

Data File : VR026072.D
Acq On : 15 Oct 2018 13:53
Operator : SY/MD
Sample : VSTD00182
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Quant Time: Oct 15 15:05:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 15 15:02:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	567848	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	463942	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	160415	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	54917	1.23	ug/L	0.00
7) Chloroethane-d5	2.63	69	52981	1.45	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	120827	1.15	ug/L	0.00
20) 2-Butanone-d5	6.59	46	42571	8.53	ug/L	0.00
24) Chloroform-d	7.20	84	81793	1.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	34318	1.02	ug/L	0.00
32) Benzene-d6	7.86	84	154446	1.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	42734	1.03	ug/L	0.00
41) Toluene-d8	9.97	98	139322	0.96	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	9711	1.03	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	26391	7.33	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.37	84	15638	0.93	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	25209	0.98	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	15533	0.450 ug/L	96
3) Chloromethane	2.01	50	38648	0.787 ug/L	92
5) Vinyl chloride	2.16	62	35485	0.726 ug/L	91
6) Bromomethane	2.52	94	26422	0.866 ug/L	99
8) Chloroethane	2.66	64	24250	0.872 ug/L	98
9) Trichlorofluoromethane	2.94	101	20818	0.307 ug/L #	42
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	31015	0.748 ug/L #	74
12) 1,1-Dichloroethene	3.64	96	33241	0.775 ug/L	83
13) Acetone	3.70	43	25269	6.984 ug/L	89
14) Carbon disulfide	3.94	76	74347	0.716 ug/L	96
15) Methyl Acetate	4.19	43	7541	0.752 ug/L	94
16) Methylene chloride	4.41	84	32919	0.835 ug/L	78
17) Methyl tert-butyl Ether	4.89	73	27725	0.584 ug/L #	73
18) trans-1,2-Dichloroethene	4.89	96	23821	0.672 ug/L	89
19) 1,1-Dichloroethane	5.69	63	46411	0.661 ug/L	96
21) 2-Butanone	6.70	43	26963	5.418 ug/L	90
22) cis-1,2-Dichloroethene	6.68	96	21166	0.593 ug/L #	97
23) Bromochloromethane	7.05	128	6369	0.658 ug/L #	85
25) Chloroform	7.23	83	42872	0.627 ug/L	91
27) 1,2-Dichloroethane	8.00	62	21338	0.626 ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	36444	0.699 ug/L	98
30) Cyclohexane	7.51	56	30398	0.466 ug/L	99
31) Carbon tetrachloride	7.65	117	32284	0.715 ug/L	96
33) Benzene	7.90	78	93891	0.603 ug/L	100
34) Trichloroethene	8.71	95	25402	0.620 ug/L	87
35) Methylcyclohexane	8.96	83	29558	0.479 ug/L	88
37) 1,2-Dichloropropane	8.99	63	19865	0.595 ug/L #	96
38) Bromodichloromethane	9.28	83	21529	0.598 ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	20697	0.553 ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	54659	4.656 ug/L	99

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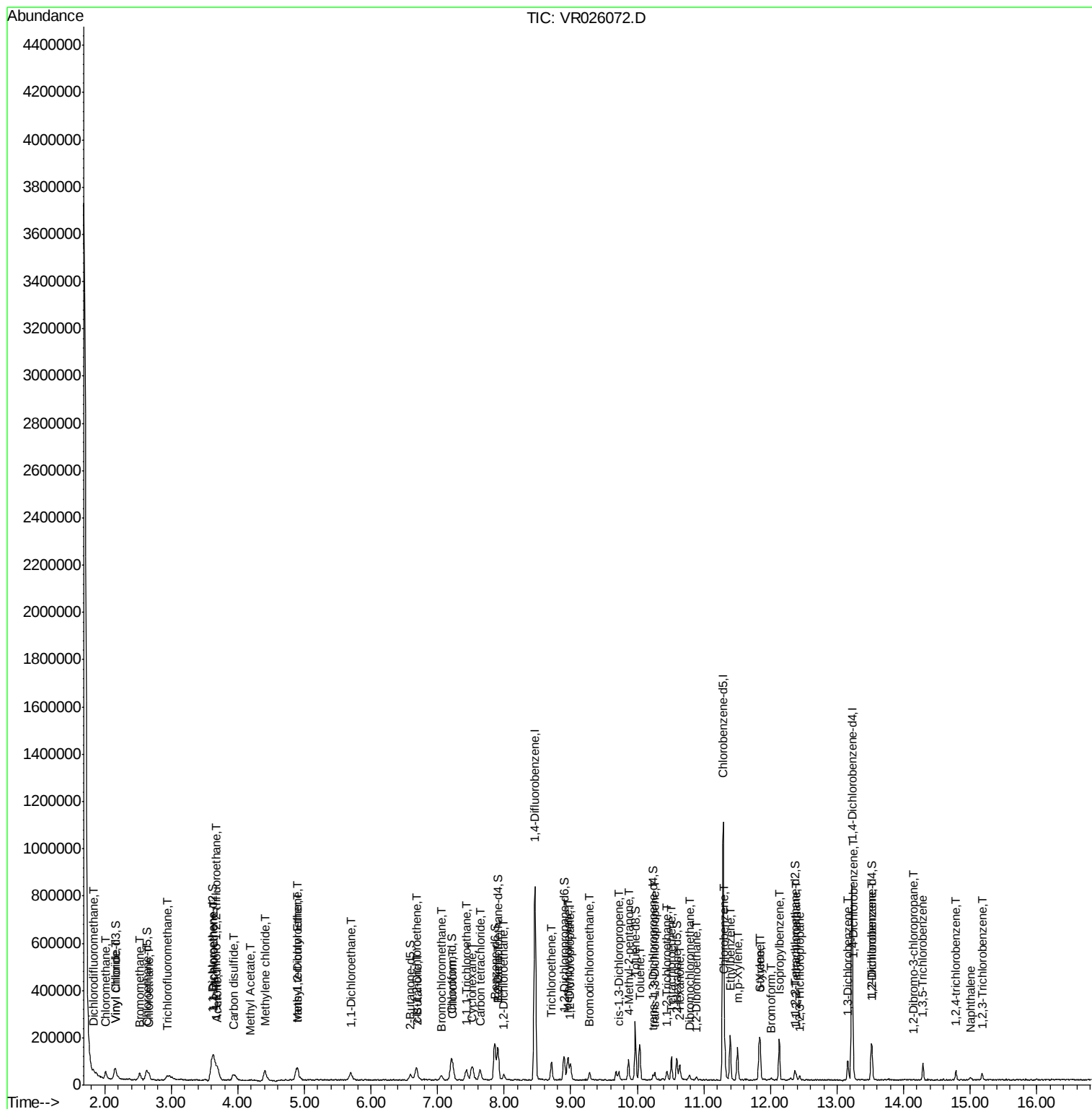
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	94486	0.584	ug/L	91
44) trans-1,3-Dichloropropene	10.26	75	13697	0.560	ug/L	82
45) 1,1,2-Trichloroethane	10.45	97	9588	0.635	ug/L	94
47) Tetrachloroethene	10.51	164	16604	0.657	ug/L	95
48) 2-Hexanone	10.63	43	37580	4.890	ug/L	97
49) Dibromochloromethane	10.78	129	8376	0.547	ug/L	94
50) 1,2-Dibromoethane	10.89	107	7596	0.638	ug/L #	99
51) Chlorobenzene	11.32	112	56569	0.660	ug/L	95
52) Ethylbenzene	11.39	91	106709	0.578	ug/L	94
53) m,p-Xylene	11.50	106	34155	0.520	ug/L	85
54) o-Xylene	11.83	106	30738	0.503	ug/L	87
55) Styrene	11.84	104	49096	0.516	ug/L	98
56) Isopropylbenzene	12.13	105	86398	0.512	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	8765	0.602	ug/L	100
59) 1,2,3-Trichloropropane	12.43	75	5628	0.520	ug/L #	88
61) Bromoform	12.01	173	2936	0.605	ug/L #	93
62) 1,3-Dichlorobenzene	13.16	146	27381	0.584	ug/L	94
63) 1,4-Dichlorobenzene	13.24	146	31785	0.663	ug/L	93
65) 1,2-Dichlorobenzene	13.53	146	21870	0.581	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.14	75	1257	0.794	ug/L #	60
67) 1,3,5-Trichlorobenzene	14.29	180	16653	0.596	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	8679	0.488	ug/L #	88
69) Naphthalene	15.00	128	7337	0.323	ug/L #	94
70) 1,2,3-Trichlorobenzene	15.18	180	6009	0.487	ug/L #	80

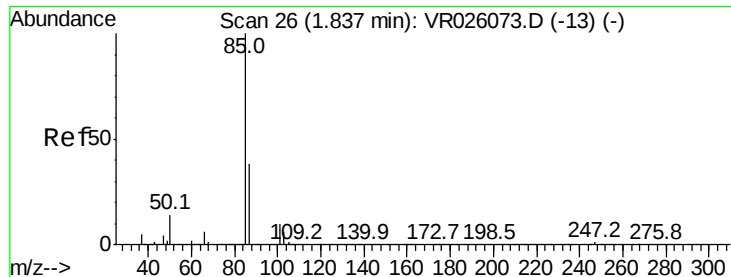
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#2

Dichlorodifluoromethane

Concen: 0.450 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.00 min

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Acq: 15 Oct 2018 13:53

Instrument :

MSVOA_R

ClientSampleId :

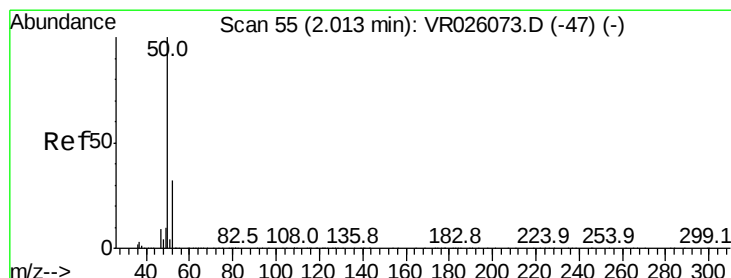
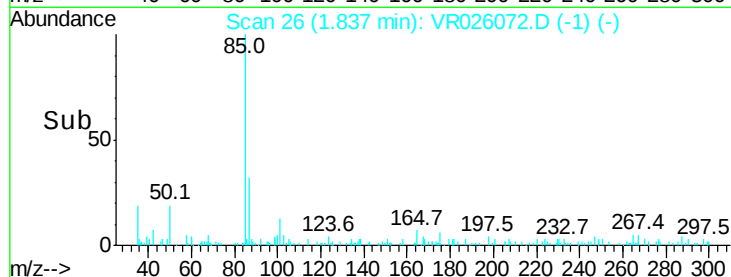
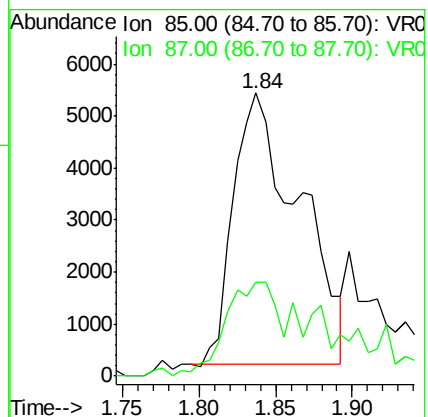
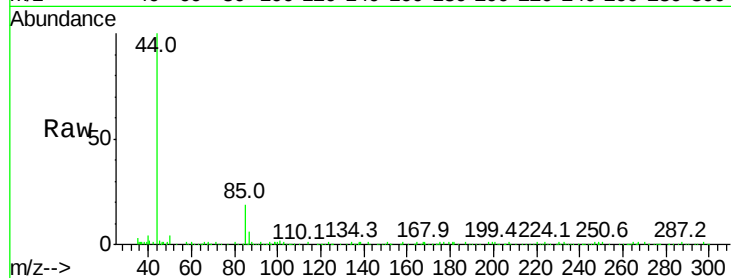
VSTD00182

Tgt Ion: 85 Resp: 15533

Ion Ratio Lower Upper

85 100

87 27.2 23.4 35.2



#3

Chloromethane

Concen: 0.787 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR026072.D

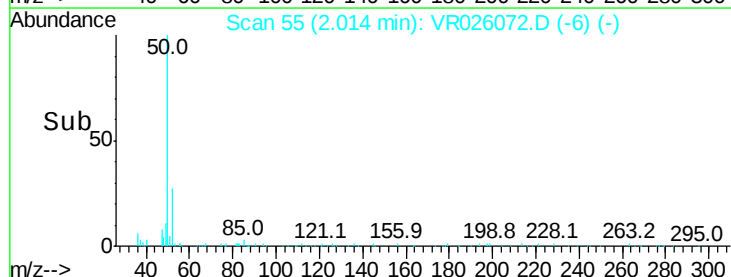
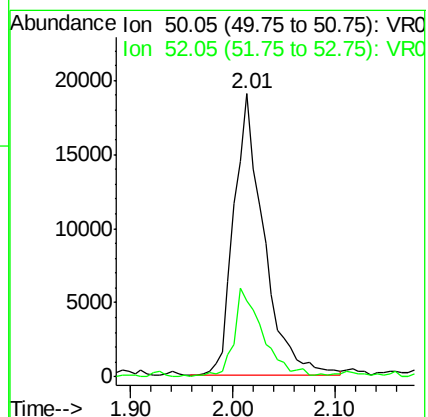
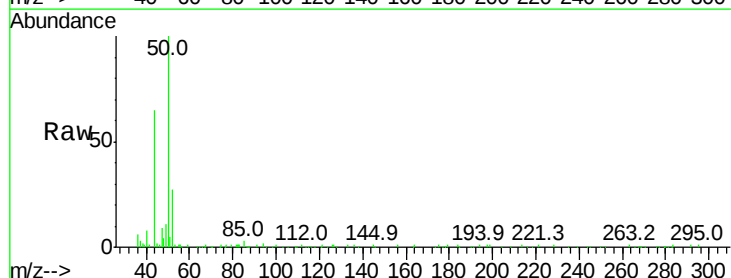
Acq: 15 Oct 2018 13:53

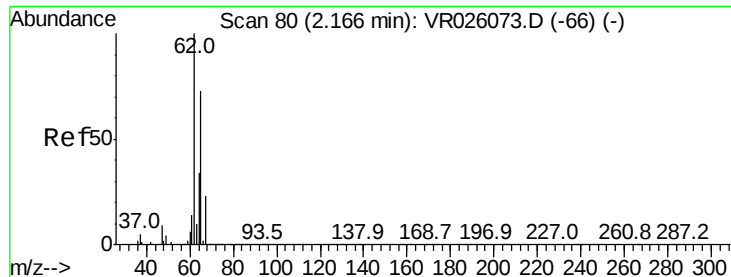
Tgt Ion: 50 Resp: 38648

Ion Ratio Lower Upper

50 100

52 27.0 22.0 40.8





#5

Vinyl chloride

Concen: 0.726 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.01 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

Instrument :

MSVOA_R

ClientSampled :

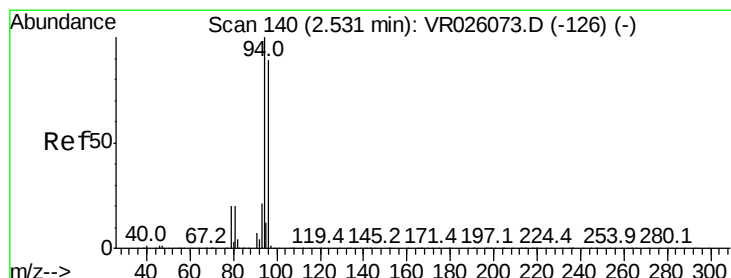
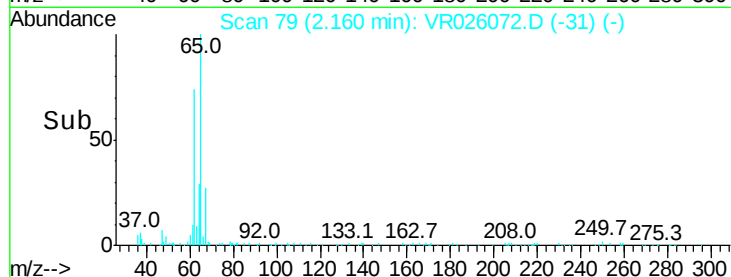
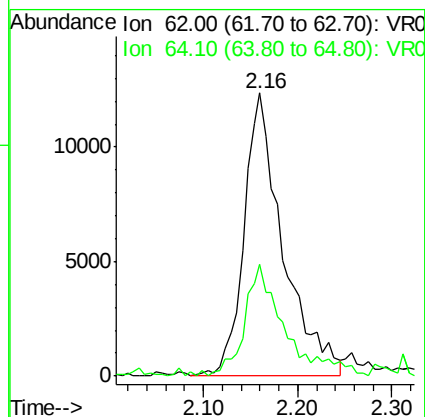
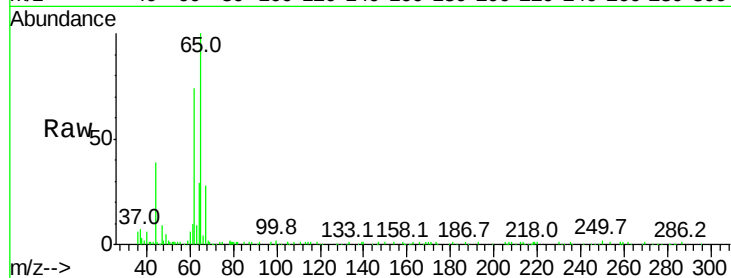
VSTD00182

Tgt Ion: 62 Resp: 35485

Ion Ratio Lower Upper

62 100

64 39.5 23.9 44.3



#6

Bromomethane

Concen: 0.866 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.01 min

Lab File: VR026072.D

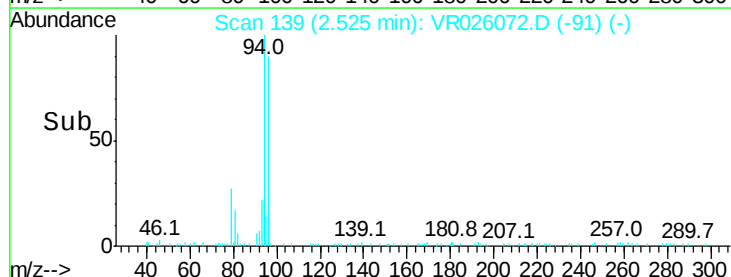
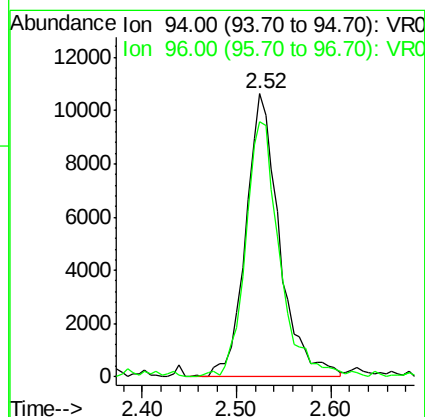
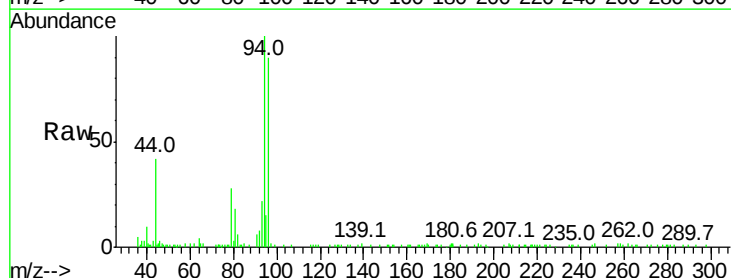
Acq: 15 Oct 2018 13:53

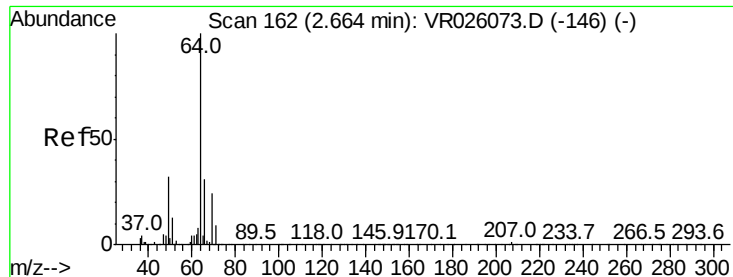
Tgt Ion: 94 Resp: 26422

Ion Ratio Lower Upper

94 100

96 90.0 62.5 116.1

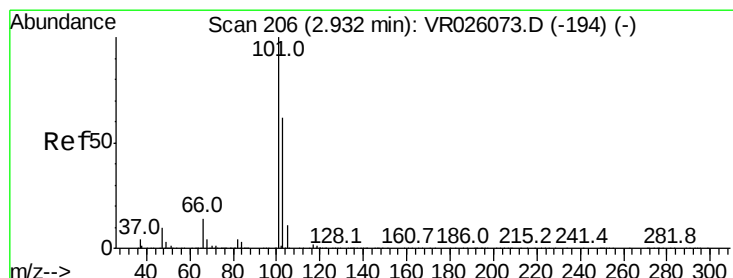
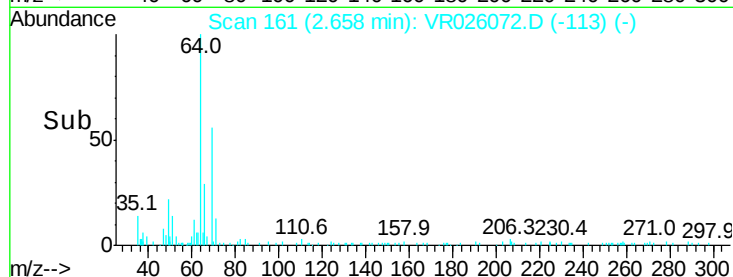
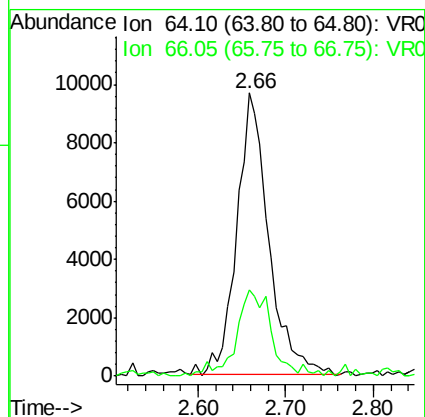
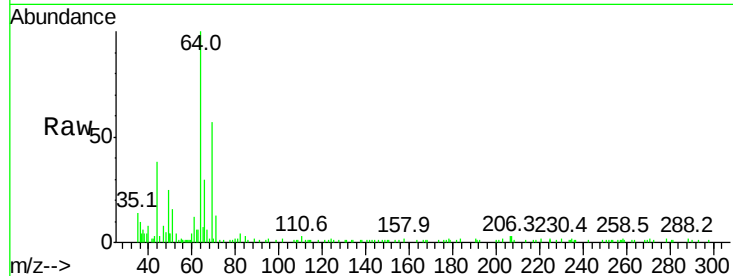




#8
Chloroethane
Concen: 0.872 ug/L
RT: 2.66 min Scan# 161
Delta R.T. -0.01 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

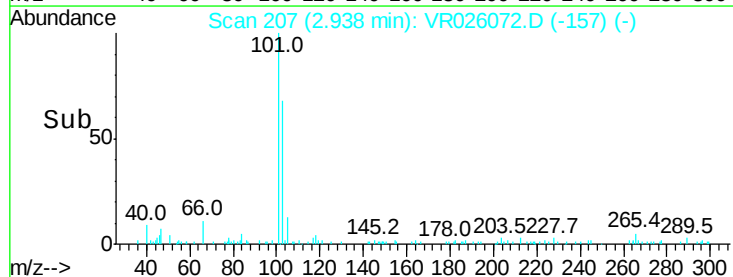
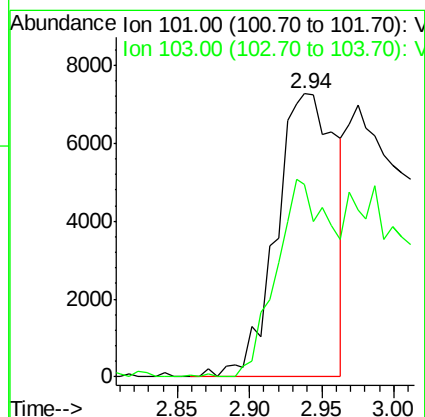
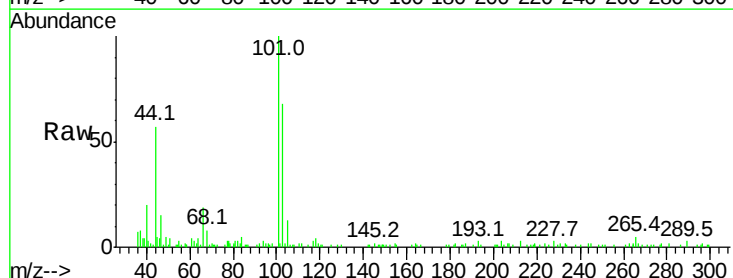
Instrument :
MSVOA_R
ClientSampled :
VSTD00182

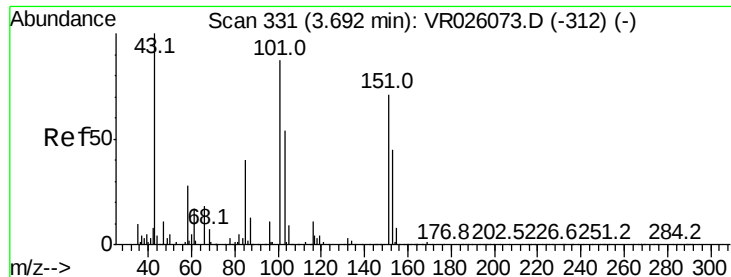
Tgt Ion: 64 Resp: 24250
Ion Ratio Lower Upper
64 100
66 30.5 22.0 40.8



#9
Trichlorofluoromethane
Concen: 0.307 ug/L
RT: 2.94 min Scan# 207
Delta R.T. 0.01 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

Tgt Ion: 101 Resp: 20818
Ion Ratio Lower Upper
101 100
103 64.9 26.0 39.0#





#10

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

Concen: 0.748 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.01 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

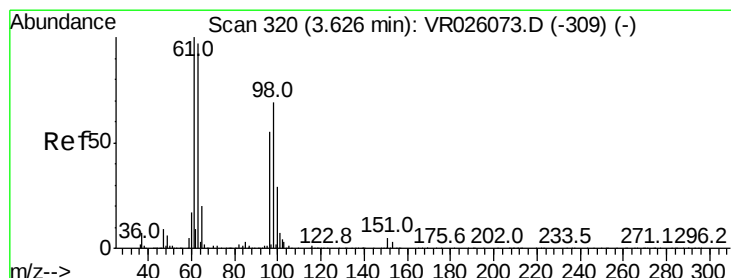
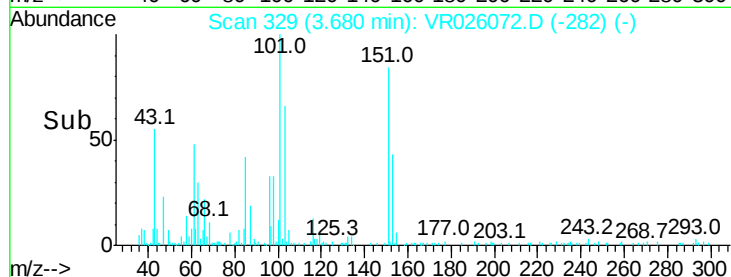
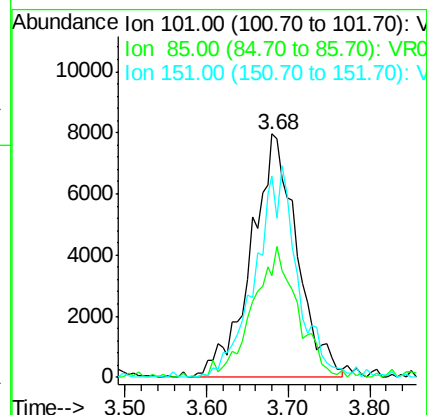
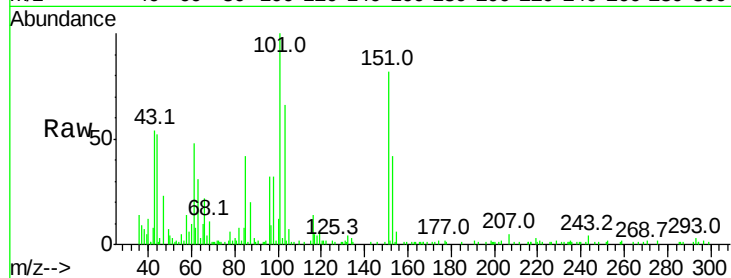
Tgt Ion:101 Resp: 31015

Ion Ratio Lower Upper

101 100

85 49.5 37.8 56.8

151 44.6 63.2 94.8#



#12

1,1-Dichloroethene

Concen: 0.775 ug/L

RT: 3.64 min Scan# 323

Delta R.T. 0.02 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

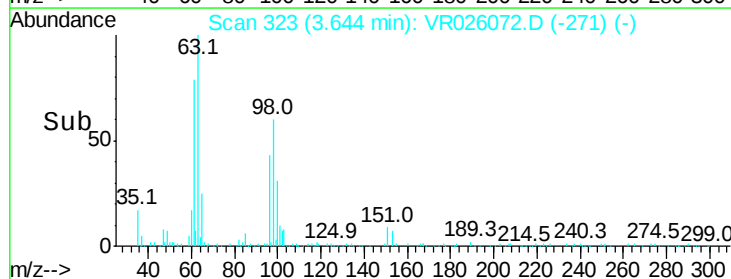
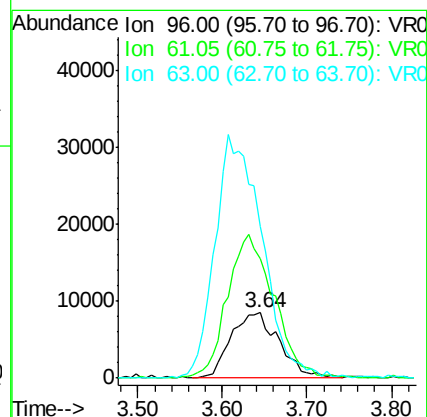
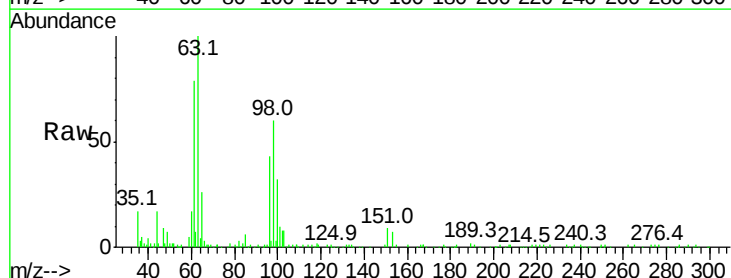
Tgt Ion: 96 Resp: 33241

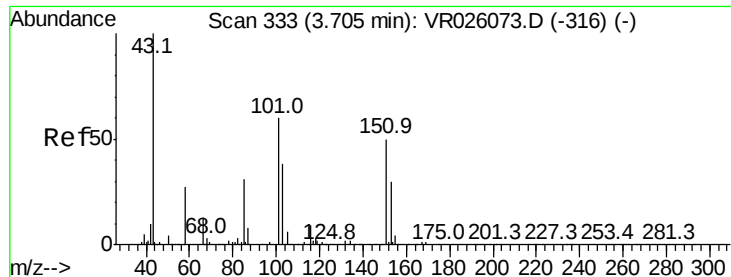
Ion Ratio Lower Upper

96 100

61 173.5 126.7 235.3

63 219.9 125.0 232.2

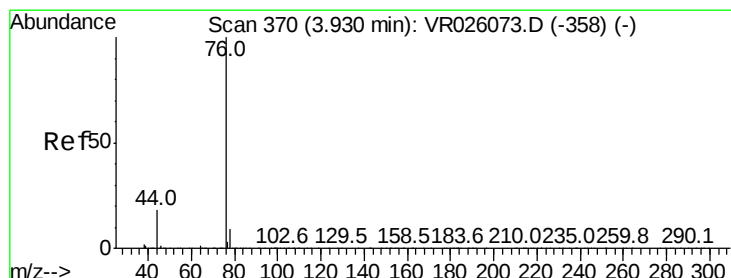
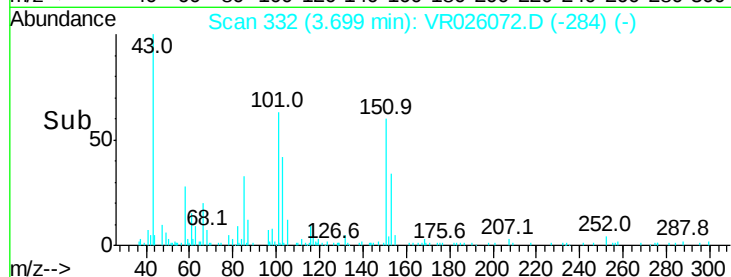
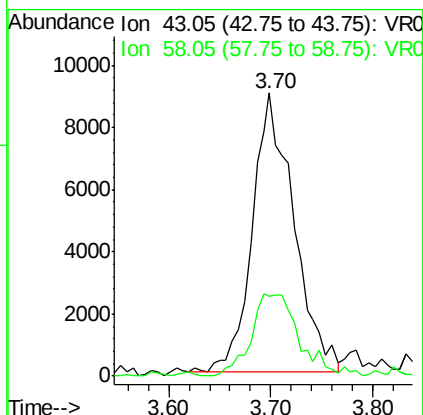
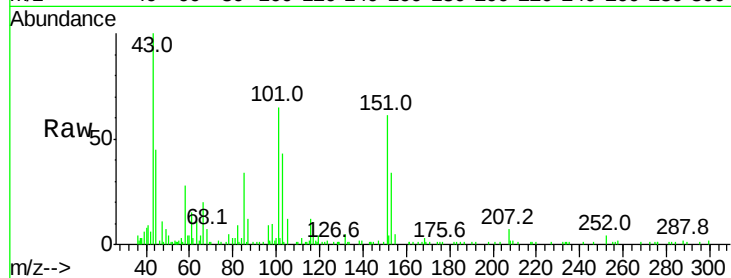




#13
Acetone
Concen: 6.984 ug/L
RT: 3.70 min Scan# 332
Delta R.T. -0.01 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

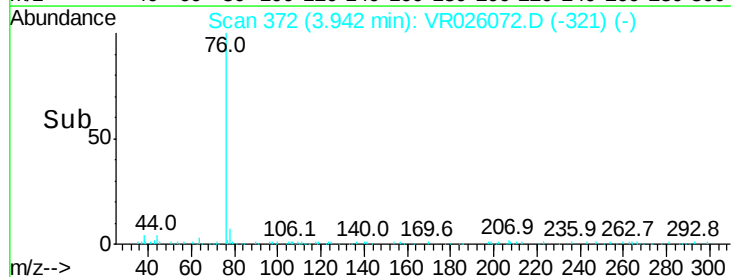
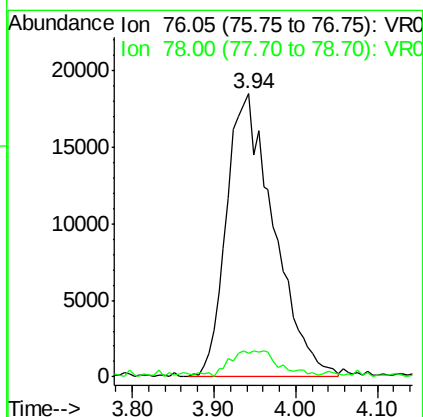
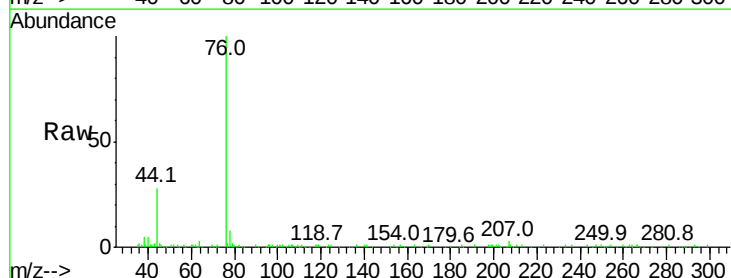
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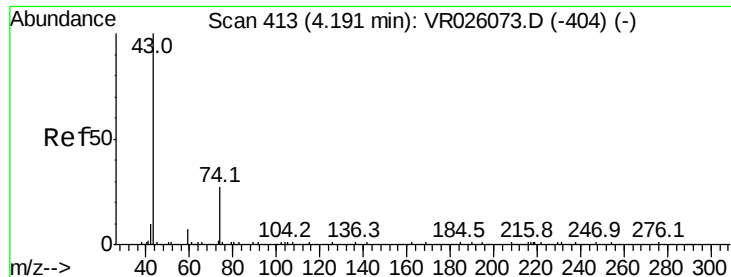
Tgt Ion: 43 Resp: 25269
Ion Ratio Lower Upper
43 100
58 33.4 0.0 55.4



#14
Carbon disulfide
Concen: 0.716 ug/L
RT: 3.94 min Scan# 372
Delta R.T. 0.01 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

Tgt Ion: 76 Resp: 74347
Ion Ratio Lower Upper
76 100
78 8.1 7.6 11.4

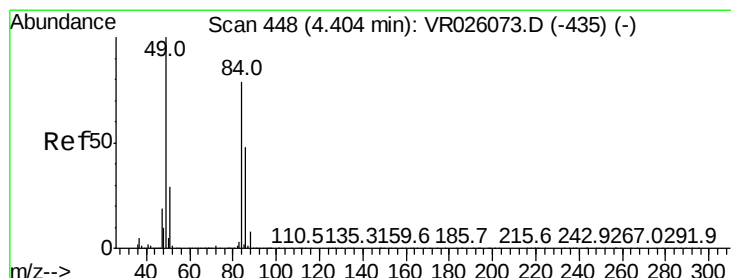
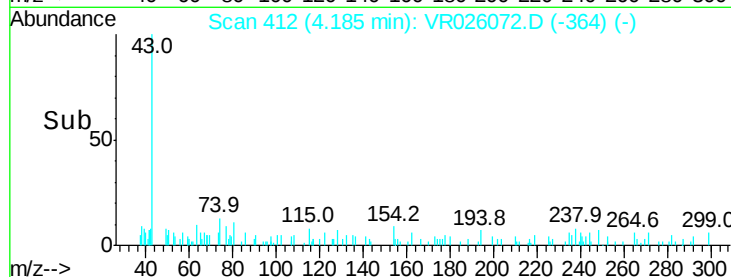
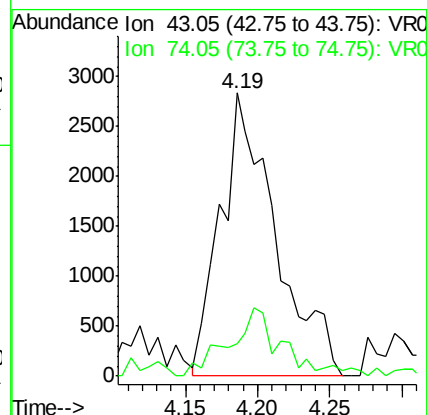
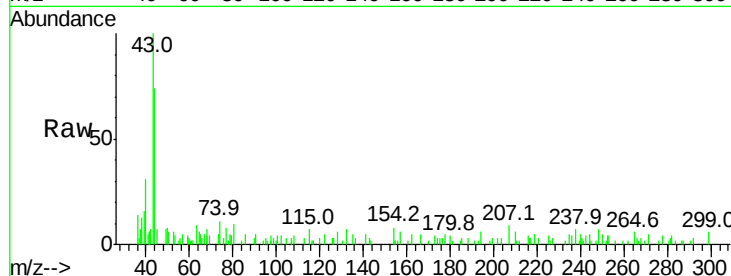




#15
Methyl Acetate
Concen: 0.752 ug/L
RT: 4.19 min Scan# 412
Delta R.T. -0.01 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

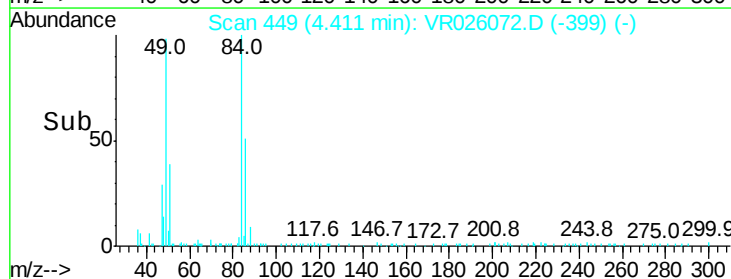
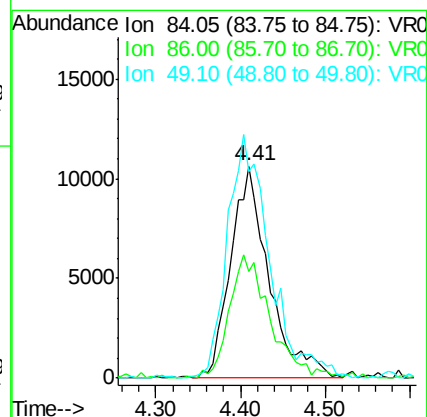
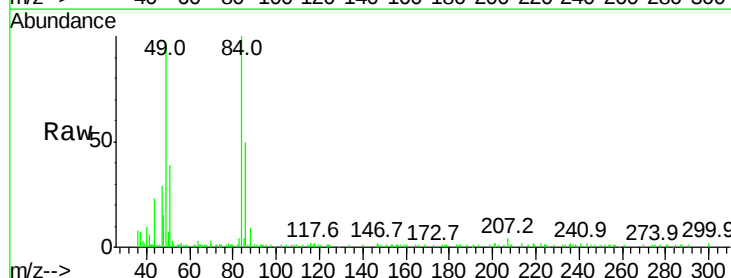
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MSVOA_R
ClientSampleId :
VSTD00182

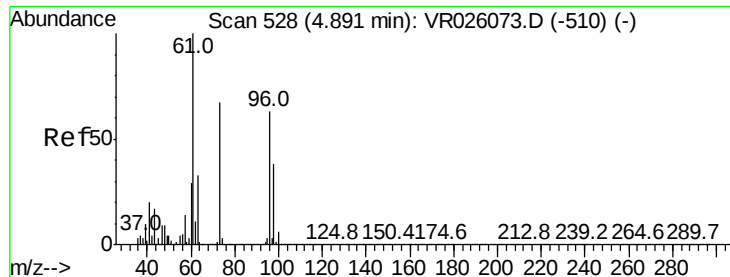
Tgt Ion: 43 Resp: 7541
Ion Ratio Lower Upper
43 100
74 21.7 19.8 29.8



#16
Methylene chloride
Concen: 0.835 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.01 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

Tgt Ion: 84 Resp: 32919
Ion Ratio Lower Upper
84 100
86 50.2 43.0 79.8
49 97.4 89.1 165.5

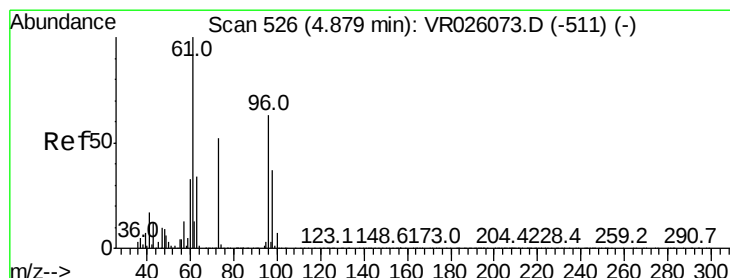
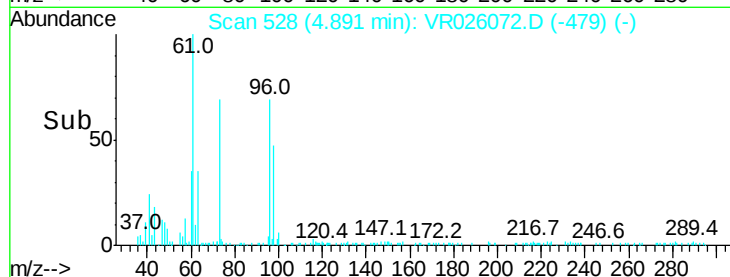
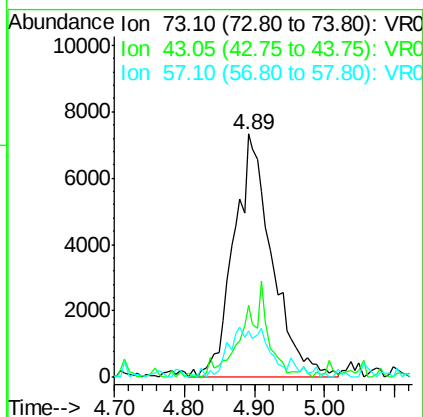
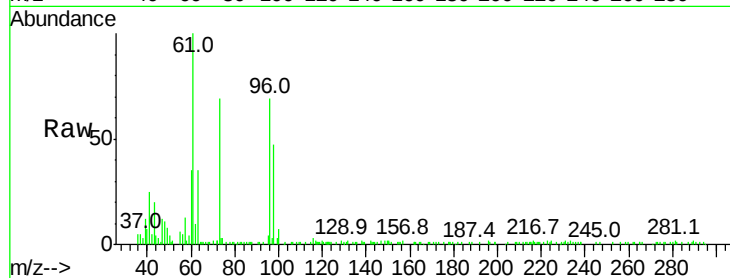




#17
Methyl tert-butyl Ether
Concen: 0.584 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.00 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

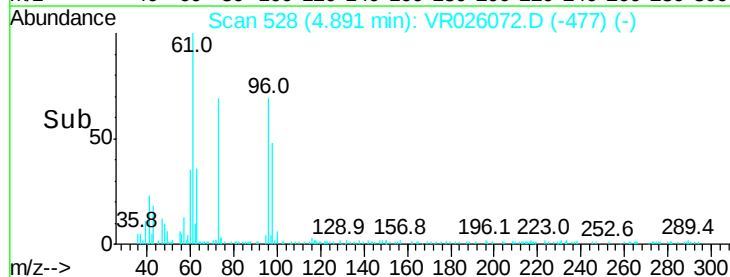
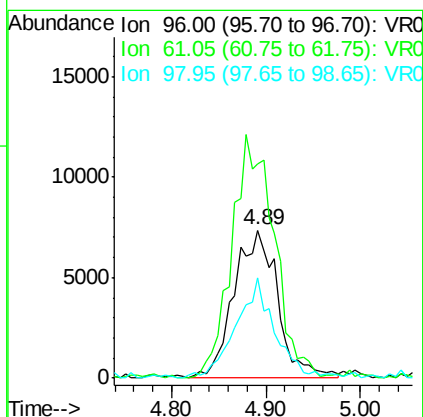
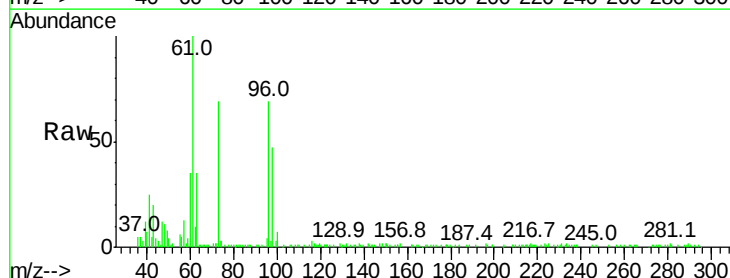
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

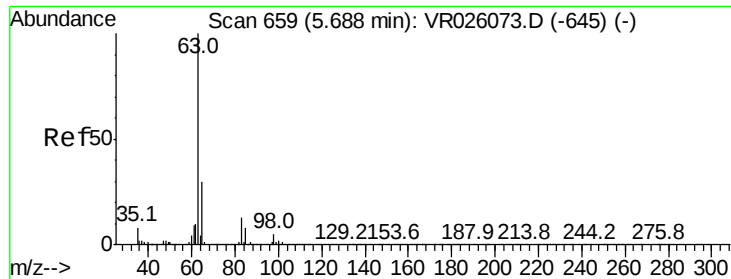
Tgt Ion: 73 Resp: 27725
Ion Ratio Lower Upper
73 100
43 9.6 20.1 30.1#
57 12.6 19.0 28.4#



#18
trans-1,2-Dichloroethene
Concen: 0.672 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.01 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

Tgt Ion: 96 Resp: 23821
Ion Ratio Lower Upper
96 100
61 145.1 111.4 206.8
98 68.2 41.4 77.0

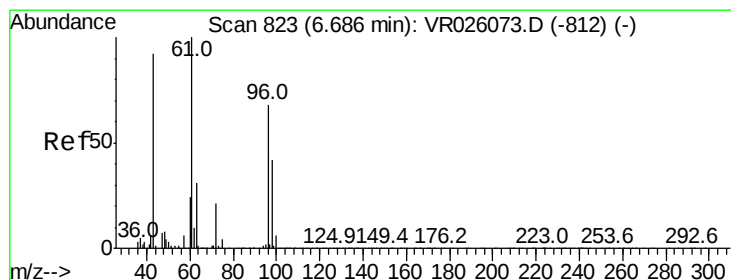
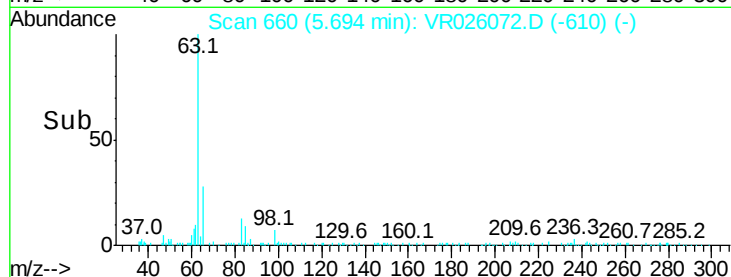
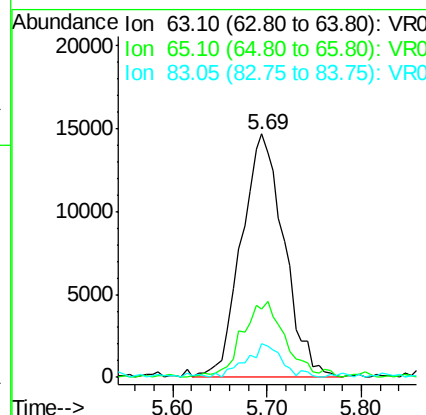
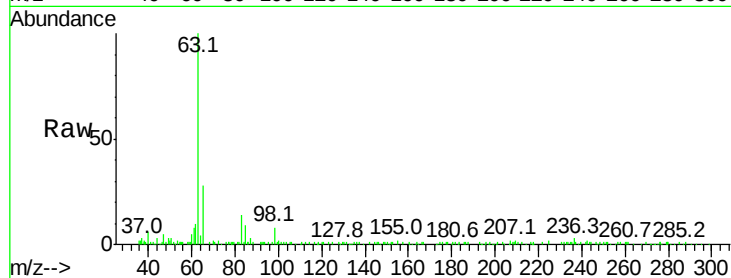




#19
 1,1-Dichloroethane
 Concen: 0.661 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VR026072.D
 Acq: 15 Oct 2018 13:53

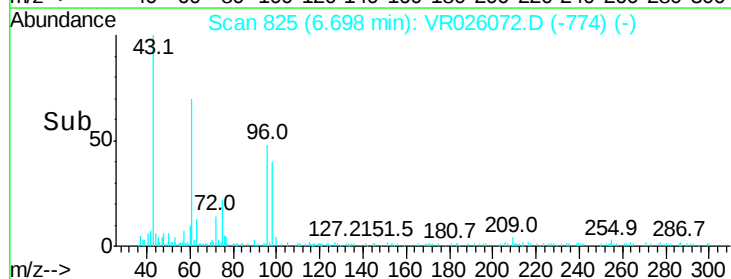
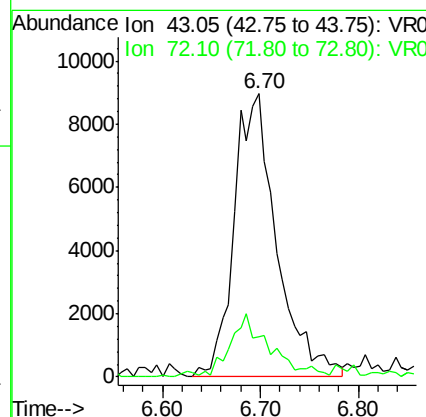
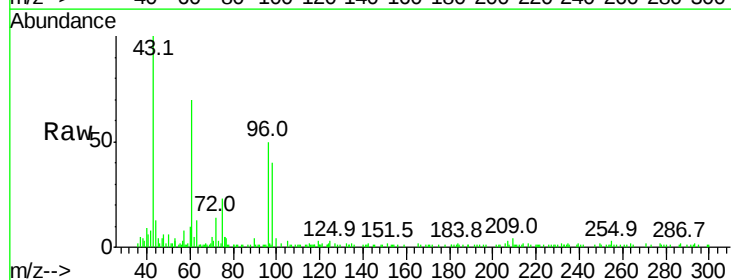
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

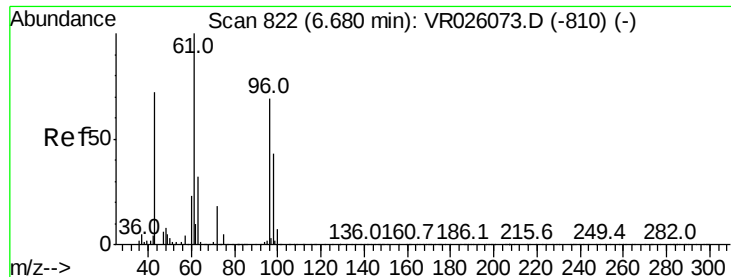
Tgt Ion:	63	Resp:	46411
Ion	Ratio	Lower	Upper
63	100		
65	27.9	21.2	39.4
83	13.8	9.2	17.2



#21
 2-Butanone
 Concen: 5.418 ug/L
 RT: 6.70 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: VR026072.D
 Acq: 15 Oct 2018 13:53

Tgt Ion:	43	Resp:	26963
Ion	Ratio	Lower	Upper
43	100		
72	19.8	12.3	36.8



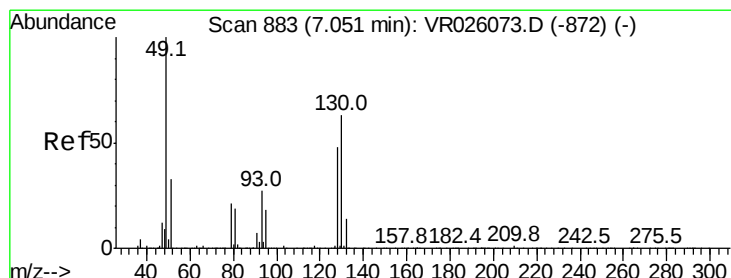
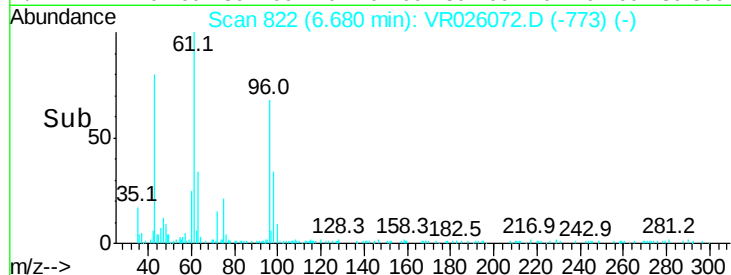
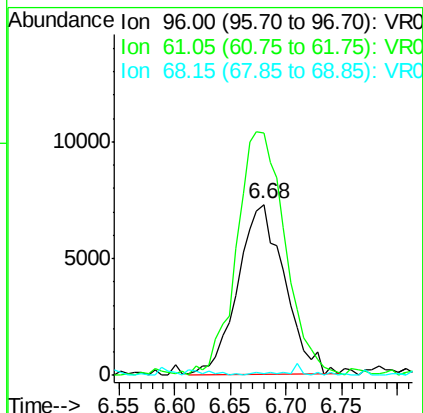
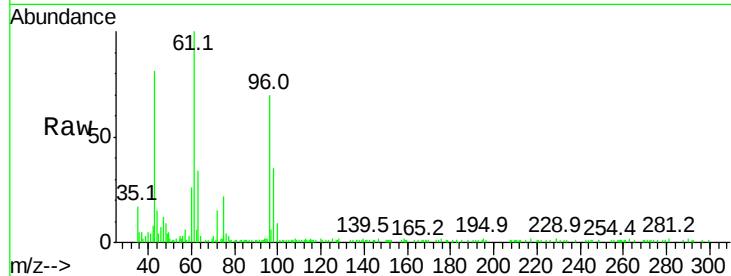


#22

cis-1,2-Dichloroethene
Concen: 0.593 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.00 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

Instrument :
MSVOA_R
ClientSampled :
VSTD00182

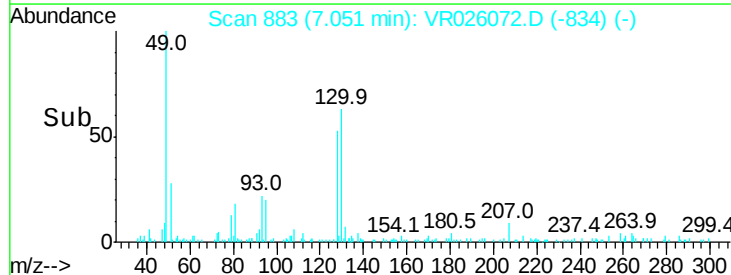
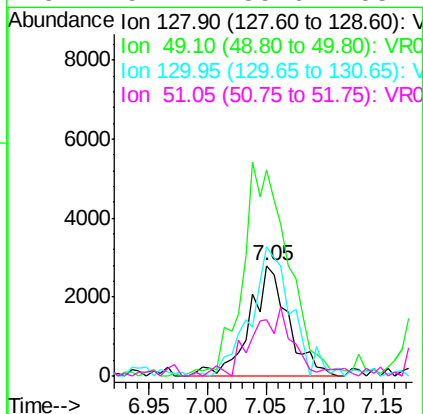
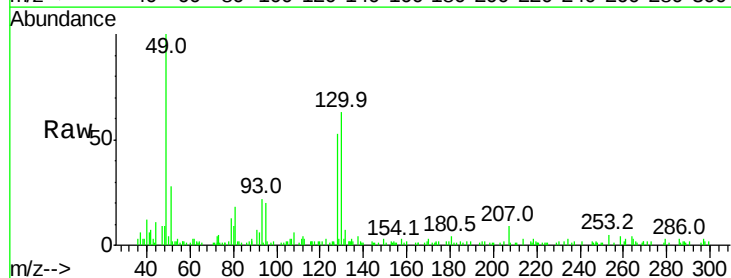
Tgt Ion: 96 Resp: 21166
Ion Ratio Lower Upper
96 100
61 142.1 101.8 189.0
68 1.0 0.1 0.3#

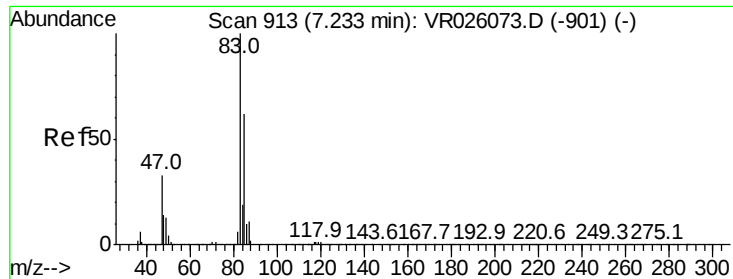


#23

Bromochloromethane
Concen: 0.658 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

Tgt Ion: 128 Resp: 6369
Ion Ratio Lower Upper
128 100
49 187.0 146.2 271.4
130 117.1 92.5 171.7
51 51.7 55.6 83.4#

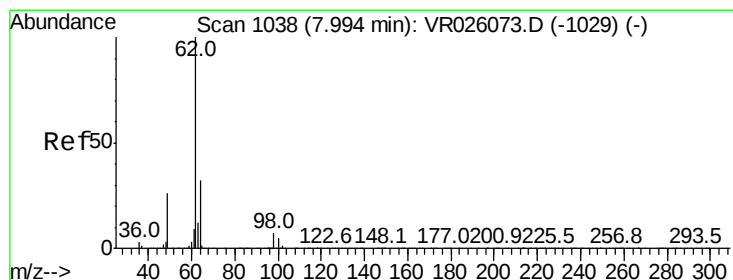
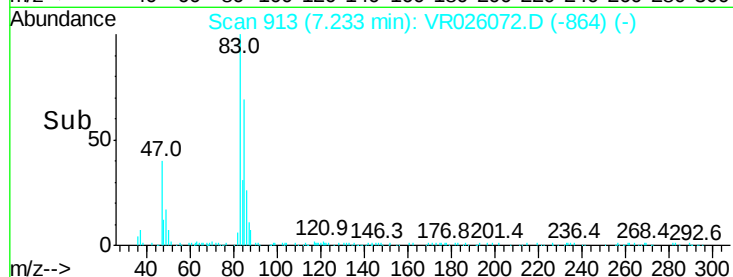
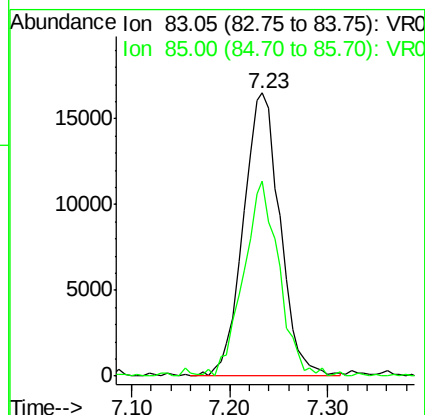
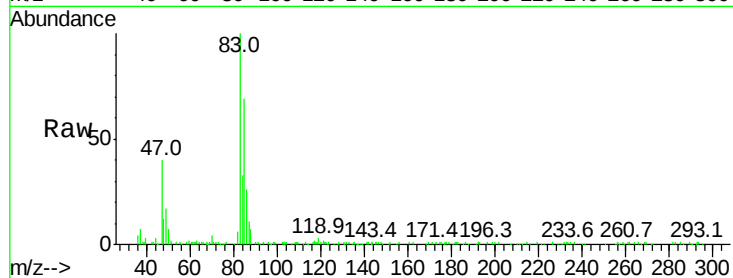




#25
Chloroform
Concen: 0.627 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.00 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

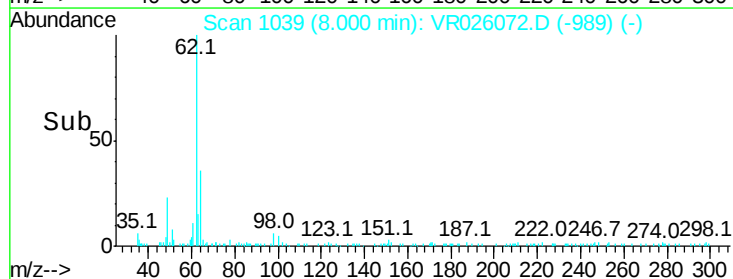
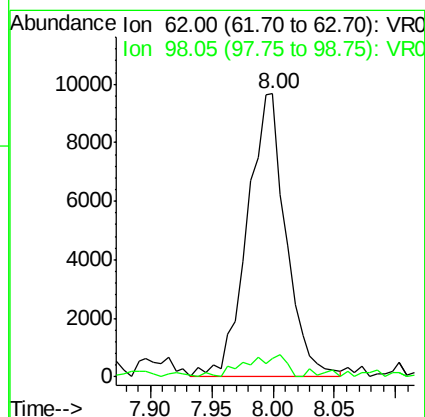
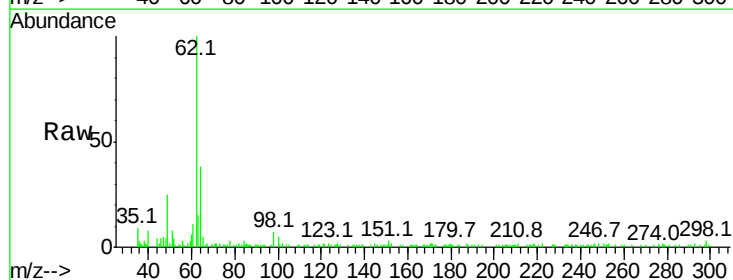
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

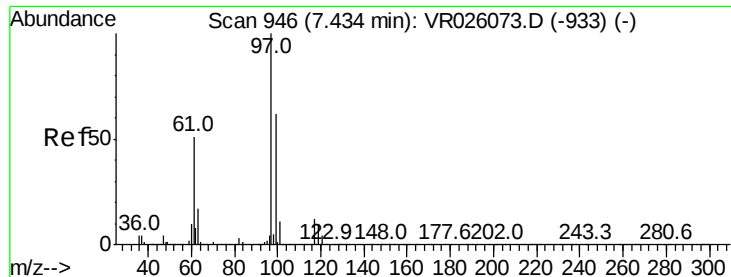
Tgt Ion: 83 Resp: 42872
Ion Ratio Lower Upper
83 100
85 69.0 43.5 80.7



#27
1,2-Dichloroethane
Concen: 0.626 ug/L
RT: 8.00 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

Tgt Ion: 62 Resp: 21338
Ion Ratio Lower Upper
62 100
98 6.6 5.6 8.4





#29

1,1,1-Trichloroethane

Concen: 0.699 ug/L

RT: 7.43 min Scan# 946

Delta R.T. 0.00 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

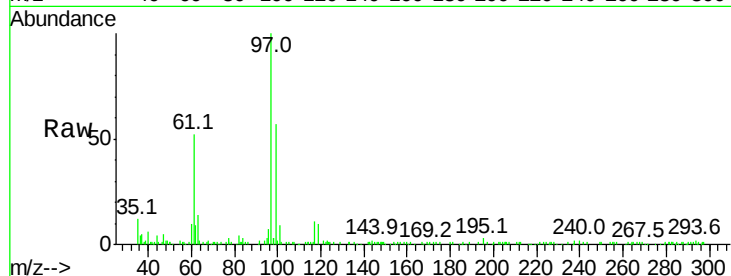
Tgt Ion: 97 Resp: 36444

Ion Ratio Lower Upper

97 100

99 63.1 51.1 76.7

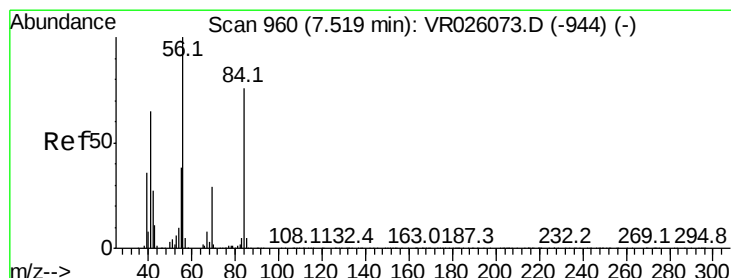
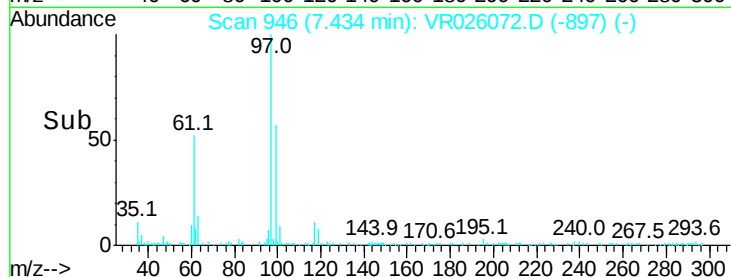
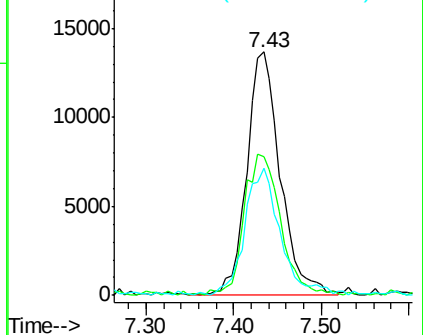
61 55.3 42.1 63.1



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 0.466 ug/L

RT: 7.51 min Scan# 959

Delta R.T. -0.01 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

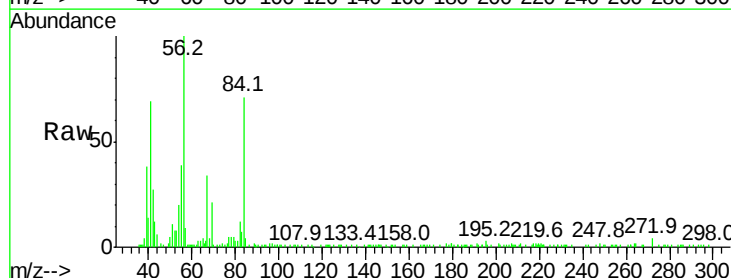
Tgt Ion: 56 Resp: 30398

Ion Ratio Lower Upper

56 100

69 30.5 23.8 35.8

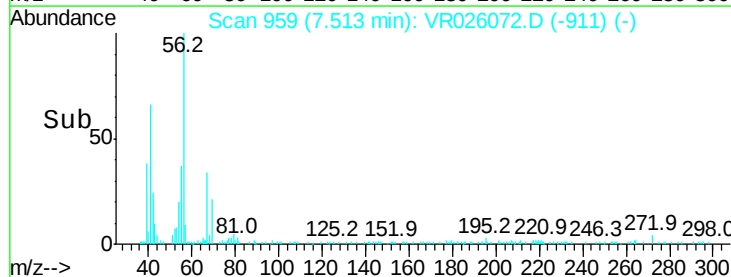
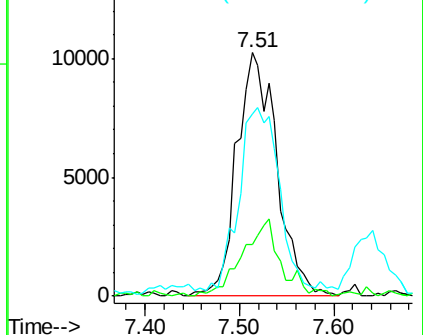
84 76.6 62.2 93.4

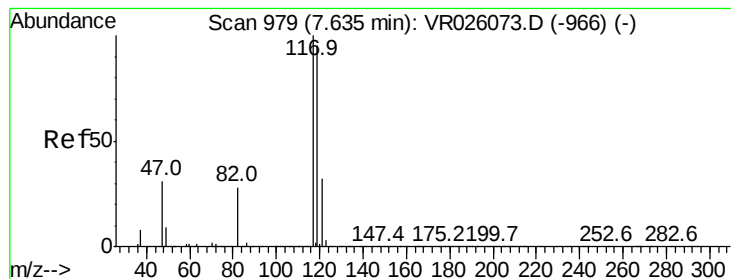


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 0.715 ug/L

RT: 7.65 min Scan# 981

Delta R.T. 0.01 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

Instrument :

MSVOA_R

ClientSampleId :

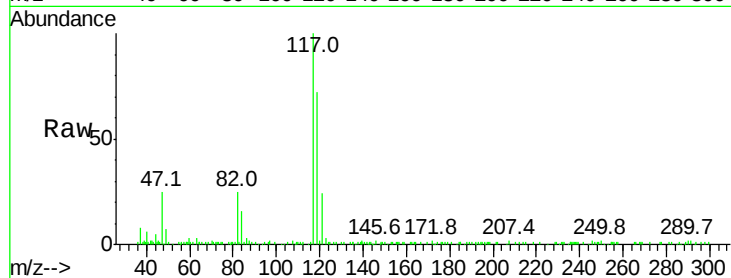
VSTD00182

Tgt Ion:117 Resp: 32284

Ion Ratio Lower Upper

117 100

119 89.0 74.2 111.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.65

15000

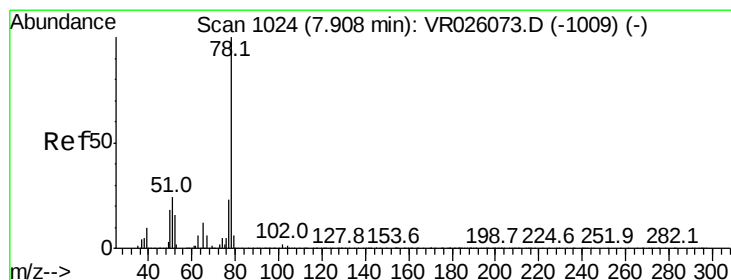
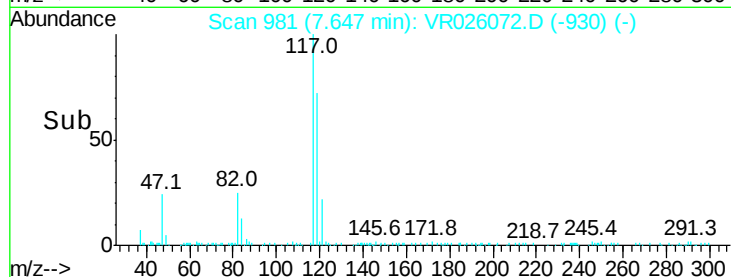
10000

5000

0

Time-->

7.50 7.60 7.70



#33

Benzene

Concen: 0.603 ug/L

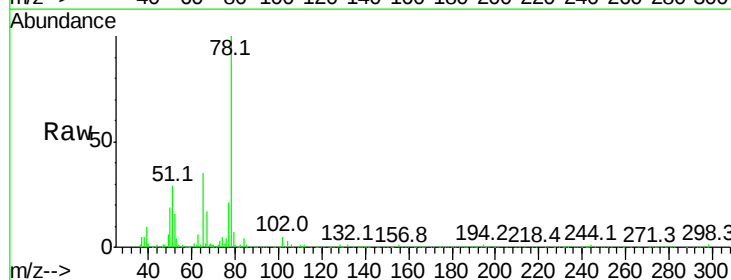
RT: 7.90 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

Tgt Ion: 78 Resp: 93891



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.90

50000

40000

30000

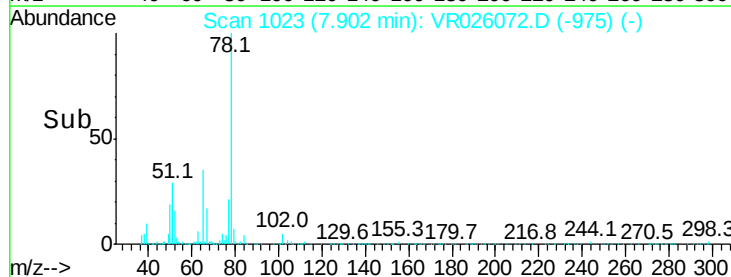
20000

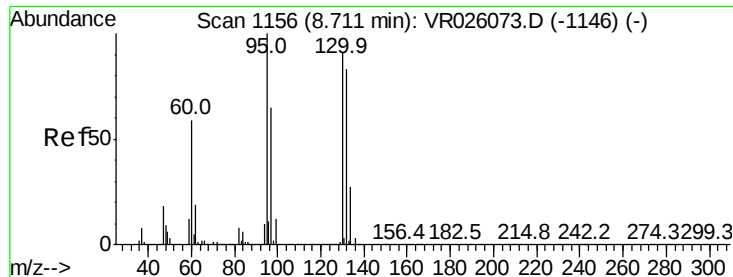
10000

0

Time-->

7.80 7.90 8.00





#34

Trichloroethene

Concen: 0.620 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

Tgt Ion: 95 Resp: 25402

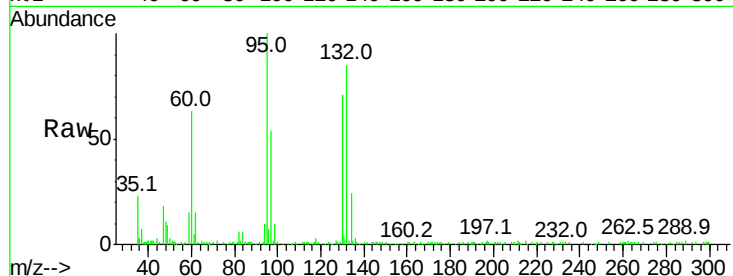
Ion Ratio Lower Upper

95 100

97 54.2 45.7 84.9

132 84.8 58.3 108.3

130 70.6 64.0 119.0

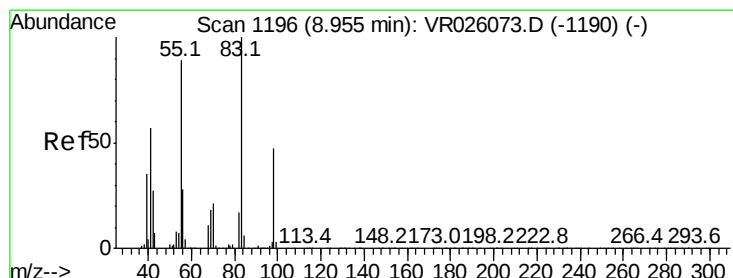
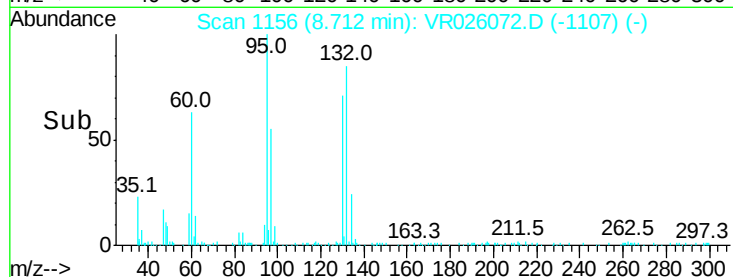
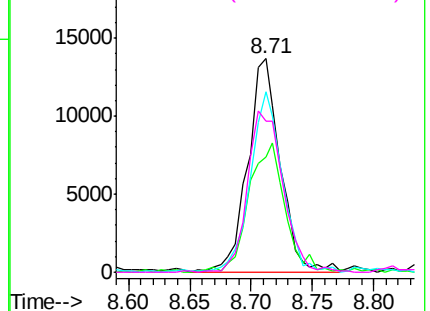


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.479 ug/L

RT: 8.96 min Scan# 1197

Delta R.T. 0.01 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

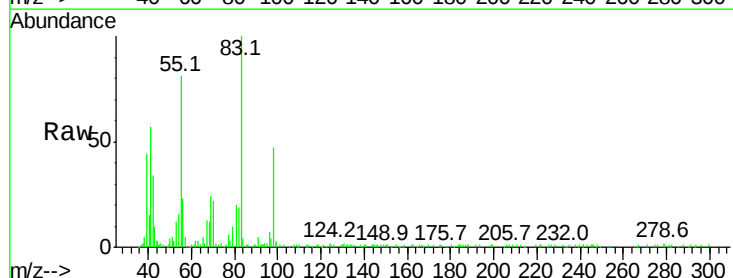
Tgt Ion: 83 Resp: 29558

Ion Ratio Lower Upper

83 100

55 94.5 66.8 100.2

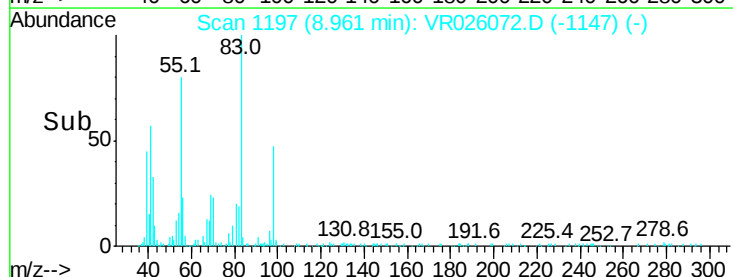
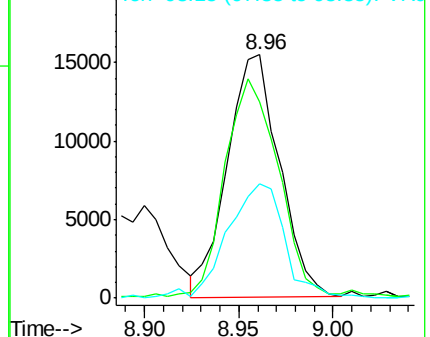
98 51.9 35.2 52.8

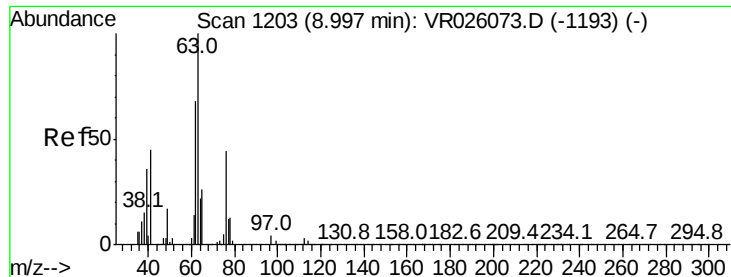


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.595 ug/L

RT: 8.99 min Scan# 1202

Delta R.T. -0.01 min

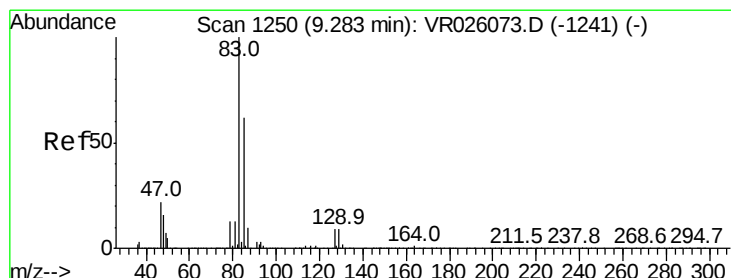
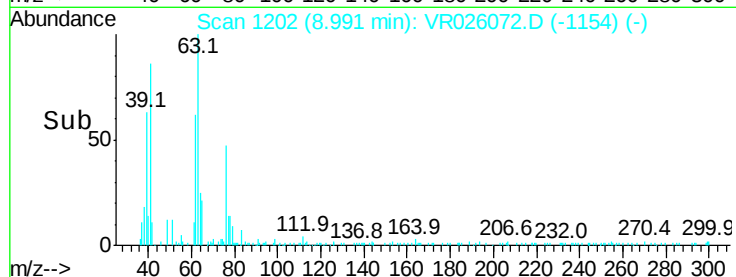
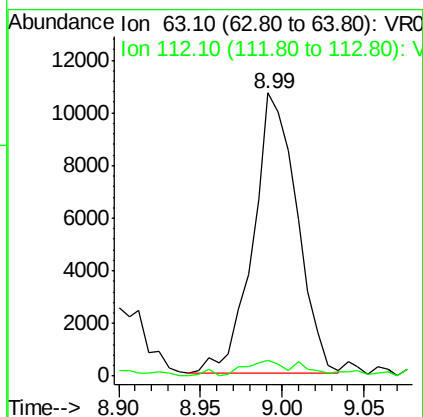
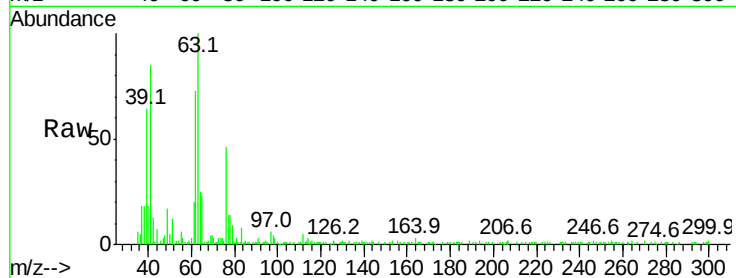
Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Tgt Ion: 63 Resp: 19865

Ion	Ratio	Lower	Upper
63	100		
112	4.8	2.7	4.1#



#38

Bromodichloromethane

Concen: 0.598 ug/L

RT: 9.28 min Scan# 1250

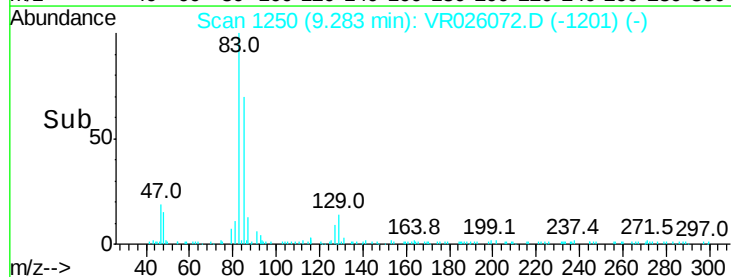
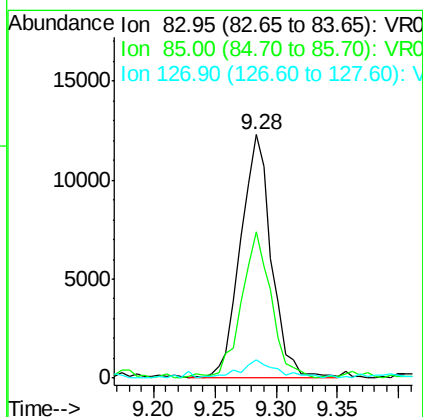
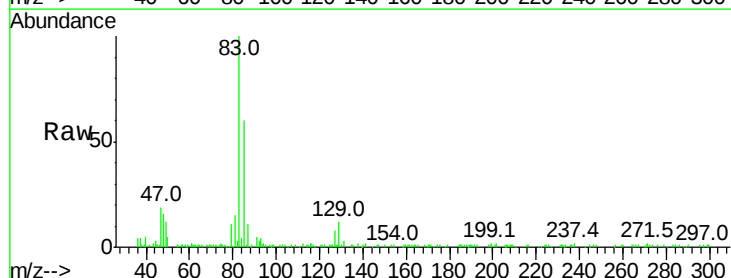
Delta R.T. 0.00 min

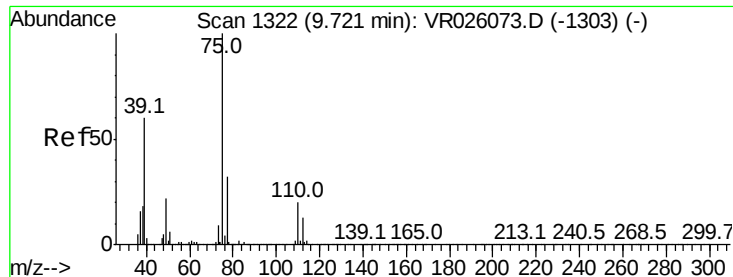
Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

Tgt Ion: 83 Resp: 21529

Ion	Ratio	Lower	Upper
83	100		
85	60.1	43.5	80.7
127	8.2	7.0	10.6





#39

cis-1,3-Dichloropropene

Concen: 0.553 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

Instrument :

MSVOA_R

ClientSampleId :

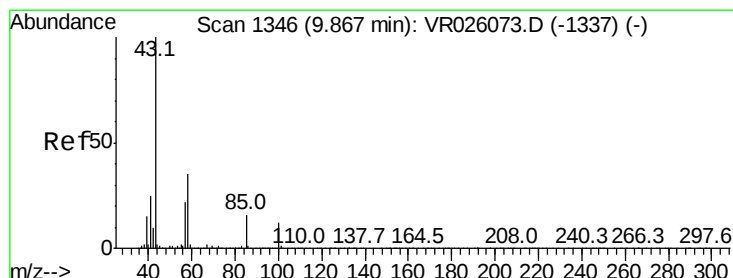
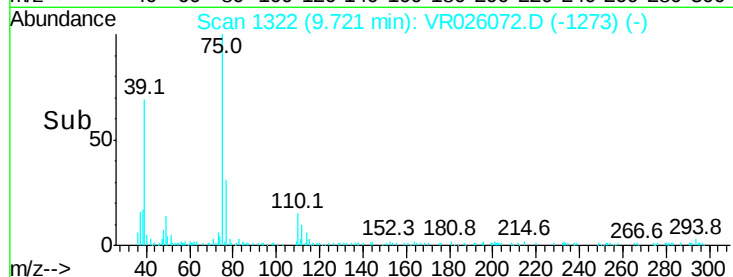
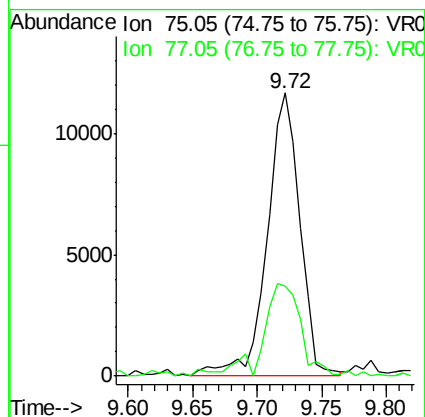
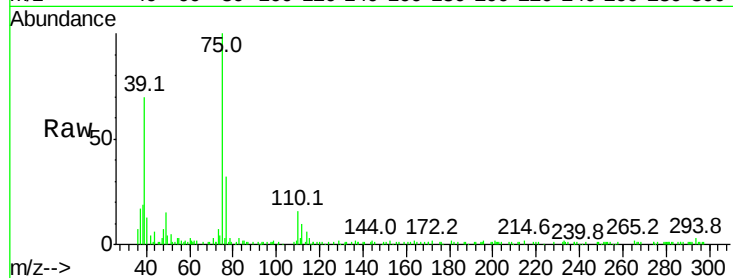
VSTD00182

Tgt Ion: 75 Resp: 20697

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.1



#40

4-Methyl-2-pentanone

Concen: 4.656 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

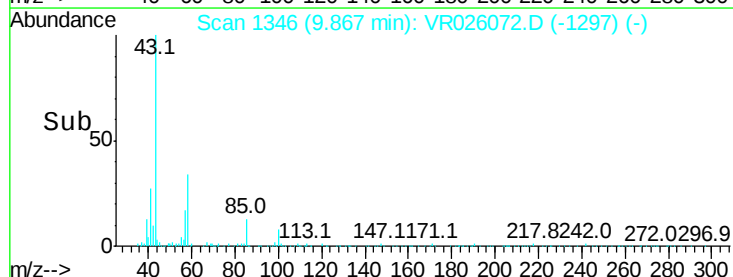
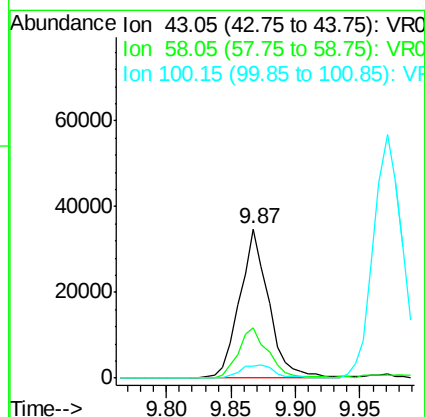
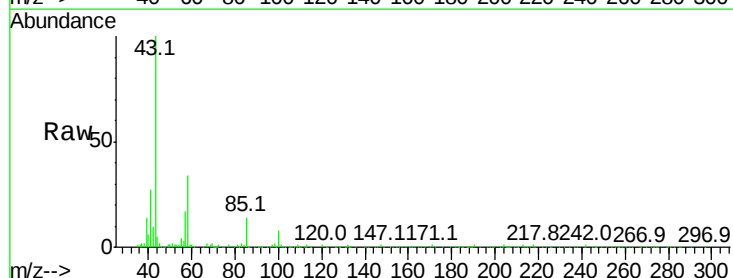
Tgt Ion: 43 Resp: 54659

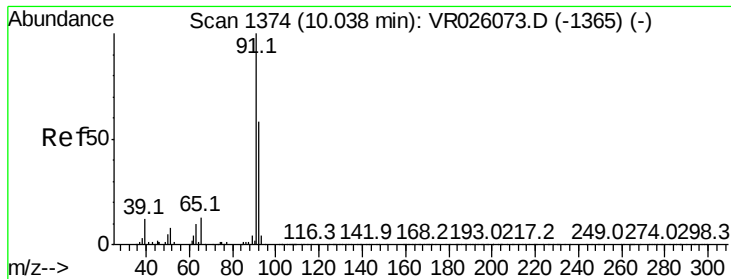
Ion Ratio Lower Upper

43 100

58 34.8 28.1 42.1

100 10.5 9.3 13.9





#42

Toluene

Concen: 0.584 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

Instrument :

MSVOA_R

ClientSampleId :

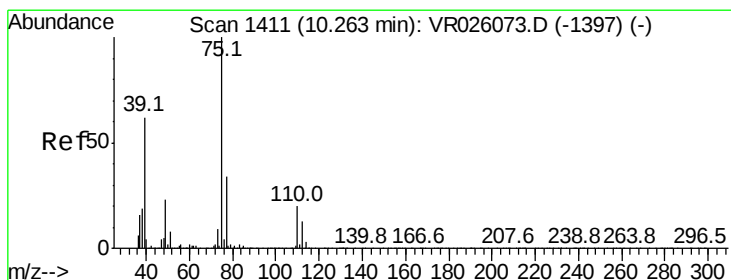
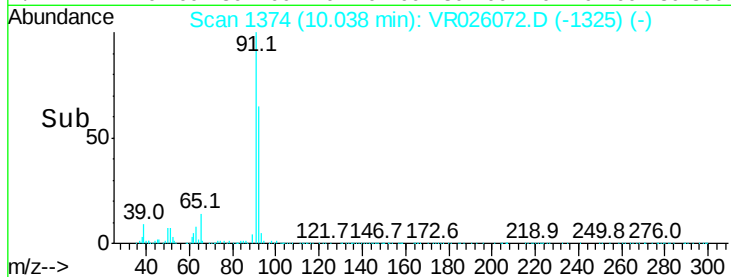
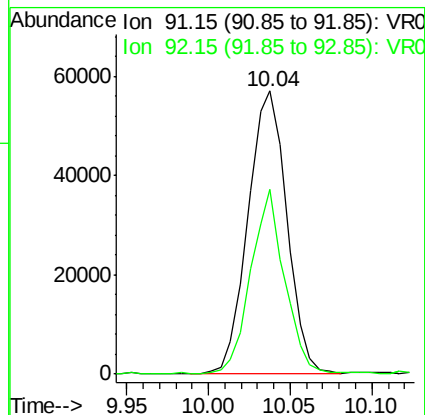
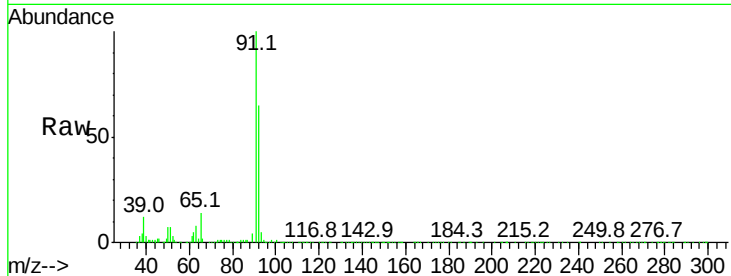
VSTD00182

Tgt Ion: 91 Resp: 94486

Ion Ratio Lower Upper

91 100

92 65.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.560 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026072.D

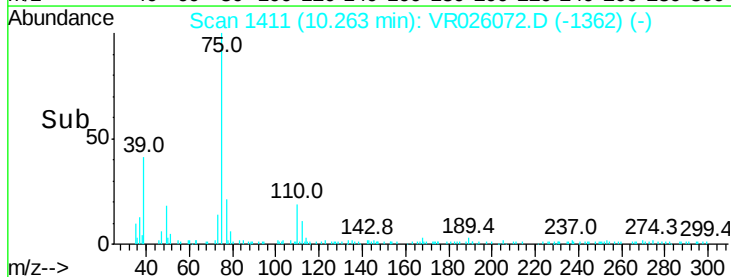
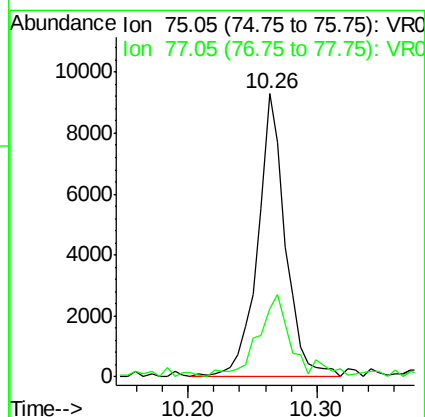
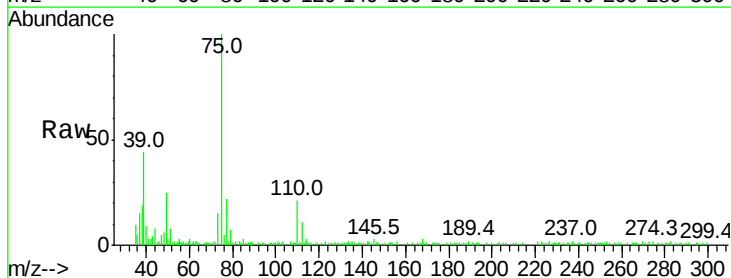
Acq: 15 Oct 2018 13:53

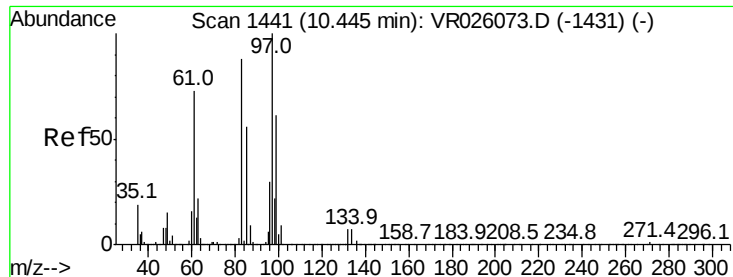
Tgt Ion: 75 Resp: 13697

Ion Ratio Lower Upper

75 100

77 24.2 24.1 44.7

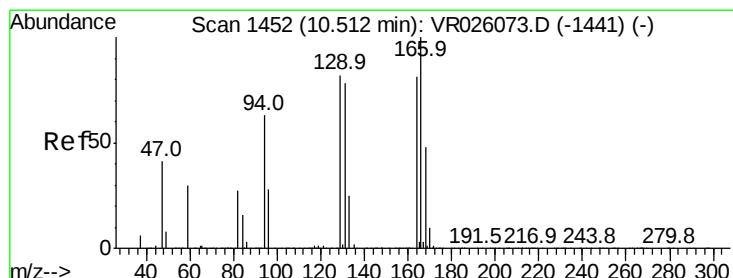
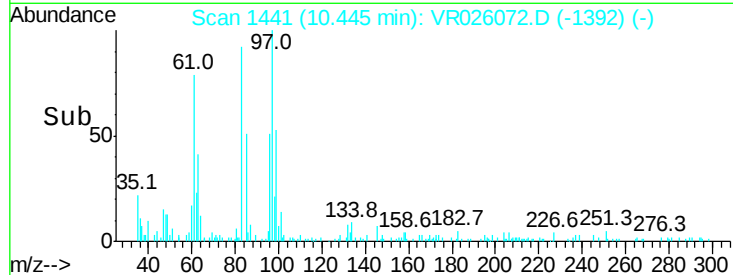
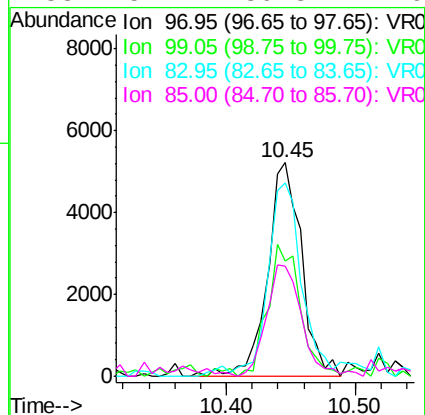
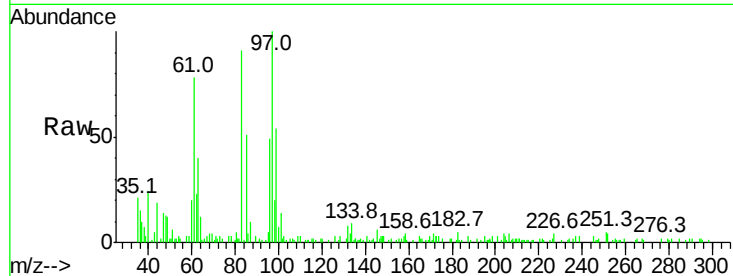




#45
 1,1,2-Trichloroethane
 Concen: 0.635 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR026072.D
 Acq: 15 Oct 2018 13:53

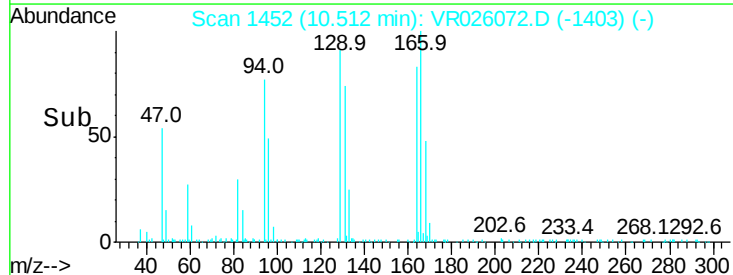
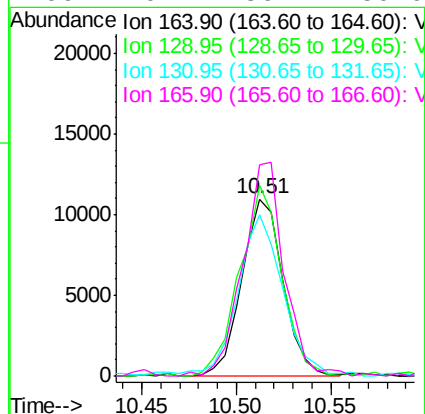
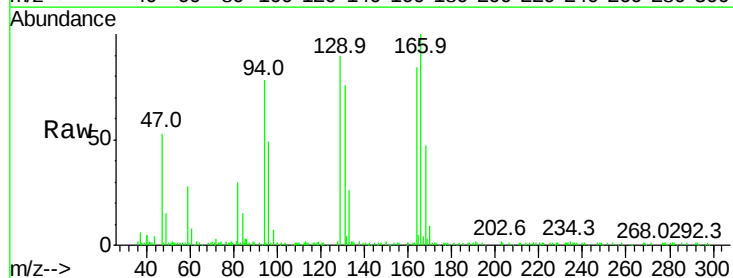
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

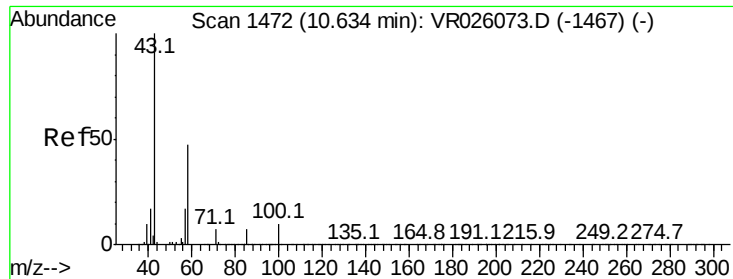
Tgt Ion:	97	Resp:	9588
Ion	Ratio	Lower	Upper
97	100		
99	53.9	42.8	79.4
83	90.5	61.9	114.9
85	51.4	39.3	72.9



#47
 Tetrachloroethene
 Concen: 0.657 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026072.D
 Acq: 15 Oct 2018 13:53

Tgt Ion:	164	Resp:	16604
Ion	Ratio	Lower	Upper
164	100		
129	108.0	70.3	130.5
131	91.2	67.3	125.1
166	119.4	86.1	159.9

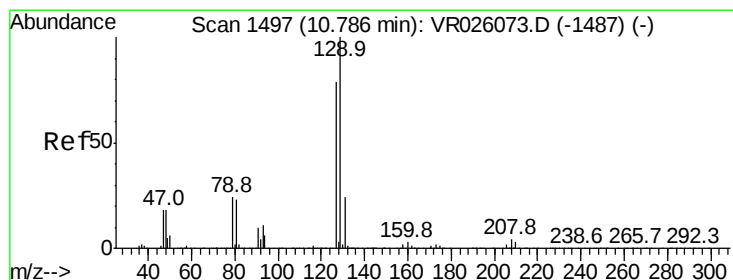
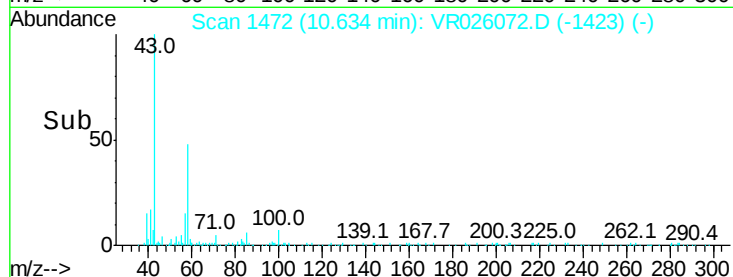
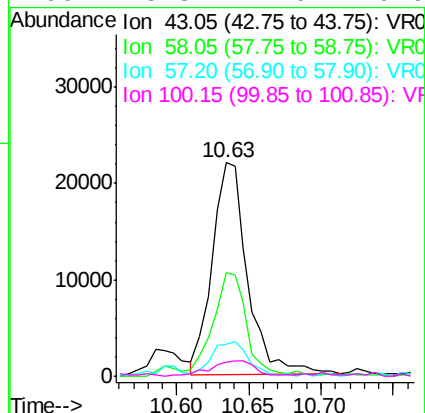
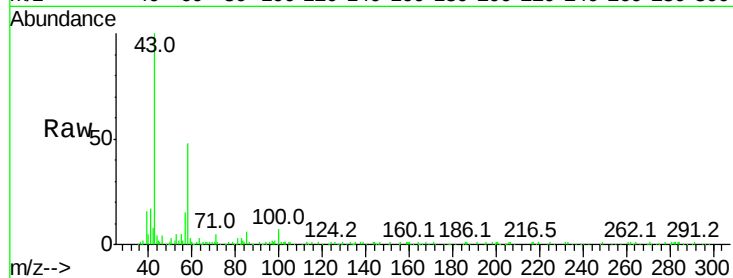




#48
2-Hexanone
Concen: 4.890 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

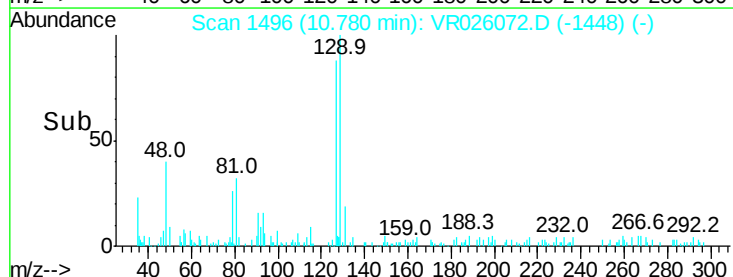
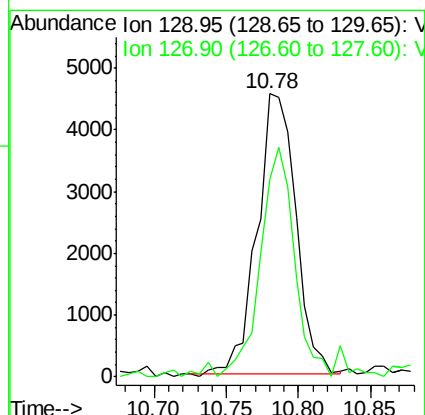
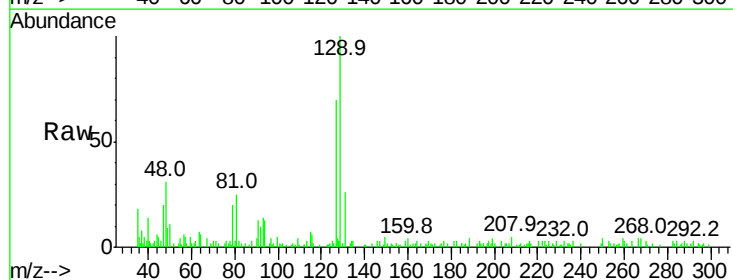
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

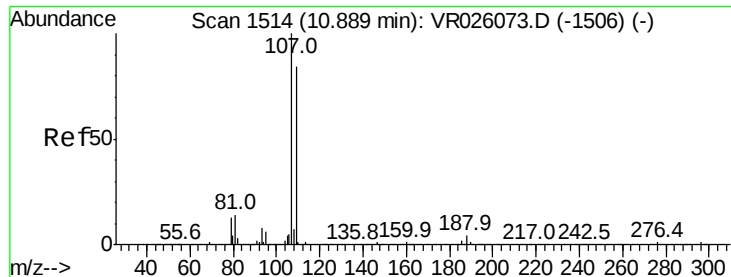
Tgt Ion:	43	Resp:	37580
Ion	Ratio	Lower	Upper
43	100		
58	46.0	39.6	59.4
57	17.2	14.0	21.0
100	8.8	7.0	10.6



#49
Dibromochloromethane
Concen: 0.547 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. -0.01 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

Tgt Ion:	129	Resp:	8376
Ion	Ratio	Lower	Upper
129	100		
127	73.4	55.0	102.2

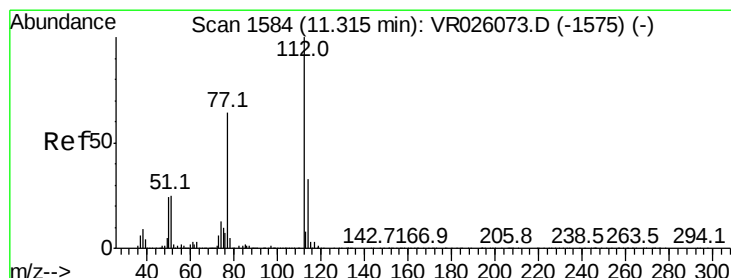
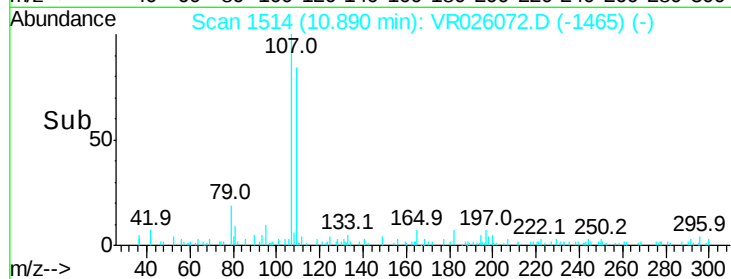
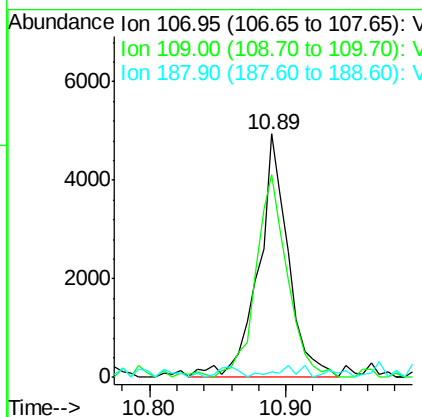
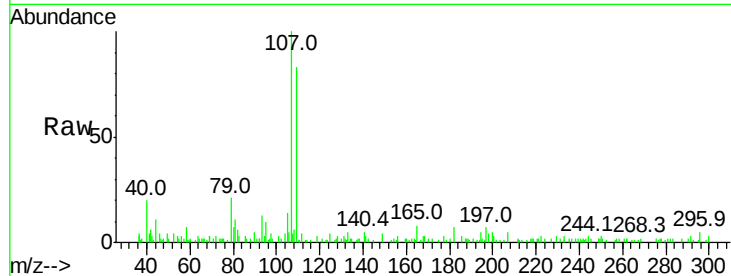




#50
1,2-Dibromoethane
Concen: 0.638 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

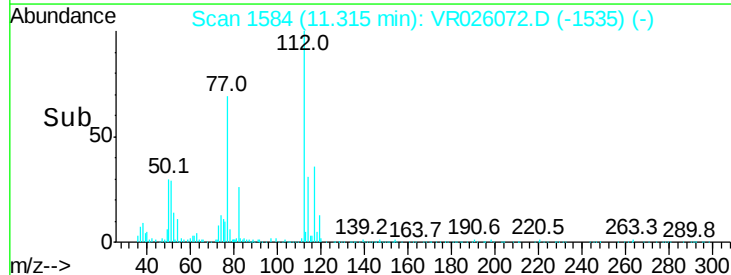
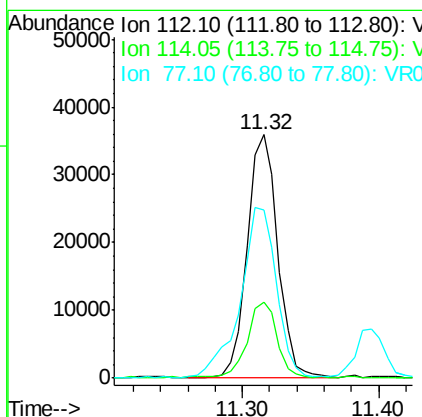
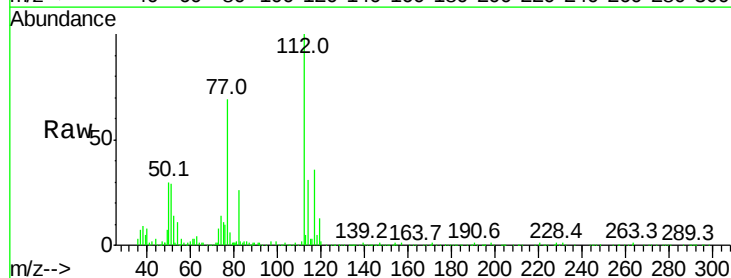
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

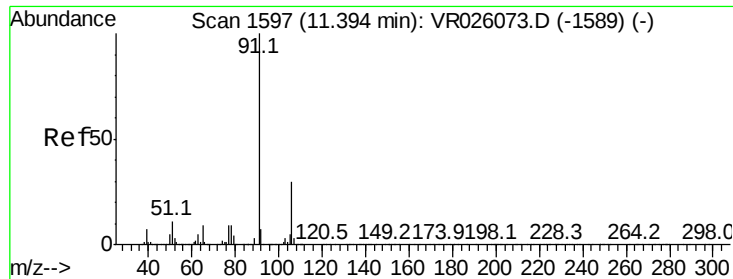
Tgt Ion:107 Resp: 7596
Ion Ratio Lower Upper
107 100
109 83.2 58.7 109.1
188 2.3 2.9 4.3#



#51
Chlorobenzene
Concen: 0.660 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

Tgt Ion:112 Resp: 56569
Ion Ratio Lower Upper
112 100
114 31.0 22.8 42.4
77 69.0 51.5 77.3





#52

Ethylbenzene

Concen: 0.578 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

Instrument :

MSVOA_R

ClientSampleId :

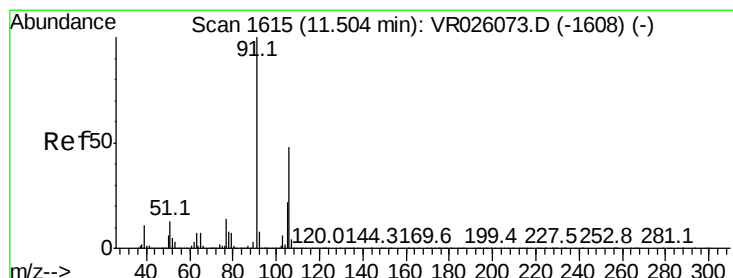
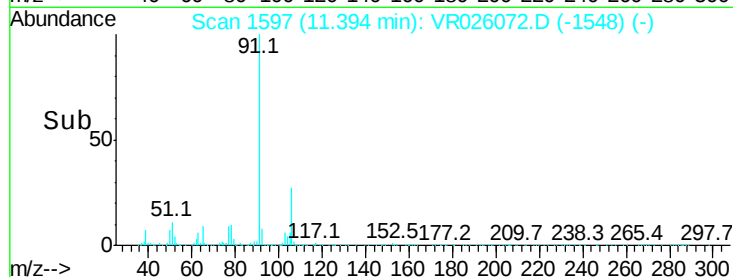
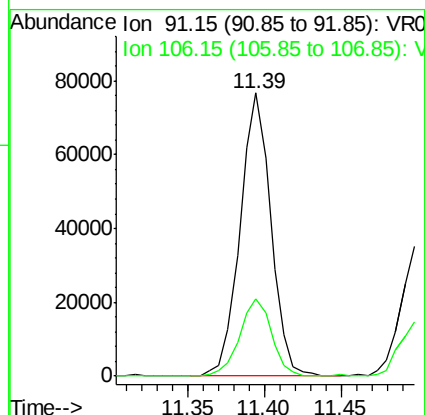
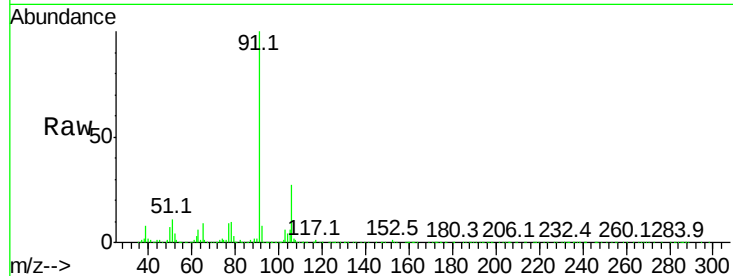
VSTD00182

Tgt Ion: 91 Resp: 106709

Ion Ratio Lower Upper

91 100

106 27.1 21.2 39.4



#53

m,p-Xylene

Concen: 0.520 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026072.D

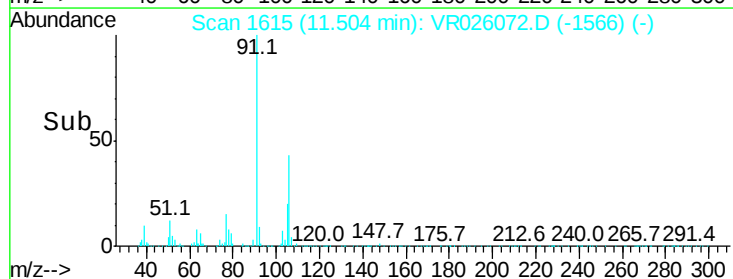
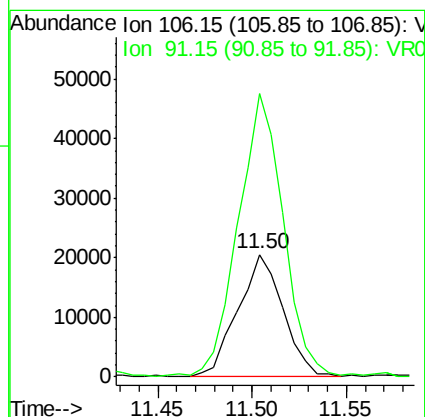
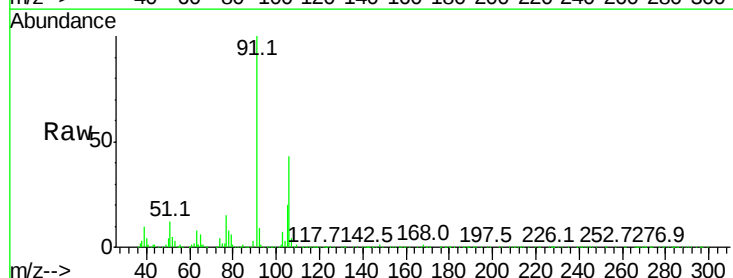
Acq: 15 Oct 2018 13:53

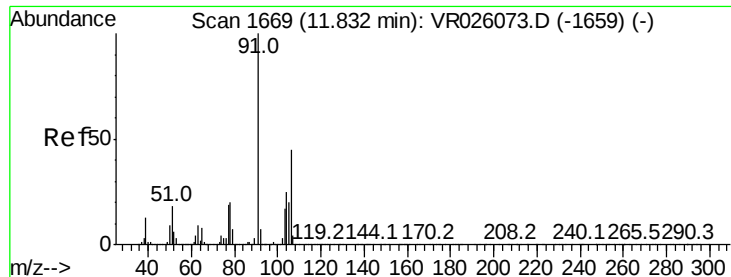
Tgt Ion: 106 Resp: 34155

Ion Ratio Lower Upper

106 100

91 231.1 145.3 269.8

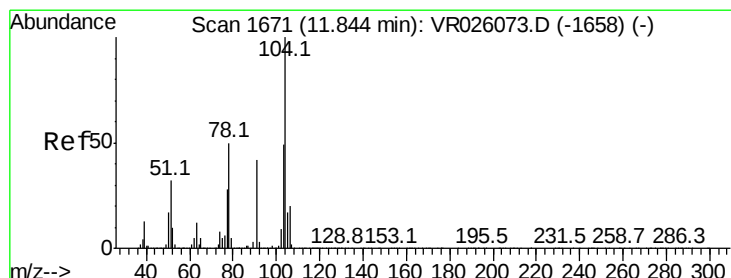
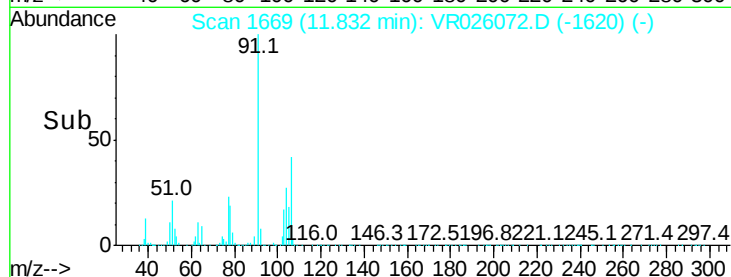
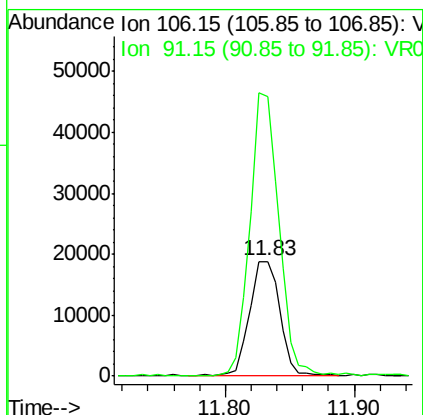
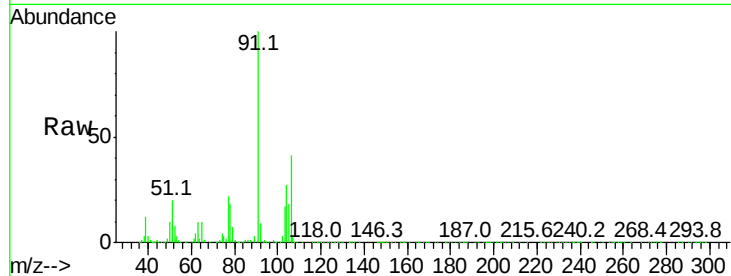




#54
o-Xylene
Concen: 0.503 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

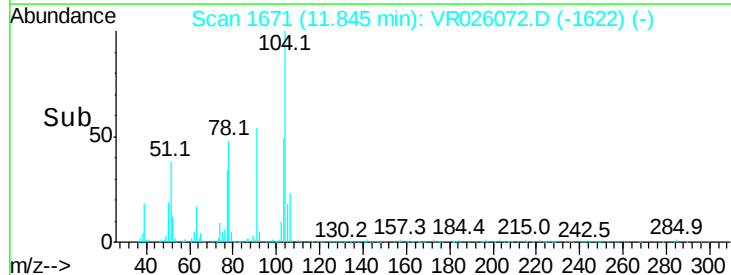
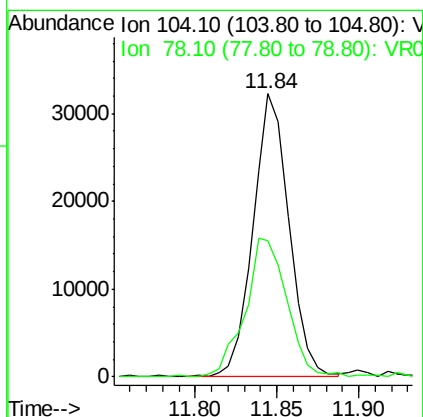
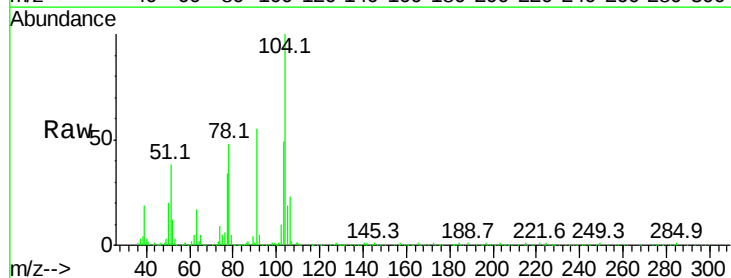
Instrument :
MSVOA_R
ClientSampled :
VSTD00182

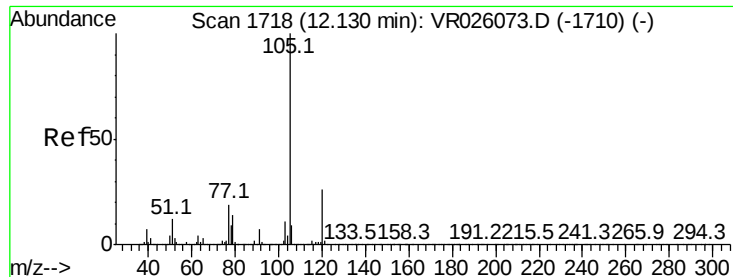
Tgt Ion:106 Resp: 30738
Ion Ratio Lower Upper
106 100
91 243.3 155.8 289.3



#55
Styrene
Concen: 0.516 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

Tgt Ion:104 Resp: 49096
Ion Ratio Lower Upper
104 100
78 48.1 34.7 64.5





#56

Isopropylbenzene

Concen: 0.512 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

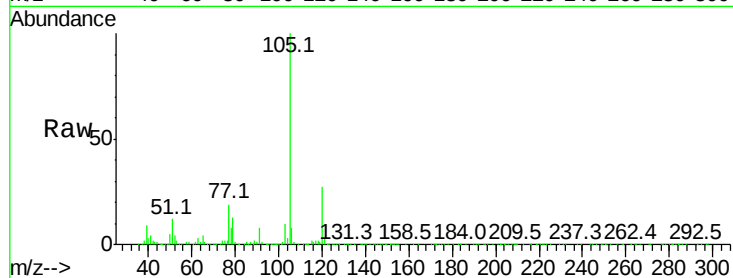
Tgt Ion: 105 Resp: 86398

Ion Ratio Lower Upper

105 100

120 25.5 21.0 31.4

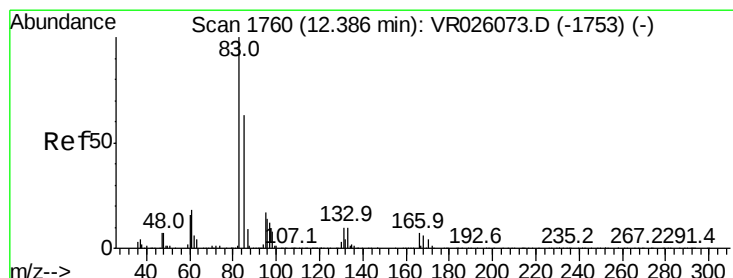
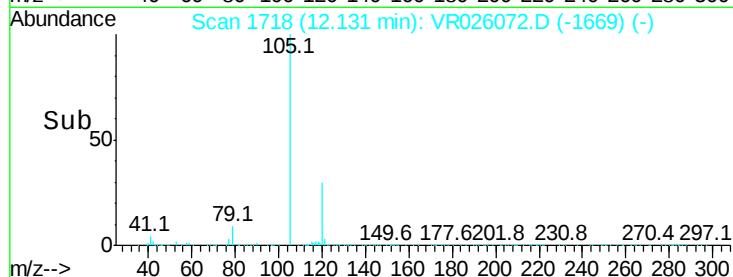
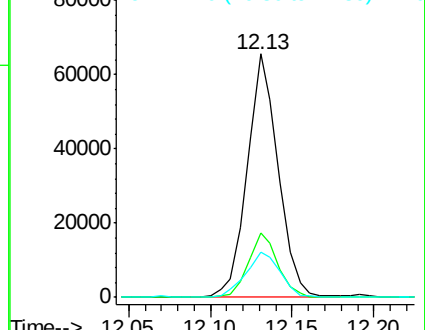
77 20.7 14.6 21.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.602 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

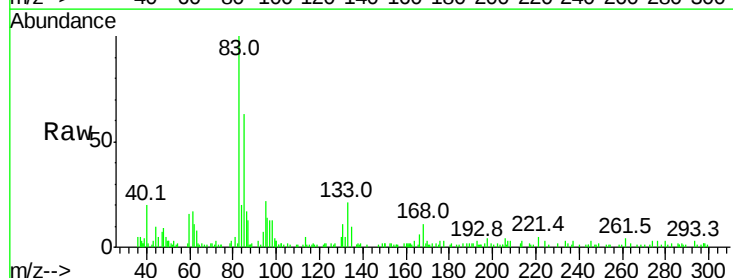
Tgt Ion: 83 Resp: 8765

Ion Ratio Lower Upper

83 100

85 62.8 44.0 81.8

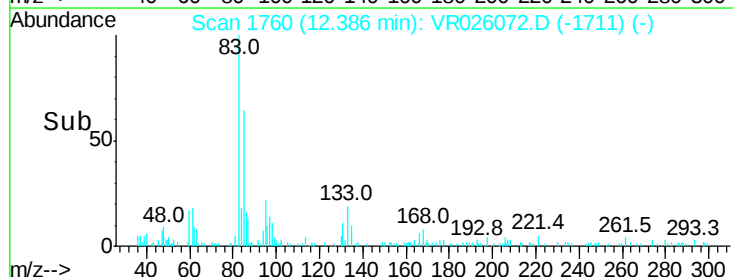
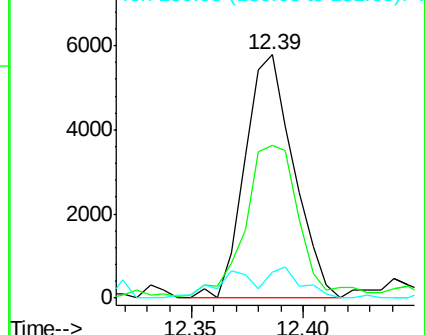
131 10.5 8.0 12.0

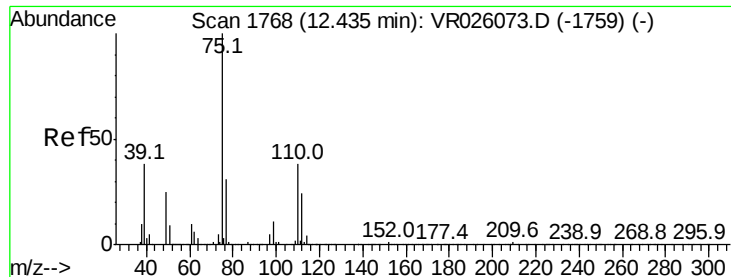


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.520 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

Instrument :

MSVOA_R

ClientSampleId :

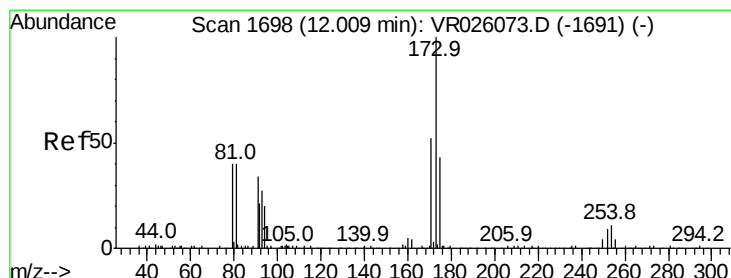
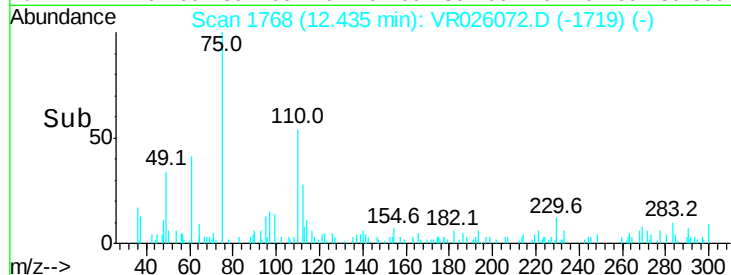
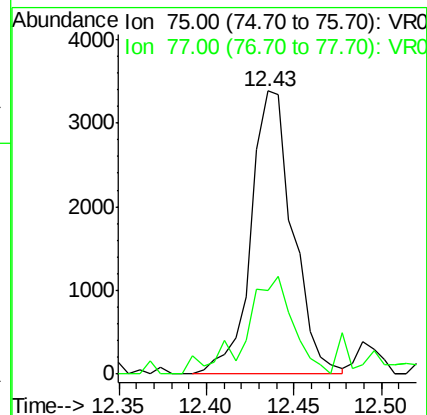
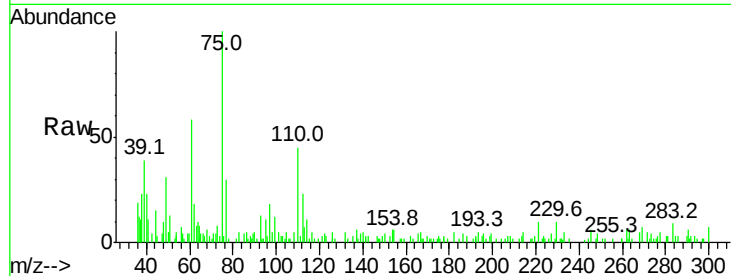
VSTD00182

Tgt Ion: 75 Resp: 5628

Ion Ratio Lower Upper

75 100

77 39.3 26.2 39.2#



#61

Bromoform

Concen: 0.605 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

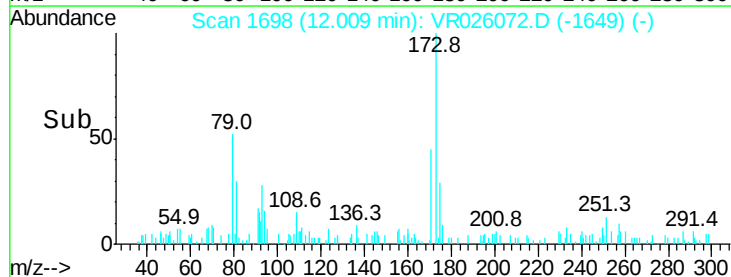
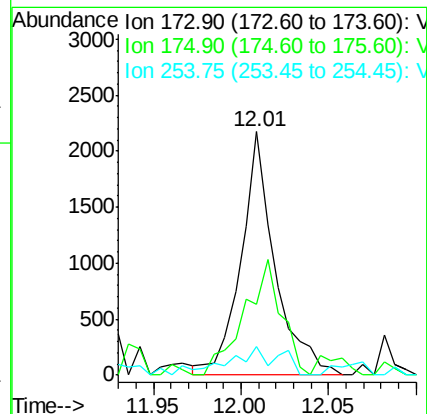
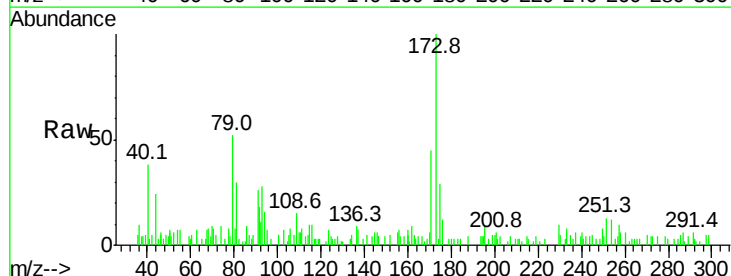
Tgt Ion: 173 Resp: 2936

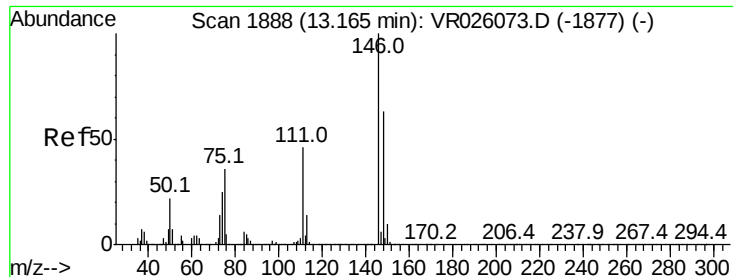
Ion Ratio Lower Upper

173 100

175 51.8 39.0 58.4

254 17.6 8.1 12.1#





#62

1,3-Dichlorobenzene

Concen: 0.584 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

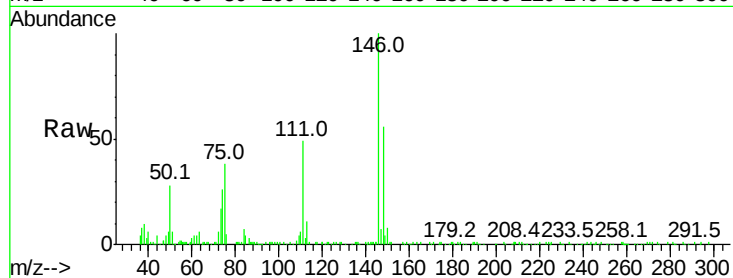
Tgt Ion:146 Resp: 27381

Ion Ratio Lower Upper

146 100

111 48.8 32.1 59.7

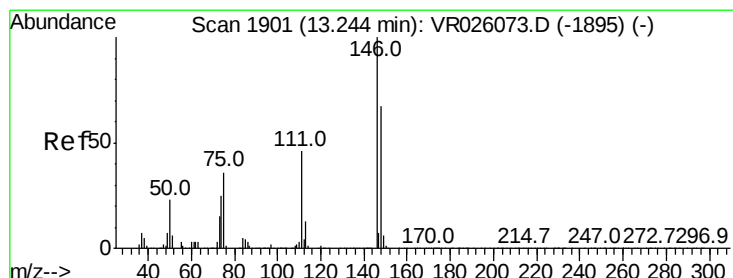
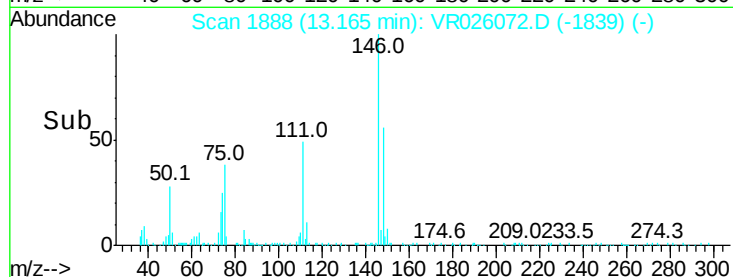
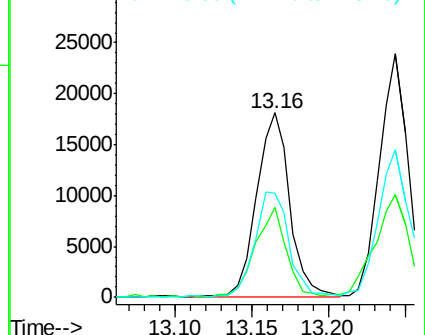
148 56.4 43.8 81.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.663 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

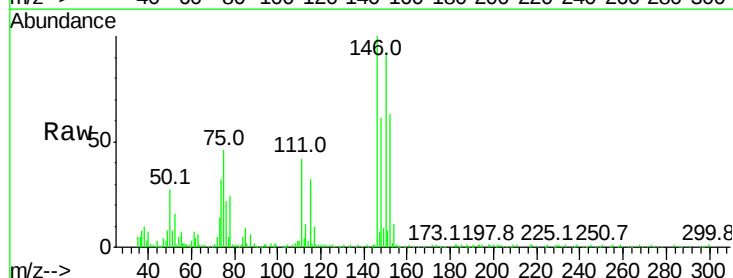
Tgt Ion:146 Resp: 31785

Ion Ratio Lower Upper

146 100

111 42.3 32.6 60.6

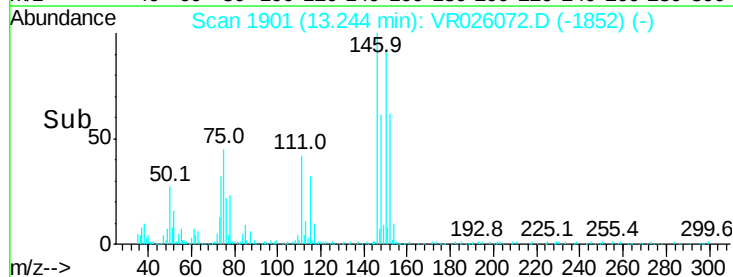
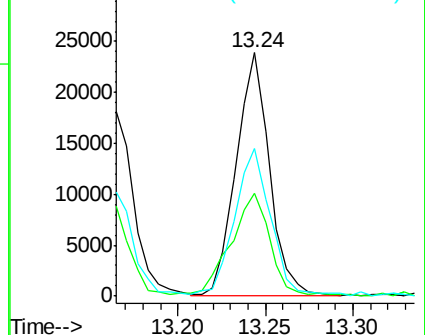
148 60.7 46.7 86.7

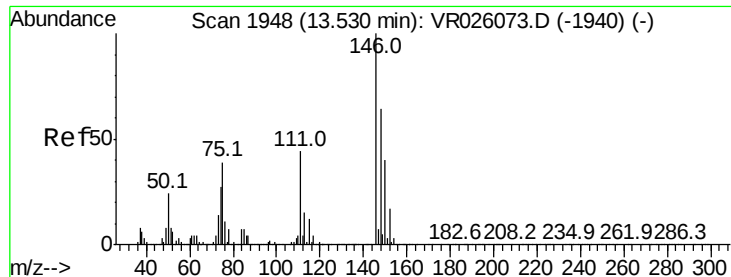


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

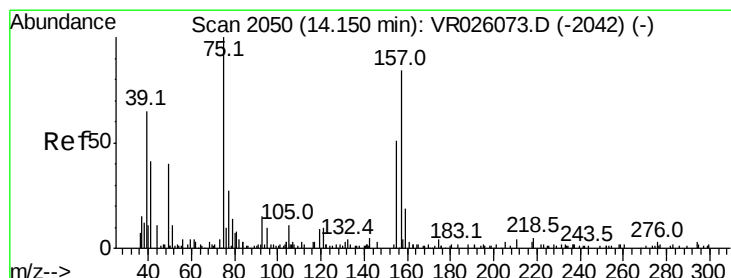
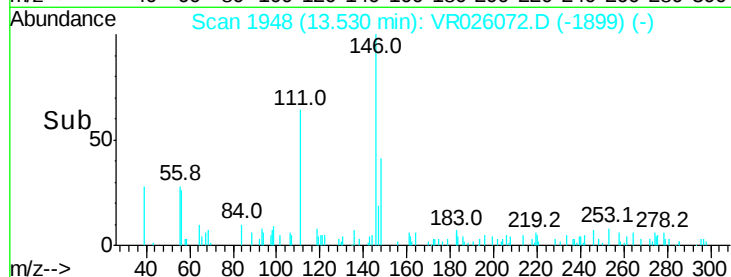
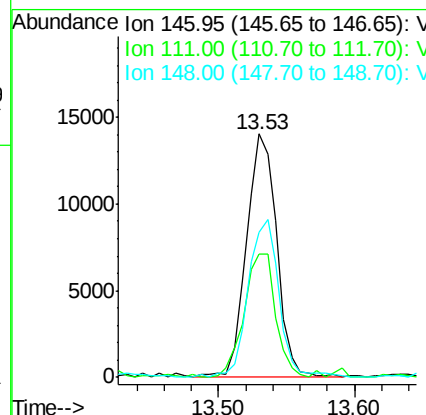
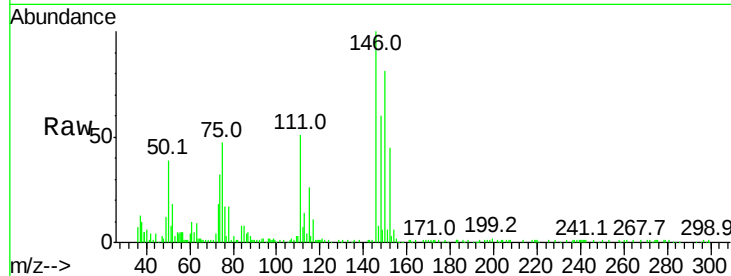




#65
1,2-Dichlorobenzene
Concen: 0.581 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

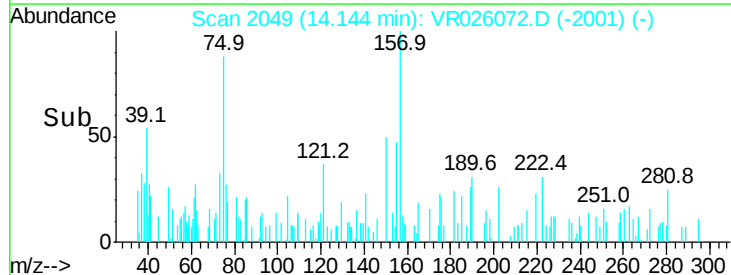
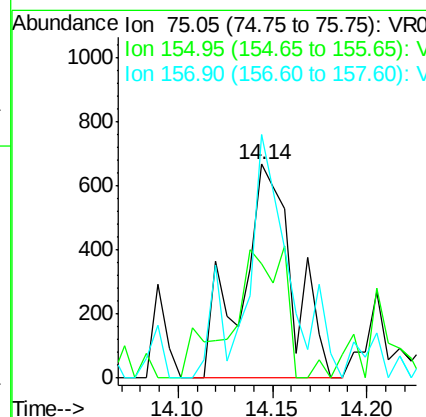
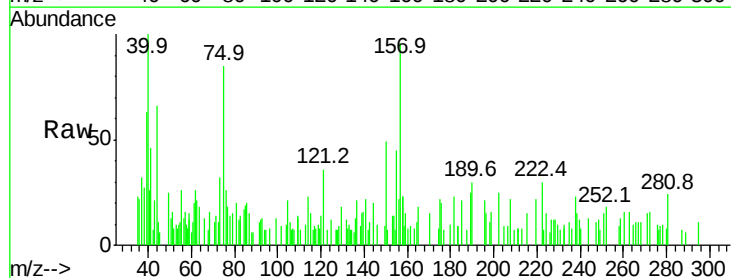
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

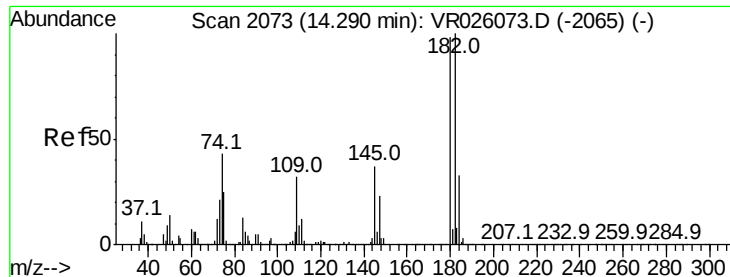
Tgt Ion: 146 Resp: 21870
Ion Ratio Lower Upper
146 100
111 50.6 35.2 52.8
148 59.6 51.2 76.8



#66
1,2-Dibromo-3-chloropropane
Concen: 0.794 ug/L
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: VR026072.D
Acq: 15 Oct 2018 13:53

Tgt Ion: 75 Resp: 1257
Ion Ratio Lower Upper
75 100
155 53.1 40.9 61.3
157 141.2 67.3 100.9#





#67

1,3,5-Trichlorobenzene

Concen: 0.596 ug/L

RT: 14.29 min Scan# 2073

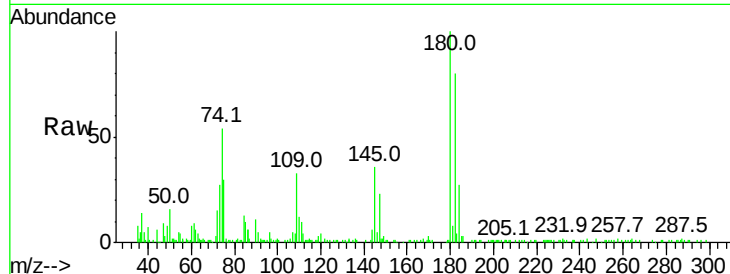
Delta R.T. 0.00 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Tgt Ion:	180	Resp:	16653
Ion Ratio	Lower	Upper	
180	100		
182	92.7	77.5	116.3
184	31.9	25.0	37.4
145	35.6	27.6	41.4

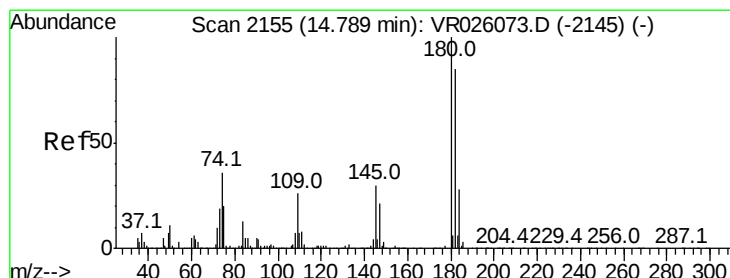
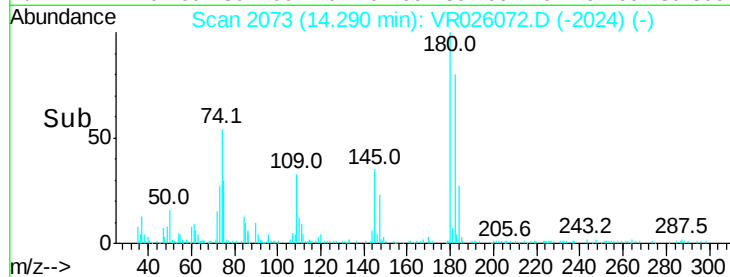
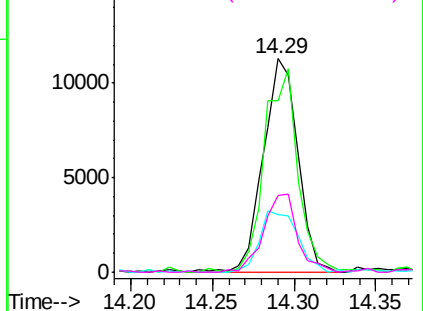


Abundance Ion 180.00 (179.70 to 180.70): V

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: 0.488 ug/L

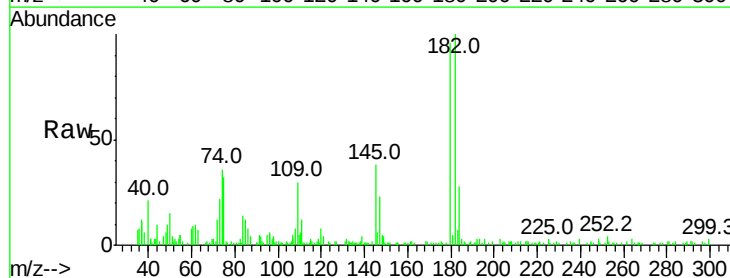
RT: 14.78 min Scan# 2154

Delta R.T. -0.01 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

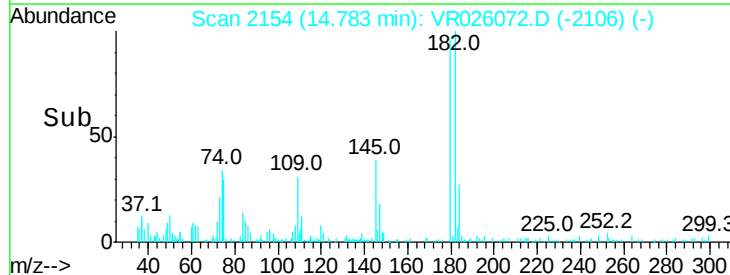
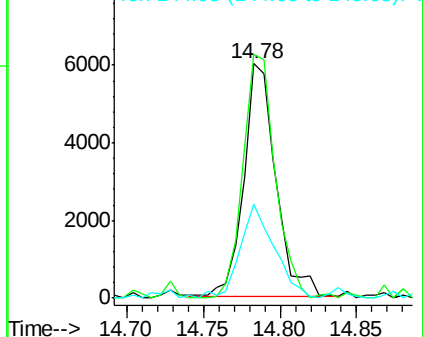
Tgt Ion:	180	Resp:	8679
Ion Ratio	Lower	Upper	
180	100		
182	105.8	76.1	114.1
145	43.5	28.2	42.4#

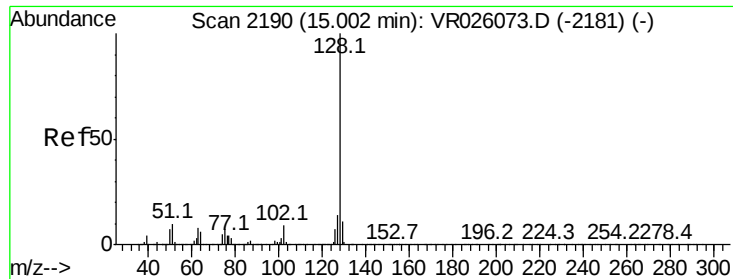


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.323 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

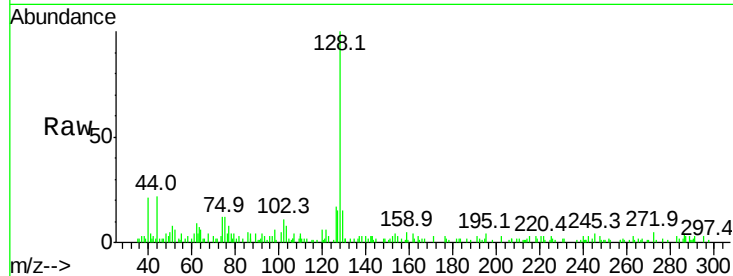
Tgt Ion:128 Resp: 7337

Ion Ratio Lower Upper

128 100

127 16.6 11.0 16.6#

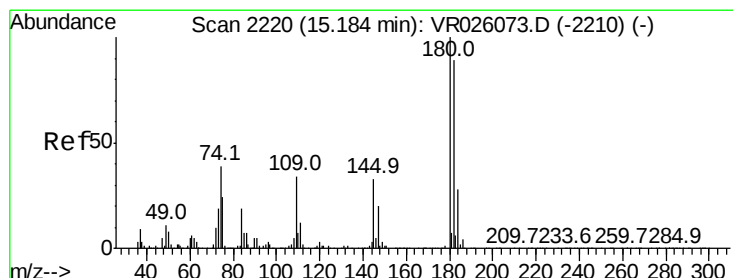
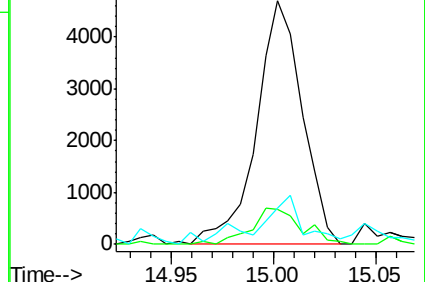
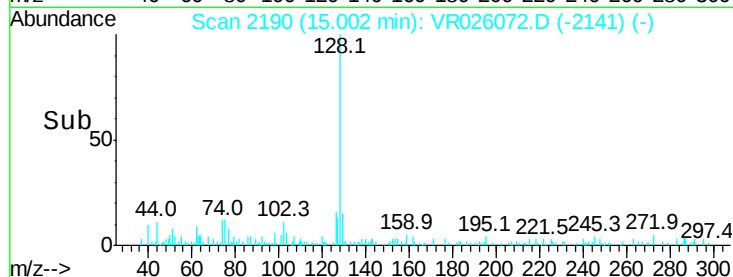
129 13.2 9.1 13.7



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: 0.487 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.01 min

Lab File: VR026072.D

Acq: 15 Oct 2018 13:53

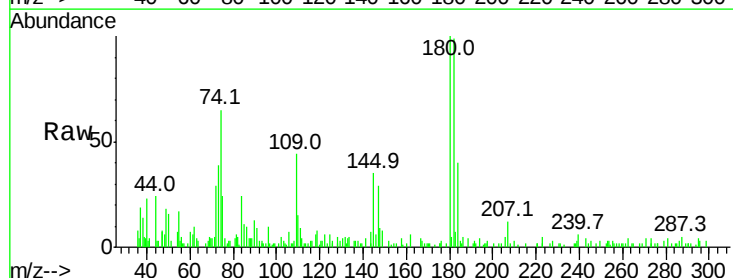
Tgt Ion:180 Resp: 6009

Ion Ratio Lower Upper

180 100

182 113.0 75.7 113.5

145 50.2 28.8 43.2#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

