

Data File : VR025800.D
Acq On : 21 Sep 2018 14:31
Operator : SY/MD
Sample : VSTD00521
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00521

Quant Time: Sep 21 15:28:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 21 15:16:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	532263	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	425067	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	152042	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	180897	7.95	ug/L	0.00
7) Chloroethane-d5	2.63	69	140055	7.23	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	438302	6.98	ug/L	-0.02
20) 2-Butanone-d5	6.58	46	250419	61.36	ug/L	0.00
24) Chloroform-d	7.20	84	387305	6.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	164719	6.14	ug/L	0.00
32) Benzene-d6	7.85	84	768351	7.23	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	204452	6.35	ug/L	0.00
41) Toluene-d8	9.97	98	708968	8.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	57885	4.97	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	197629	53.63	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	83047	5.38	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	123231	6.10	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	265719	4.391 ug/L	97
3) Chloromethane	2.01	50	285732	4.798 ug/L	98
5) Vinyl chloride	2.17	62	275185	4.847 ug/L	93
6) Bromomethane	2.52	94	151377	5.043 ug/L	100
8) Chloroethane	2.66	64	153835	4.921 ug/L	98
9) Trichlorofluoromethane	2.93	101	134731	2.053 ug/L	# 10
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	202682	5.102 ug/L	97
12) 1,1-Dichloroethene	3.63	96	217265	5.059 ug/L	# 80
13) Acetone	3.70	43	172505	79.569 ug/L	90
14) Carbon disulfide	3.93	76	630821	4.455 ug/L	98
15) Methyl Acetate	4.20	43	52657	5.582 ug/L	95
16) Methylene chloride	4.40	84	187200	5.137 ug/L	93
17) Methyl tert-butyl Ether	4.89	73	387325	4.643 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	244858	4.616 ug/L	95
19) 1,1-Dichloroethane	5.69	63	506886	4.720 ug/L	97
21) 2-Butanone	6.69	43	341274	58.146 ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	245266	4.641 ug/L	98
23) Bromochloromethane	7.05	128	62895	4.375 ug/L	91
25) Chloroform	7.23	83	464386	4.678 ug/L	98
27) 1,2-Dichloroethane	7.99	62	243570	4.893 ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	416846	4.470 ug/L	99
30) Cyclohexane	7.52	56	489184	4.727 ug/L	99
31) Carbon tetrachloride	7.63	117	345391	4.284 ug/L	99
33) Benzene	7.91	78	1080067	5.036 ug/L	100
34) Trichloroethene	8.71	95	284704	4.800 ug/L	94
35) Methylcyclohexane	8.95	83	470442	4.832 ug/L	99
37) 1,2-Dichloropropane	9.00	63	243102	5.201 ug/L	98
38) Bromodichloromethane	9.28	83	270966	4.656 ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	312703	4.839 ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	862413	52.188 ug/L	99

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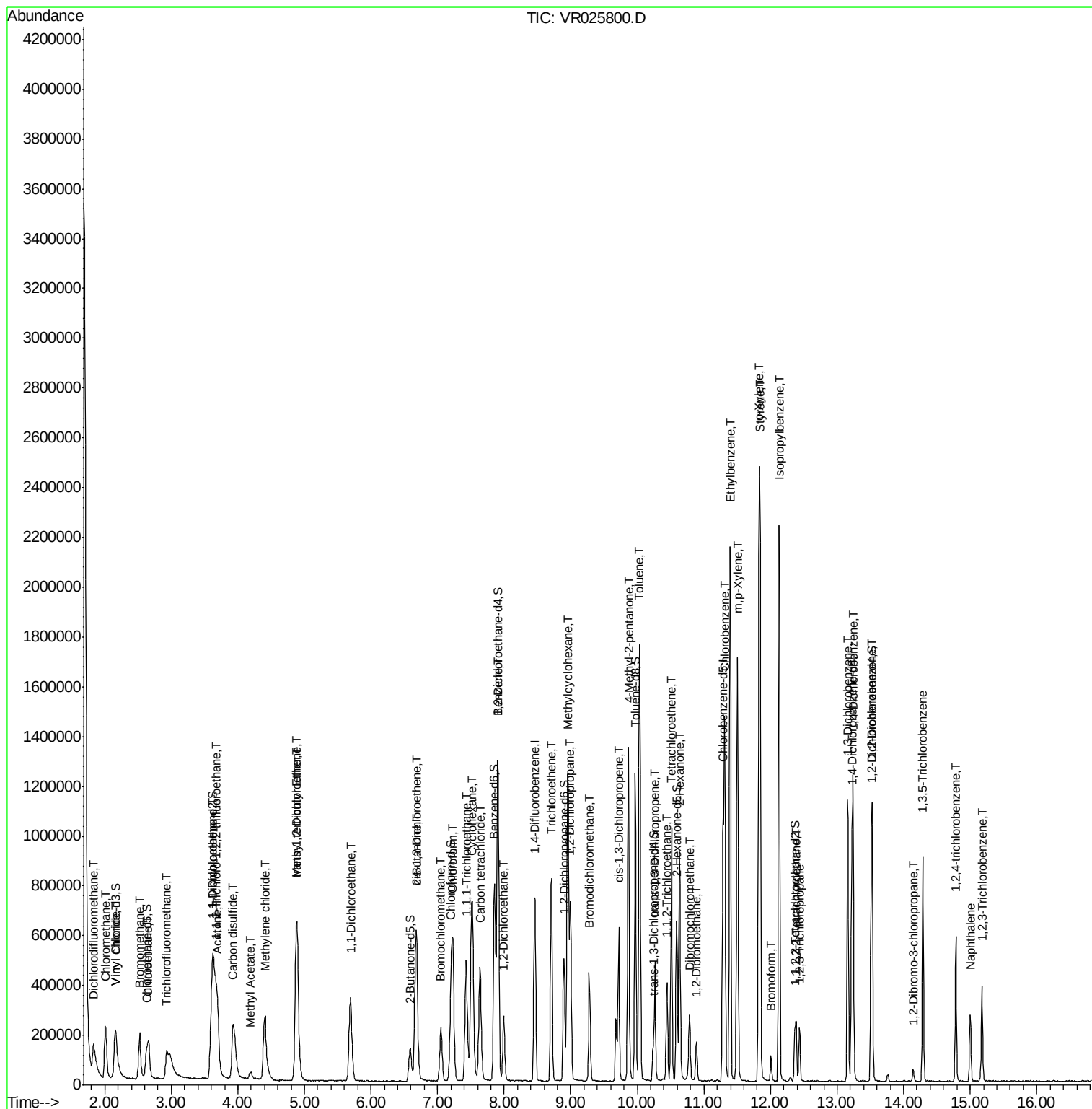
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	1118373	5.141	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	215165	4.527	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	102078	5.029	ug/L	98
47) Tetrachloroethene	10.51	164	158873	4.522	ug/L	98
48) 2-Hexanone	10.63	43	559418	50.857	ug/L	99
49) Dibromochloromethane	10.79	129	110044	4.343	ug/L	96
50) 1,2-Dibromoethane	10.89	107	87330	4.722	ug/L	97
51) Chlorobenzene	11.32	112	584282	4.913	ug/L	97
52) Ethylbenzene	11.39	91	1302761	5.118	ug/L	98
53) m,p-Xylene	11.50	106	463880	4.932	ug/L	95
54) o-Xylene	11.83	106	421256	4.854	ug/L	98
55) Styrene	11.84	104	653375	4.863	ug/L	98
56) Isopropylbenzene	12.13	105	1197956	4.981	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	97304	4.599	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	77698	4.602	ug/L	100
61) Bromoform	12.01	173	34353	3.629	ug/L	95
62) 1,3-Dichlorobenzene	13.16	146	337150	4.754	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	322907	4.837	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	257725	4.878	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	10985	3.581	ug/L	97
67) 1,3,5-Trichlorobenzene	14.29	180	184998	4.585	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	118563	4.486	ug/L	99
69) Naphthalene	15.00	128	176430	4.461	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	83152	4.395	ug/L	99

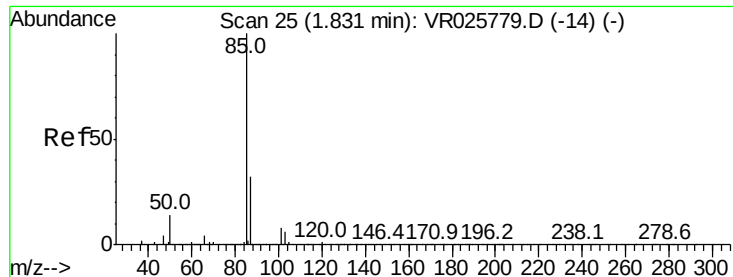
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.391 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.01 min

Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

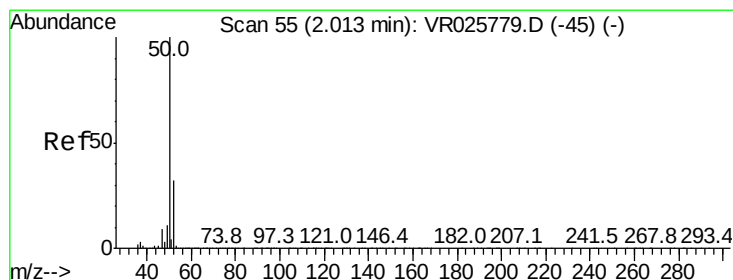
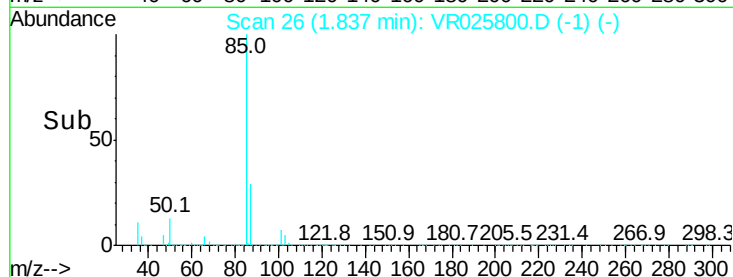
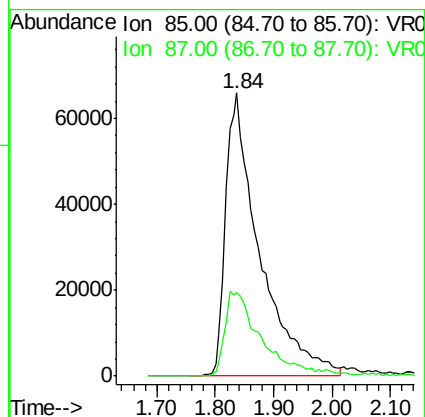
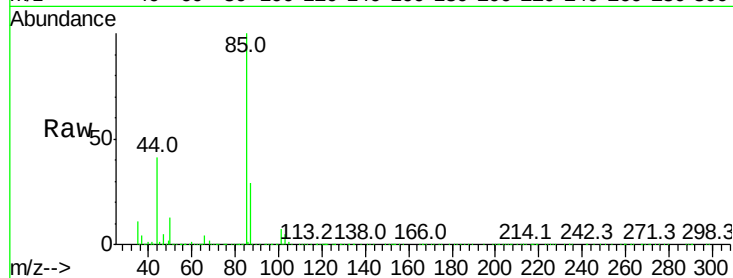
VSTD00521

Tgt Ion: 85 Resp: 265719

Ion Ratio Lower Upper

85 100

87 31.4 26.4 39.6



#3

Chloromethane

Concen: 4.798 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR025800.D

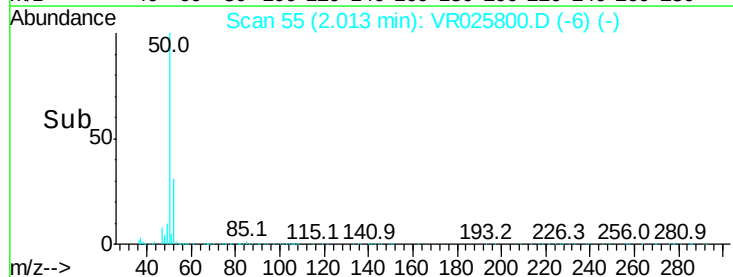
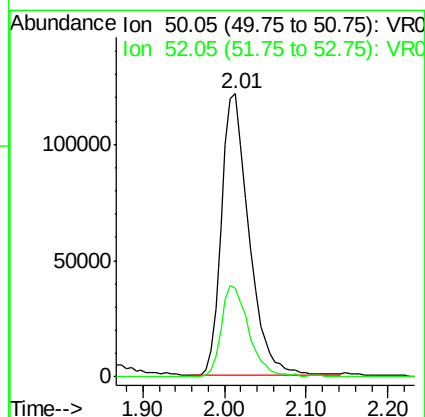
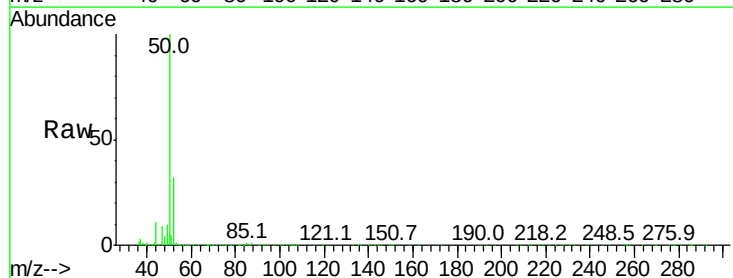
Acq: 21 Sep 2018 14:31

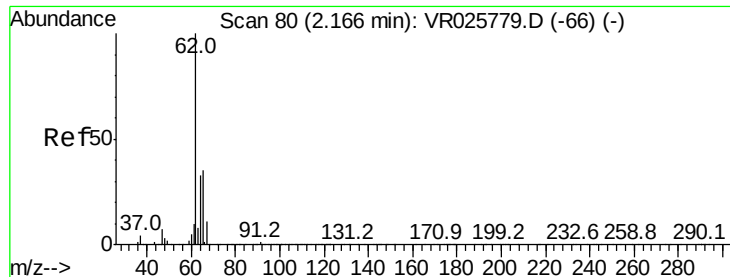
Tgt Ion: 50 Resp: 285732

Ion Ratio Lower Upper

50 100

52 31.6 21.3 39.6





#5

Vinyl chloride

Concen: 4.847 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.00 min

Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

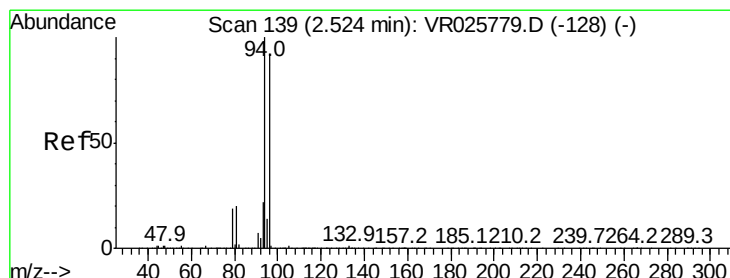
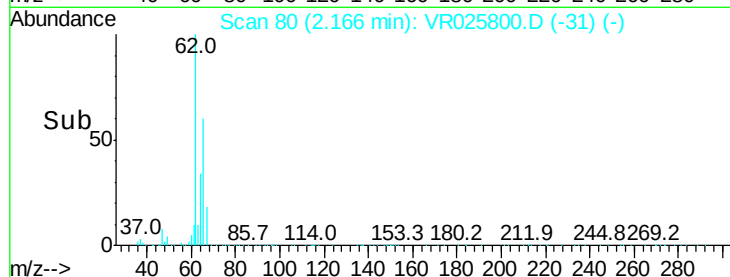
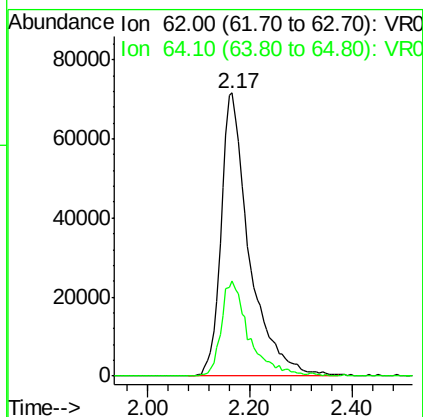
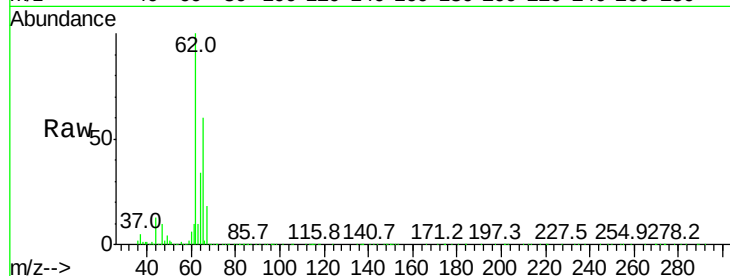
VSTD00521

Tgt Ion: 62 Resp: 275185

Ion Ratio Lower Upper

62 100

64 33.6 20.9 38.9



#6

Bromomethane

Concen: 5.043 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR025800.D

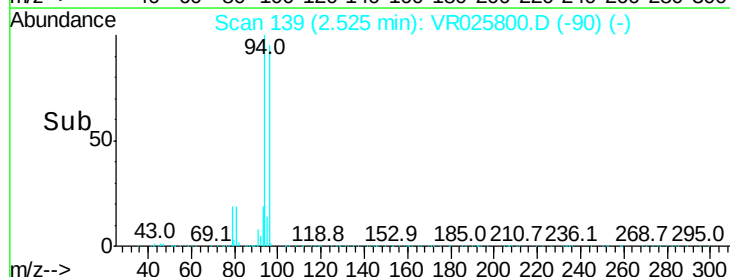
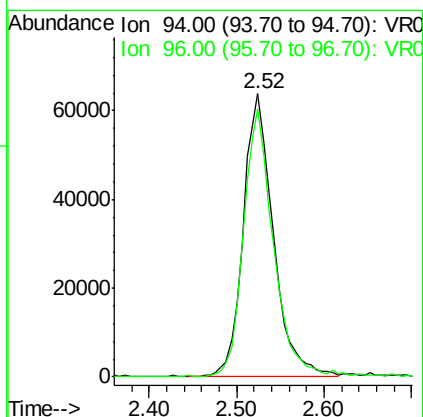
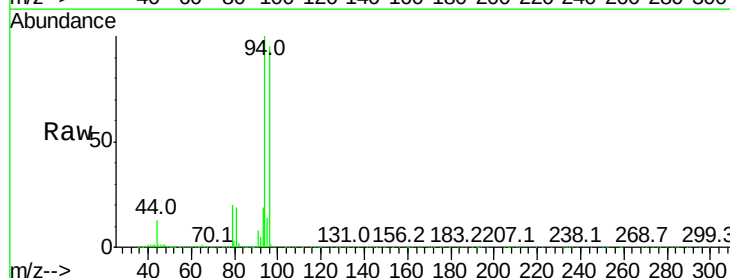
Acq: 21 Sep 2018 14:31

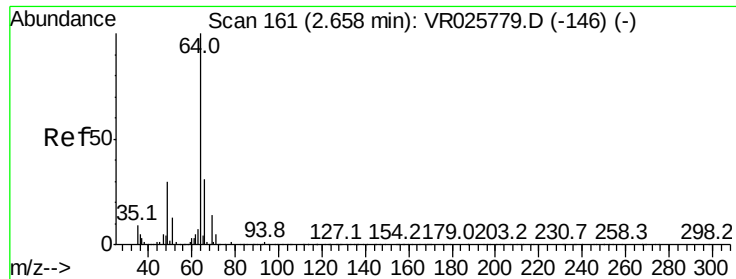
Tgt Ion: 94 Resp: 151377

Ion Ratio Lower Upper

94 100

96 94.5 66.1 122.7





#8

Chloroethane

Concen: 4.921 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.00 min

Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

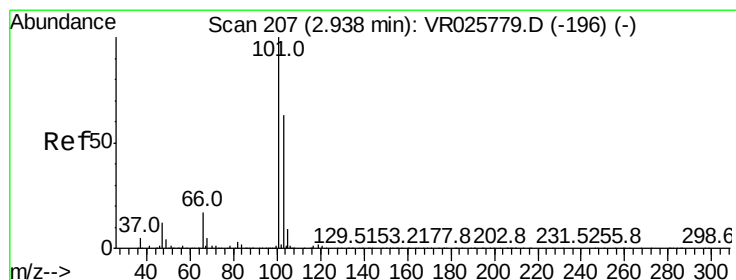
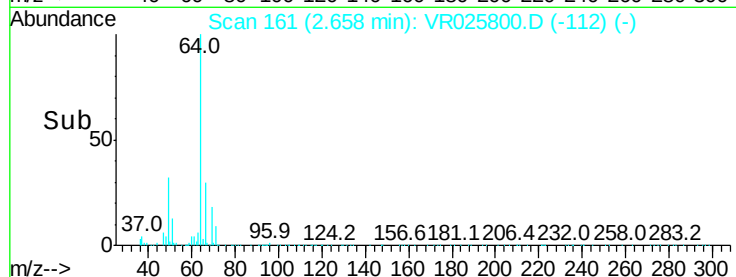
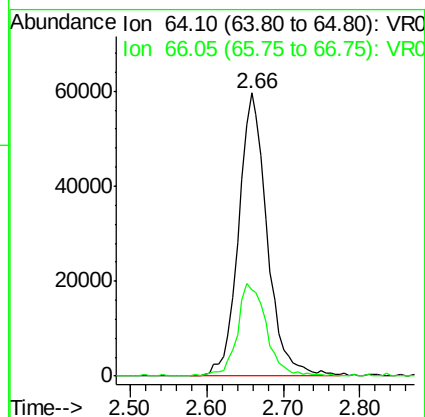
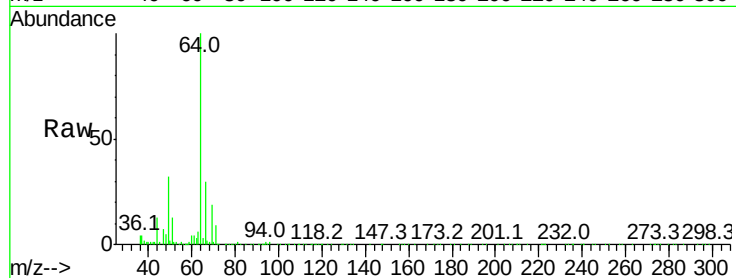
VSTD00521

Tgt Ion: 64 Resp: 153835

Ion Ratio Lower Upper

64 100

66 30.4 21.9 40.7



#9

Trichlorofluoromethane

Concen: 2.053 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.01 min

Lab File: VR025800.D

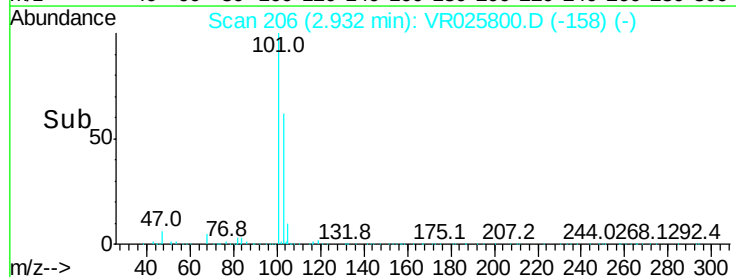
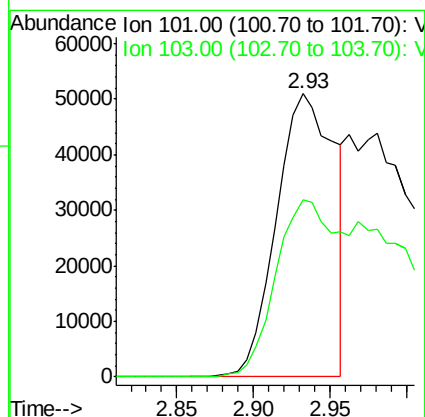
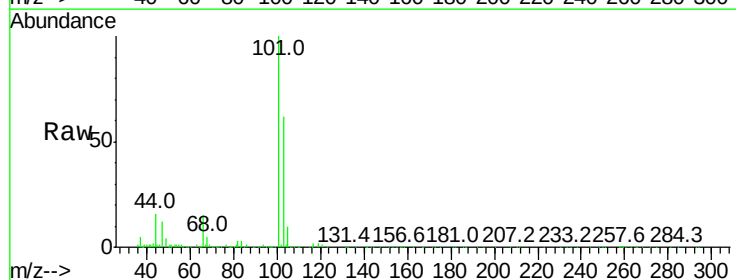
Acq: 21 Sep 2018 14:31

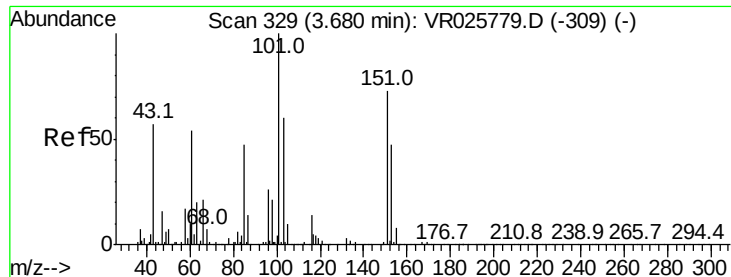
Tgt Ion: 101 Resp: 134731

Ion Ratio Lower Upper

101 100

103 70.4 20.2 30.2#





#10

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

Concen: 5.102 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.00 min

Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD00521

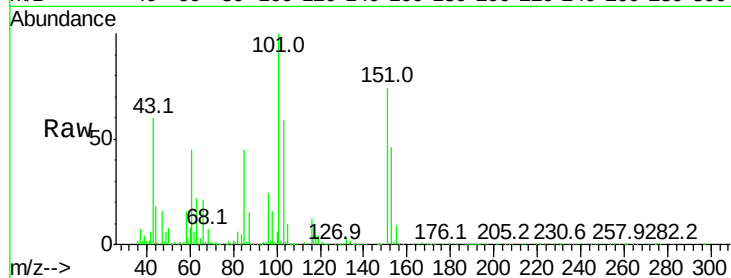
Tgt Ion:101 Resp: 202682

Ion Ratio Lower Upper

101 100

85 47.8 37.6 56.4

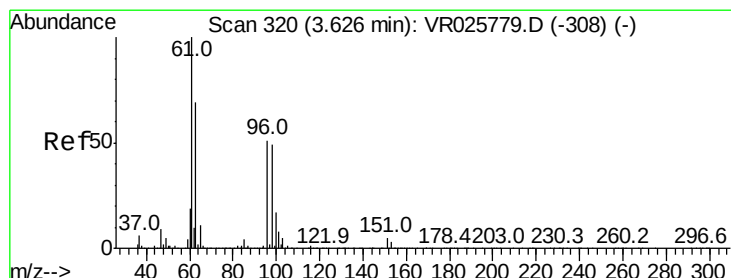
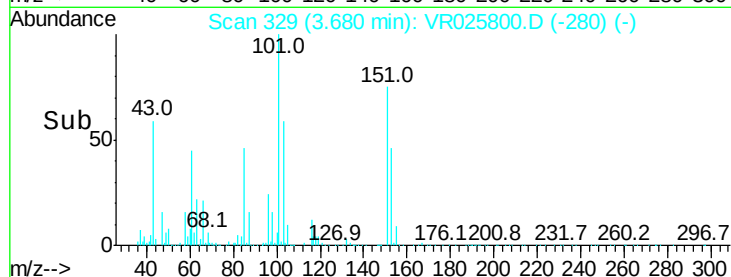
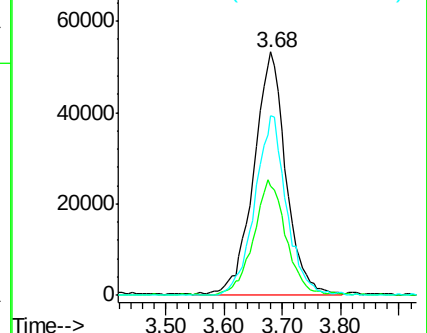
151 73.0 60.9 91.3



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: 5.059 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.00 min

Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

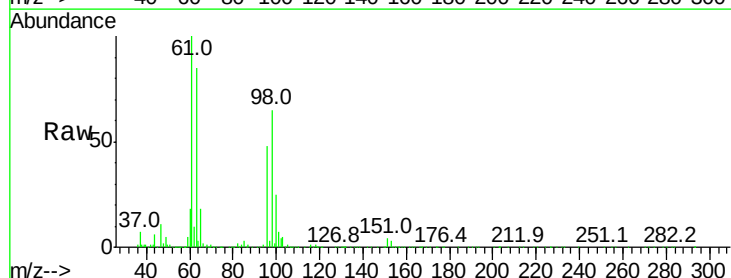
Tgt Ion: 96 Resp: 217265

Ion Ratio Lower Upper

96 100

61 207.2 138.7 257.7

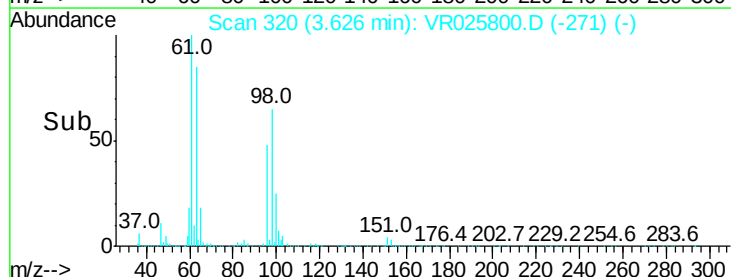
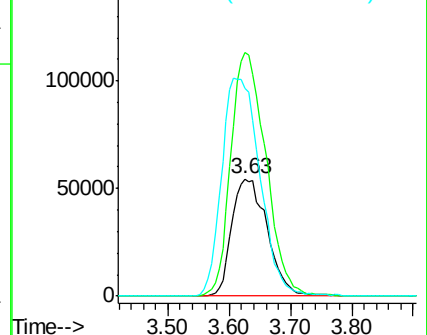
63 176.9 90.9 168.7#

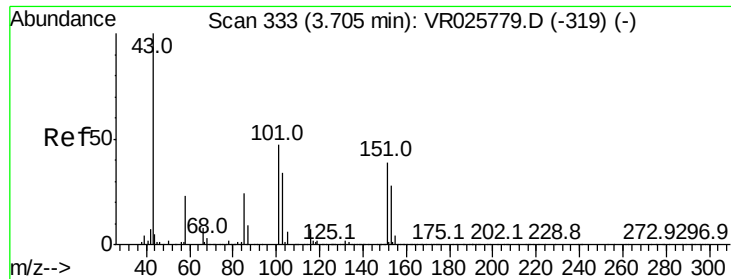


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 79.569 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.01 min

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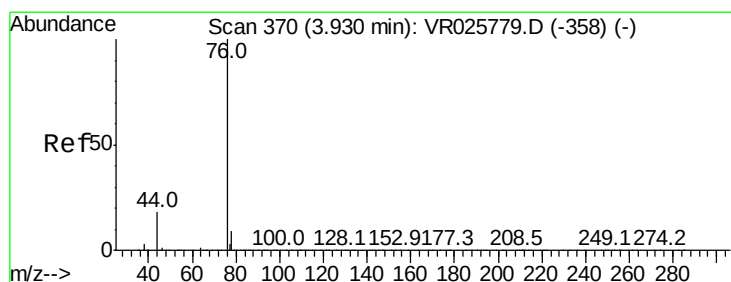
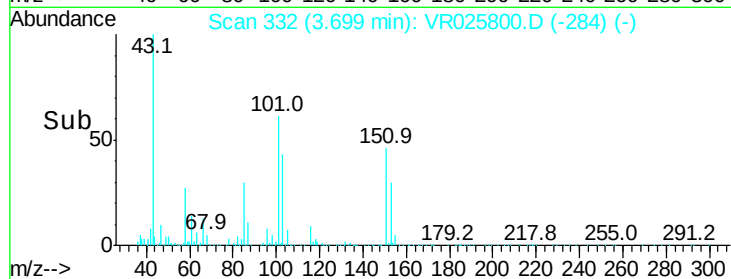
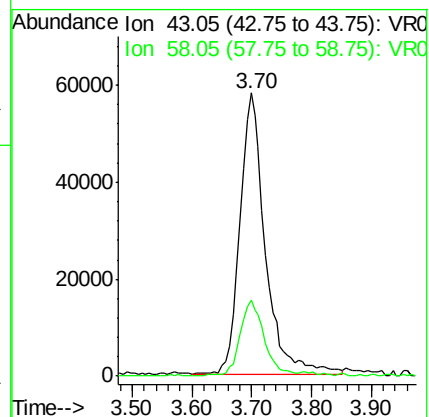
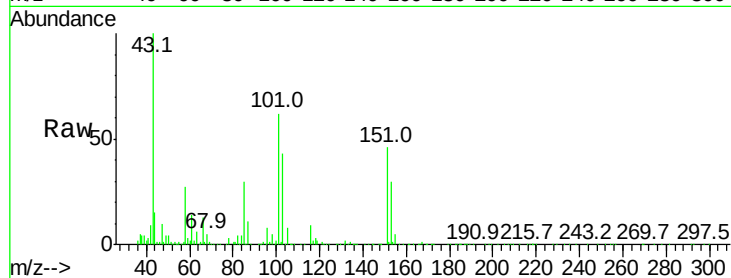
VSTD00521

Tgt Ion: 43 Resp: 172505

Ion Ratio Lower Upper

43 100

58 25.7 0.0 63.0



#14

Carbon disulfide

Concen: 4.455 ug/L

RT: 3.93 min Scan# 370

Delta R.T. 0.00 min

Lab File: VR025800.D

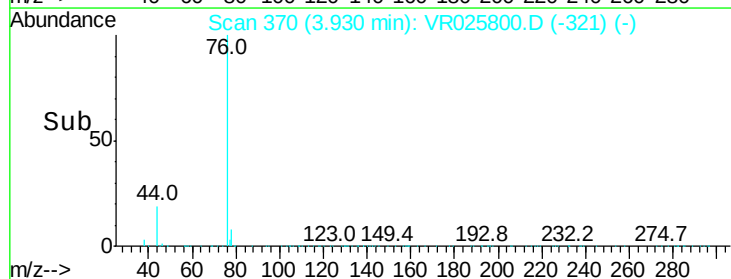
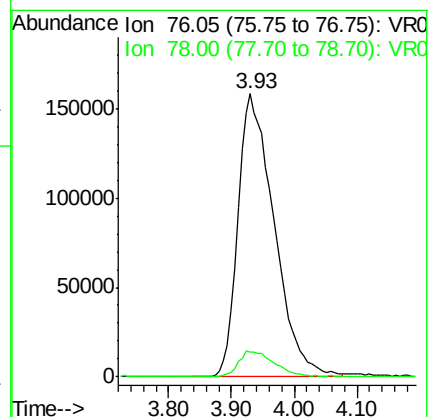
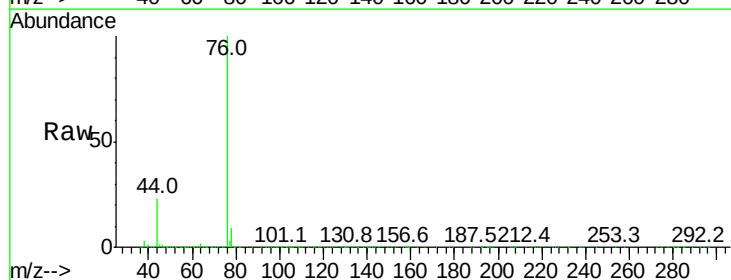
Acq: 21 Sep 2018 14:31

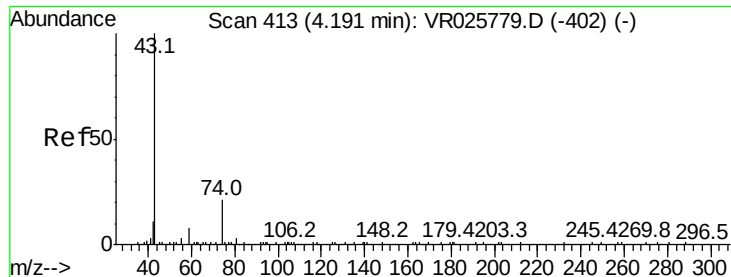
Tgt Ion: 76 Resp: 630821

Ion Ratio Lower Upper

76 100

78 8.8 7.6 11.4

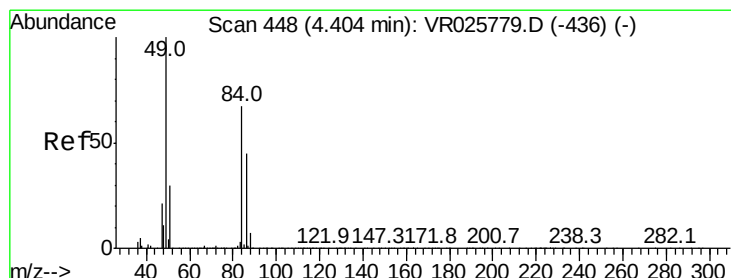
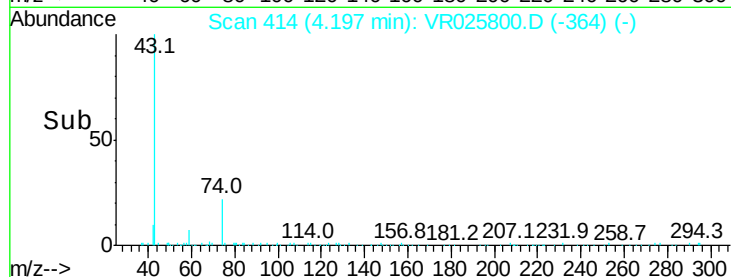
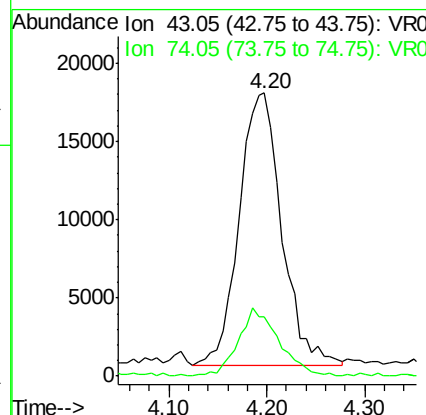
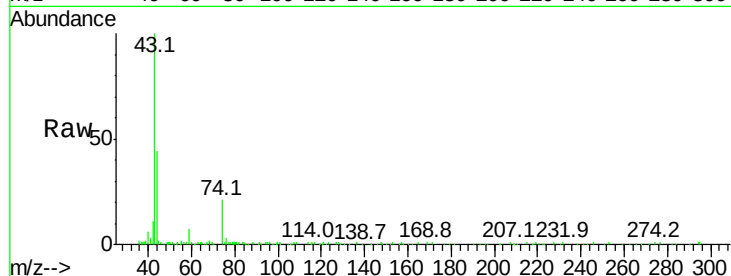




#15
Methyl Acetate
Concen: 5.582 ug/L
RT: 4.20 min Scan# 414
Delta R.T. 0.01 min
Lab File: VR025800.D
Acq: 21 Sep 2018 14:31

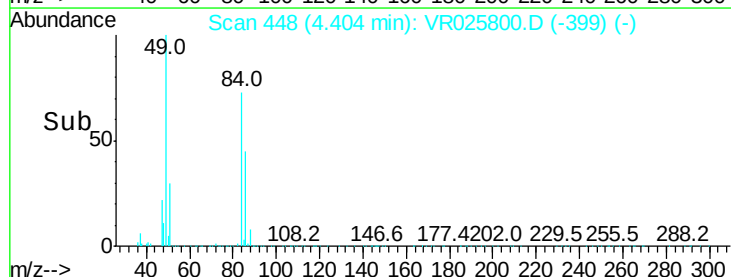
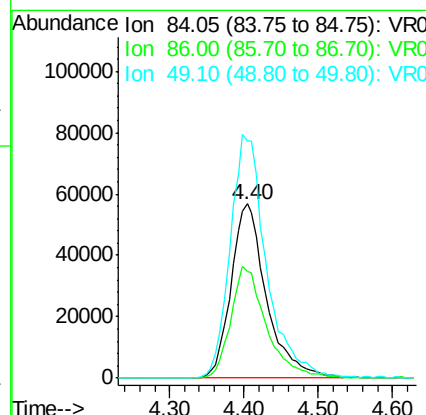
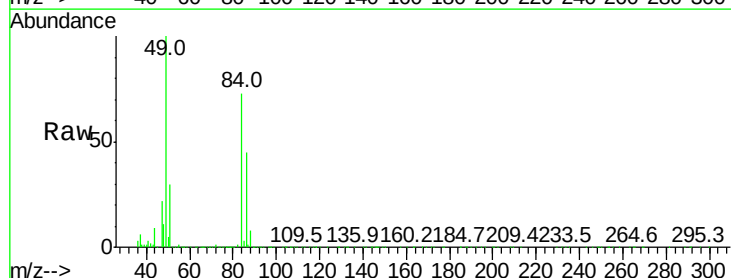
Instrument :
MSVOA_R
ClientSampleId :
VSTD00521

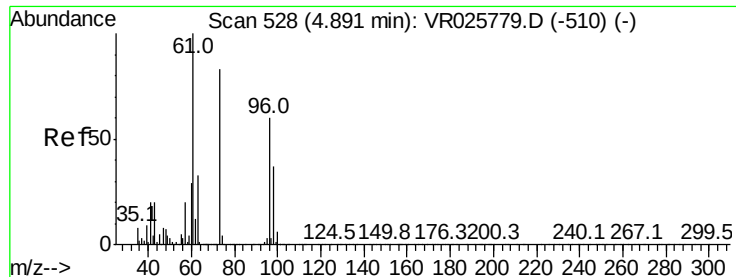
Tgt Ion: 43 Resp: 52657
Ion Ratio Lower Upper
43 100
74 23.7 21.1 31.7



#16
Methylene chloride
Concen: 5.137 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.00 min
Lab File: VR025800.D
Acq: 21 Sep 2018 14:31

Tgt Ion: 84 Resp: 187200
Ion Ratio Lower Upper
84 100
86 61.6 44.2 82.0
49 136.4 103.9 192.9



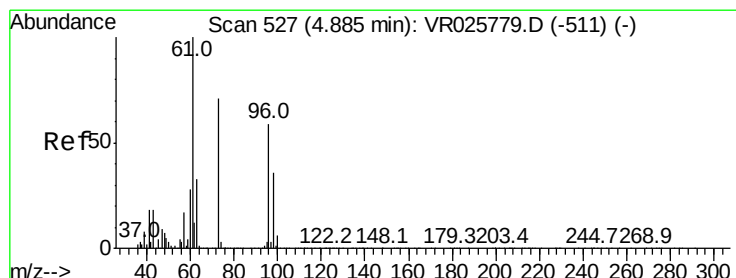
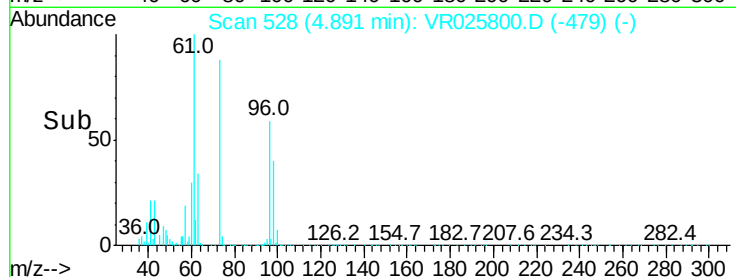
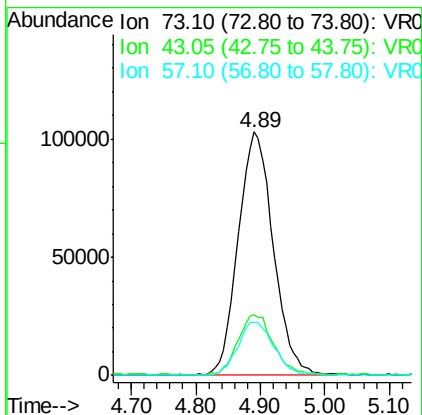
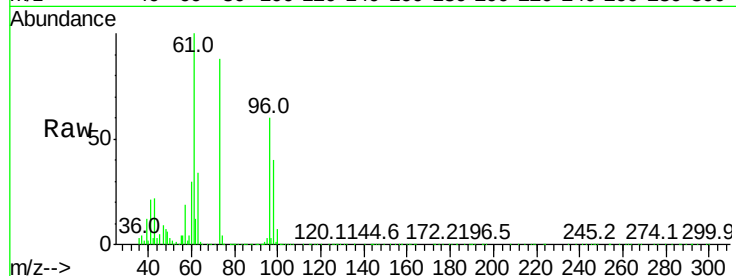


#17

Methyl tert-butyl Ether
 Concen: 4.643 ug/L
 RT: 4.89 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VR025800.D
 Acq: 21 Sep 2018 14:31

Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00521

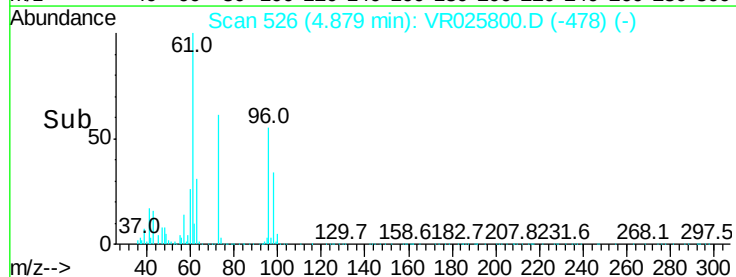
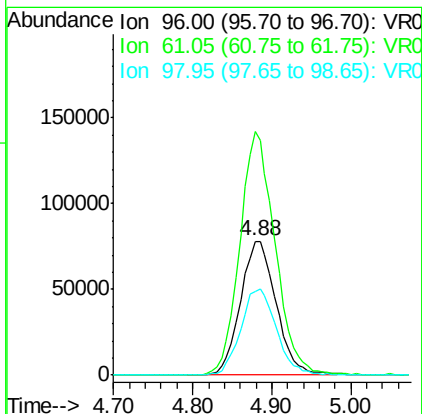
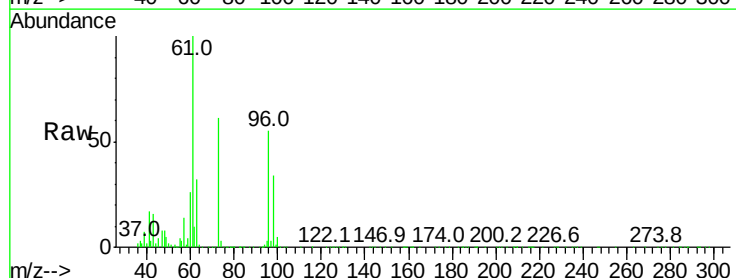
Tgt Ion:	73	Resp:	387325
Ion	Ratio	Lower	Upper
73	100		
43	24.8	20.4	30.6
57	22.4	17.8	26.6

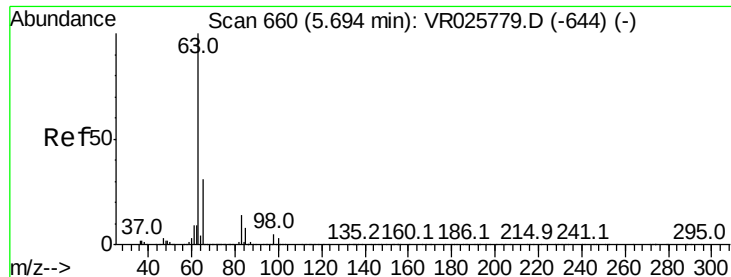


#18

trans-1,2-Dichloroethene
 Concen: 4.616 ug/L
 RT: 4.88 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VR025800.D
 Acq: 21 Sep 2018 14:31

Tgt Ion:	96	Resp:	244858
Ion	Ratio	Lower	Upper
96	100		
61	182.0	121.4	225.6
98	62.5	42.7	79.3

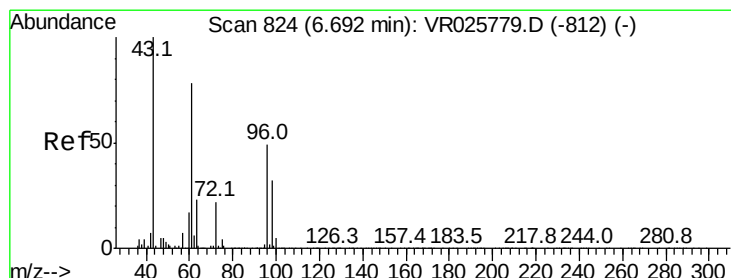
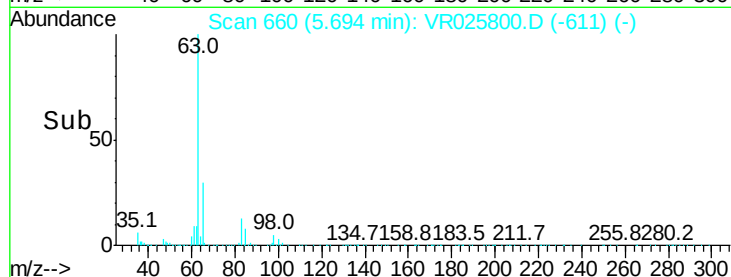
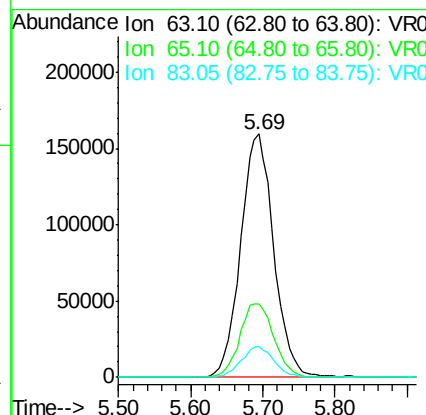
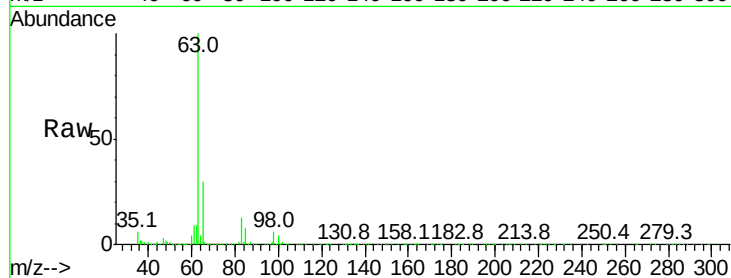




#19
 1,1-Dichloroethane
 Concen: 4.720 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VR025800.D
 Acq: 21 Sep 2018 14:31

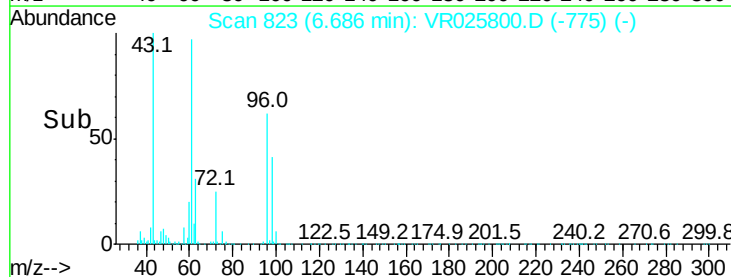
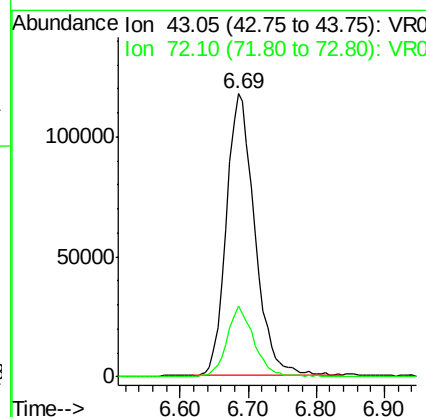
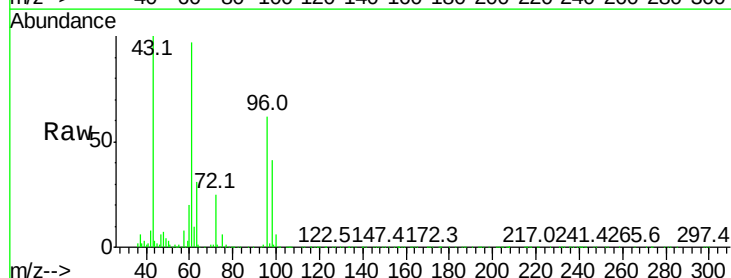
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00521

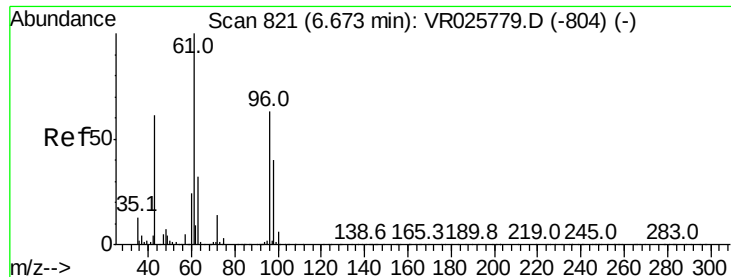
Tgt Ion:	63	Resp:	506886
Ion	Ratio	Lower	Upper
63	100		
65	30.1	22.7	42.1
83	12.7	9.3	17.3



#21
 2-Butanone
 Concen: 58.146 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: VR025800.D
 Acq: 21 Sep 2018 14:31

Tgt Ion:	43	Resp:	341274
Ion	Ratio	Lower	Upper
43	100		
72	23.8	12.4	37.0



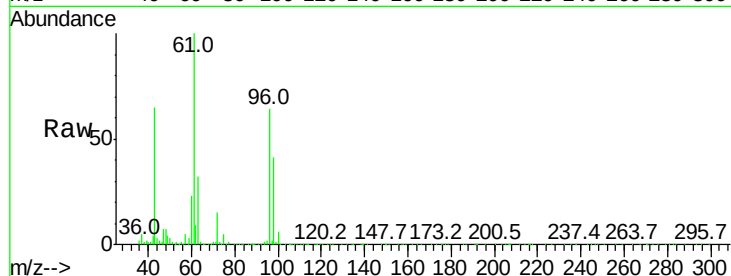


#22

cis-1,2-Dichloroethene
Concen: 4.641 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR025800.D
Acq: 21 Sep 2018 14:31

Instrument :
MSVOA_R
ClientSampleId :
VSTD00521

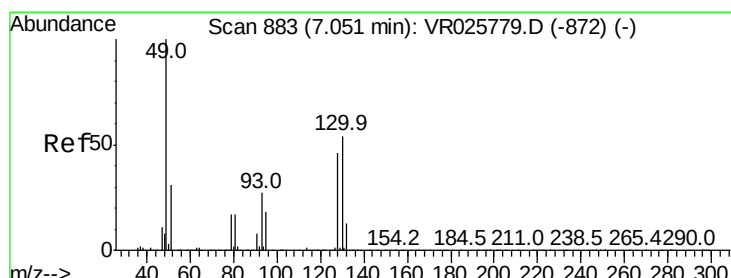
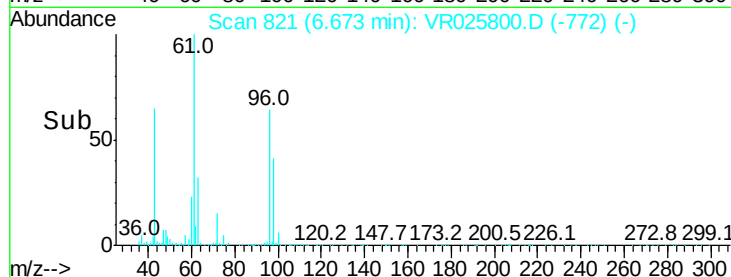
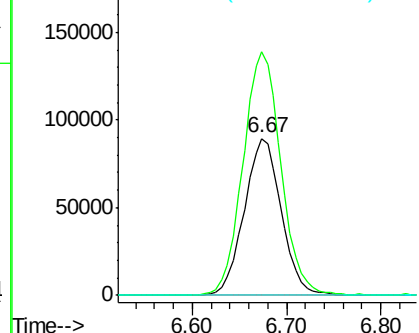
Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.3	110.8	205.8
68	0.1	0.1	0.1



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

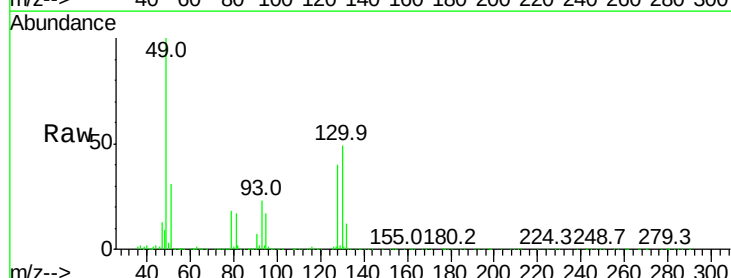
Ion 68.15 (67.85 to 68.85): VR0



#23

Bromochloromethane
Concen: 4.375 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR025800.D
Acq: 21 Sep 2018 14:31

Tgt Ion	Ratio	Lower	Upper
128	100		
49	250.0	161.5	299.9
130	122.3	89.5	166.1
51	77.7	58.4	87.6

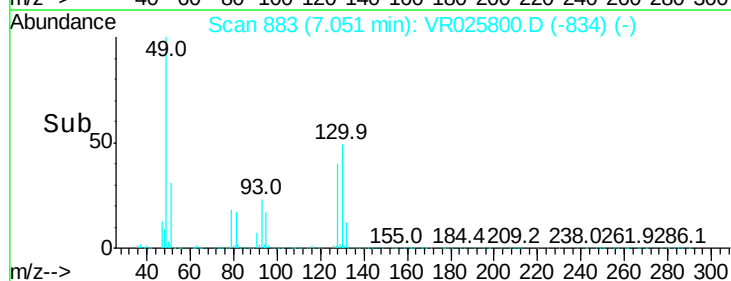
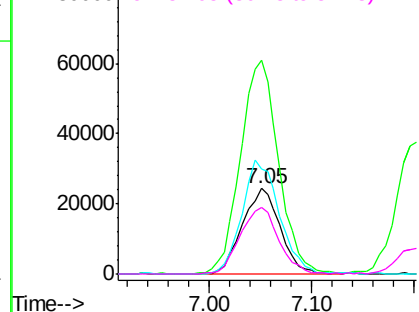


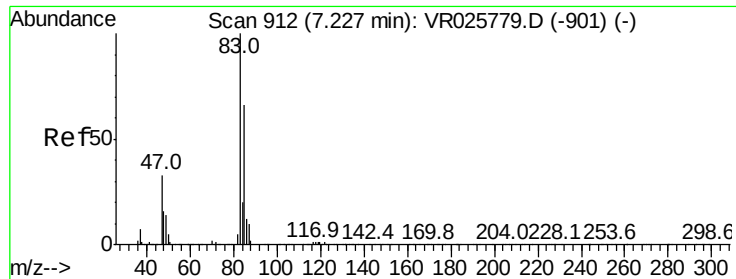
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VR0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VR0

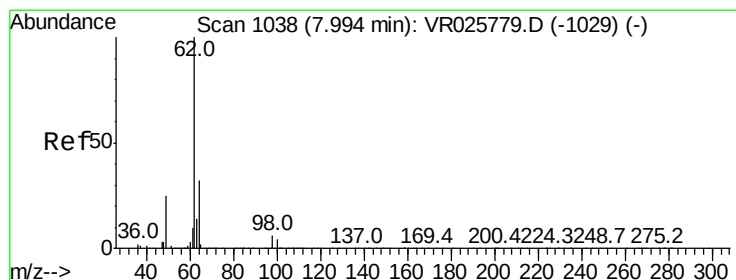
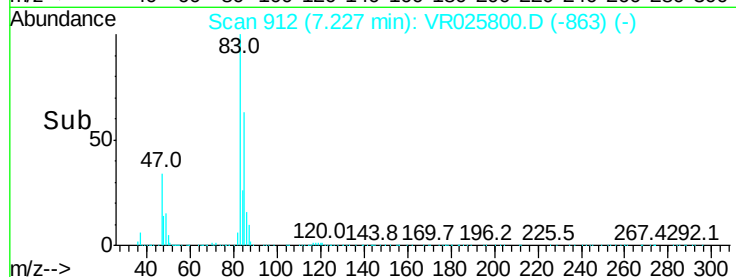
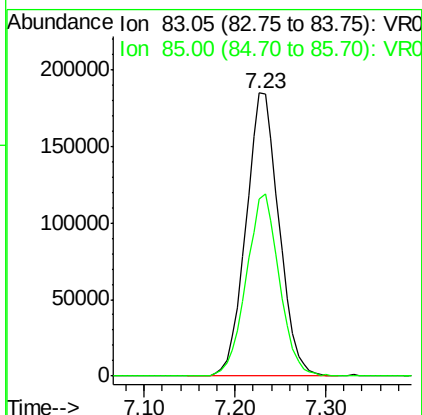
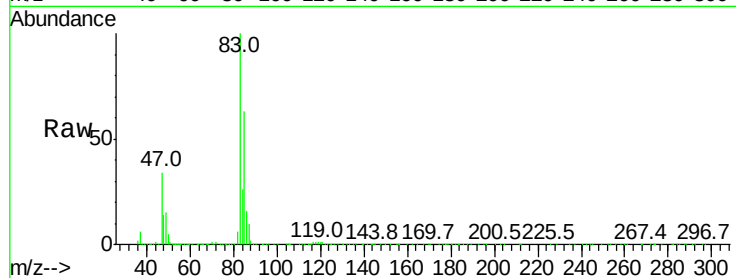




#25
Chloroform
Concen: 4.678 ug/L
RT: 7.23 min Scan# 912
Delta R.T. 0.00 min
Lab File: VR025800.D
Acq: 21 Sep 2018 14:31

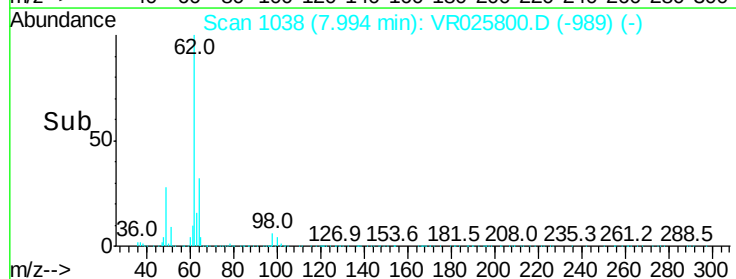
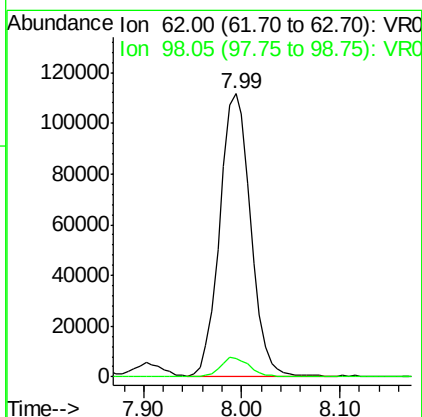
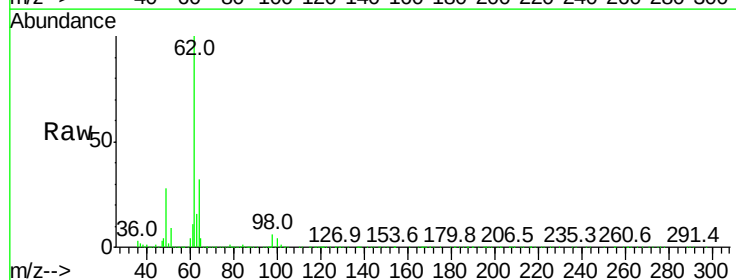
Instrument :
MSVOA_R
ClientSampleId :
VSTD00521

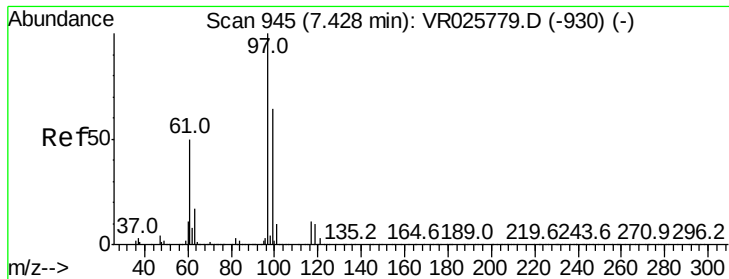
Tgt Ion: 83 Resp: 464386
Ion Ratio Lower Upper
83 100
85 62.6 44.8 83.2



#27
1,2-Dichloroethane
Concen: 4.893 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR025800.D
Acq: 21 Sep 2018 14:31

Tgt Ion: 62 Resp: 243570
Ion Ratio Lower Upper
62 100
98 6.5 5.5 8.3

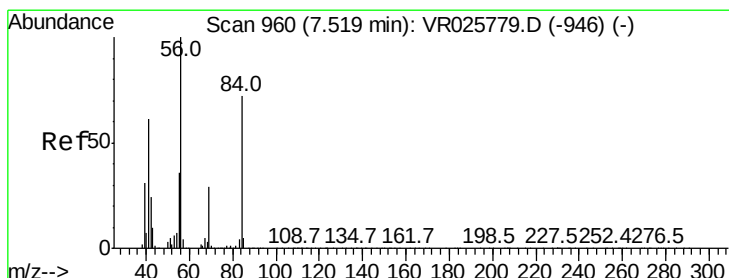
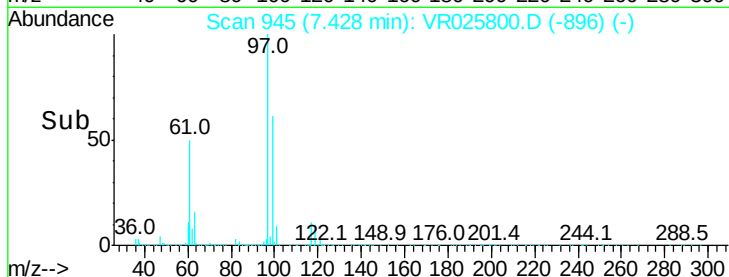
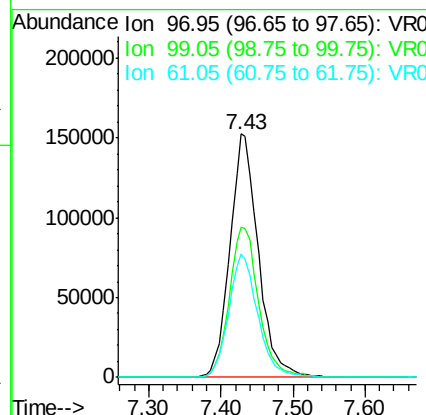
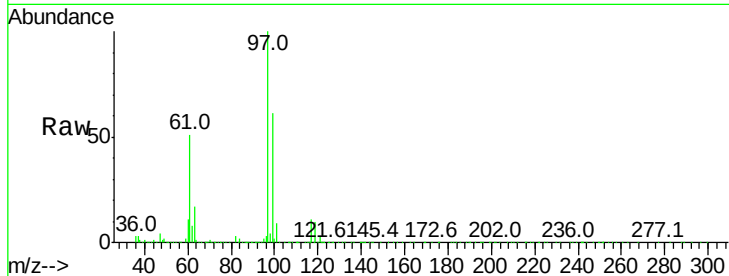




#29
 1,1,1-Trichloroethane
 Concen: 4.470 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VR025800.D
 Acq: 21 Sep 2018 14:31

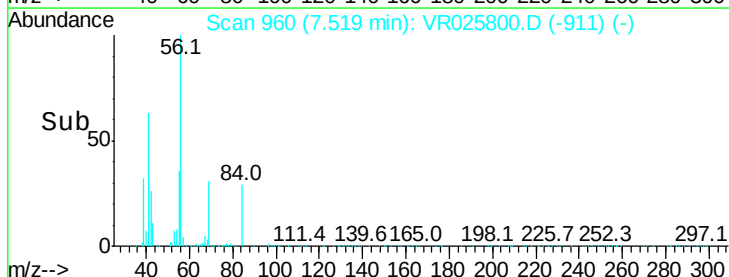
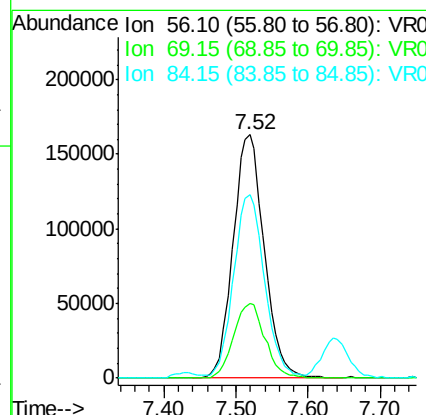
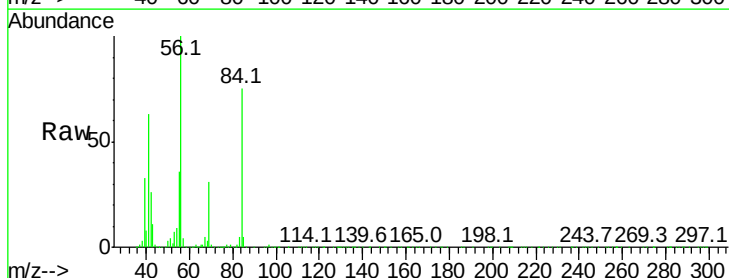
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00521

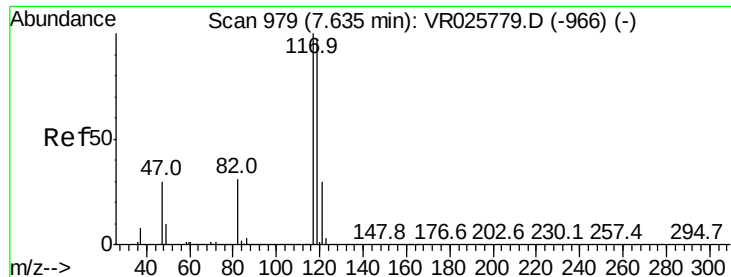
Tgt Ion:	97	Resp:	416846
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	52.0	40.4	60.6



#30
 Cyclohexane
 Concen: 4.727 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: VR025800.D
 Acq: 21 Sep 2018 14:31

Tgt Ion:	56	Resp:	489184
Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.0	36.0
84	74.8	60.2	90.4





#31

Carbon tetrachloride

Concen: 4.284 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

Instrument :

MSVOA_R

ClientSampled :

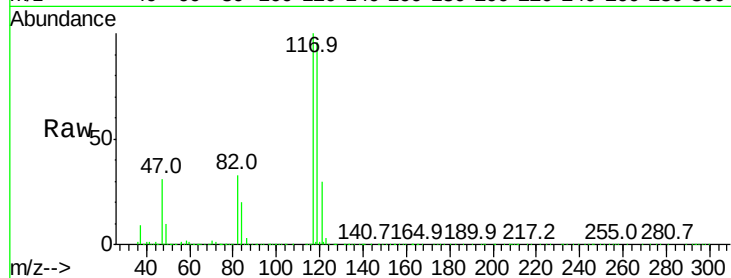
VSTD00521

Tgt Ion:117 Resp: 345391

Ion Ratio Lower Upper

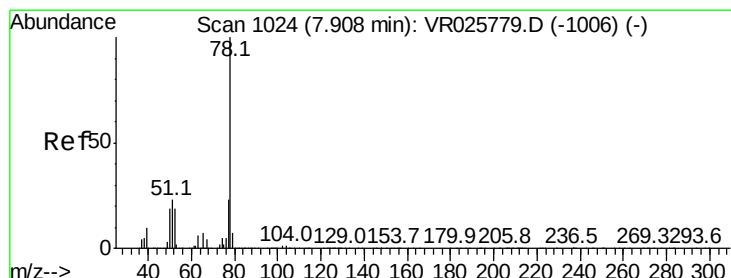
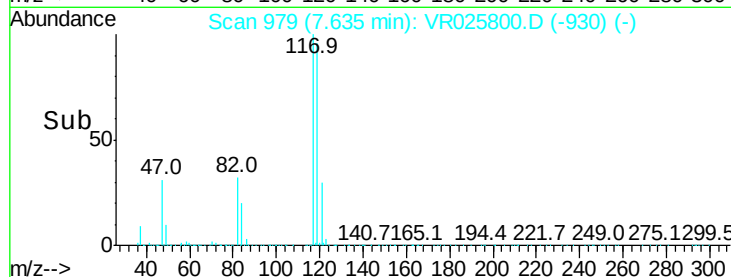
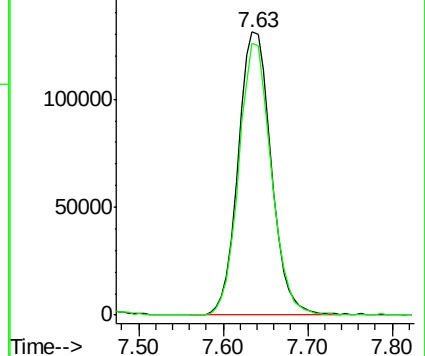
117 100

119 94.5 76.5 114.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.036 ug/L

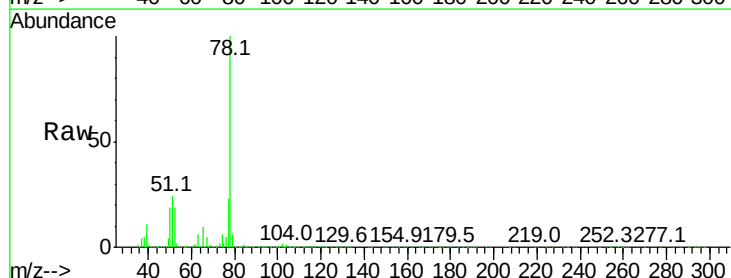
RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

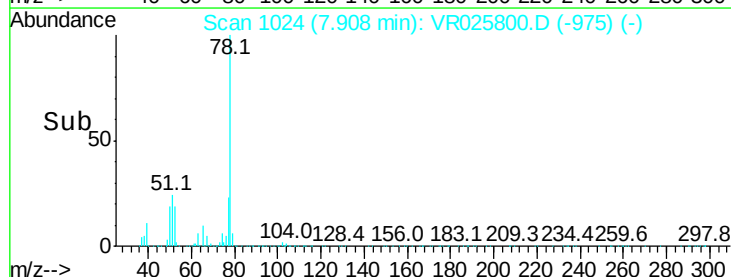
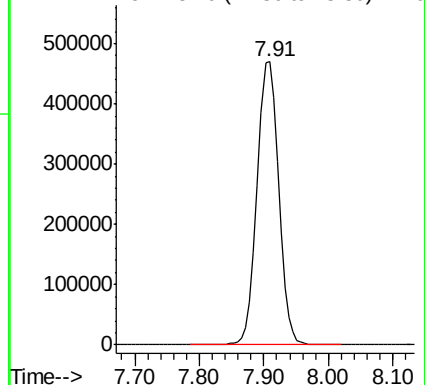
Lab File: VR025800.D

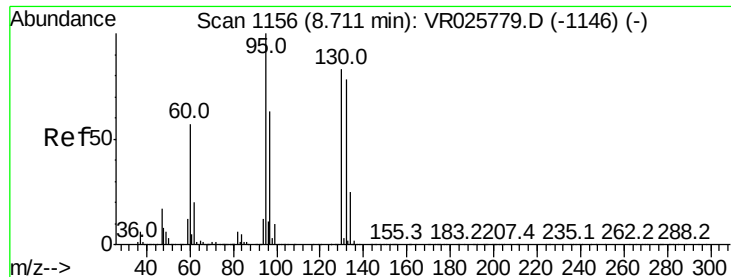
Acq: 21 Sep 2018 14:31

Tgt Ion: 78 Resp: 1080067



Abundance Ion 78.10 (77.80 to 78.80): VR0

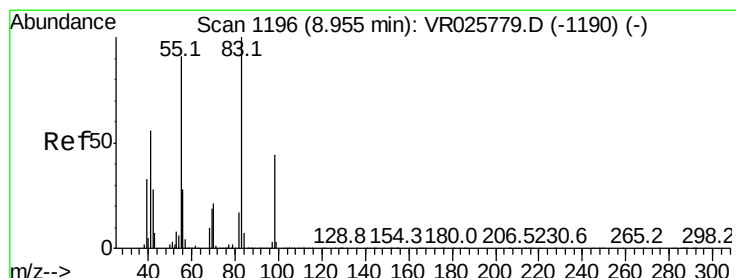
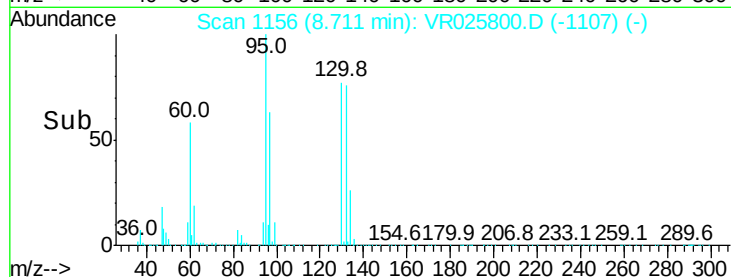
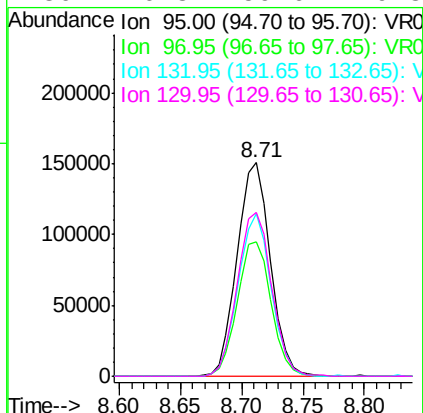
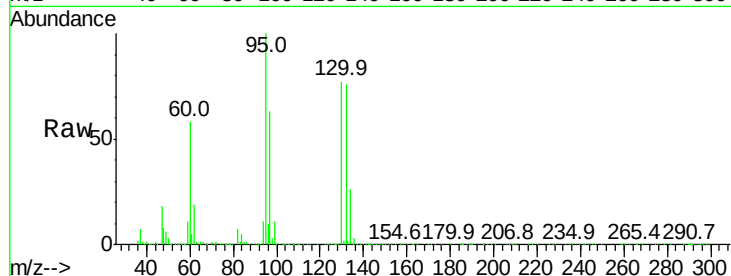




#34
 Trichloroethene
 Concen: 4.800 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VR025800.D
 Acq: 21 Sep 2018 14:31

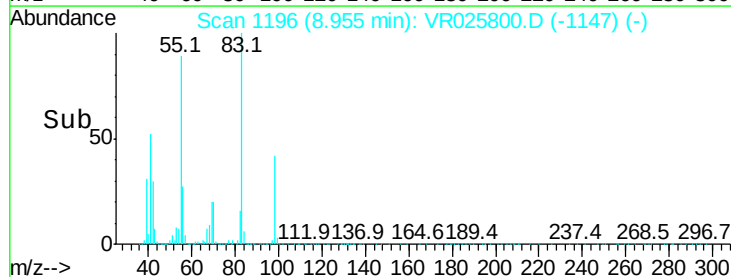
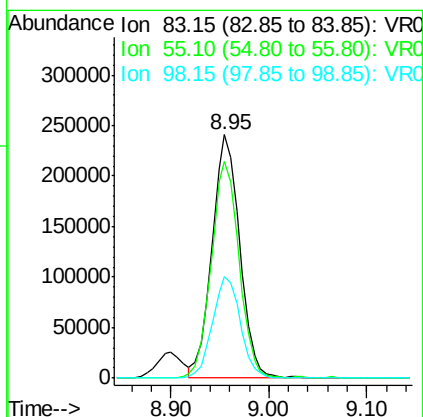
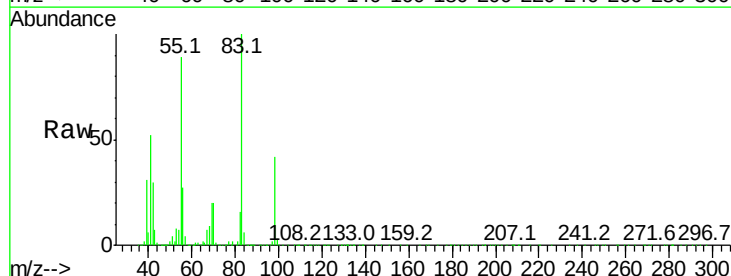
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00521

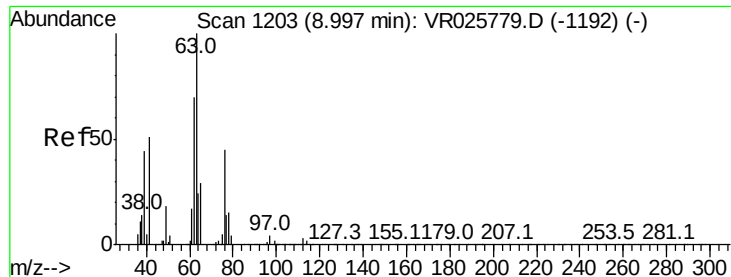
Tgt Ion: 95 Resp: 284704
 Ion Ratio Lower Upper
 95 100
 97 62.7 46.2 85.8
 132 76.1 56.0 104.0
 130 76.8 59.6 110.8



#35
 Methylcyclohexane
 Concen: 4.832 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VR025800.D
 Acq: 21 Sep 2018 14:31

Tgt Ion: 83 Resp: 470442
 Ion Ratio Lower Upper
 83 100
 55 89.7 70.3 105.5
 98 42.8 34.4 51.6

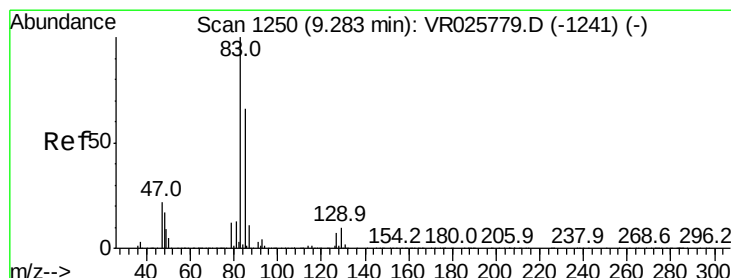
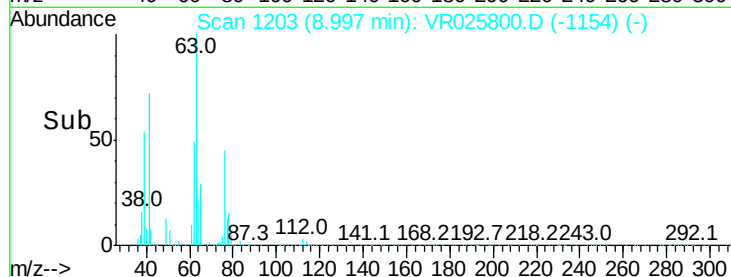
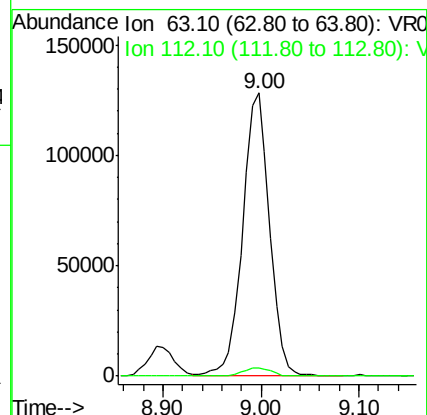
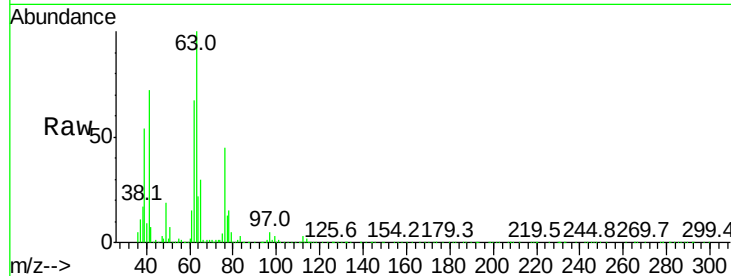




#37
 1,2-Dichloropropane
 Concen: 5.201 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VR025800.D
 Acq: 21 Sep 2018 14:31

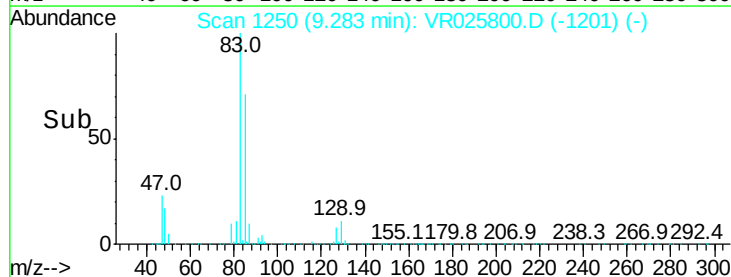
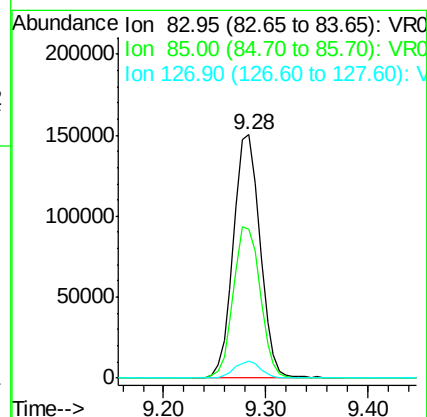
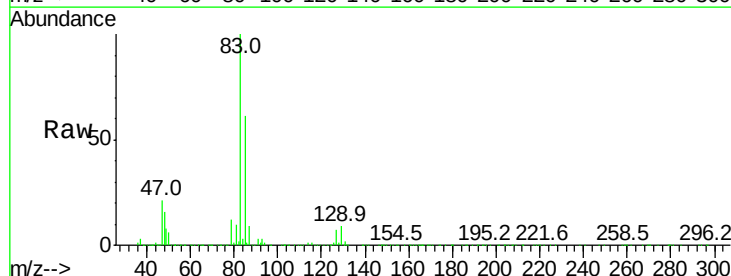
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00521

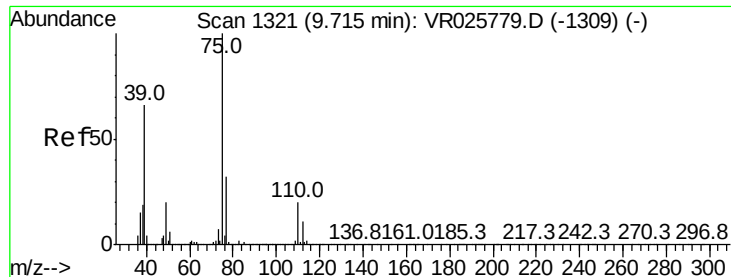
Tgt Ion: 63 Resp: 243102
 Ion Ratio Lower Upper
 63 100
 112 3.1 3.0 4.6



#38
 Bromodichloromethane
 Concen: 4.656 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VR025800.D
 Acq: 21 Sep 2018 14:31

Tgt Ion: 83 Resp: 270966
 Ion Ratio Lower Upper
 83 100
 85 61.1 44.2 82.0
 127 7.0 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 4.839 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.01 min

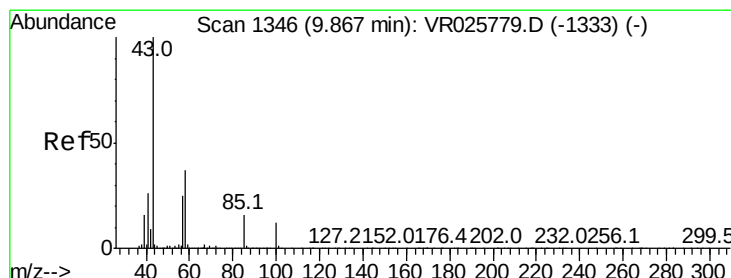
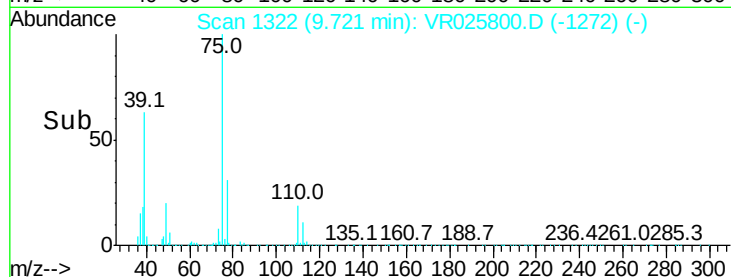
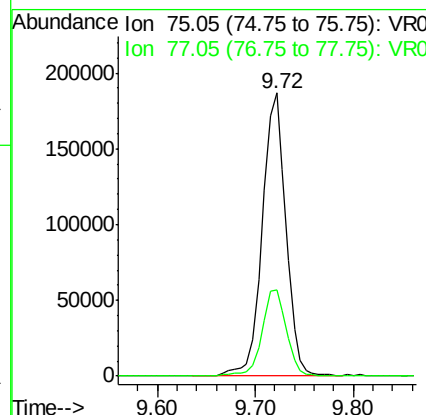
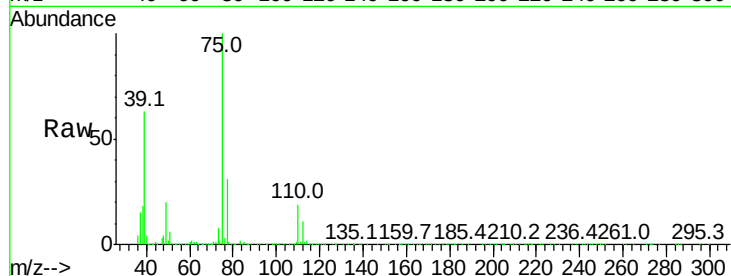
Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

Instrument :
MSVOA_R
ClientSampleId :
VSTD00521

Tgt Ion: 75 Resp: 312703

Ion	Ratio	Lower	Upper
75	100		
77	30.7	21.2	39.4



#40

4-Methyl-2-pentanone

Concen: 52.188 ug/L

RT: 9.87 min Scan# 1346

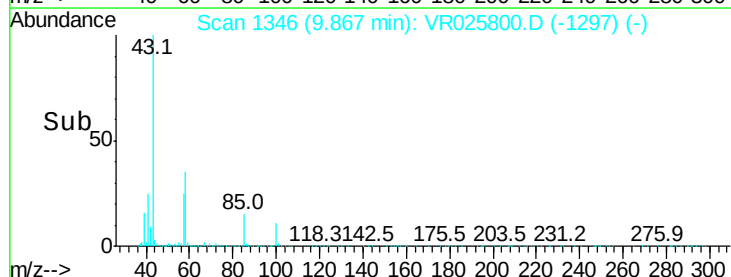
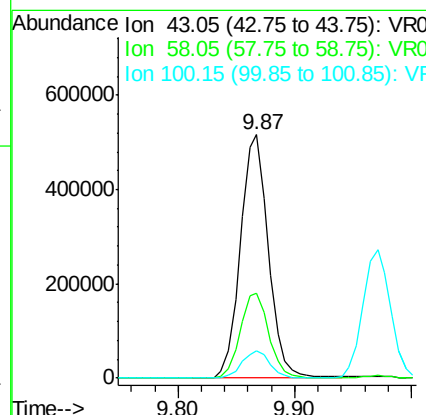
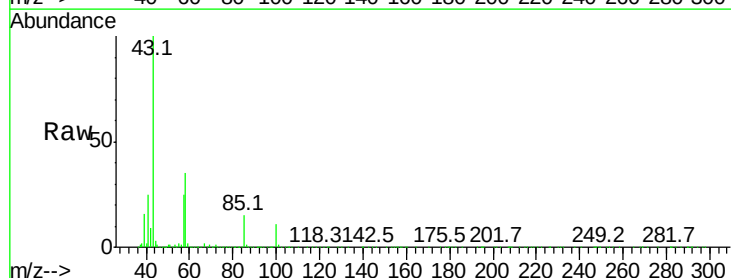
Delta R.T. 0.00 min

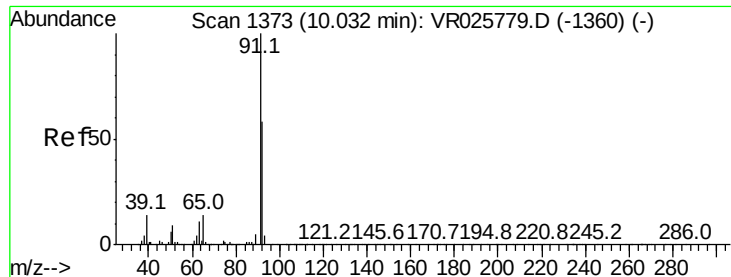
Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

Tgt Ion: 43 Resp: 862413

Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.3	42.5
100	11.2	9.3	13.9





#42

Toluene

Concen: 5.141 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

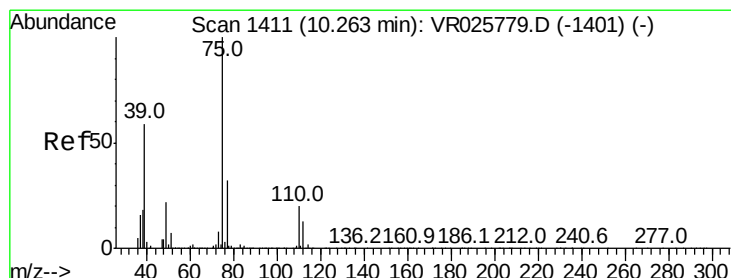
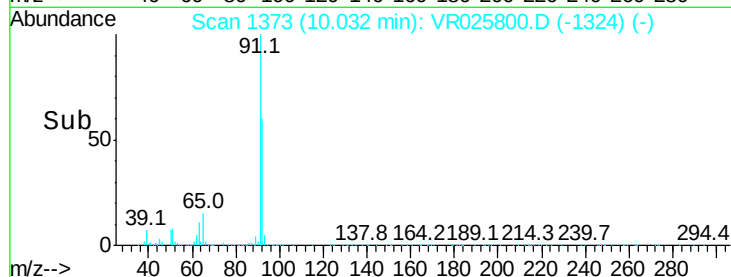
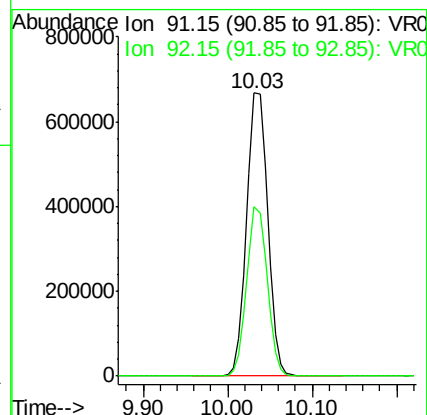
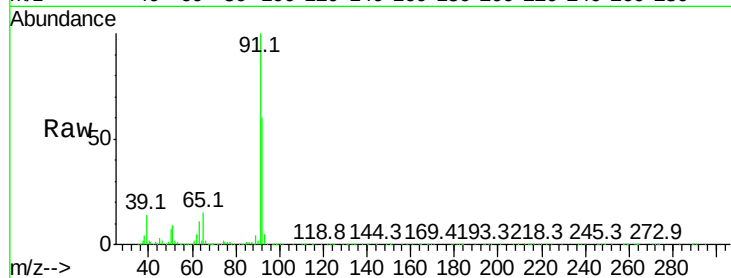
VSTD00521

Tgt Ion: 91 Resp: 1118373

Ion Ratio Lower Upper

91 100

92 59.7 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 4.527 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR025800.D

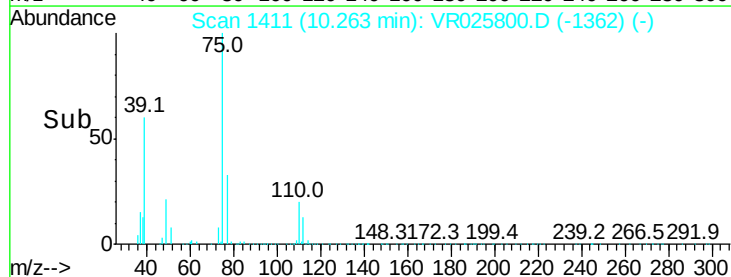
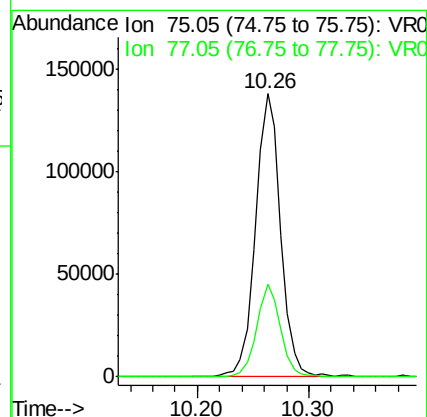
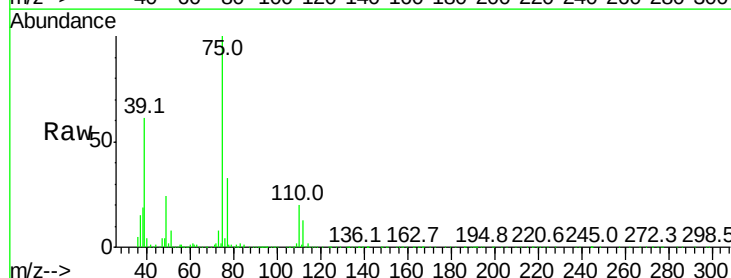
Acq: 21 Sep 2018 14:31

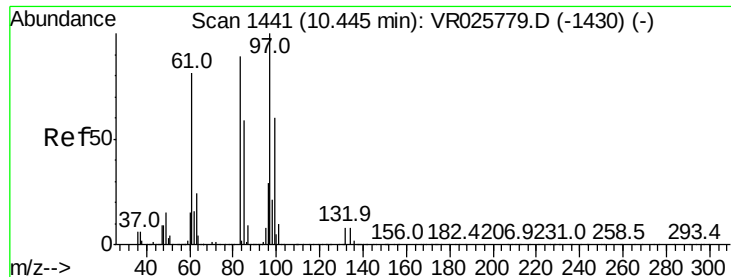
Tgt Ion: 75 Resp: 215165

Ion Ratio Lower Upper

75 100

77 32.9 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 5.029 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

Instrument :

MSVOA_R

ClientSampled :

VSTD00521

Tgt Ion: 97 Resp: 102078

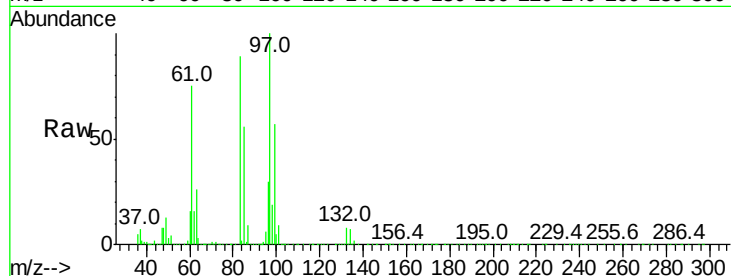
Ion Ratio Lower Upper

97 100

99 56.6 41.2 76.4

83 88.9 61.3 113.9

85 55.9 38.9 72.2

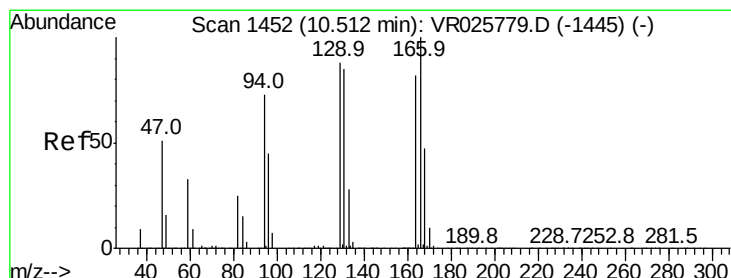
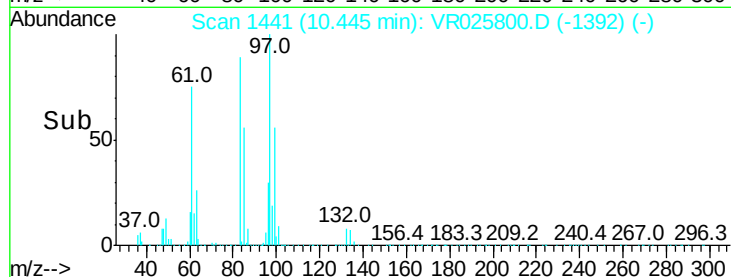
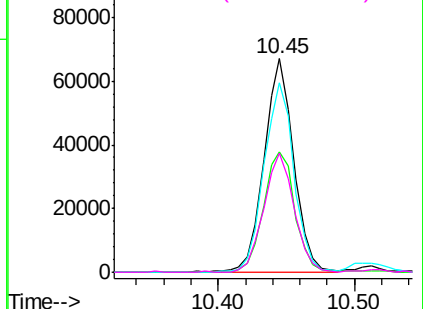


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 4.522 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

Tgt Ion: 164 Resp: 158873

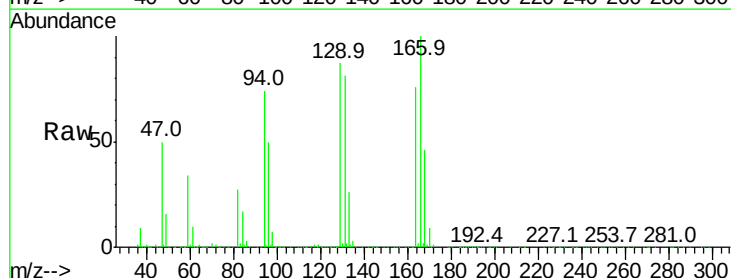
Ion Ratio Lower Upper

164 100

129 115.5 77.5 143.9

131 106.4 74.3 138.1

166 132.1 91.1 169.1

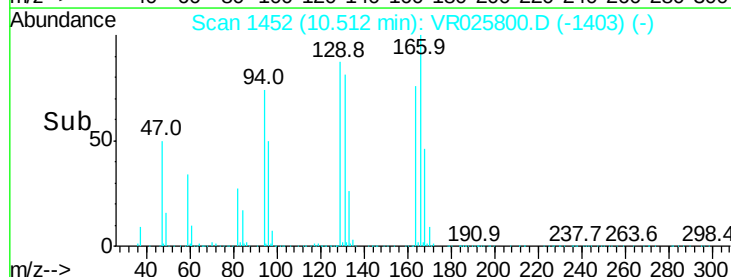
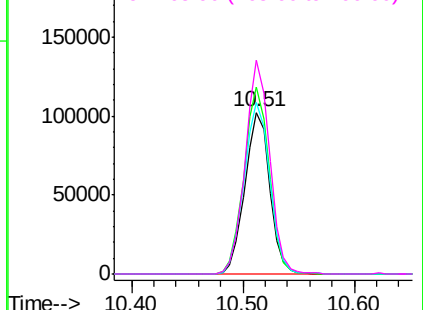


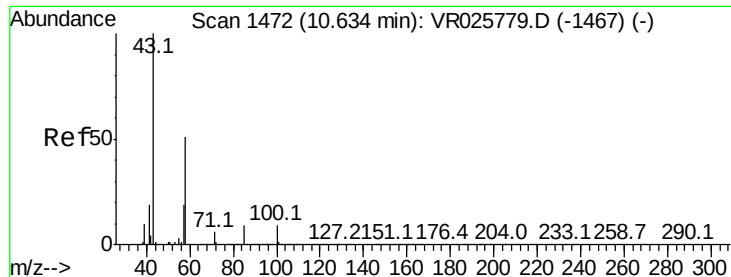
Abundance Ion 163.90 (163.60 to 164.60): V

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

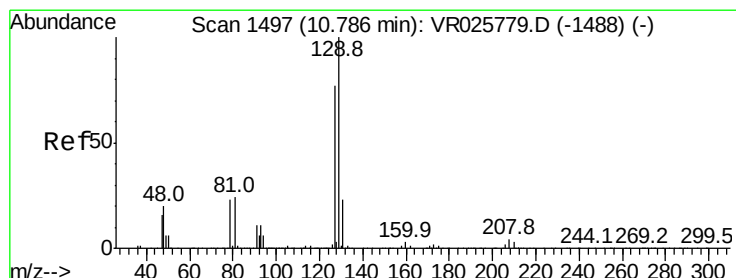
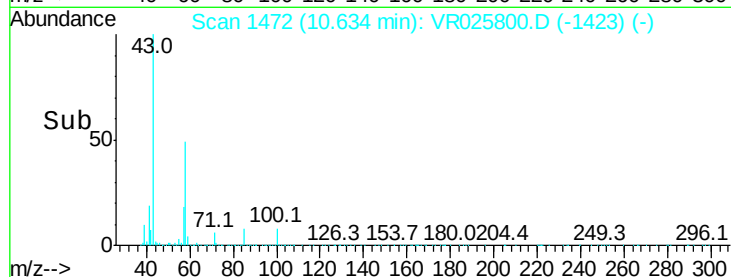
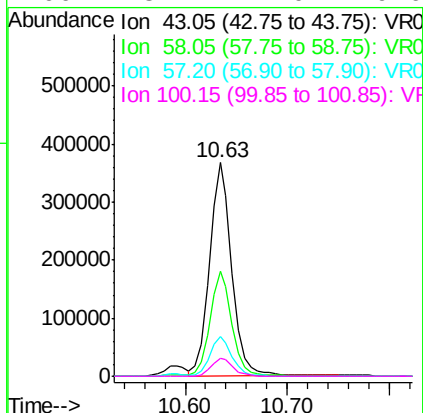
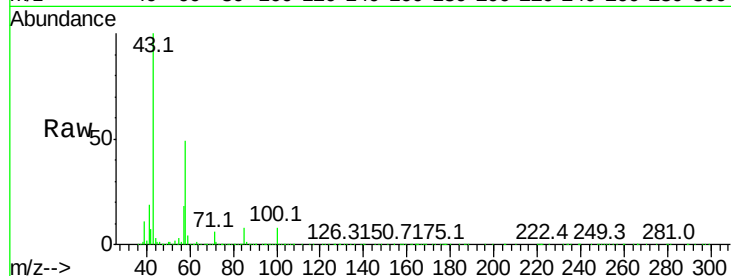




#48
2-Hexanone
Concen: 50.857 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025800.D
Acq: 21 Sep 2018 14:31

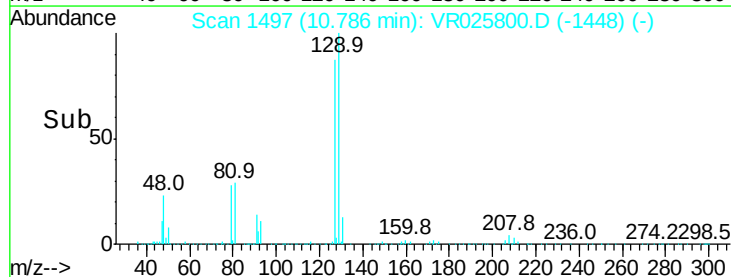
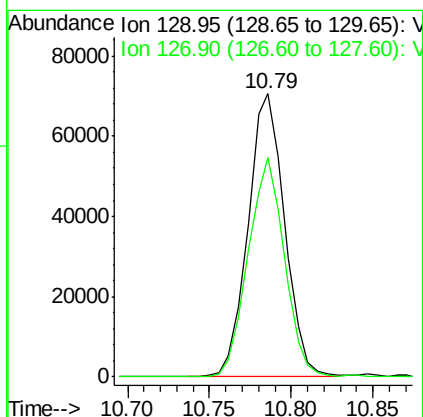
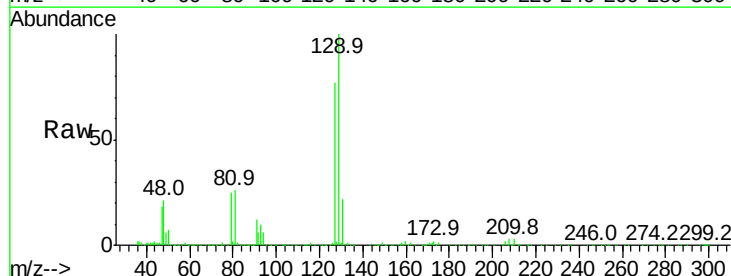
Instrument :
MSVOA_R
ClientSampled :
VSTD00521

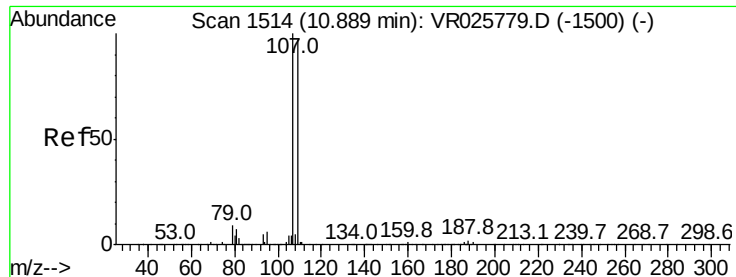
Tgt Ion: 43 Resp: 559418
Ion Ratio Lower Upper
43 100
58 49.4 39.9 59.9
57 18.2 14.3 21.5
100 8.4 7.0 10.6



#49
Dibromochloromethane
Concen: 4.343 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR025800.D
Acq: 21 Sep 2018 14:31

Tgt Ion: 129 Resp: 110044
Ion Ratio Lower Upper
129 100
127 77.3 51.9 96.5

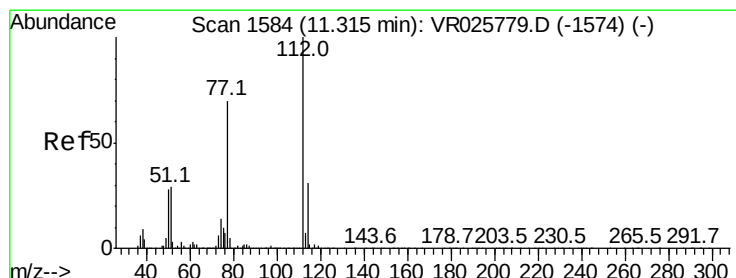
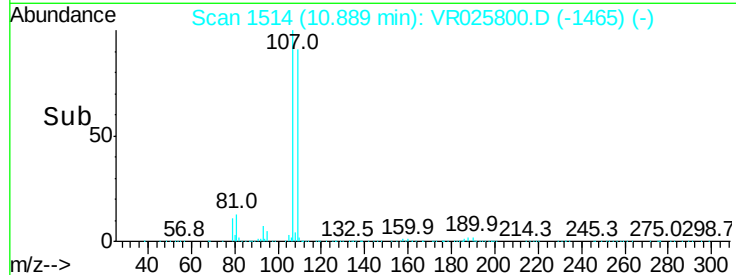
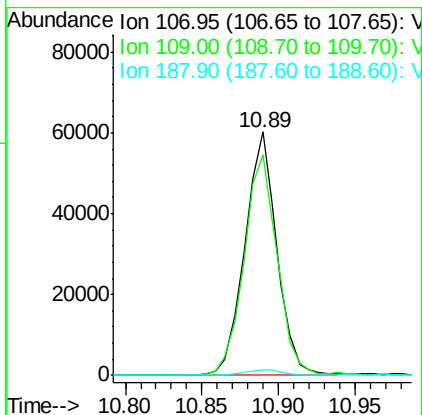
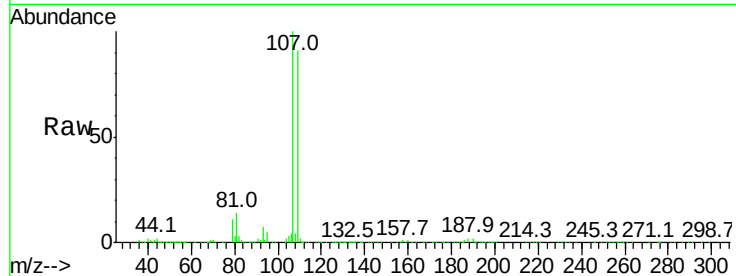




#50
1,2-Dibromoethane
Concen: 4.722 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR025800.D
Acq: 21 Sep 2018 14:31

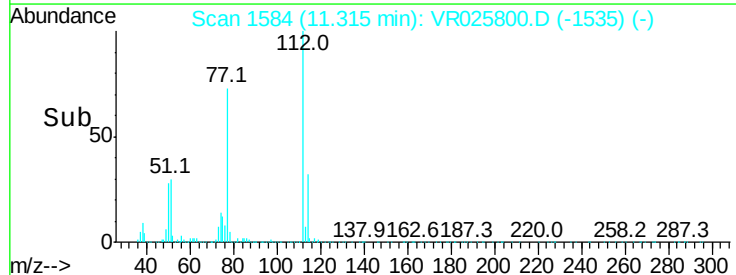
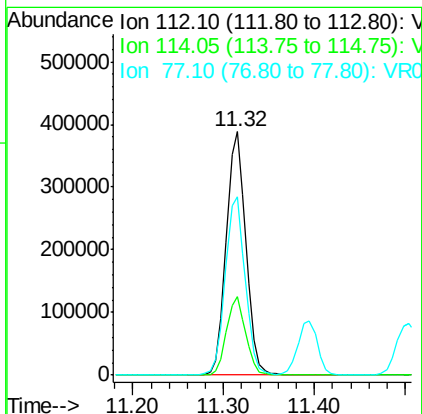
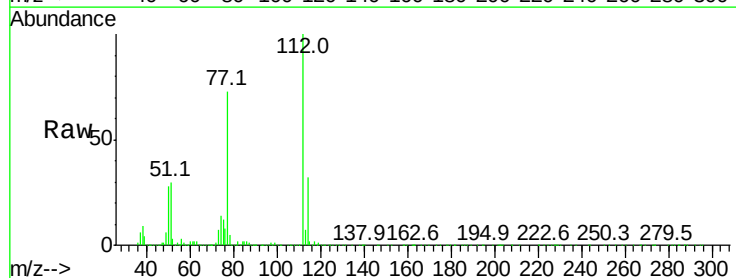
Instrument :
MSVOA_R
ClientSampleId :
VSTD00521

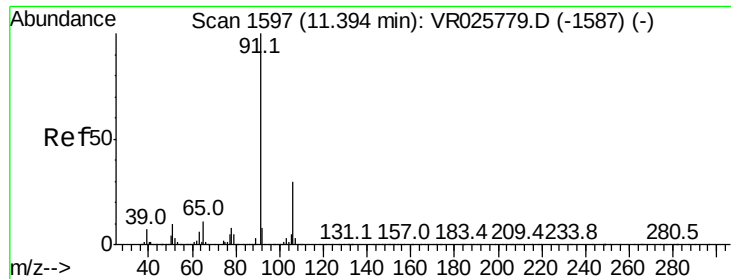
Tgt Ion:107 Resp: 87330
Ion Ratio Lower Upper
107 100
109 90.7 65.3 121.3
188 2.1 2.0 3.0



#51
Chlorobenzene
Concen: 4.913 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR025800.D
Acq: 21 Sep 2018 14:31

Tgt Ion:112 Resp: 584282
Ion Ratio Lower Upper
112 100
114 32.5 22.0 41.0
77 73.1 56.3 84.5





#52

Ethylbenzene

Concen: 5.118 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

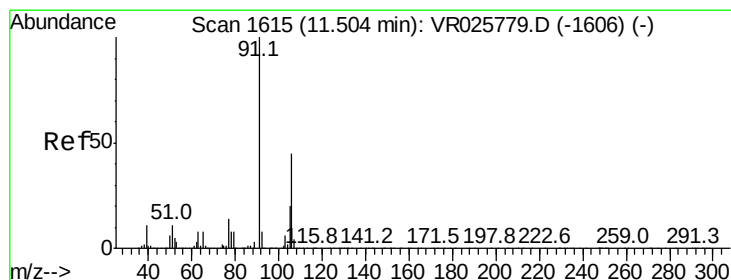
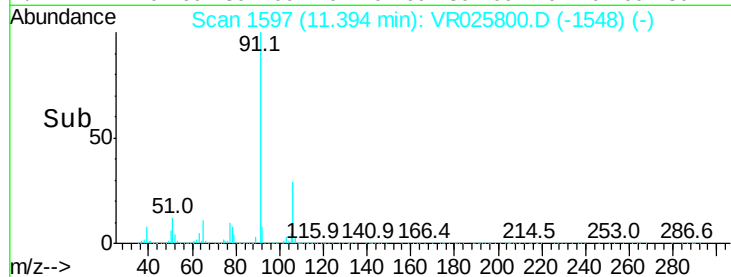
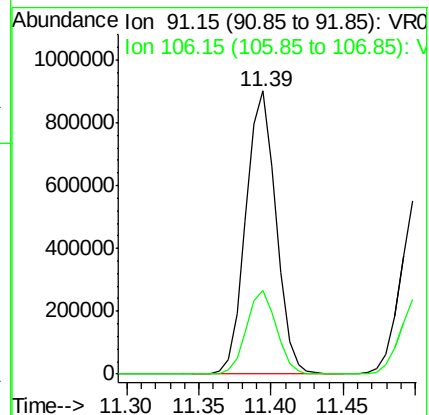
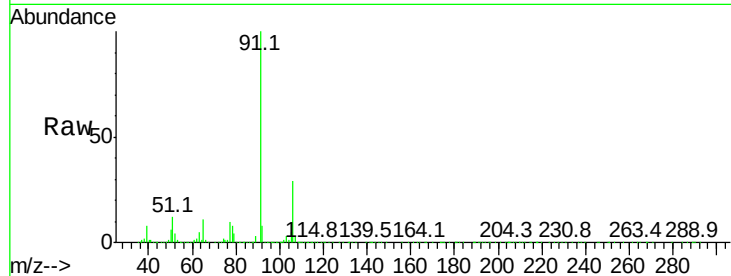
VSTD00521

Tgt Ion: 91 Resp: 1302761

Ion Ratio Lower Upper

91 100

106 29.5 21.4 39.8



#53

m,p-Xylene

Concen: 4.932 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025800.D

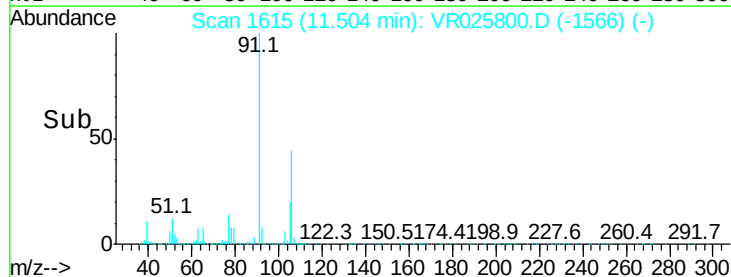
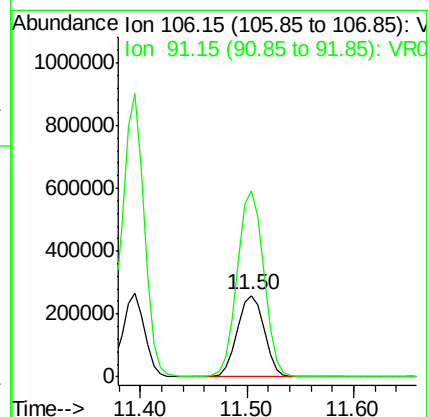
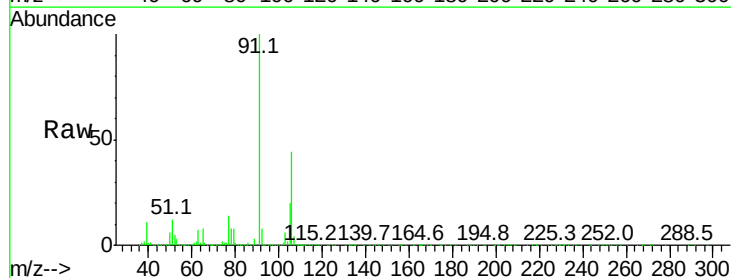
Acq: 21 Sep 2018 14:31

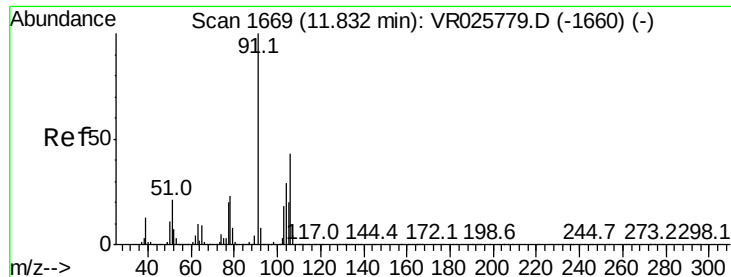
Tgt Ion: 106 Resp: 463880

Ion Ratio Lower Upper

106 100

91 228.1 154.3 286.5

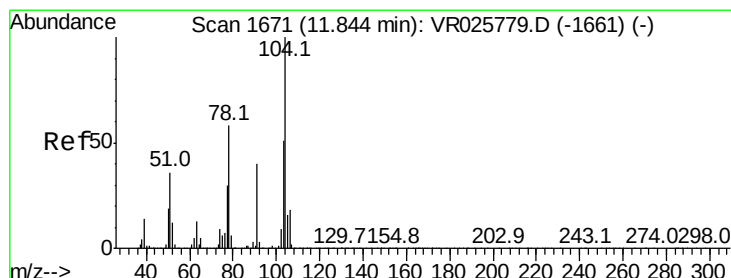
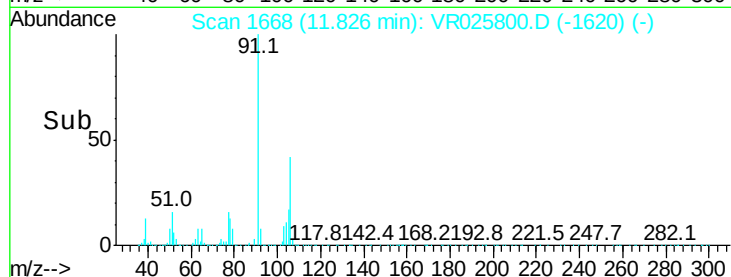
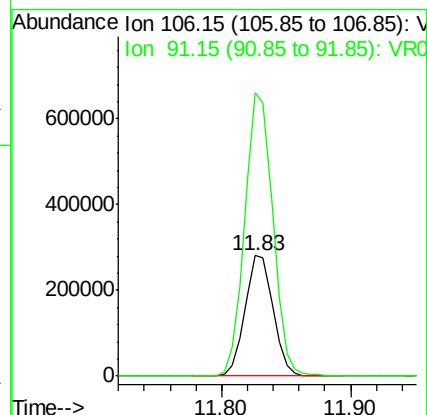
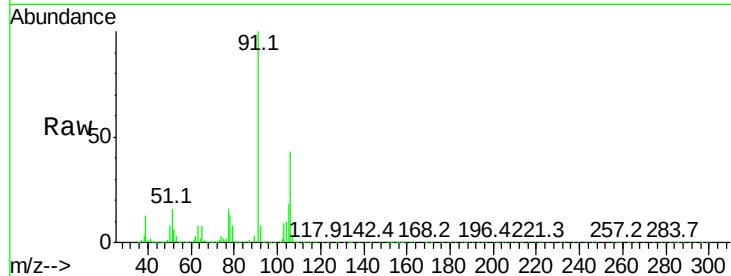




#54
o-Xylene
Concen: 4.854 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VR025800.D
Acq: 21 Sep 2018 14:31

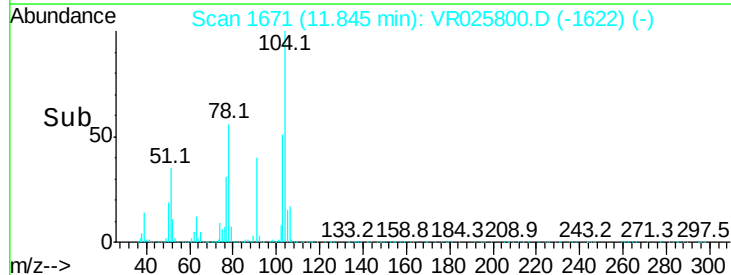
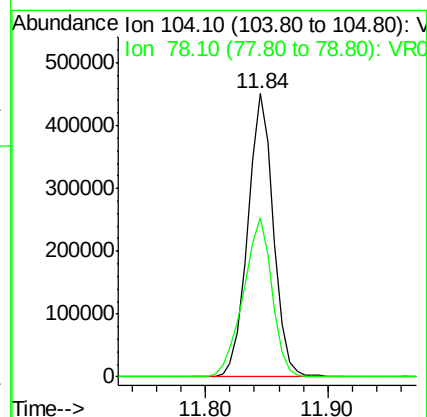
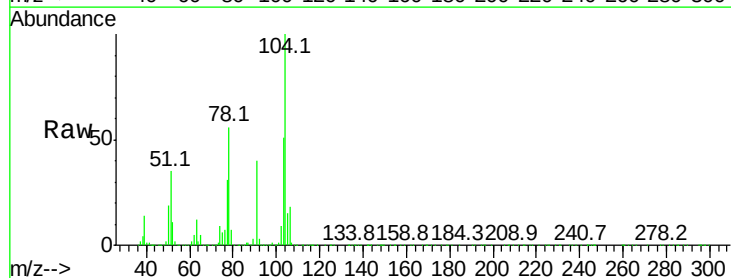
Instrument :
MSVOA_R
ClientSampled :
VSTD00521

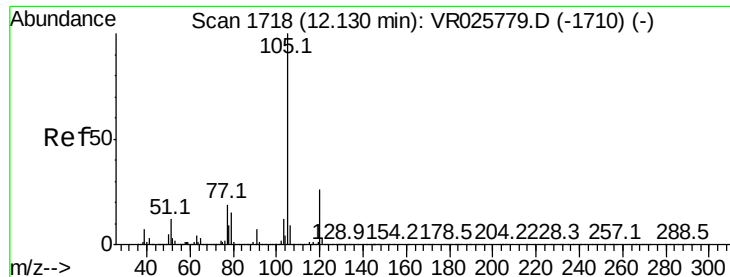
Tgt Ion:106 Resp: 421256
Ion Ratio Lower Upper
106 100
91 235.0 167.1 310.3



#55
Styrene
Concen: 4.863 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR025800.D
Acq: 21 Sep 2018 14:31

Tgt Ion:104 Resp: 653375
Ion Ratio Lower Upper
104 100
78 56.1 38.1 70.9





#56

Isopropylbenzene

Concen: 4.981 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

Instrument :

MSVOA_R

ClientSampled :

VSTD00521

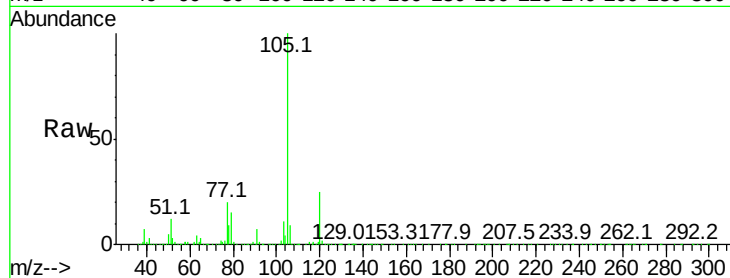
Tgt Ion:105 Resp: 1197956

Ion Ratio Lower Upper

105 100

120 24.8 20.1 30.1

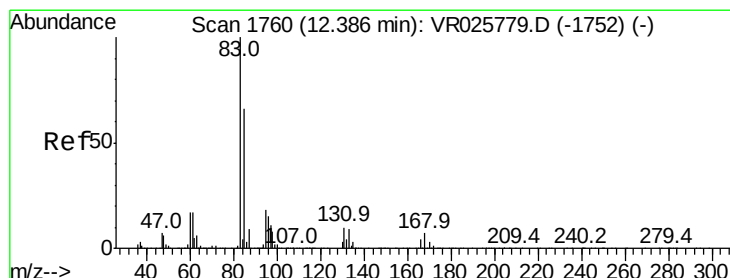
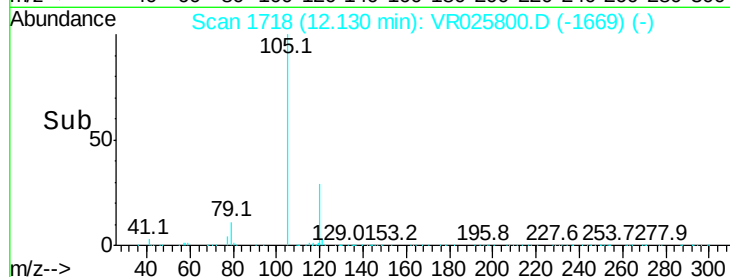
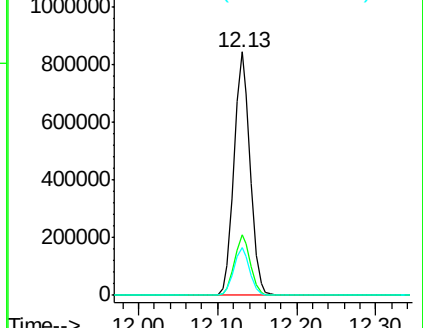
77 19.4 15.3 22.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.599 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

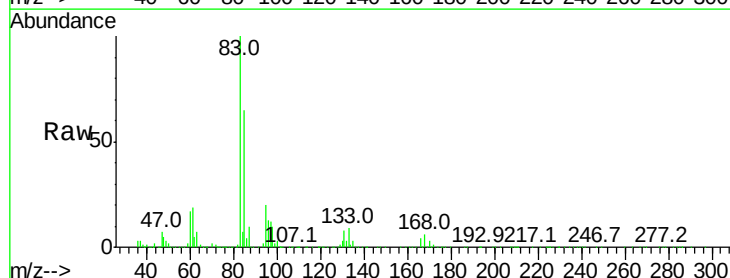
Tgt Ion: 83 Resp: 97304

Ion Ratio Lower Upper

83 100

85 65.4 45.4 84.4

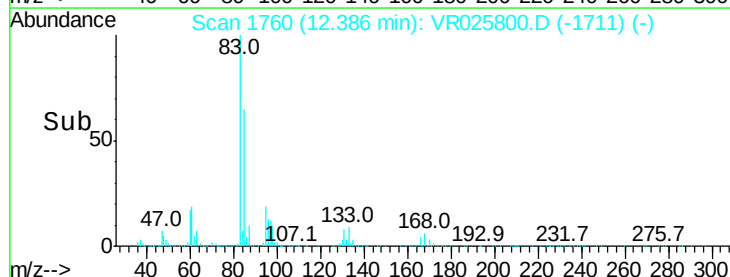
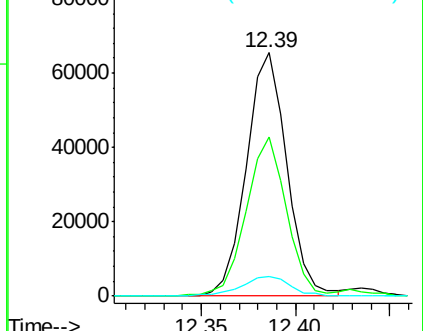
131 8.2 7.5 11.3

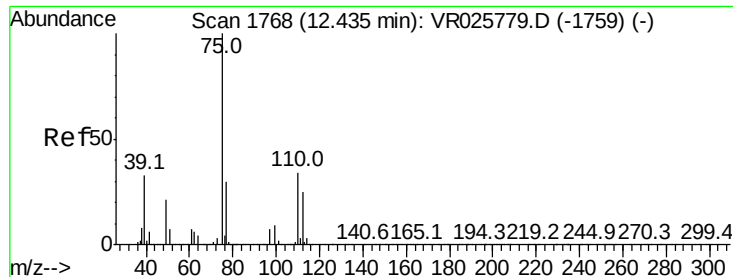


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.602 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

Instrument :

MSVOA_R

ClientSampleId :

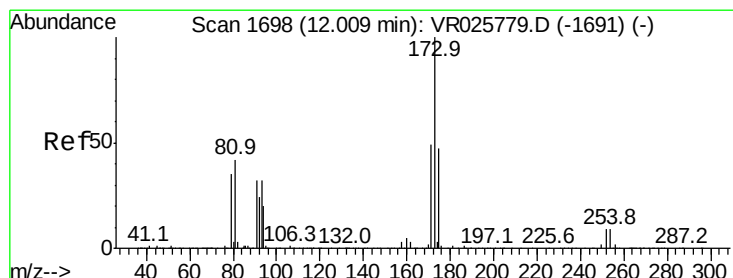
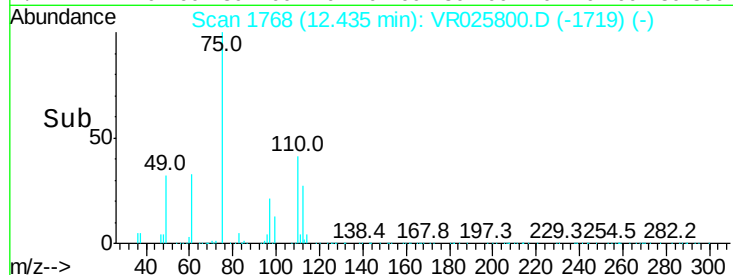
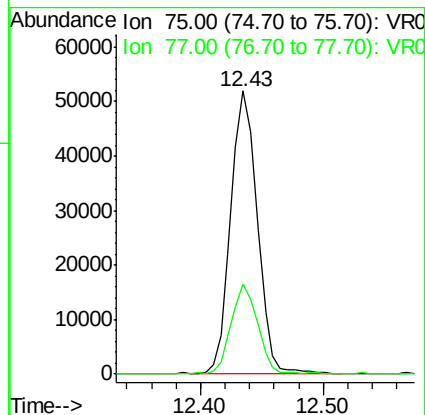
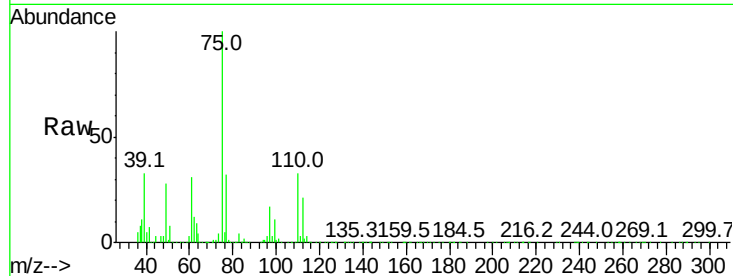
VSTD00521

Tgt Ion: 75 Resp: 77698

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4



#61

Bromoform

Concen: 3.629 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

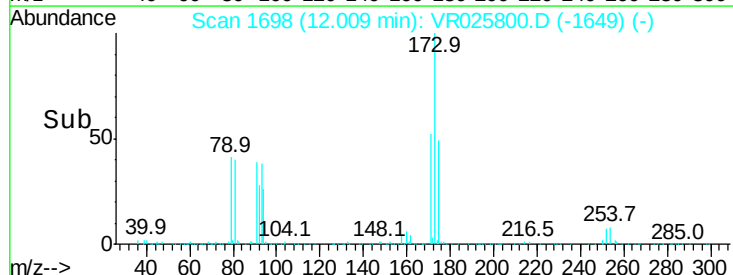
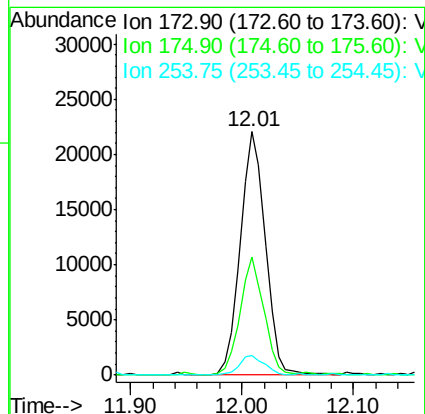
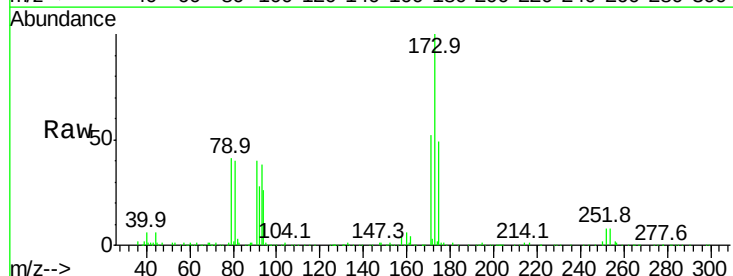
Tgt Ion: 173 Resp: 34353

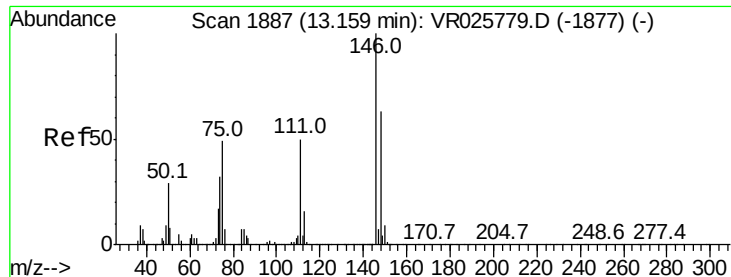
Ion Ratio Lower Upper

173 100

175 46.1 39.9 59.9

254 8.3 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 4.754 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

Instrument :

MSVOA_R

ClientSampled :

VSTD00521

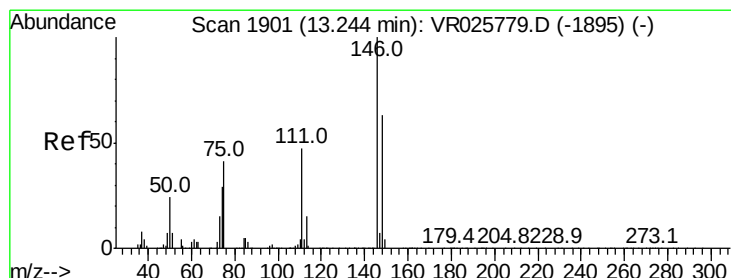
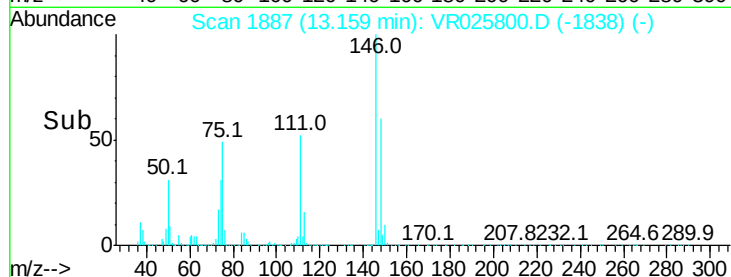
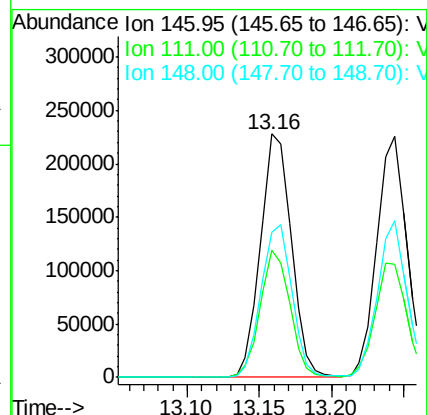
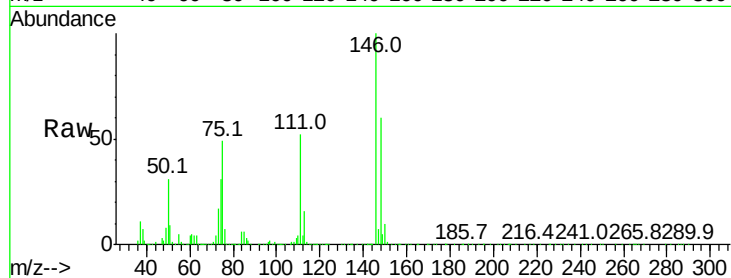
Tgt Ion:146 Resp: 337150

Ion Ratio Lower Upper

146 100

111 52.3 32.1 59.5

148 59.8 44.3 82.3



#63

1,4-Dichlorobenzene

Concen: 4.837 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

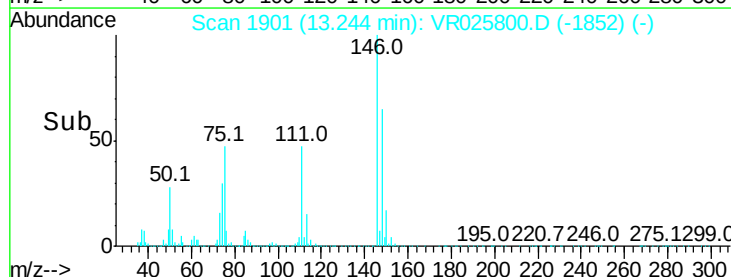
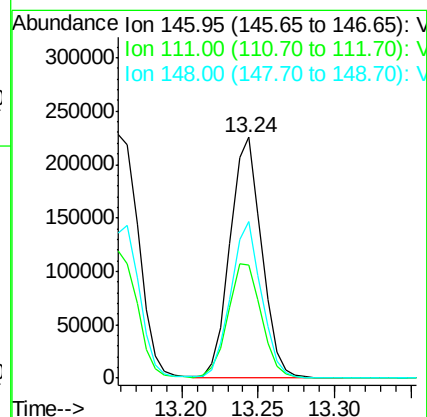
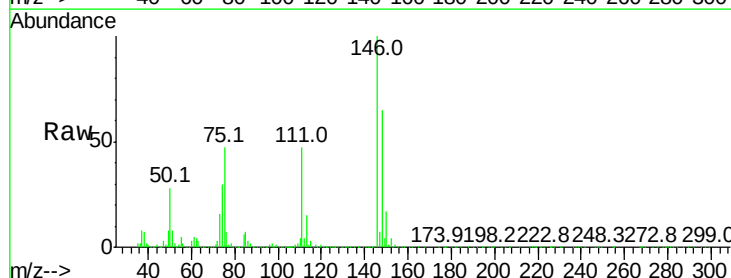
Tgt Ion:146 Resp: 322907

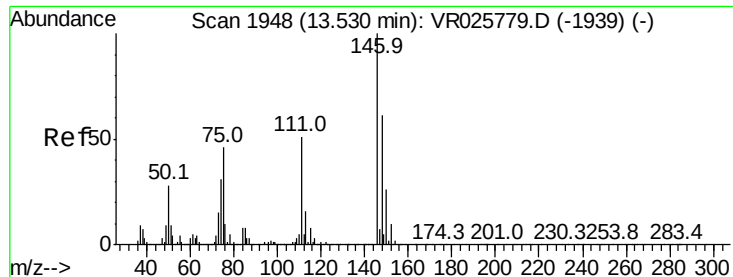
Ion Ratio Lower Upper

146 100

111 47.0 32.3 60.1

148 65.0 44.6 82.8

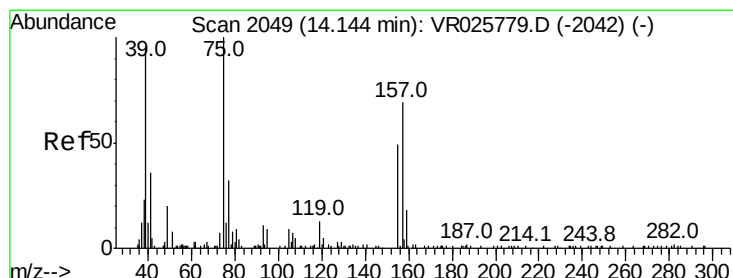
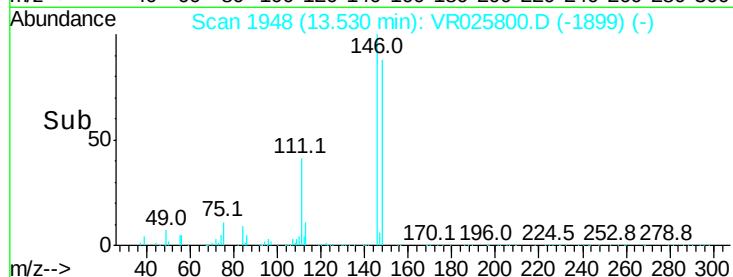
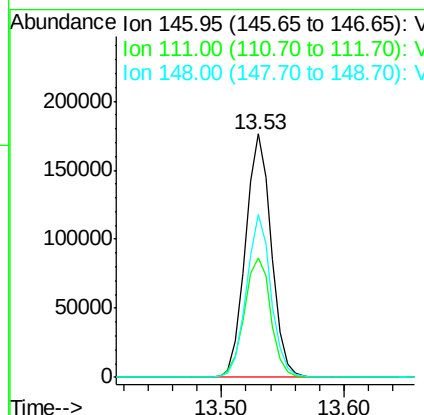
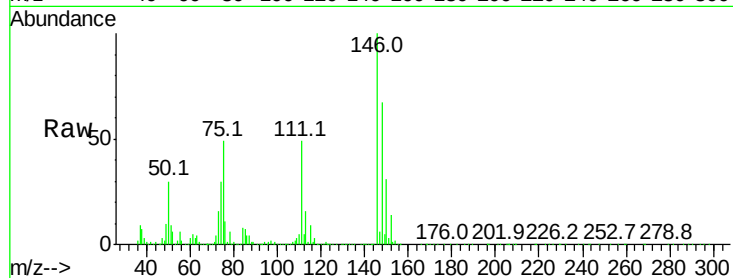




#65
 1,2-Dichlorobenzene
 Concen: 4.878 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR025800.D
 Acq: 21 Sep 2018 14:31

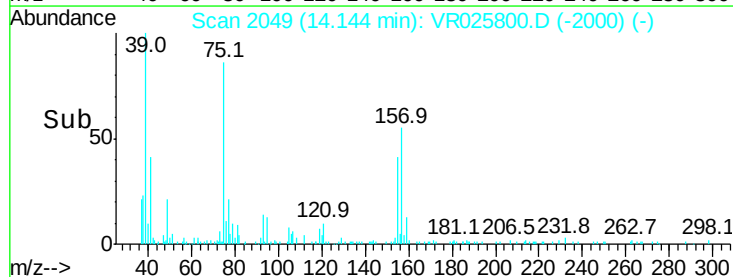
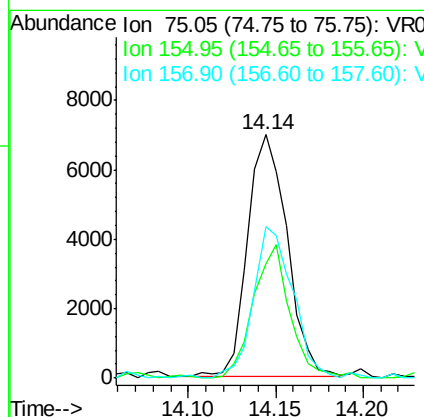
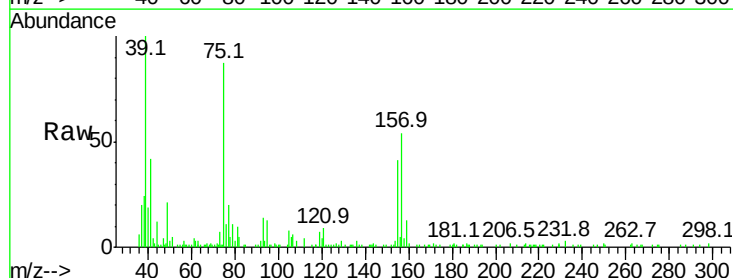
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00521

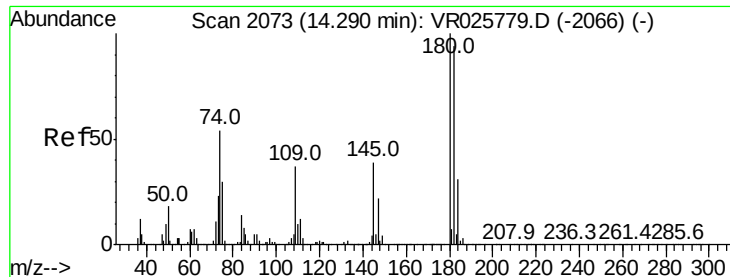
Tgt Ion: 146 Resp: 257725
 Ion Ratio Lower Upper
 146 100
 111 49.2 40.5 60.7
 148 66.9 49.7 74.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.581 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VR025800.D
 Acq: 21 Sep 2018 14:31

Tgt Ion: 75 Resp: 10985
 Ion Ratio Lower Upper
 75 100
 155 47.2 34.1 51.1
 157 62.1 49.1 73.7

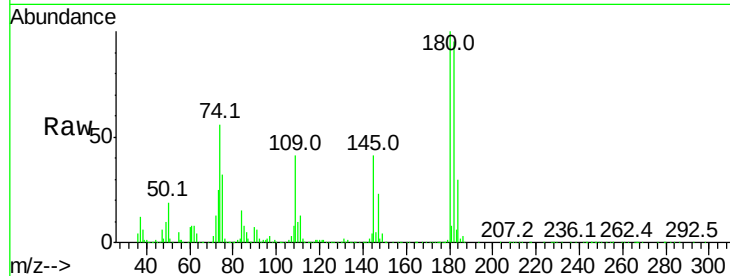




#67
 1,3,5-Trichlorobenzene
 Concen: 4.585 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR025800.D
 Acq: 21 Sep 2018 14:31

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00521

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.7	113.5
184	30.6	24.8	37.2
145	38.9	28.5	42.7

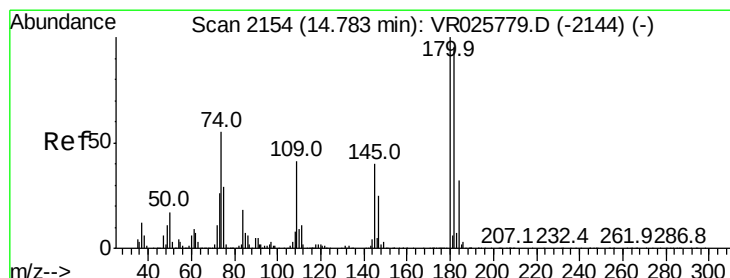
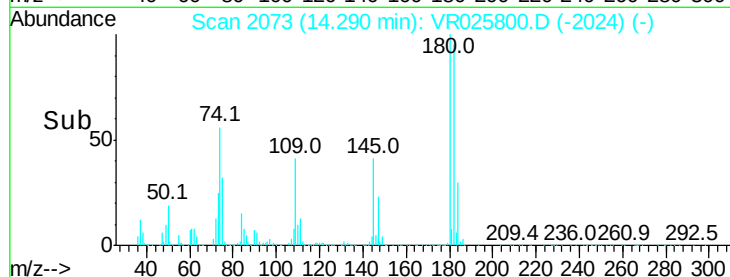
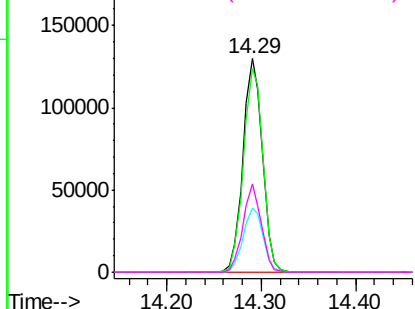


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

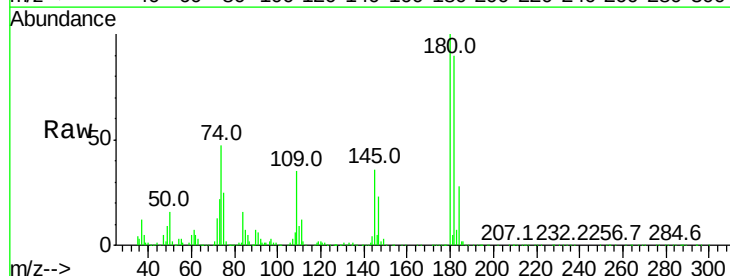
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.486 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VR025800.D
 Acq: 21 Sep 2018 14:31

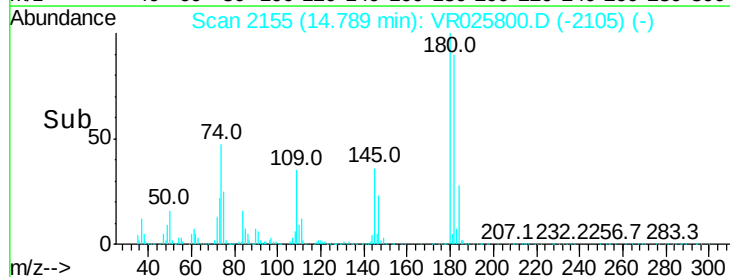
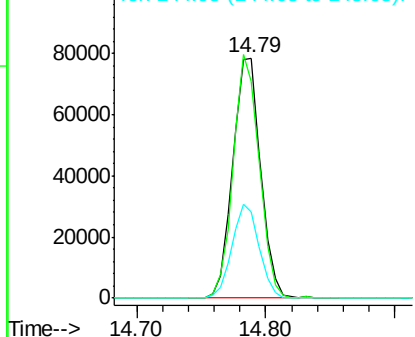
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.2	114.2
145	38.1	30.2	45.2

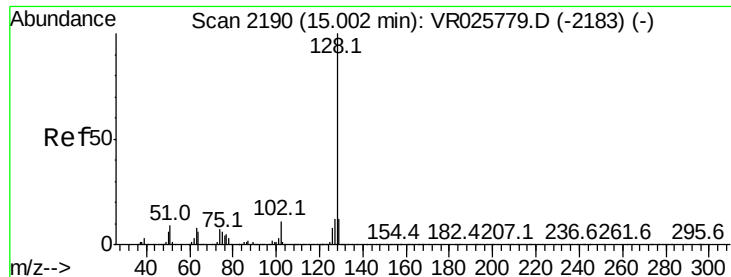


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.461 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

Instrument :

MSVOA_R

ClientSampled :

VSTD00521

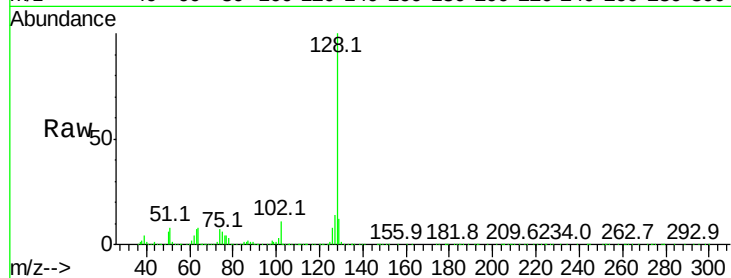
Tgt Ion:128 Resp: 176430

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

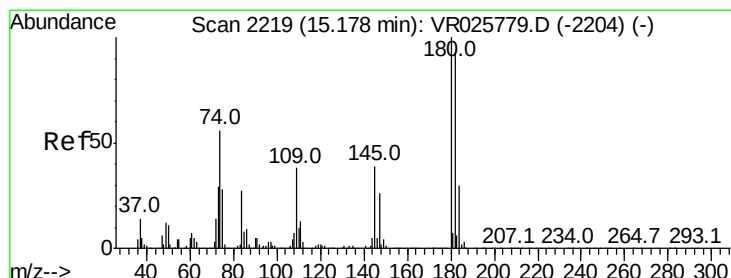
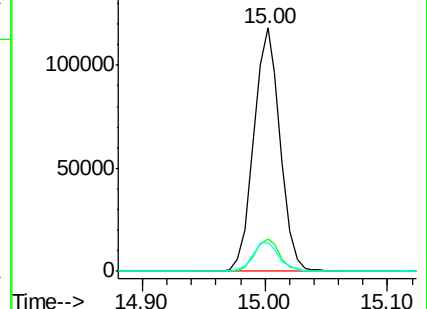
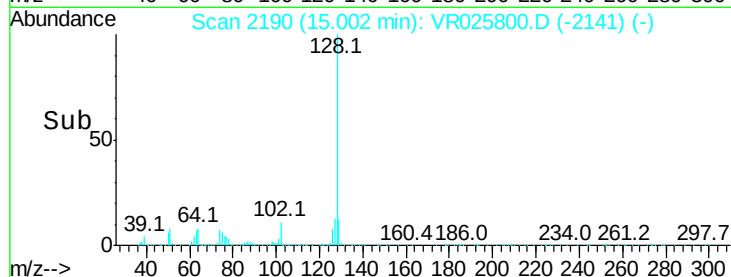
129 11.8 9.1 13.7



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: 4.395 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025800.D

Acq: 21 Sep 2018 14:31

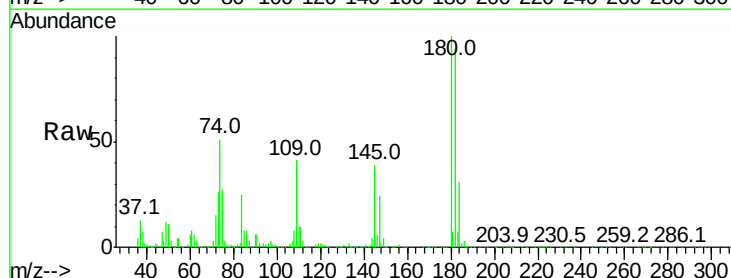
Tgt Ion:180 Resp: 83152

Ion Ratio Lower Upper

180 100

182 93.4 75.7 113.5

145 39.1 31.8 47.8



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

