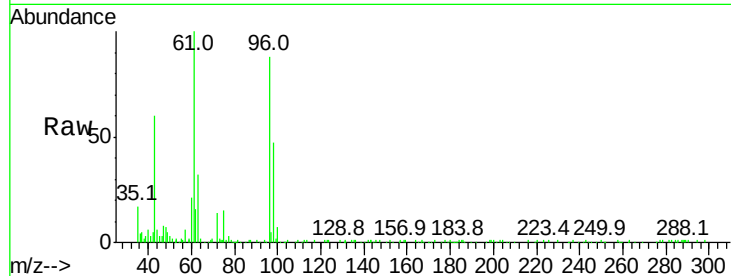


#22

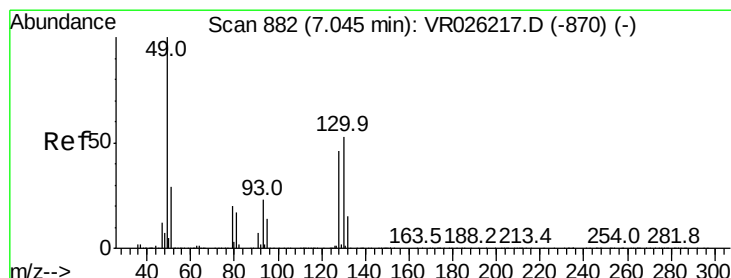
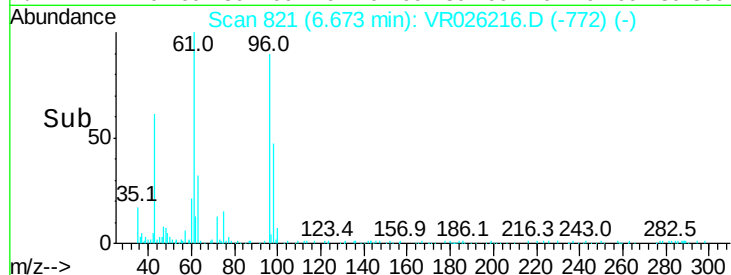
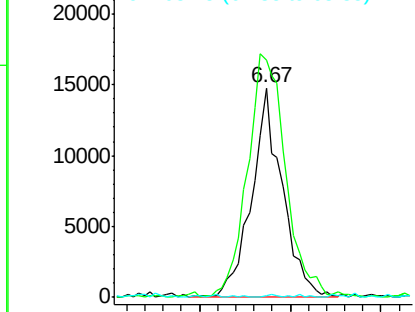
cis-1,2-Dichloroethene
Concen: 0.878 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR026216.D
Acq: 9 Nov 2018 11:46

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Tgt Ion: 96 Resp: 34668
Ion Ratio Lower Upper
96 100
61 113.1 97.4 180.8
68 0.7 0.1 0.3#



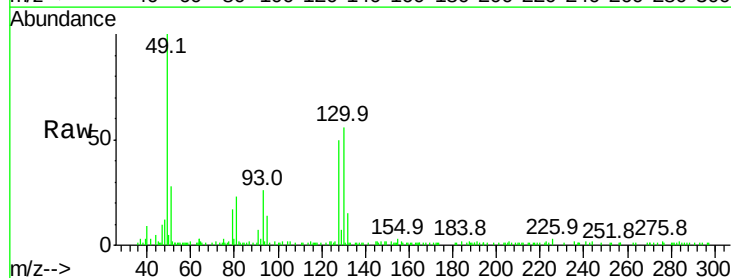
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



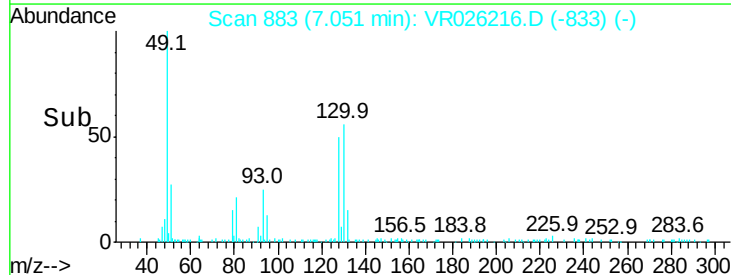
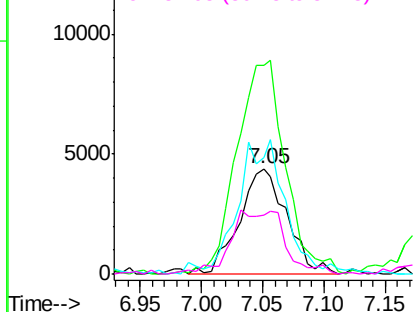
#23

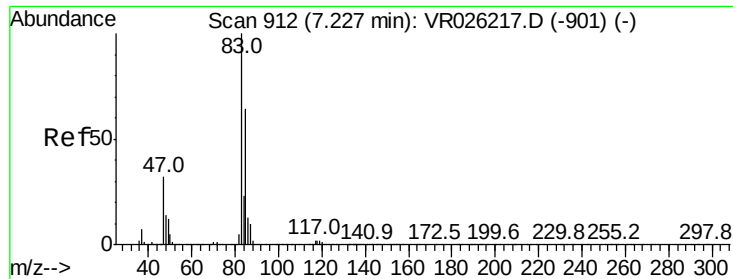
Bromochloromethane
Concen: 1.070 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.01 min
Lab File: VR026216.D
Acq: 9 Nov 2018 11:46

Tgt Ion: 128 Resp: 11850
Ion Ratio Lower Upper
128 100
49 198.6 151.1 280.5
130 111.0 80.5 149.5
51 55.8 50.6 75.8



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: 1.018 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.01 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Instrument :

MSVOA_R

ClientSampleId :

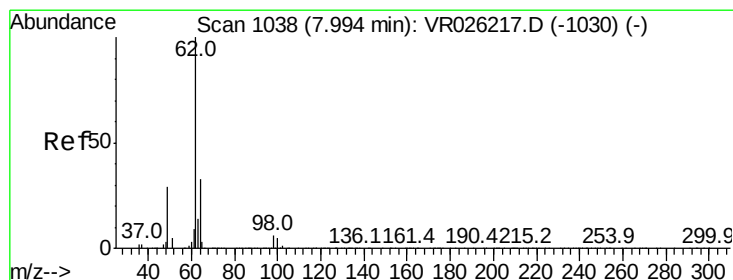
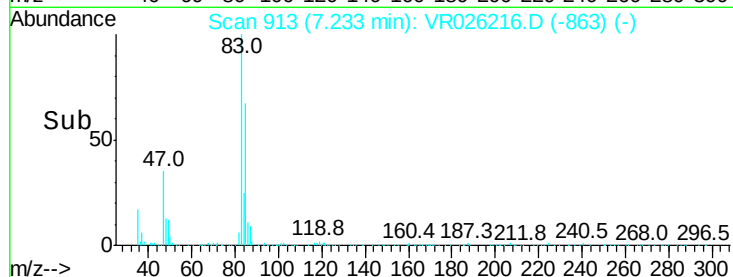
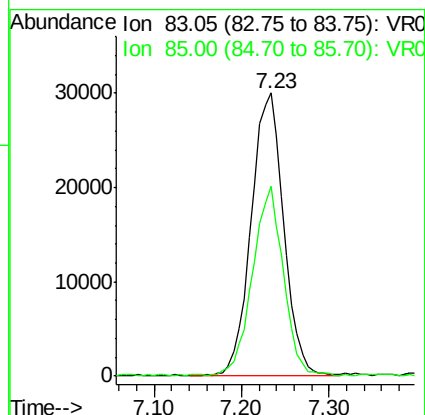
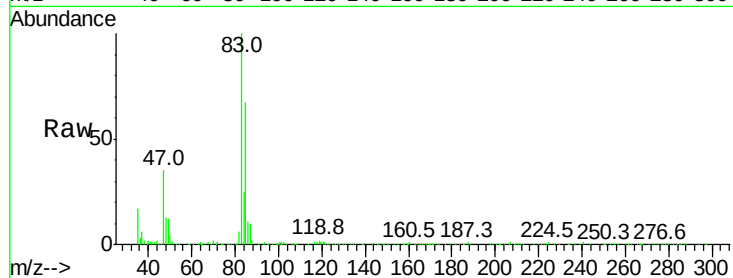
VSTD00182

Tgt Ion: 83 Resp: 77853

Ion Ratio Lower Upper

83 100

85 67.0 44.8 83.2



#27

1,2-Dichloroethane

Concen: 0.926 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VR026216.D

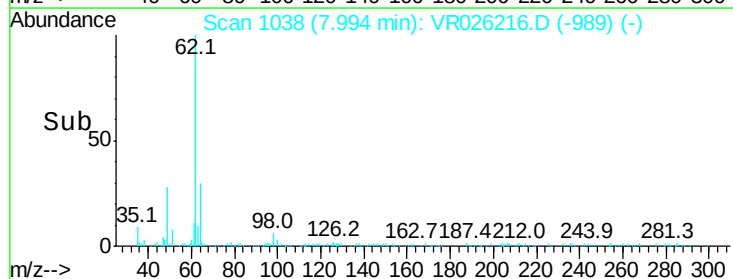
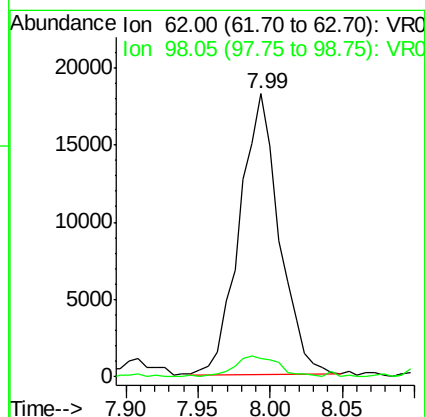
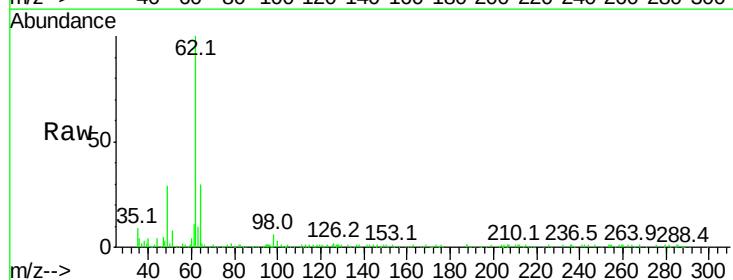
Acq: 9 Nov 2018 11:46

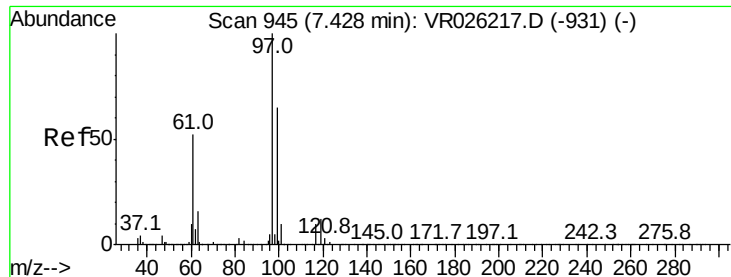
Tgt Ion: 62 Resp: 34671

Ion Ratio Lower Upper

62 100

98 6.4 5.0 7.6

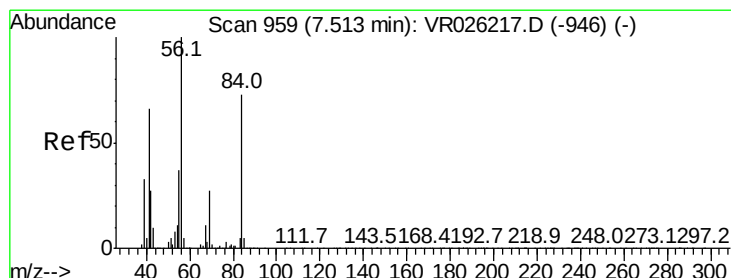
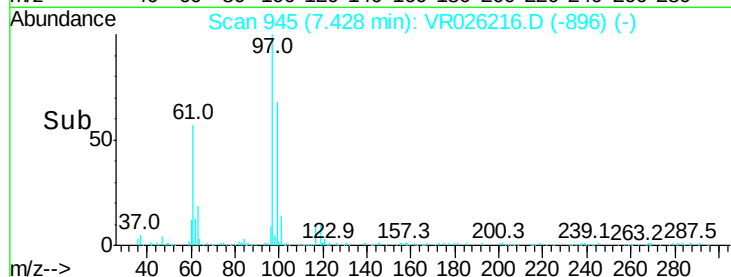
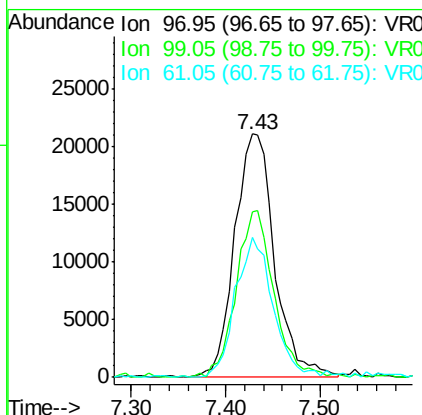
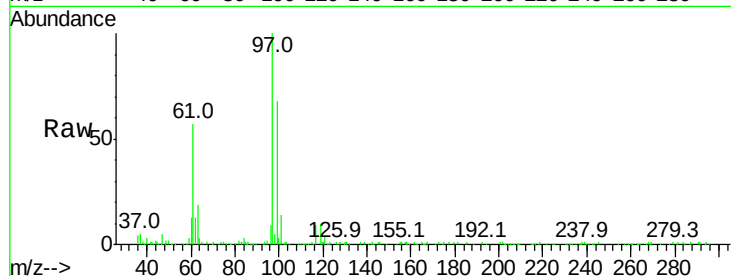




#29
 1,1,1-Trichloroethane
 Concen: 0.950 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VR026216.D
 Acq: 9 Nov 2018 11:46

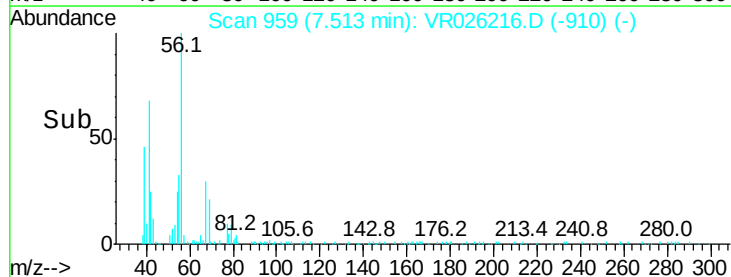
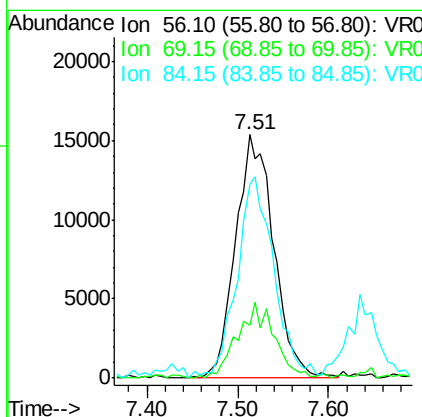
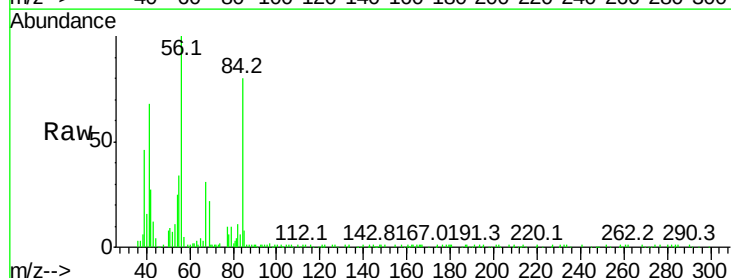
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

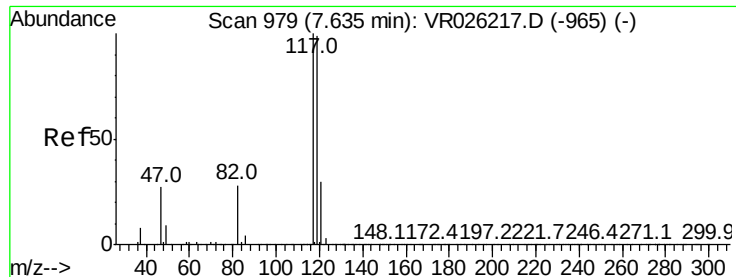
Tgt Ion: 97 Resp: 61906
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.2 78.2
 61 53.8 41.6 62.4



#30
 Cyclohexane
 Concen: 0.682 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. -0.00 min
 Lab File: VR026216.D
 Acq: 9 Nov 2018 11:46

Tgt Ion: 56 Resp: 44594
 Ion Ratio Lower Upper
 56 100
 69 30.0 23.0 34.6
 84 79.8 60.8 91.2





#31

Carbon tetrachloride

Concen: 0.929 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Instrument :

MSVOA_R

ClientSampleId :

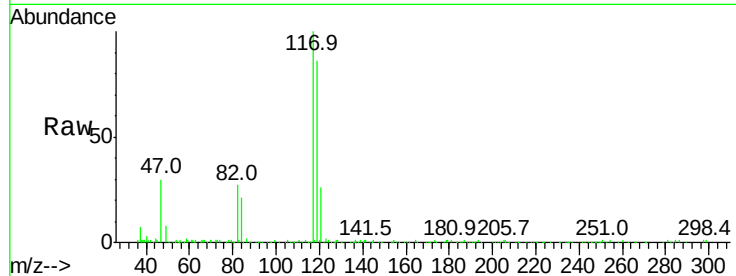
VSTD00182

Tgt Ion:117 Resp: 55026

Ion Ratio Lower Upper

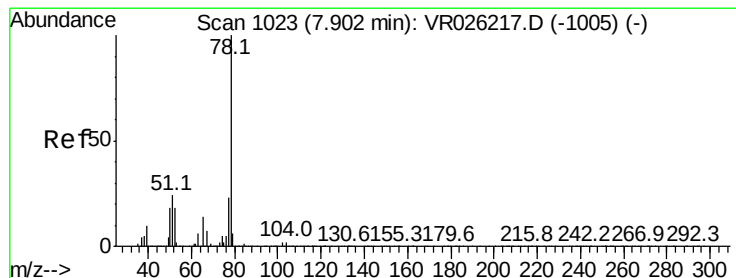
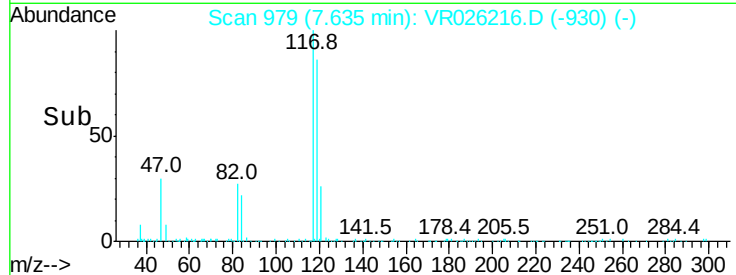
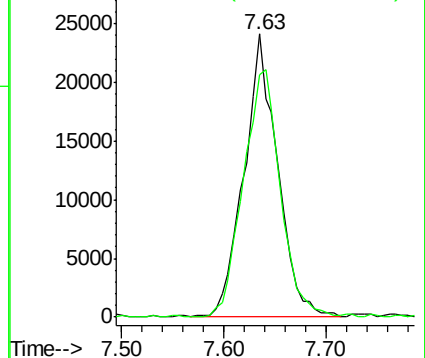
117 100

119 97.2 76.7 115.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.941 ug/L

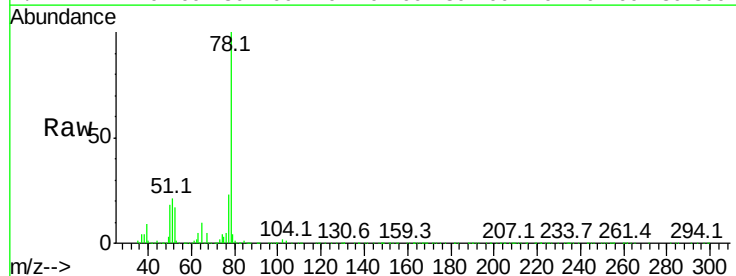
RT: 7.91 min Scan# 1024

Delta R.T. 0.01 min

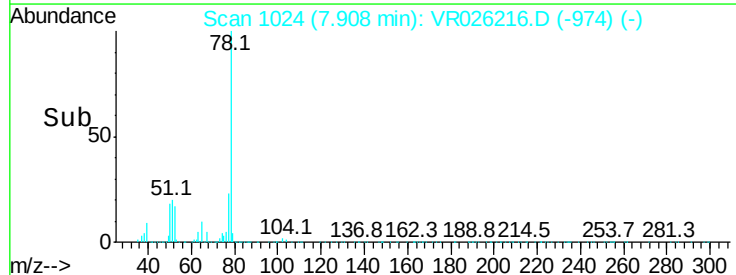
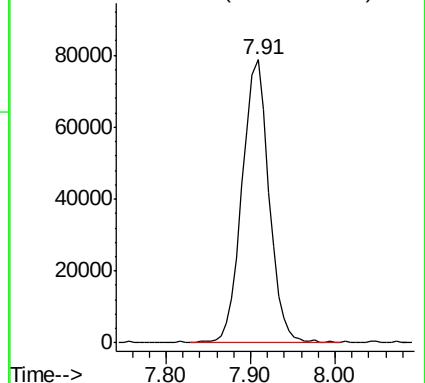
Lab File: VR026216.D

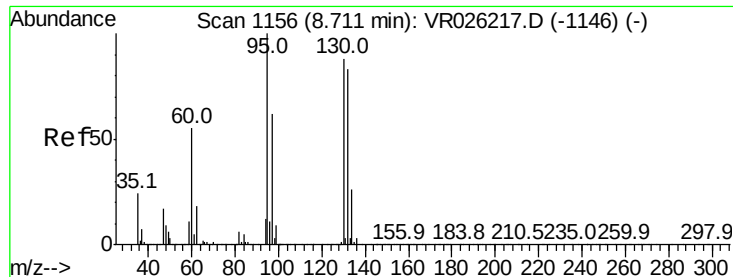
Acq: 9 Nov 2018 11:46

Tgt Ion: 78 Resp: 168301



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 0.934 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

Tgt Ion: 95 Resp: 42799

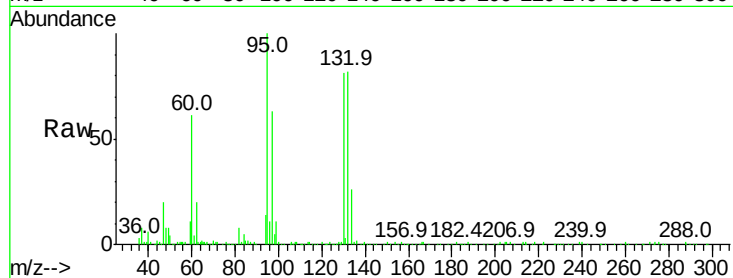
Ion Ratio Lower Upper

95 100

97 63.4 43.5 80.7

132 81.9 58.0 107.6

130 80.7 61.5 114.3

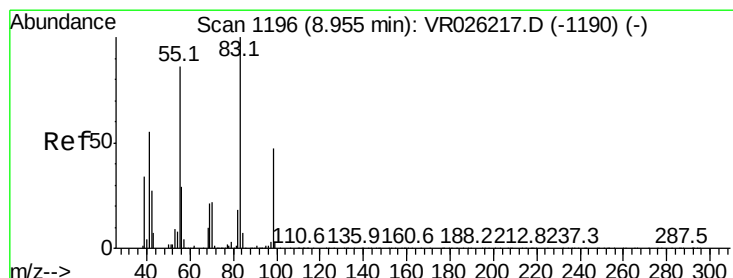
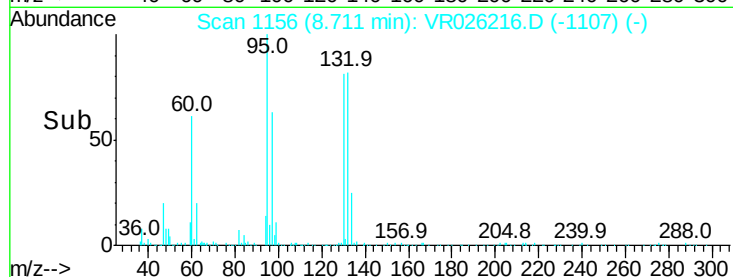
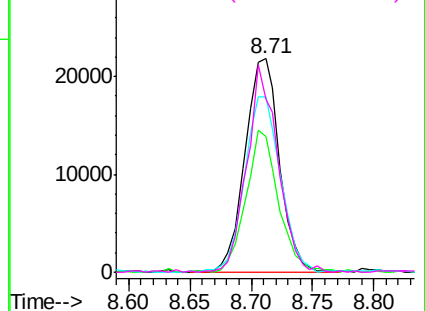


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.639 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

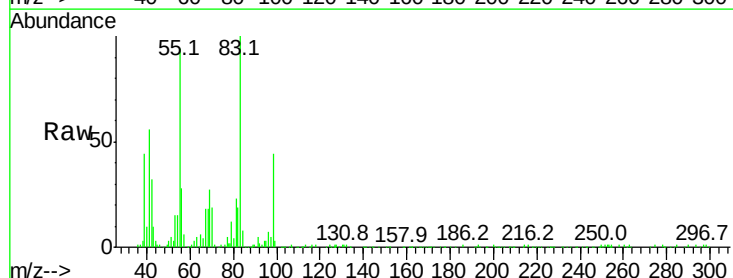
Tgt Ion: 83 Resp: 43604

Ion Ratio Lower Upper

83 100

55 96.9 67.9 101.9

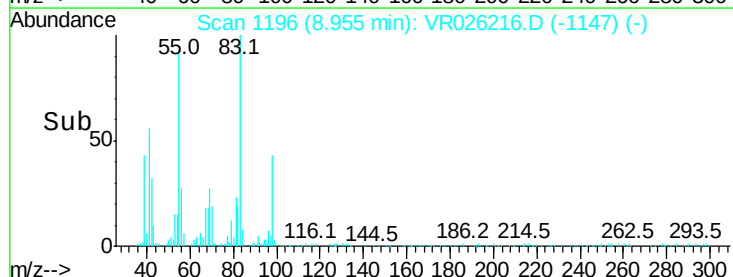
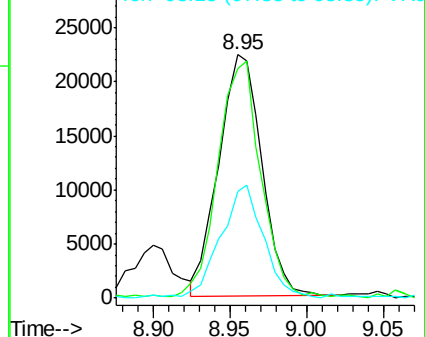
98 45.7 35.8 53.6

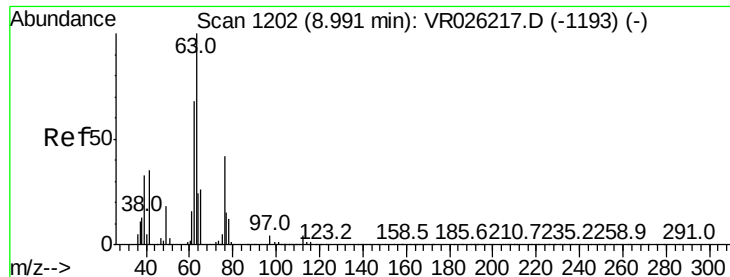


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.997 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Instrument :

MSVOA_R

ClientSampleId :

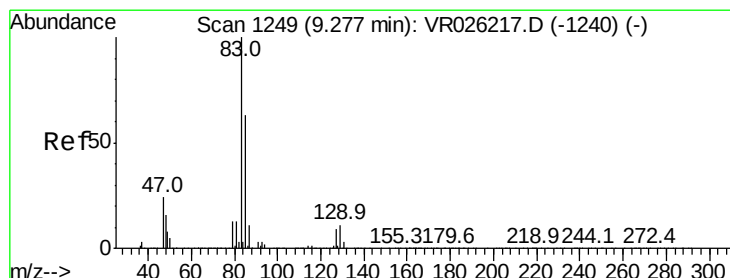
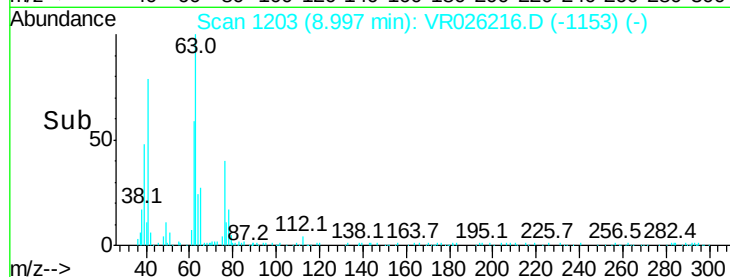
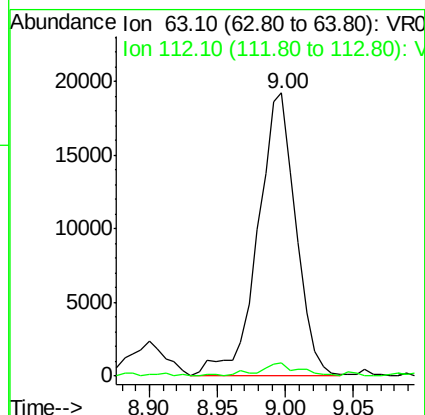
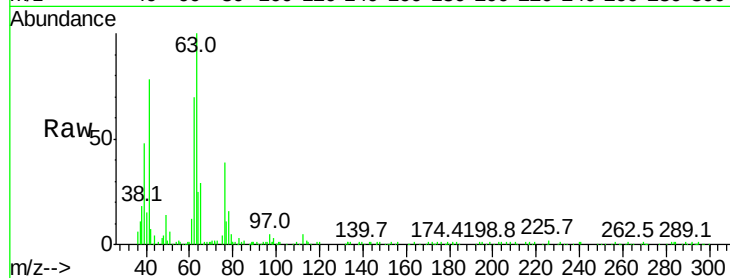
VSTD00182

Tgt Ion: 63 Resp: 37646

Ion Ratio Lower Upper

63 100

112 5.1 2.8 4.2#



#38

Bromodichloromethane

Concen: 0.970 ug/L

RT: 9.28 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

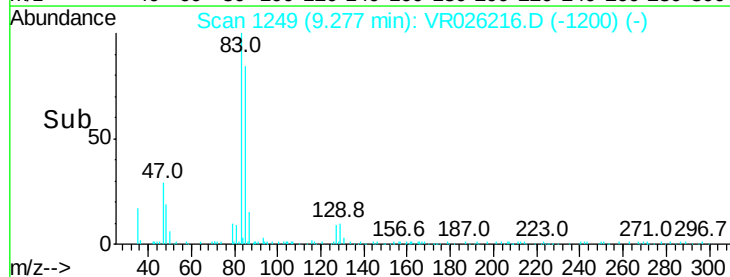
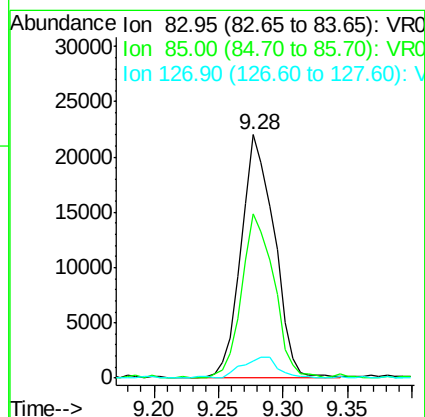
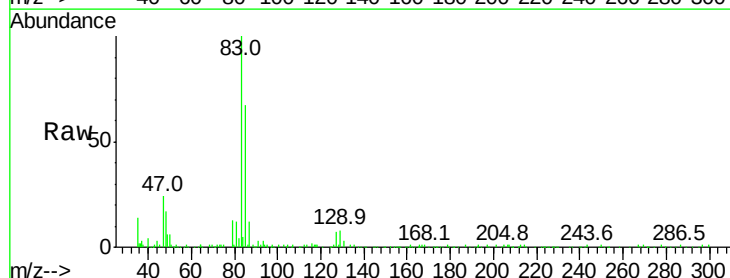
Tgt Ion: 83 Resp: 39369

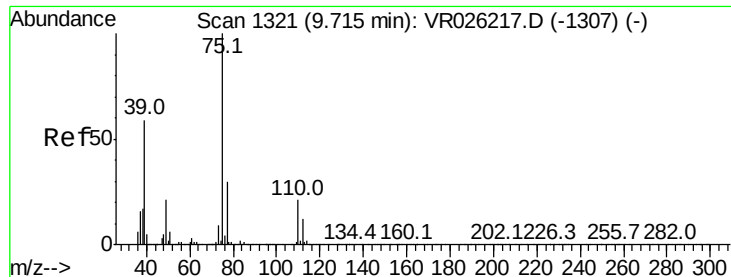
Ion Ratio Lower Upper

83 100

85 67.5 44.4 82.4

127 6.9 6.9 10.3#

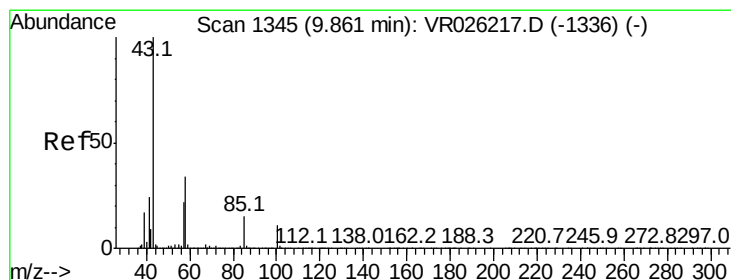
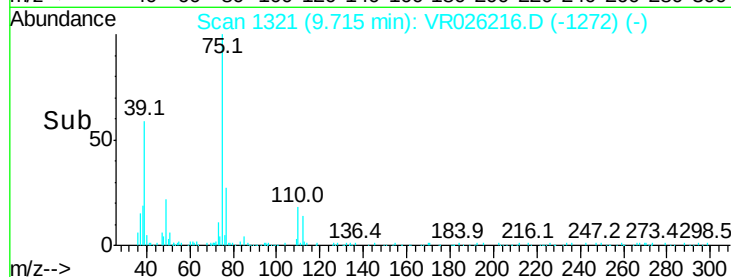
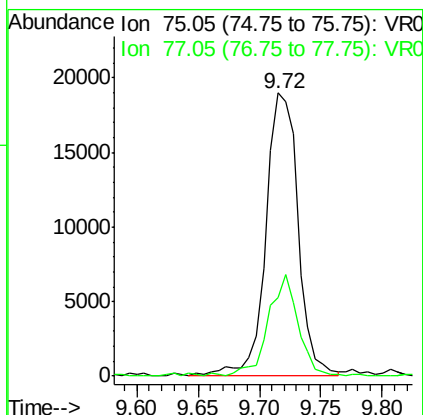
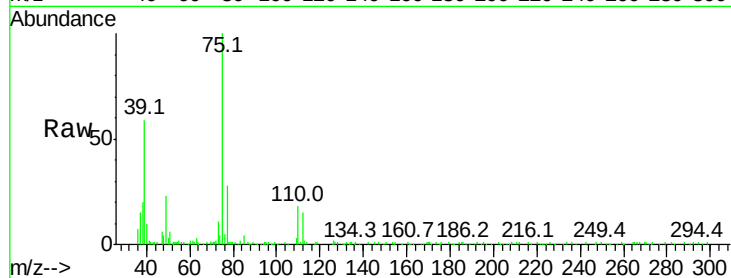




#39
 cis-1,3-Dichloropropene
 Concen: 0.797 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VR026216.D
 Acq: 9 Nov 2018 11:46

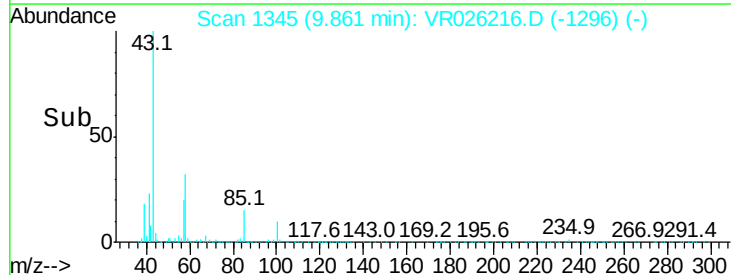
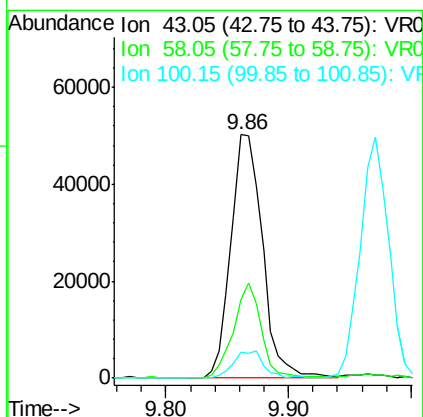
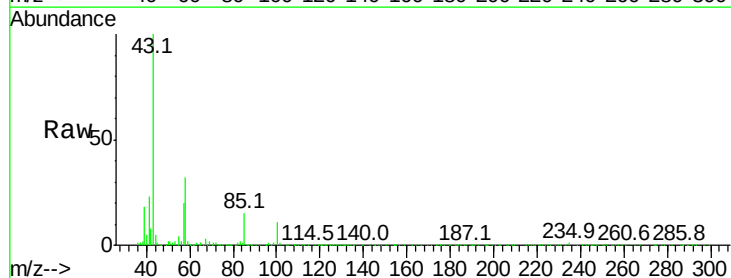
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

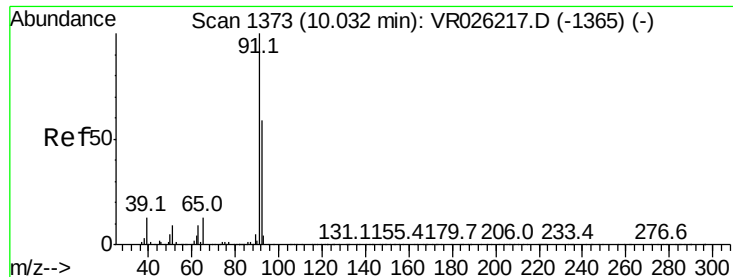
Tgt Ion: 75 Resp: 34420
 Ion Ratio Lower Upper
 75 100
 77 28.0 20.7 38.5



#40
 4-Methyl-2-pentanone
 Concen: 7.818 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VR026216.D
 Acq: 9 Nov 2018 11:46

Tgt Ion: 43 Resp: 90138
 Ion Ratio Lower Upper
 43 100
 58 34.3 27.8 41.6
 100 10.2 9.4 14.2





#42

Toluene

Concen: 0.886 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Instrument :

MSVOA_R

ClientSampleId :

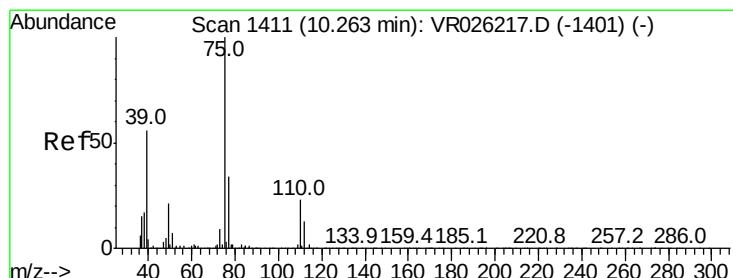
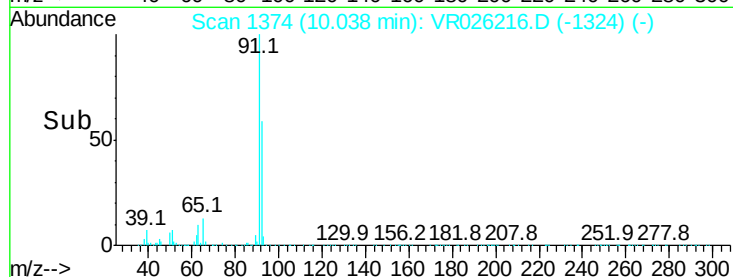
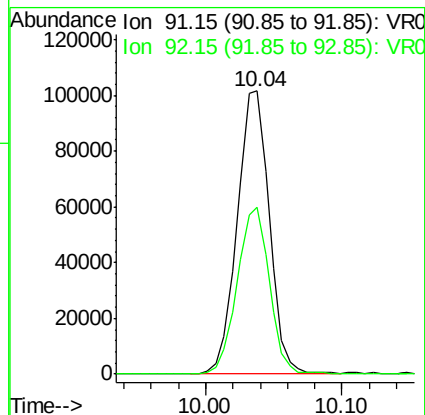
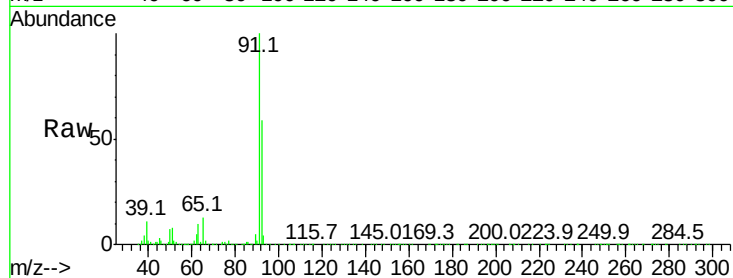
VSTD00182

Tgt Ion: 91 Resp: 167330

Ion Ratio Lower Upper

91 100

92 58.8 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 0.779 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026216.D

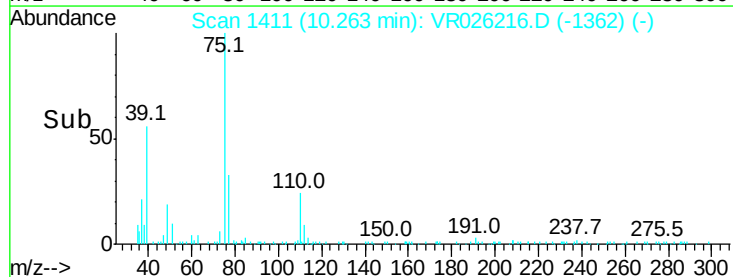
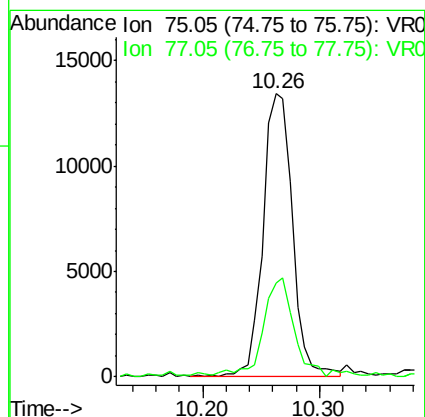
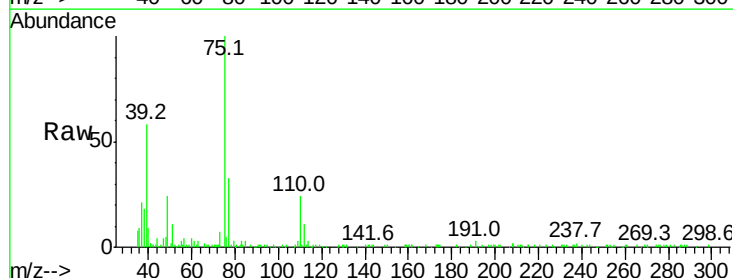
Acq: 9 Nov 2018 11:46

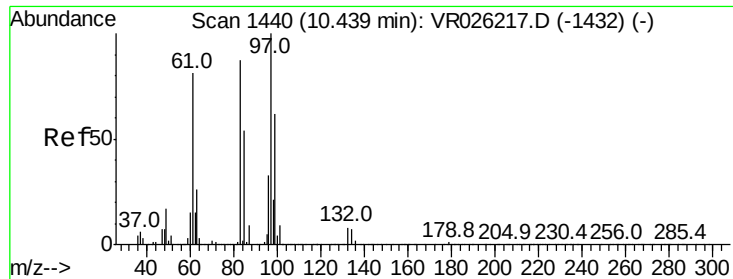
Tgt Ion: 75 Resp: 23521

Ion Ratio Lower Upper

75 100

77 33.2 23.7 44.1





#45

1,1,2-Trichloroethane

Concen: 0.985 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. 0.01 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

Tgt Ion: 97 Resp: 15685

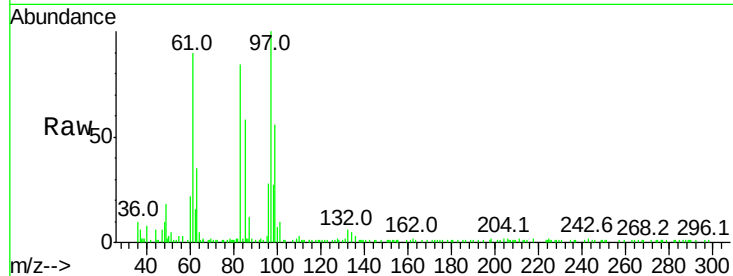
Ion Ratio Lower Upper

97 100

99 55.7 43.0 80.0

83 83.8 61.0 113.2

85 58.2 37.9 70.5

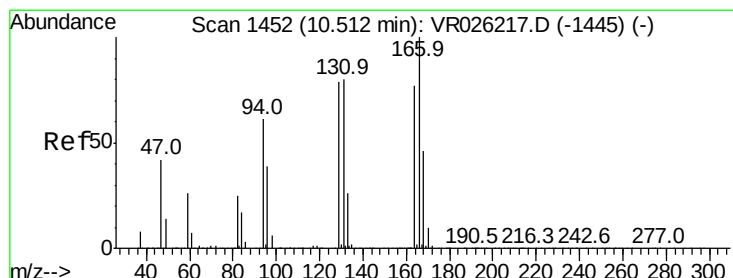
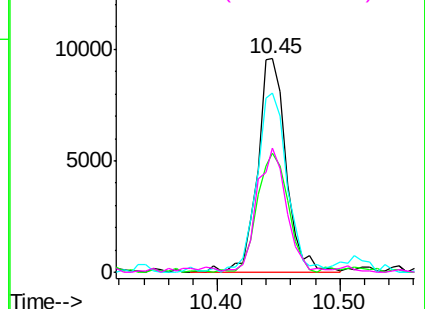
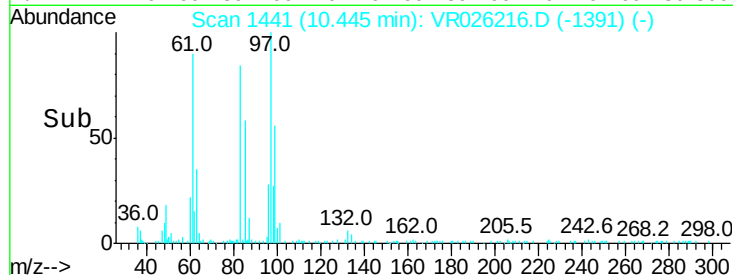


Abundance Ion 96.95 (96.65 to 97.65): VR0

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: 0.835 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Tgt Ion: 164 Resp: 27294

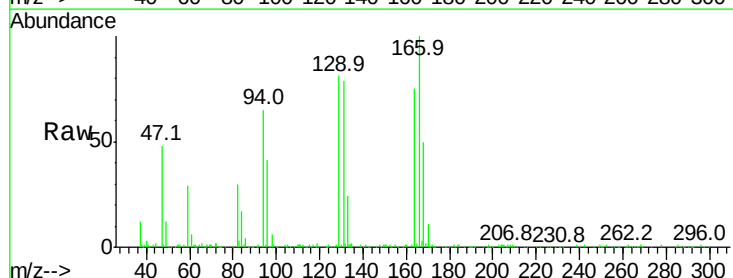
Ion Ratio Lower Upper

164 100

129 107.3 72.3 134.3

131 104.5 73.4 136.2

166 133.0 91.4 169.8

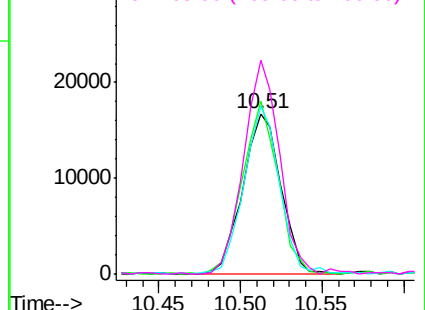
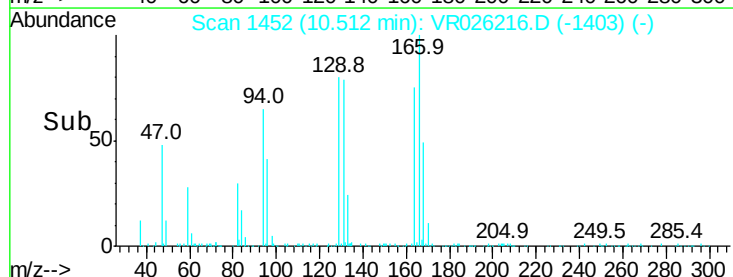


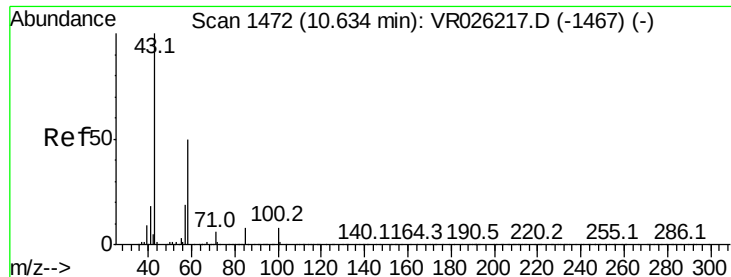
Abundance Ion 163.90 (163.60 to 164.60): V

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

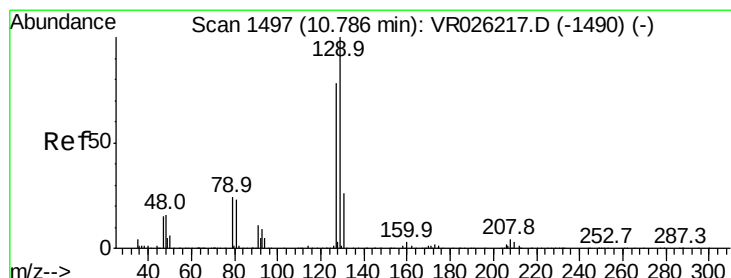
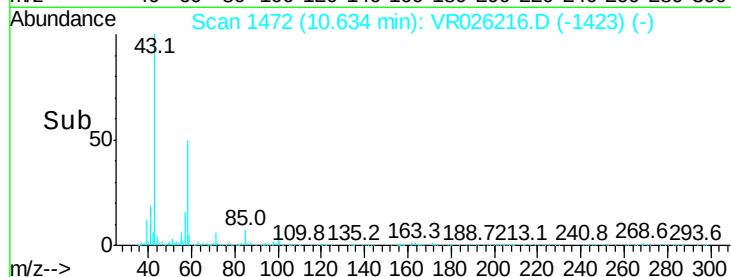
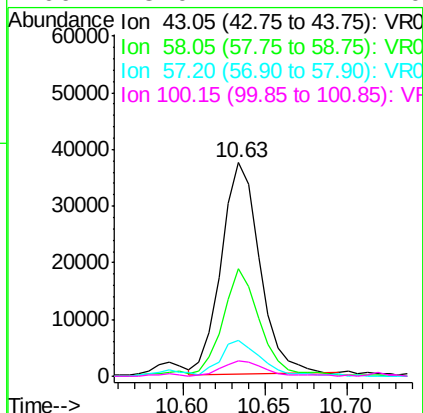
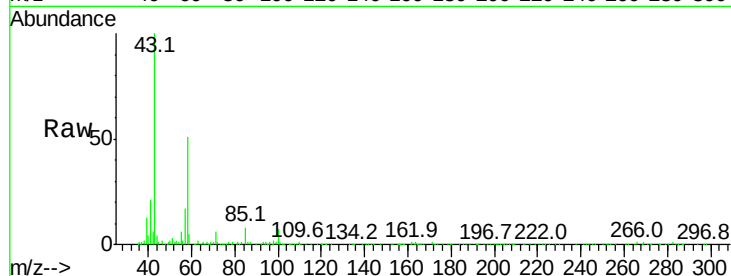




#48
2-Hexanone
Concen: 8.177 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026216.D
Acq: 9 Nov 2018 11:46

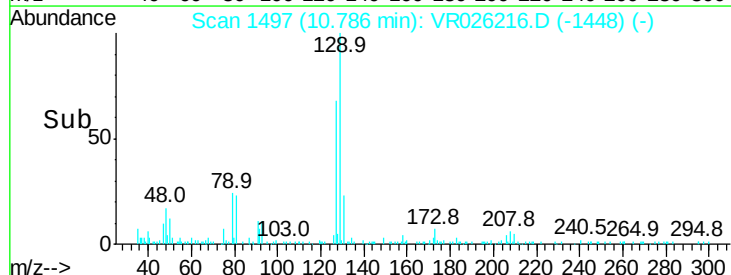
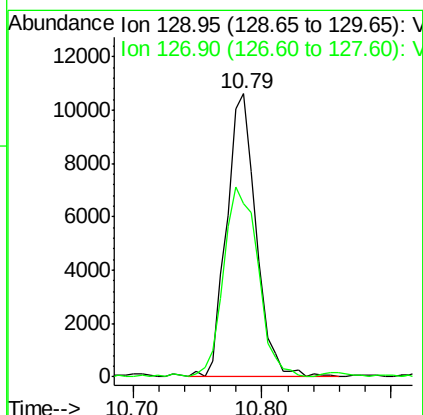
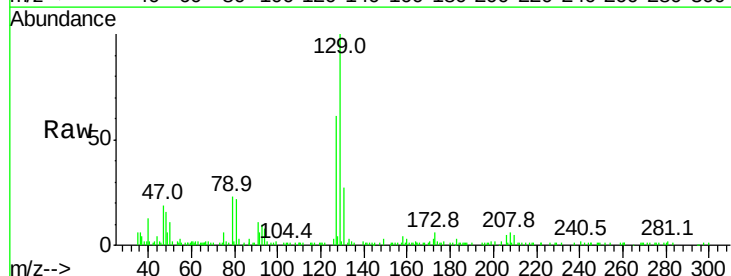
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

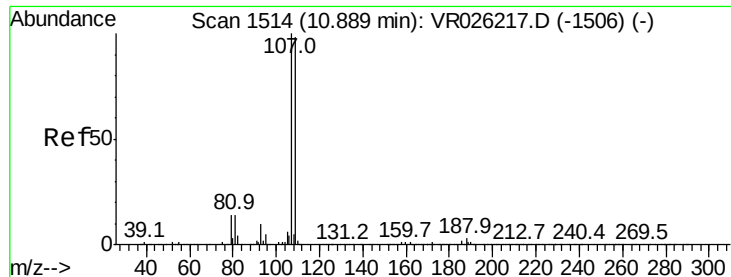
Tgt Ion:	43	Resp:	61574
Ion	Ratio	Lower	Upper
43	100		
58	51.8	40.0	60.0
57	16.2	14.6	21.8
100	8.0	7.4	11.0



#49
Dibromochloromethane
Concen: 0.951 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026216.D
Acq: 9 Nov 2018 11:46

Tgt Ion:	129	Resp:	17051
Ion	Ratio	Lower	Upper
129	100		
127	61.4	54.7	101.7

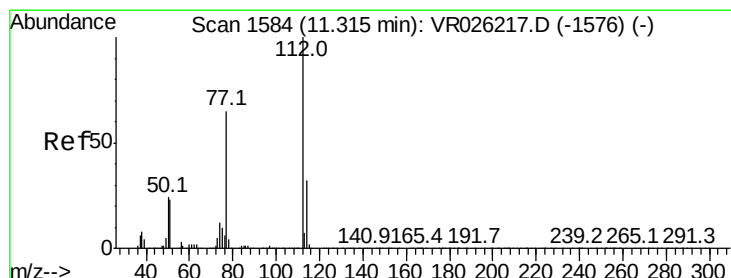
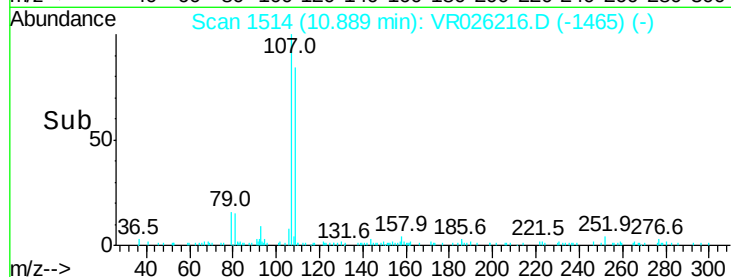
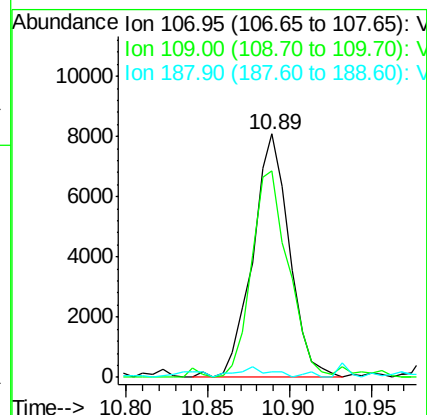
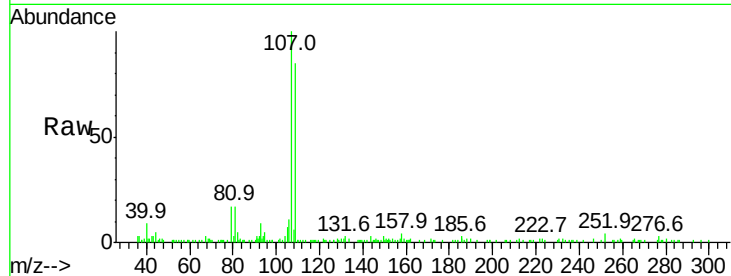




#50
1,2-Dibromoethane
Concen: 0.921 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026216.D
Acq: 9 Nov 2018 11:46

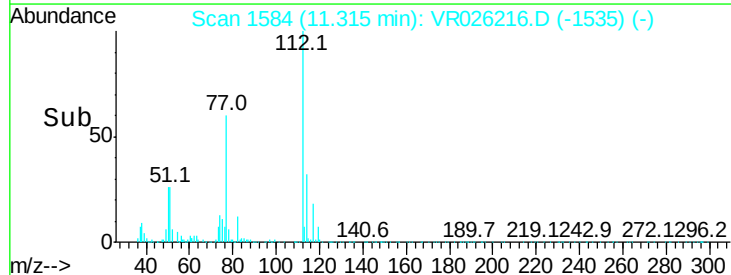
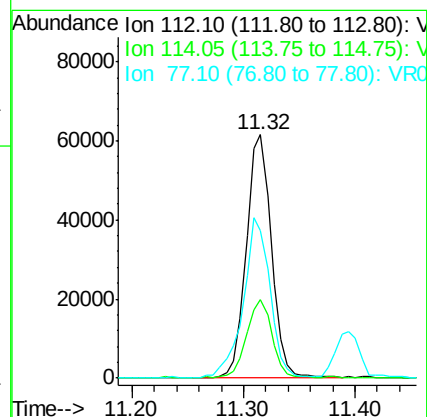
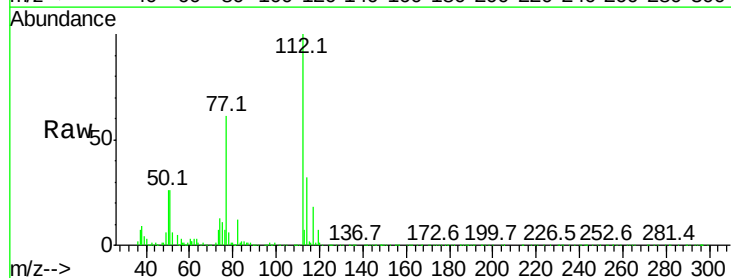
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

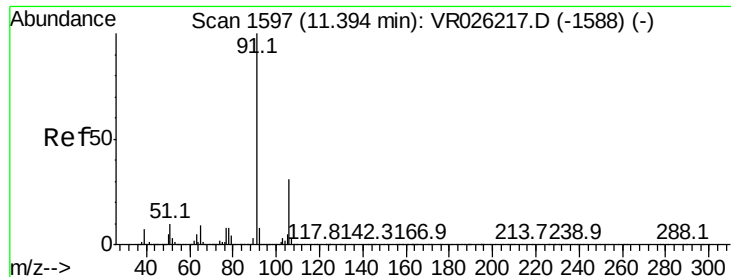
Tgt Ion	Ratio	Lower	Upper
107	100		
109	84.9	68.7	127.5
188	2.4	2.1	3.1



#51
Chlorobenzene
Concen: 0.923 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026216.D
Acq: 9 Nov 2018 11:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.7	42.3
77	60.5	51.8	77.8





#52

Ethylbenzene

Concen: 0.838 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Instrument :

MSVOA_R

ClientSampled :

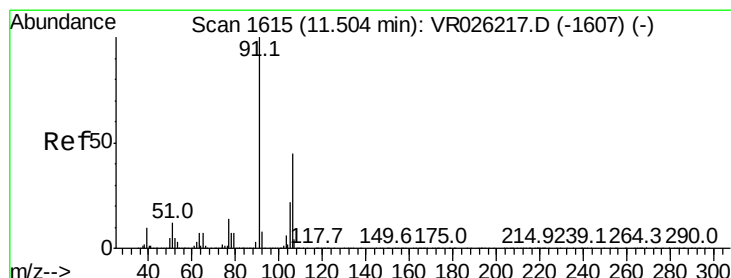
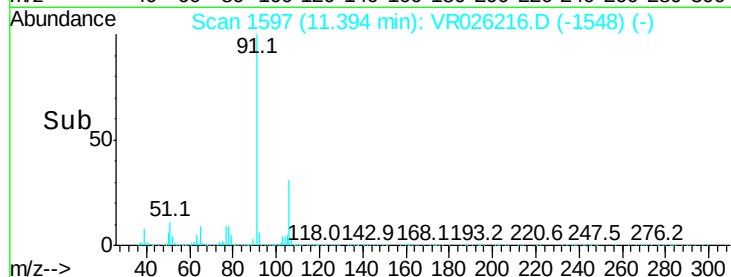
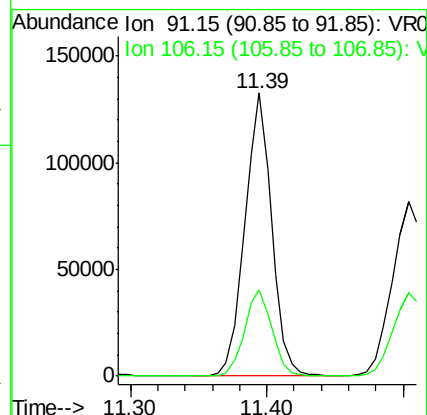
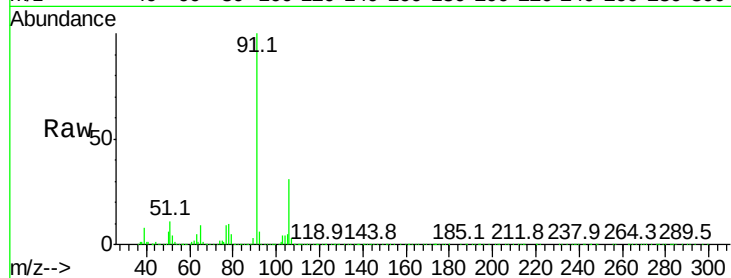
VSTD00182

Tgt Ion: 91 Resp: 181993

Ion Ratio Lower Upper

91 100

106 30.6 21.5 39.9



#53

m,p-Xylene

Concen: 0.822 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026216.D

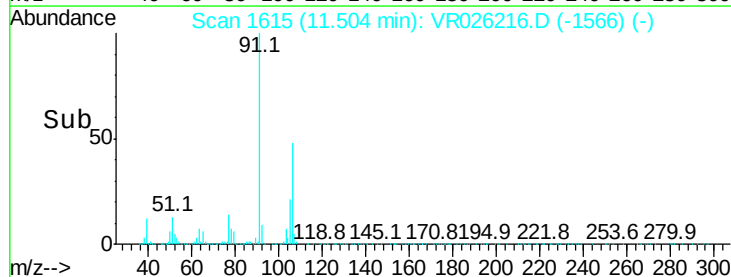
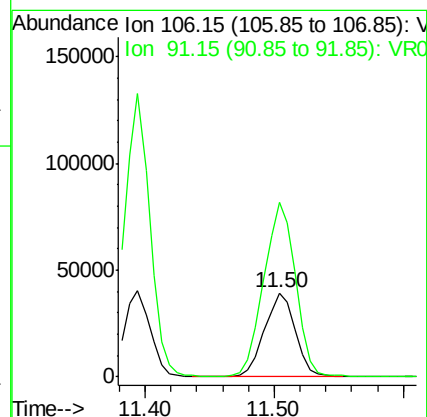
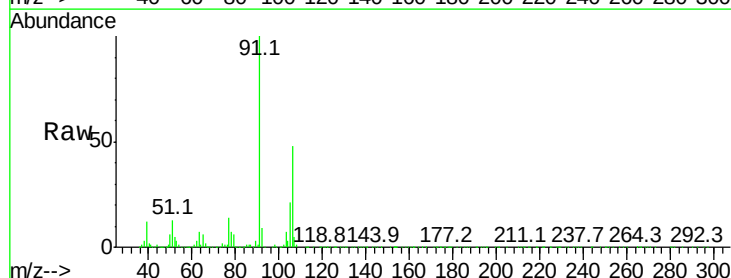
Acq: 9 Nov 2018 11:46

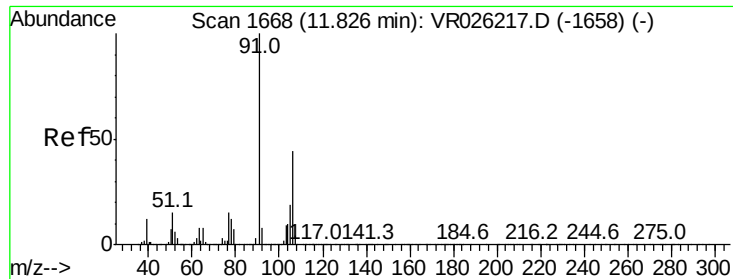
Tgt Ion: 106 Resp: 65077

Ion Ratio Lower Upper

106 100

91 207.9 153.9 285.9





#54

o-Xylene

Concen: 0.763 ug/L

RT: 11.83 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Instrument :

MSVOA_R

ClientSampleId :

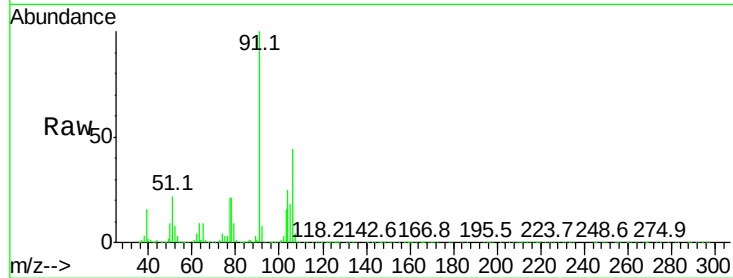
VSTD00182

Tgt Ion:106 Resp: 55385

Ion Ratio Lower Upper

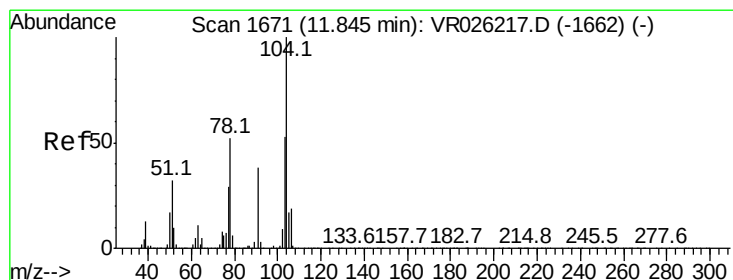
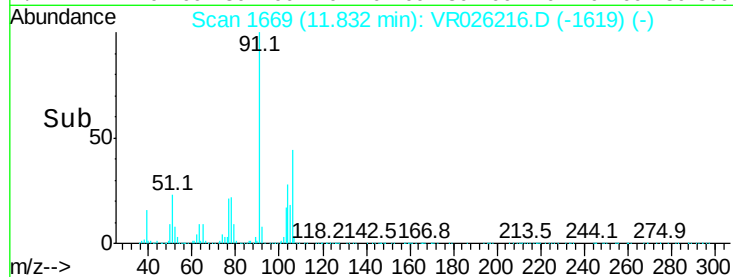
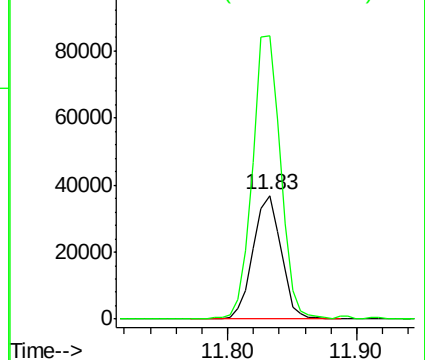
106 100

91 228.7 159.5 296.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 0.807 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VR026216.D

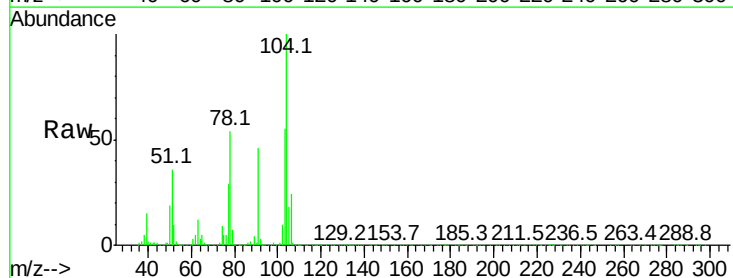
Acq: 9 Nov 2018 11:46

Tgt Ion:104 Resp: 90114

Ion Ratio Lower Upper

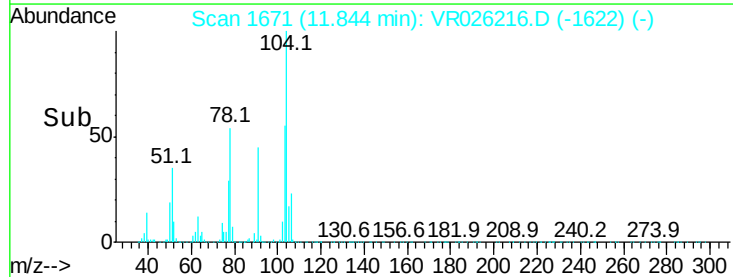
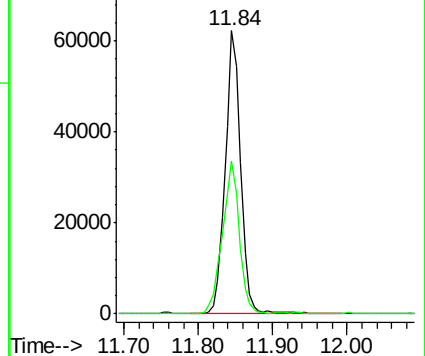
104 100

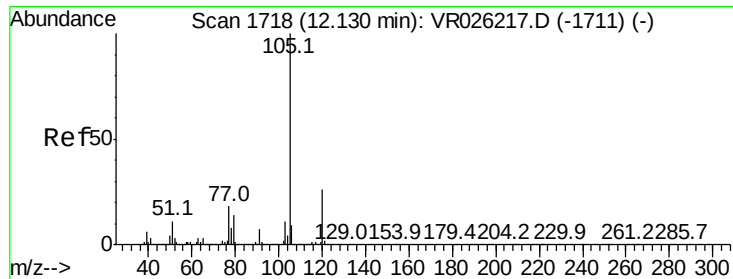
78 54.1 36.8 68.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 0.754 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

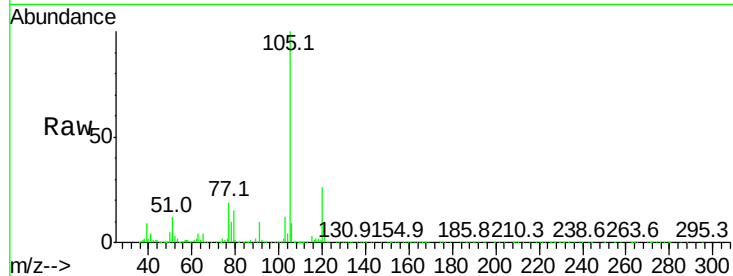
Tgt Ion: 105 Resp: 151862

Ion Ratio Lower Upper

105 100

120 26.1 20.4 30.6

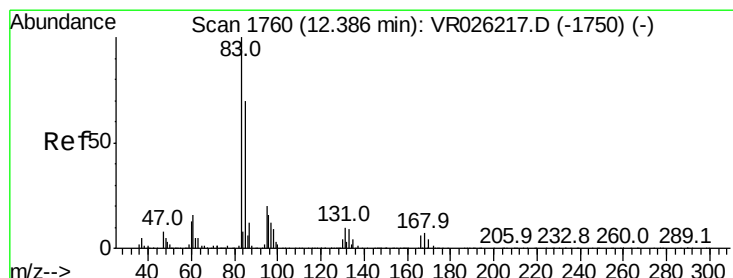
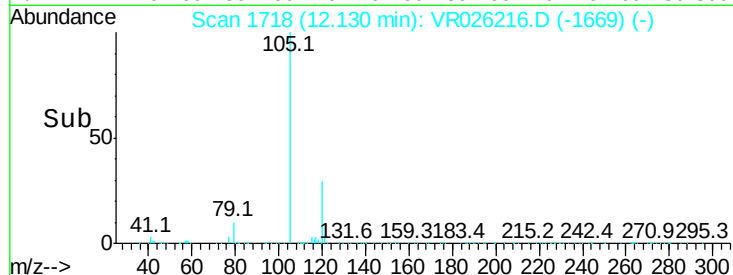
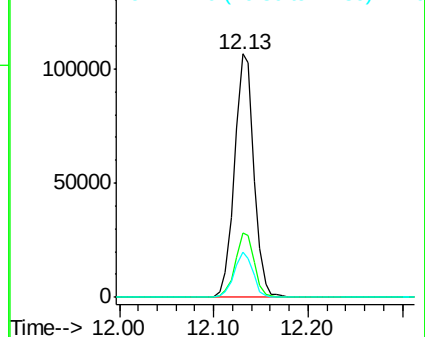
77 18.2 14.3 21.5



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: 0.943 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

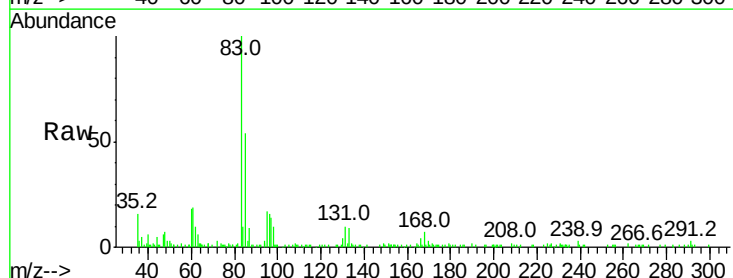
Tgt Ion: 83 Resp: 15261

Ion Ratio Lower Upper

83 100

85 53.9 49.1 91.1

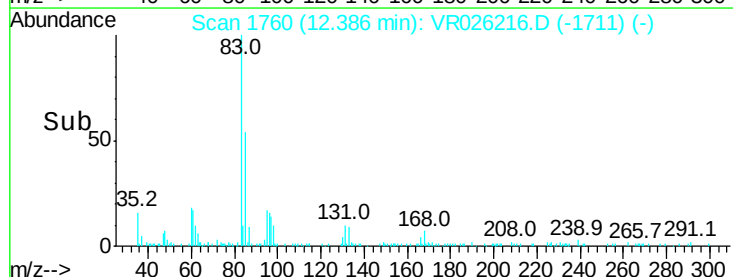
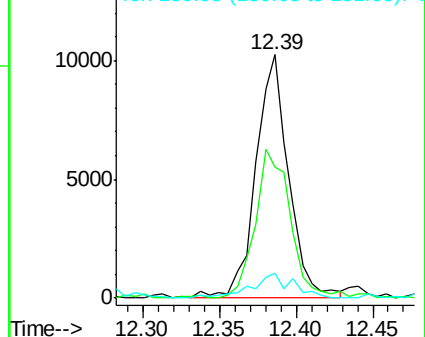
131 10.1 8.3 12.5

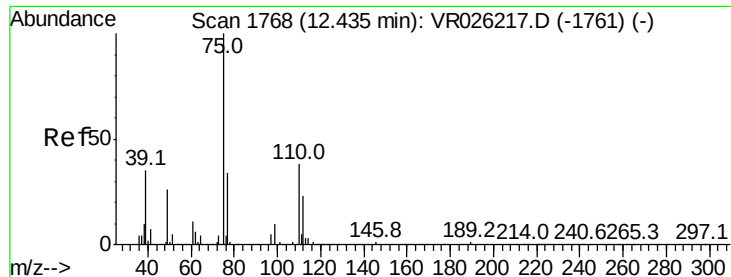


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.997 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Instrument :

MSVOA_R

ClientSampleId :

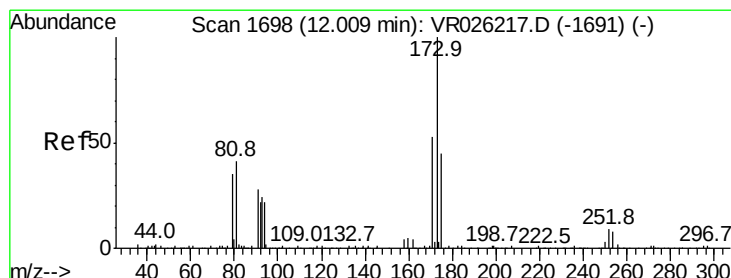
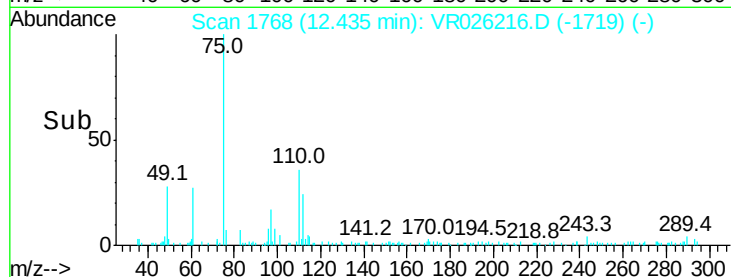
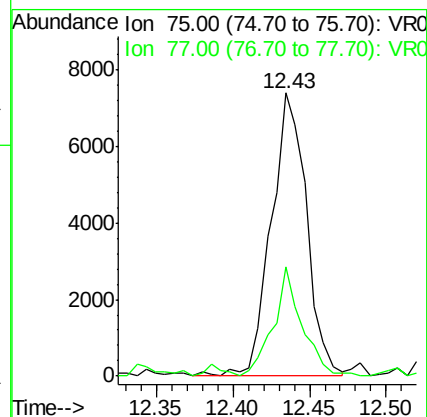
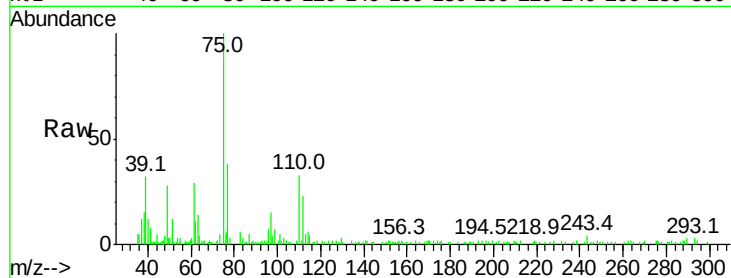
VSTD00182

Tgt Ion: 75 Resp: 11850

Ion Ratio Lower Upper

75 100

77 31.4 27.4 41.0



#61

Bromoform

Concen: 1.108 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

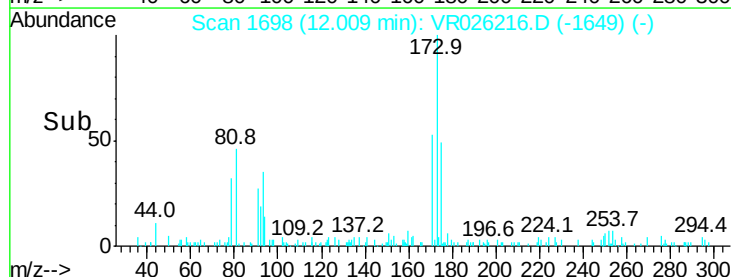
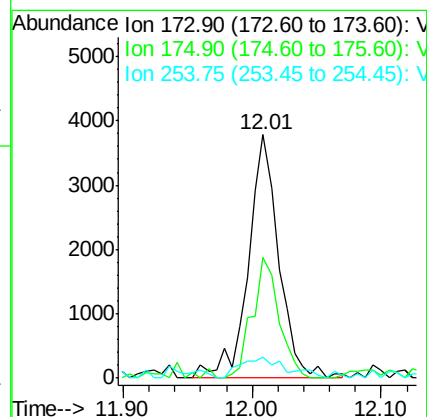
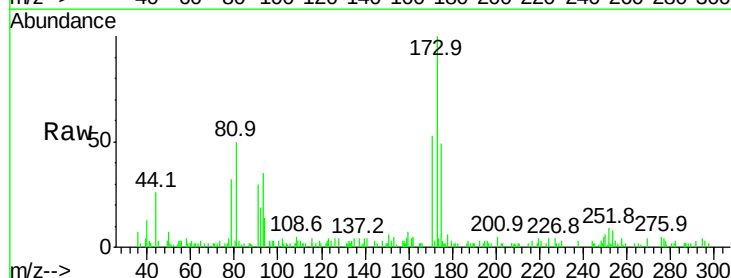
Tgt Ion: 173 Resp: 6121

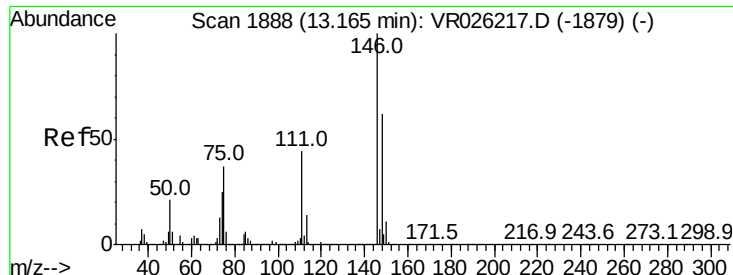
Ion Ratio Lower Upper

173 100

175 43.5 38.2 57.4

254 12.9 8.0 12.0#





#62

1,3-Dichlorobenzene

Concen: 0.808 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

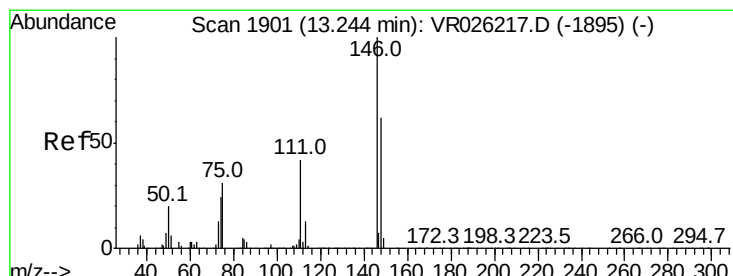
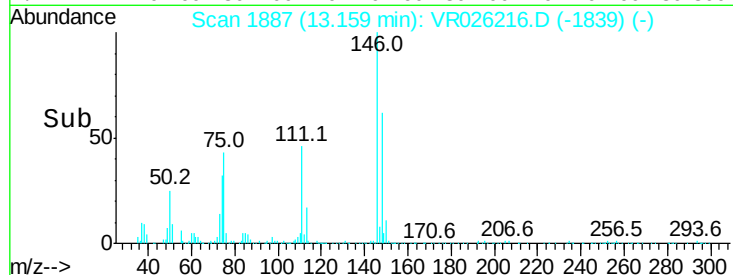
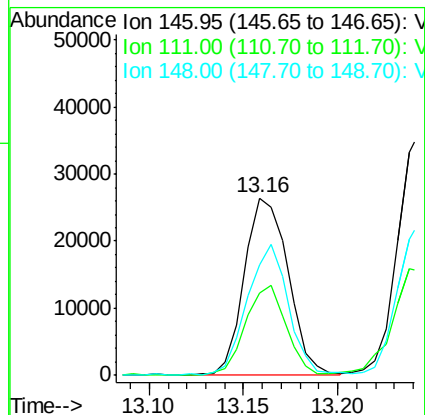
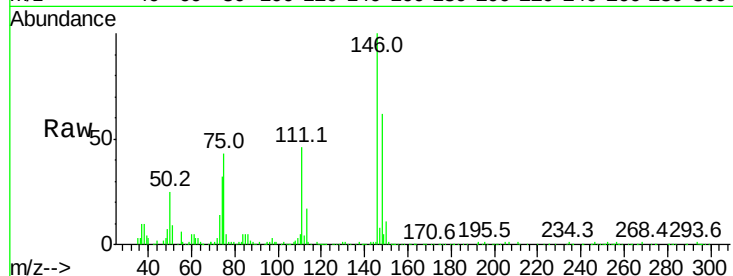
Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

Tgt Ion:	146	Resp:	42654
Ion	Ratio	Lower	Upper
146	100		
111	46.3	30.5	56.7
148	62.3	43.5	80.7



#63

1,4-Dichlorobenzene

Concen: 0.981 ug/L

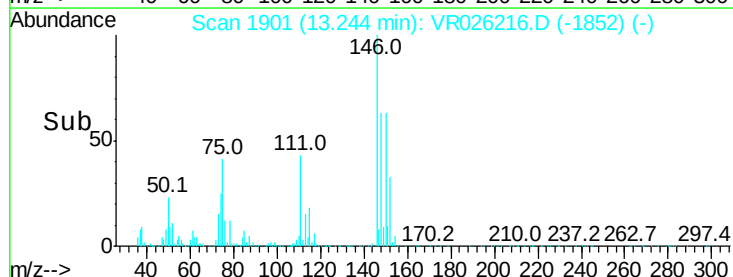
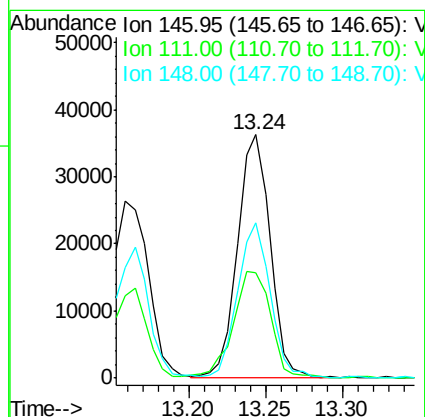
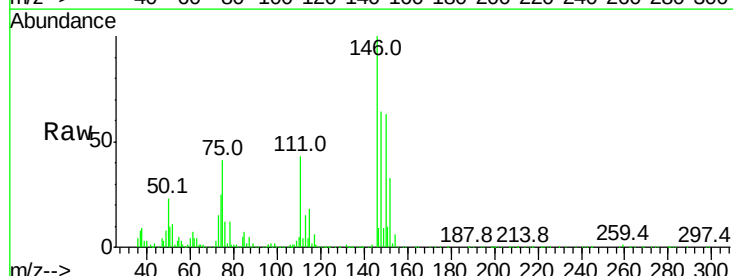
RT: 13.24 min Scan# 1901

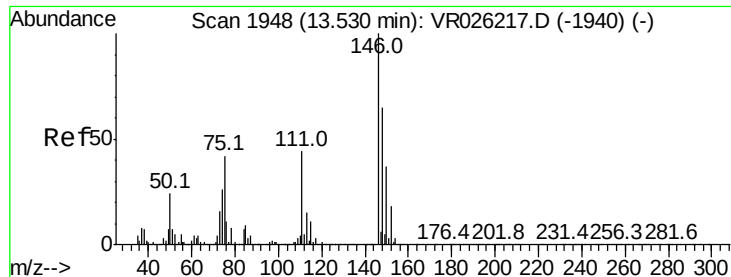
Delta R.T. -0.00 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Tgt Ion:	146	Resp:	53687
Ion	Ratio	Lower	Upper
146	100		
111	43.1	29.3	54.3
148	63.7	43.0	80.0

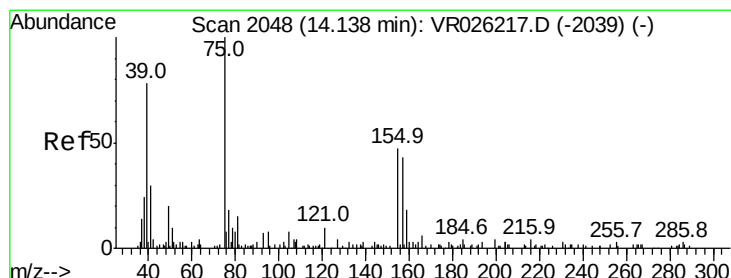
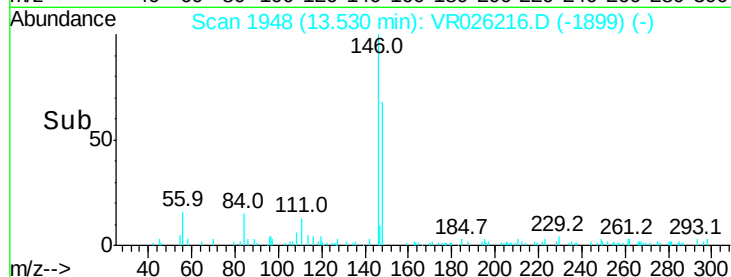
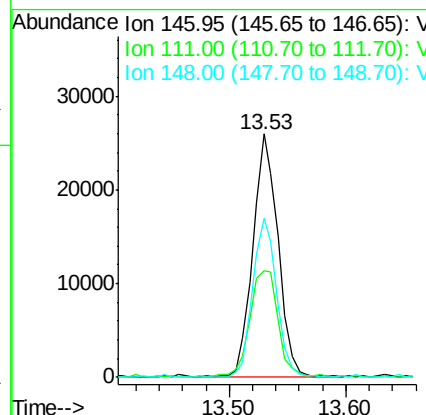
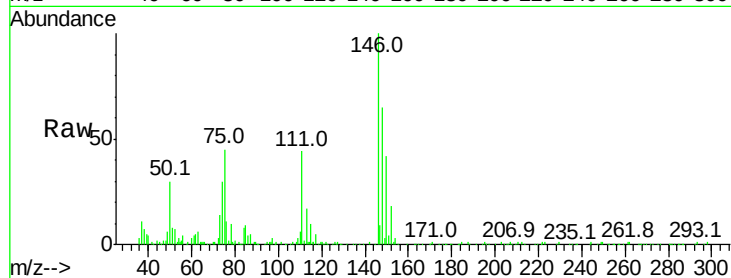




#65
1,2-Dichlorobenzene
Concen: 0.928 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VR026216.D
Acq: 9 Nov 2018 11:46

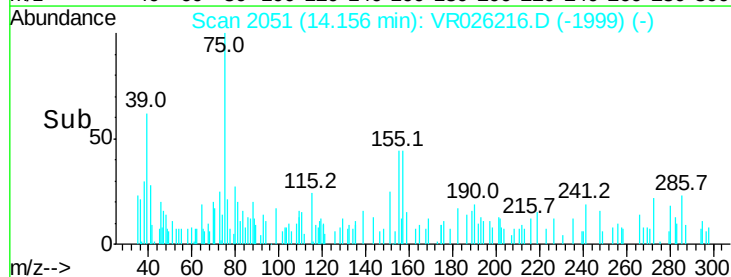
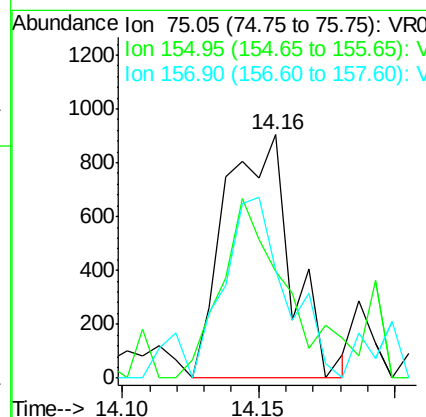
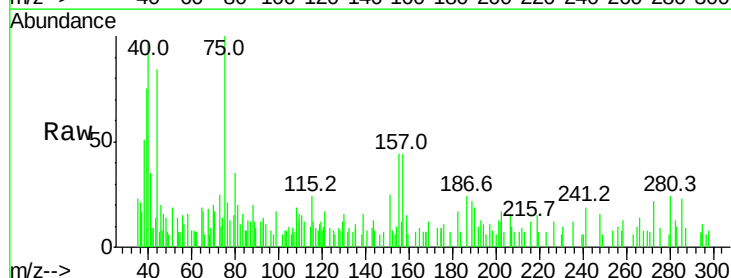
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

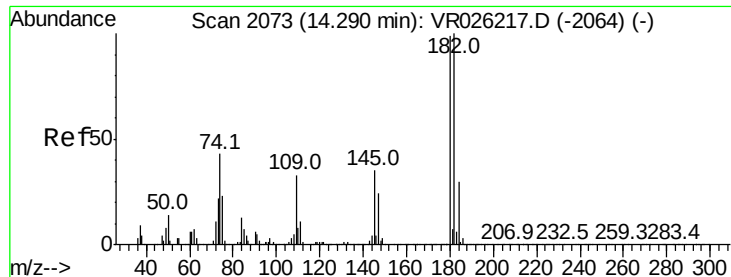
Tgt Ion: 146 Resp: 39351
Ion Ratio Lower Upper
146 100
111 44.0 35.0 52.6
148 65.3 51.6 77.4



#66
1,2-Dibromo-3-chloropropane
Concen: 0.882 ug/L
RT: 14.16 min Scan# 2051
Delta R.T. 0.02 min
Lab File: VR026216.D
Acq: 9 Nov 2018 11:46

Tgt Ion: 75 Resp: 1523
Ion Ratio Lower Upper
75 100
155 44.0 37.8 56.6
157 44.2 34.6 51.8

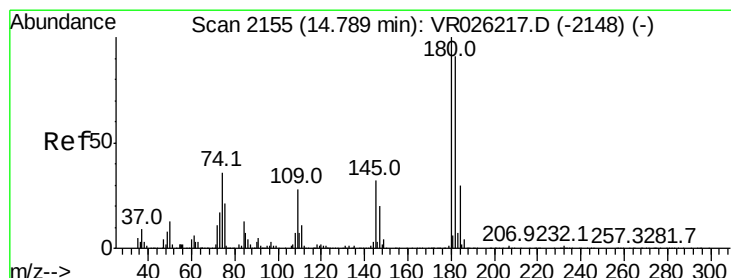
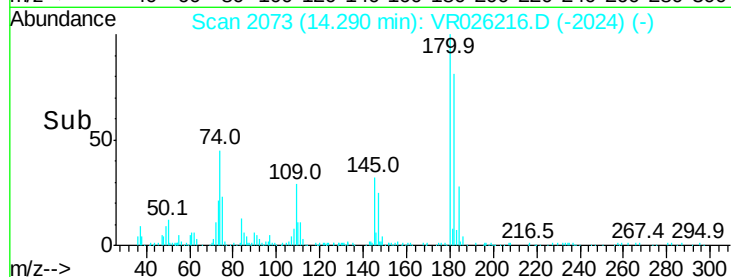
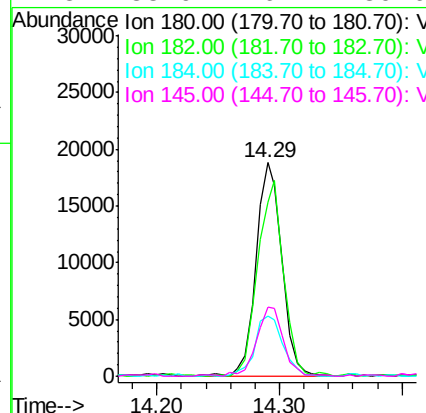
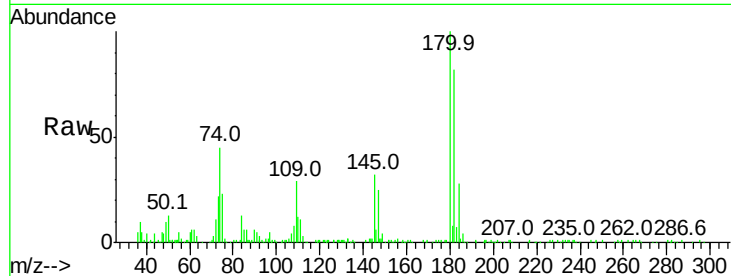




#67
 1,3,5-Trichlorobenzene
 Concen: 0.864 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026216.D
 Acq: 9 Nov 2018 11:46

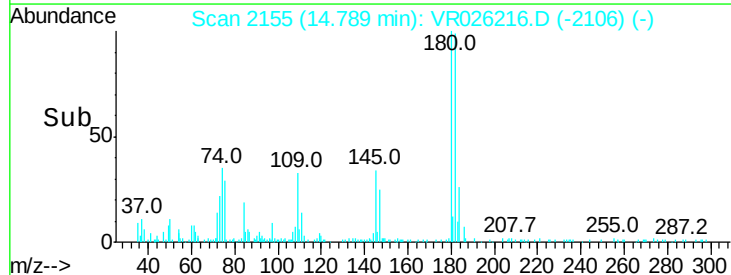
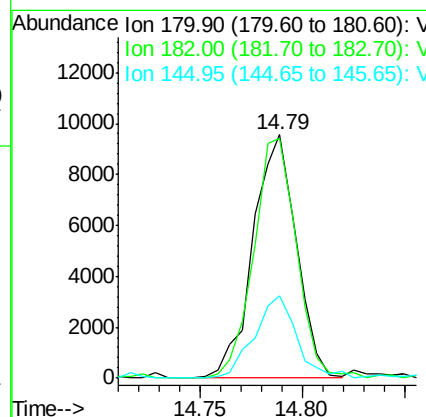
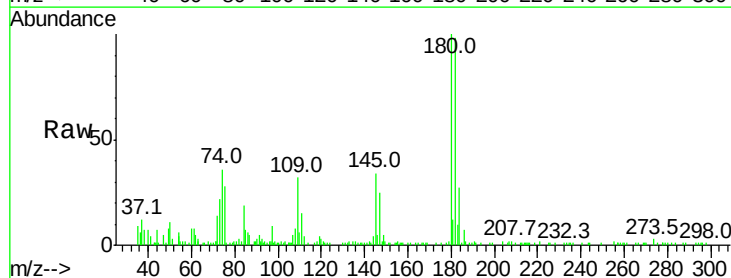
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

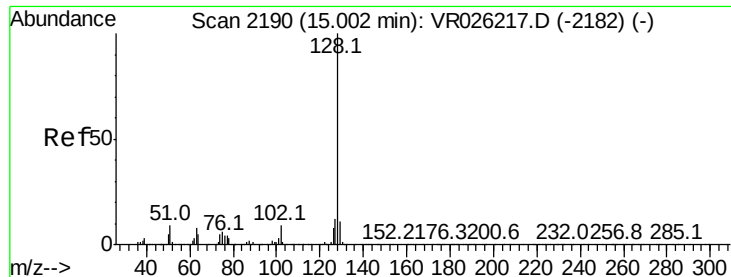
Tgt Ion:	180	Resp:	27817
Ion	Ratio	Lower	Upper
180	100		
182	91.7	77.0	115.6
184	30.8	23.2	34.8
145	33.9	26.4	39.6



#68
 1,2,4-trichlorobenzene
 Concen: 0.752 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VR026216.D
 Acq: 9 Nov 2018 11:46

Tgt Ion:	180	Resp:	14123
Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.0	112.6
145	33.0	27.3	40.9





#69

Naphthalene

Concen: 0.719 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Instrument :

MSVOA_R

ClientSampled :

VSTD00182

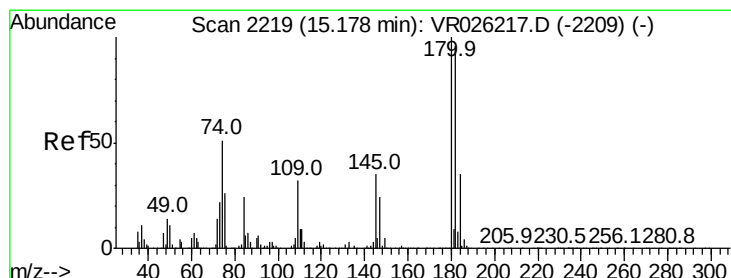
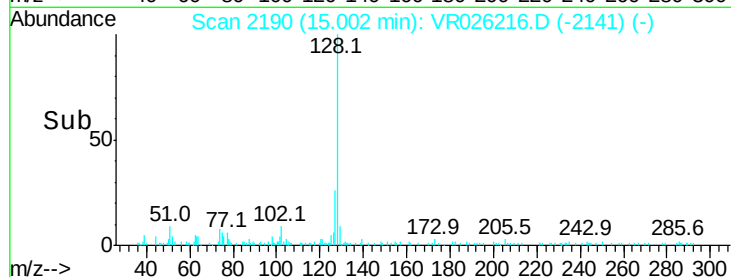
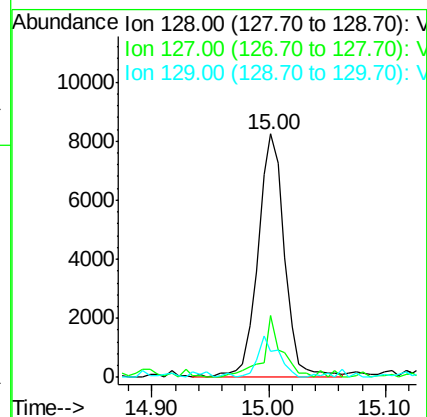
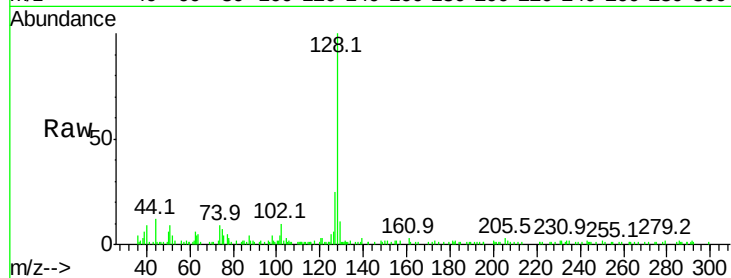
Tgt Ion:128 Resp: 13118

Ion Ratio Lower Upper

128 100

127 17.7 9.8 14.8#

129 13.0 8.4 12.6#



#70

1,2,3-Trichlorobenzene

Concen: 0.793 ug/L

RT: 15.18 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VR026216.D

Acq: 9 Nov 2018 11:46

Tgt Ion:180 Resp: 10347

Ion Ratio Lower Upper

180 100

182 101.4 77.4 116.0

145 42.1 29.3 43.9

