

Data File : VR026021.D
Acq On : 10 Oct 2018 9:55
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

Quant Time: Oct 11 04:11:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 10 05:39:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	487024	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	417667	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	163373	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	214213	5.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.60%
7) Chloroethane-d5	2.63	69	180183	5.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.80%
11) 1,1-Dichloroethene-d2	3.63	63	499361	5.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.80%
20) 2-Butanone-d5	6.59	46	208334	48.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.32%
24) Chloroform-d	7.20	84	351195	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	7.89	65	154744	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	7.85	84	704318	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	8.90	67	184777	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	9.97	98	681659	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
43) trans-1,3-Dichloropropene-	10.23	79	49154	5.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	115.60%
46) 2-Hexanone-d5	10.59	63	170246	52.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.00%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	80251	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	130145	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	121489	4.104 ug/L	99
3) Chloromethane	2.01	50	201297	4.782 ug/L	100
5) Vinyl chloride	2.17	62	197504	4.714 ug/L	97
6) Bromomethane	2.52	94	115755	4.425 ug/L	96
8) Chloroethane	2.66	64	116652	4.894 ug/L	99
9) Trichlorofluoromethane	2.94	101	113612	1.953 ug/L #	30
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	186259	5.238 ug/L #	82
12) 1,1-Dichloroethene	3.65	96	187731	5.106 ug/L	86
13) Acetone	3.69	43	162636	52.408 ug/L	96
14) Carbon disulfide	3.94	76	416400	4.679 ug/L	100
15) Methyl Acetate	4.19	43	43950	5.108 ug/L	96
16) Methylene chloride	4.40	84	159560	4.720 ug/L	98
17) Methyl tert-butyl Ether	4.89	73	188183	4.622 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	138314	4.549 ug/L	86
19) 1,1-Dichloroethane	5.69	63	273341	4.540 ug/L	99
21) 2-Butanone	6.69	43	195522	45.807 ug/L	96
22) cis-1,2-Dichloroethene	6.67	96	140637	4.597 ug/L #	95

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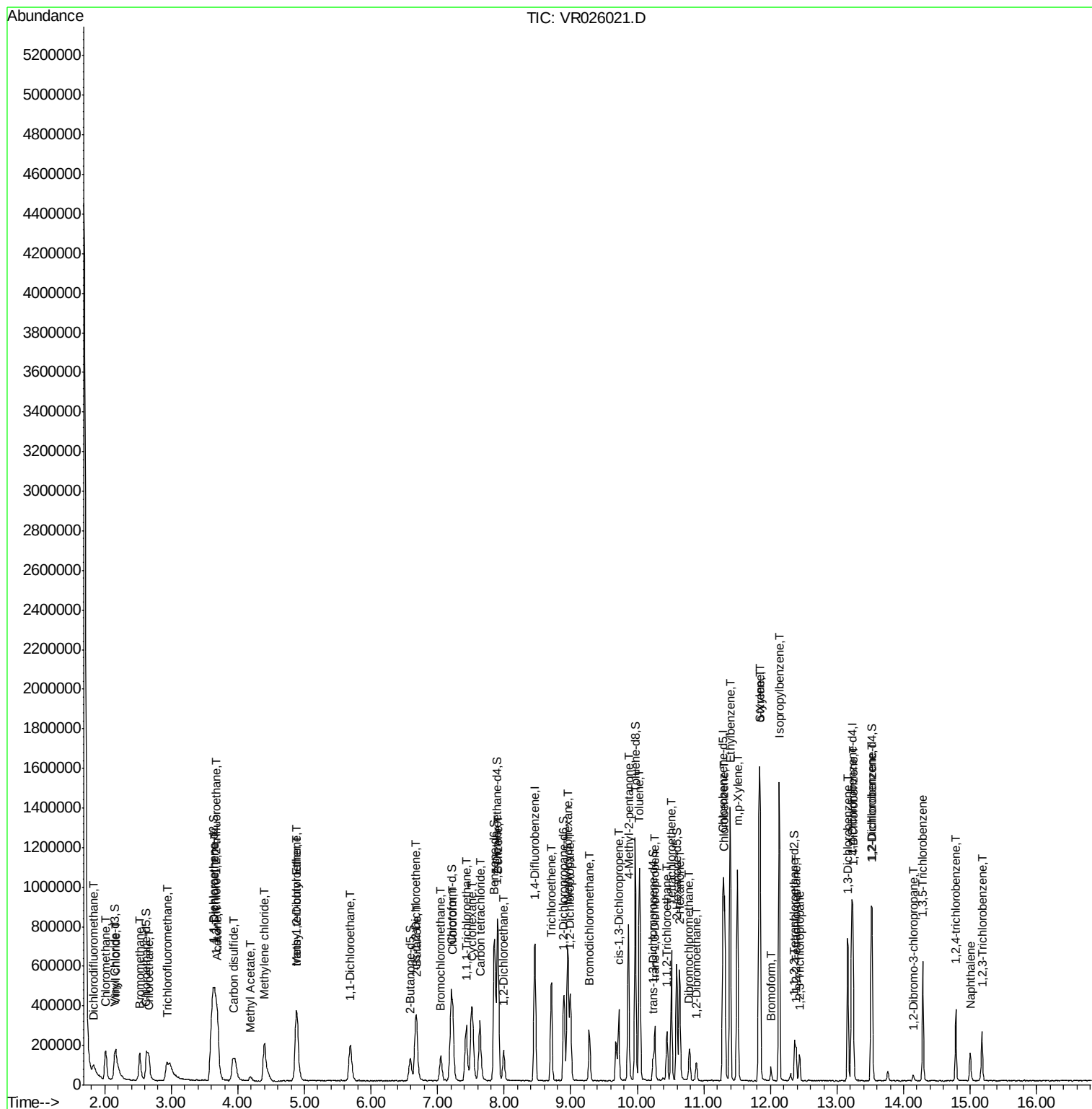
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	37711	4.544	ug/L	87
25) Chloroform	7.23	83	278946	4.758	ug/L	97
27) 1,2-Dichloroethane	7.99	62	135126	4.619	ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	228345	4.862	ug/L	99
30) Cyclohexane	7.51	56	233275	3.975	ug/L	96
31) Carbon tetrachloride	7.63	117	209936	5.161	ug/L	100
33) Benzene	7.90	78	627497	4.479	ug/L	100
34) Trichloroethene	8.71	95	161533	4.376	ug/L	92
35) Methylcyclohexane	8.95	83	247136	4.453	ug/L	96
37) 1,2-Dichloropropane	9.00	63	137483	4.575	ug/L	99
38) Bromodichloromethane	9.28	83	156725	4.833	ug/L	96
39) cis-1,3-Dichloropropene	9.72	75	171030	5.076	ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	499233	47.242	ug/L	98
42) Toluene	10.03	91	692840	4.760	ug/L	96
44) trans-1,3-Dichloropropene	10.26	75	120013	5.455	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	61549	4.528	ug/L	95
47) Tetrachloroethene	10.51	164	106994	4.704	ug/L	91
48) 2-Hexanone	10.63	43	342005	49.430	ug/L	96
49) Dibromochloromethane	10.79	129	69437	5.033	ug/L	100
50) 1,2-Dibromoethane	10.89	107	54338	5.066	ug/L #	94
51) Chlorobenzene	11.32	112	379123	4.910	ug/L	96
52) Ethylbenzene	11.39	91	822627	4.951	ug/L	98
53) m,p-Xylene	11.50	106	293660	4.965	ug/L	99
54) o-Xylene	11.83	106	269461	4.894	ug/L	85
55) Styrene	11.84	104	429404	5.011	ug/L	92
56) Isopropylbenzene	12.13	105	775378	5.106	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.39	83	62699	4.787	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	45917	4.710	ug/L	98
61) Bromoform	12.01	173	25022	5.066	ug/L #	96
62) 1,3-Dichlorobenzene	13.16	146	219009	4.587	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	224670	4.600	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	178653	4.657	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.15	75	6887	4.269	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	134532	4.730	ug/L	96
68) 1,2,4-trichlorobenzene	14.78	180	78015	4.303	ug/L	98
69) Naphthalene	15.00	128	90189	3.898	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	56113	4.461	ug/L	97

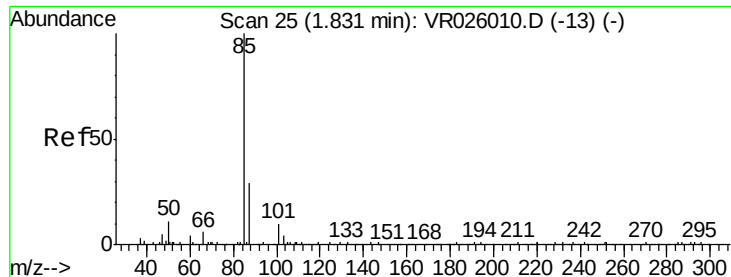
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.104 ug/L

RT: 1.82 min Scan# 24

Delta R.T. -0.01 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_R

ClientSampleId :

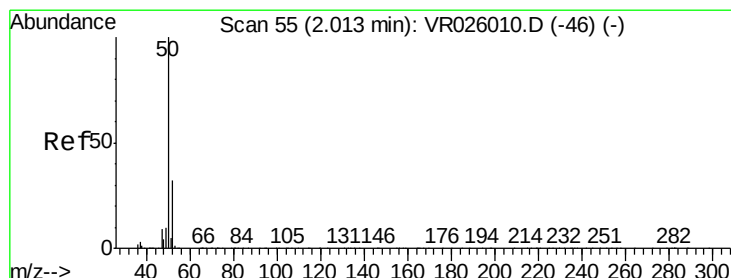
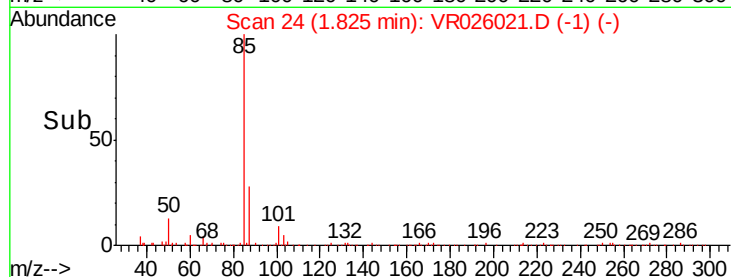
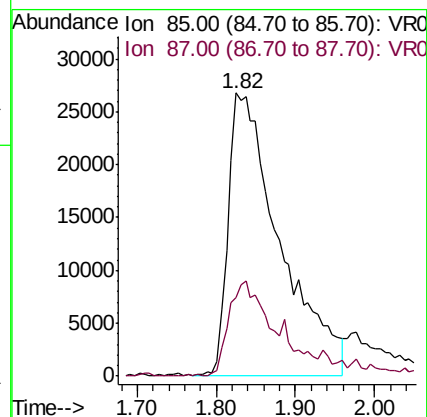
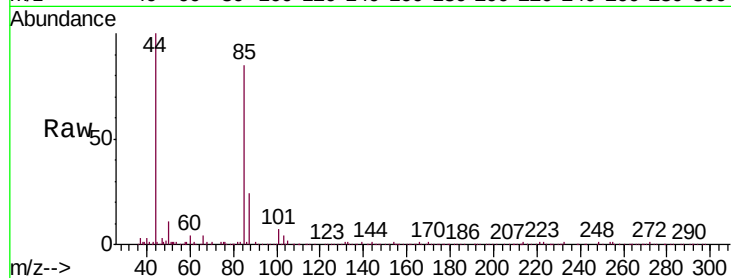
VSTD00594

Tgt Ion: 85 Resp: 121489

Ion Ratio Lower Upper

85 100

87 30.6 25.1 37.7



#3

Chloromethane

Concen: 4.782 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR026021.D

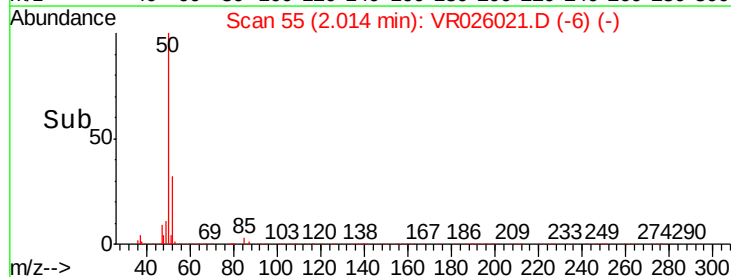
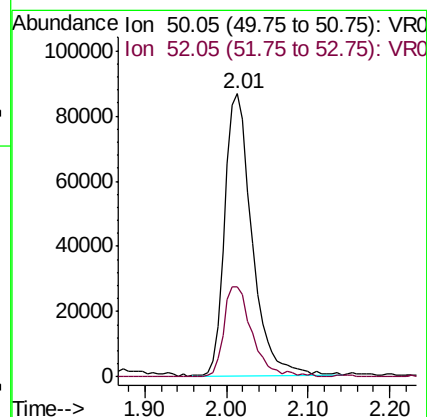
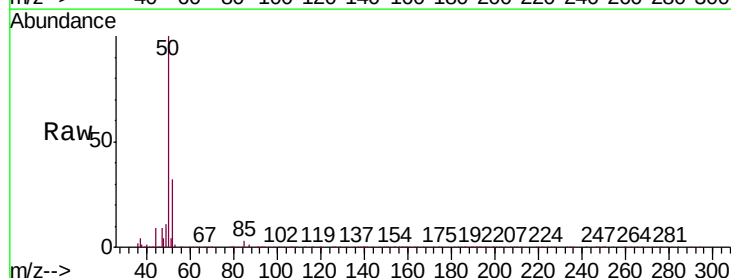
Acq: 10 Oct 2018 9:55

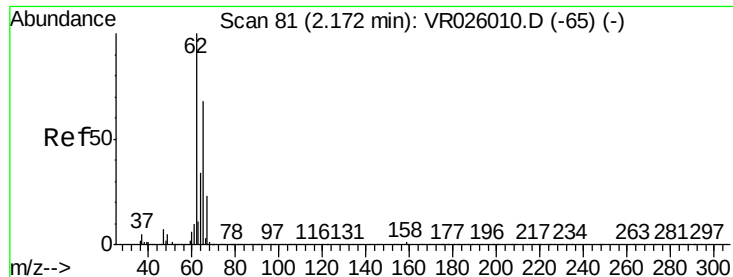
Tgt Ion: 50 Resp: 201297

Ion Ratio Lower Upper

50 100

52 31.7 22.1 41.1





#5

Vinyl chloride

Concen: 4.714 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.01 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_R

ClientSampled :

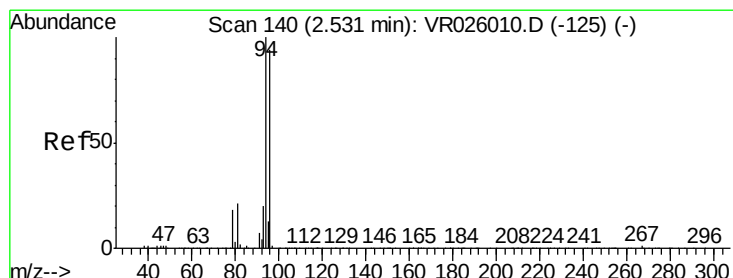
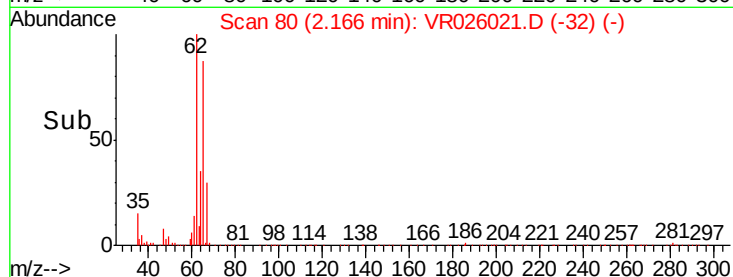
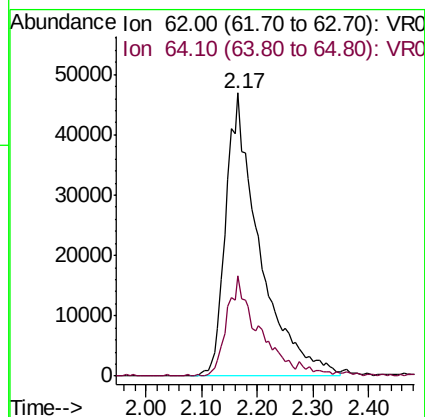
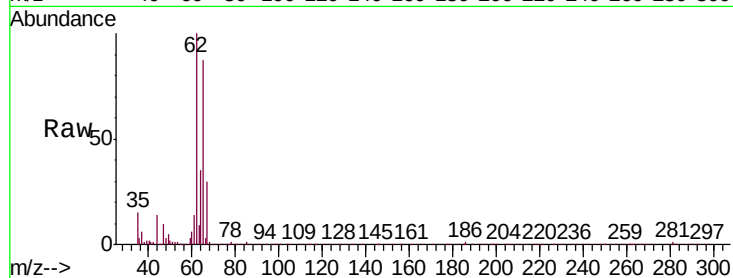
VSTD00594

Tgt Ion: 62 Resp: 197504

Ion Ratio Lower Upper

62 100

64 35.3 23.5 43.7



#6

Bromomethane

Concen: 4.425 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.01 min

Lab File: VR026021.D

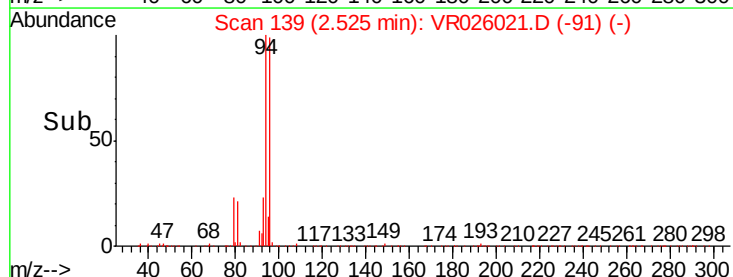
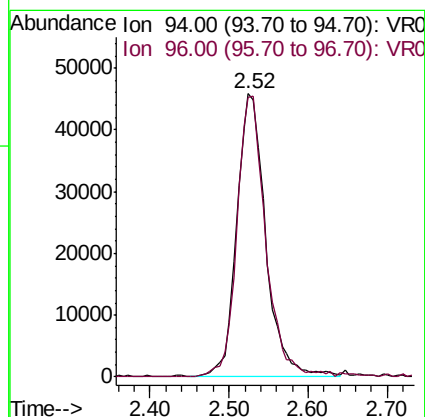
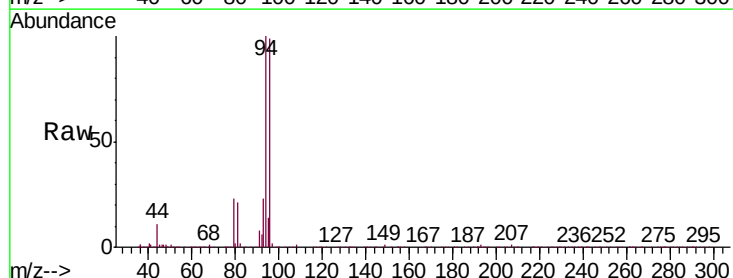
Acq: 10 Oct 2018 9:55

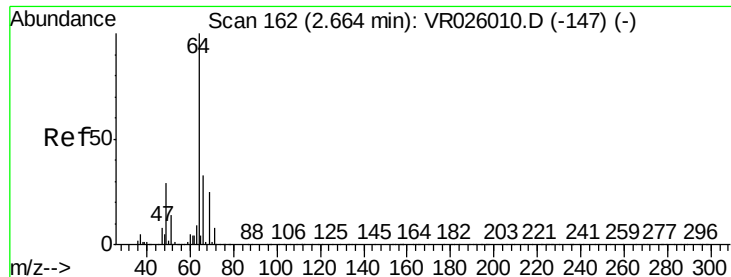
Tgt Ion: 94 Resp: 115755

Ion Ratio Lower Upper

94 100

96 98.8 66.1 122.8





#8

Chloroethane

Concen: 4.894 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.00 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_R

ClientSampleId :

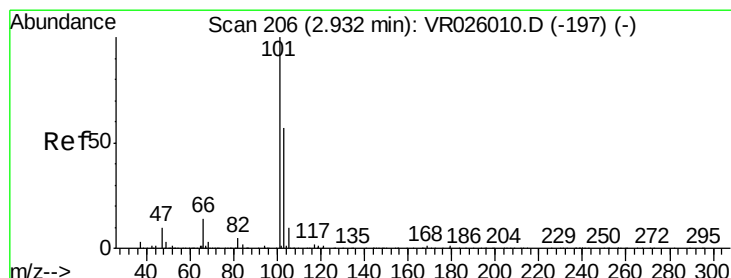
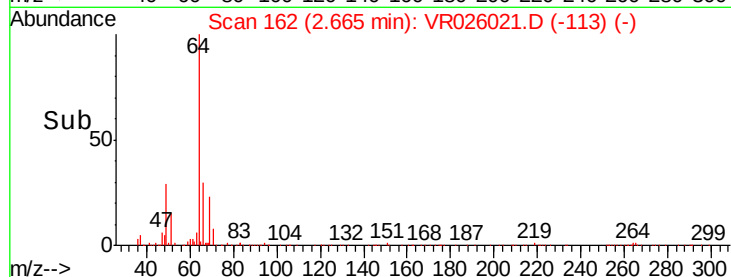
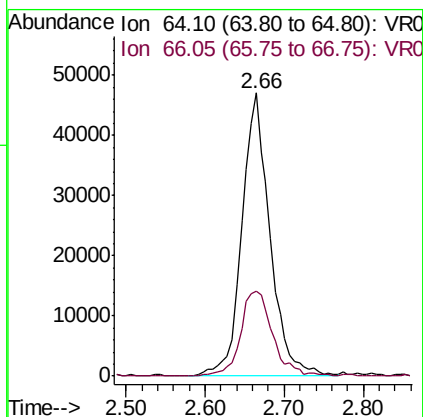
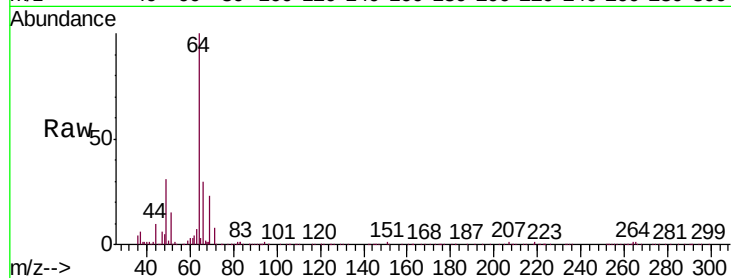
VSTD00594

Tgt Ion: 64 Resp: 116652

Ion Ratio Lower Upper

64 100

66 30.0 21.3 39.5



#9

Trichlorofluoromethane

Concen: 1.953 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.01 min

Lab File: VR026021.D

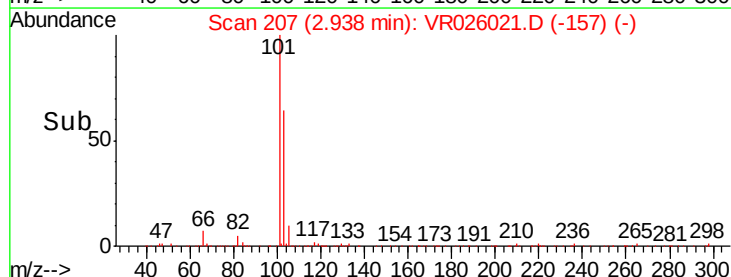
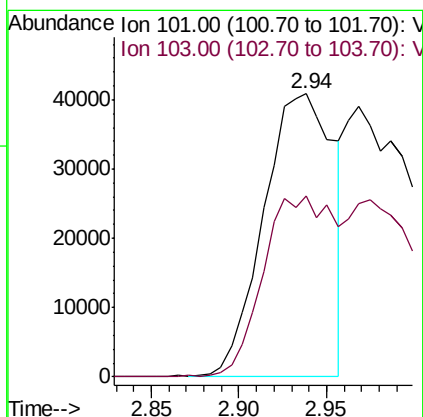
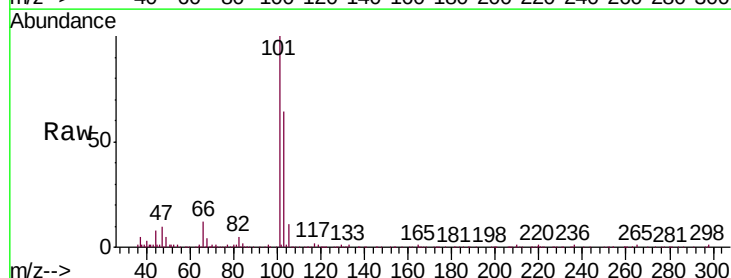
Acq: 10 Oct 2018 9:55

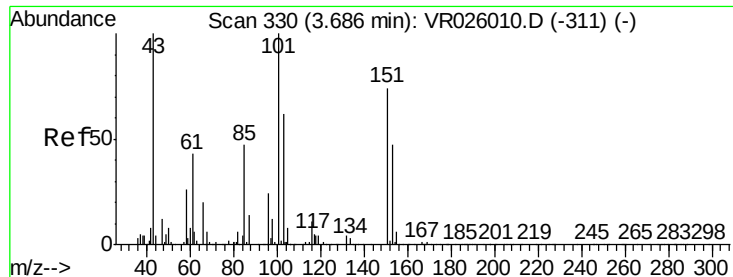
Tgt Ion: 101 Resp: 113612

Ion Ratio Lower Upper

101 100

103 64.3 22.1 33.1#





#10

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

Concen: 5.238 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.01 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_R

ClientSampleId :

VSTD00594

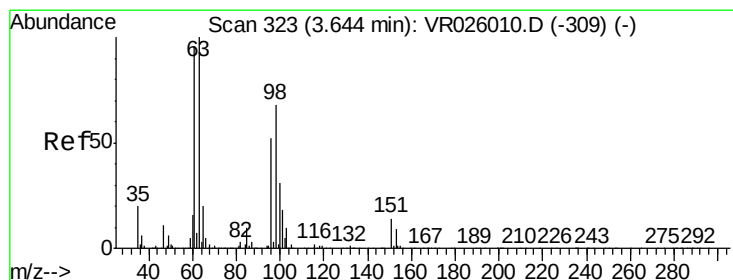
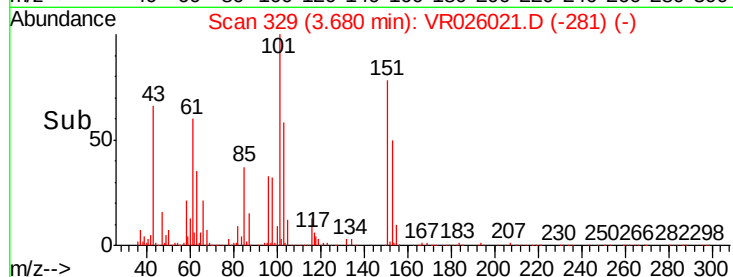
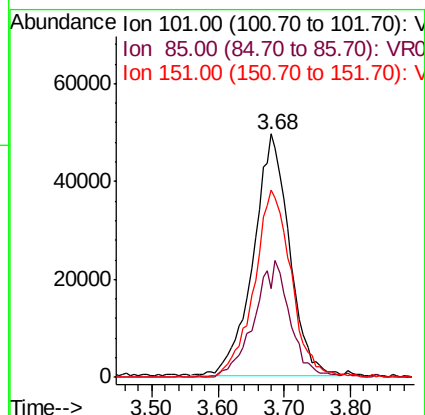
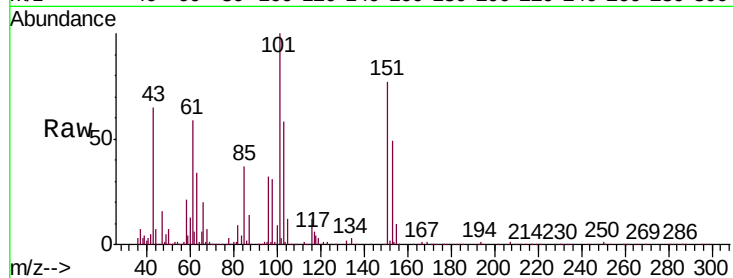
Tgt Ion: 101 Resp: 186259

Ion Ratio Lower Upper

101 100

85 25.3 38.2 57.4#

151 80.1 58.4 87.6



#12

1,1-Dichloroethene

Concen: 5.106 ug/L

RT: 3.65 min Scan# 324

Delta R.T. 0.01 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

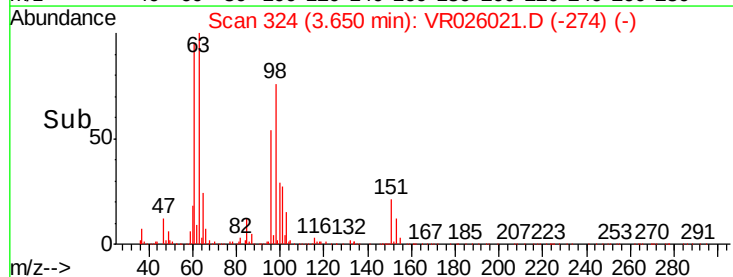
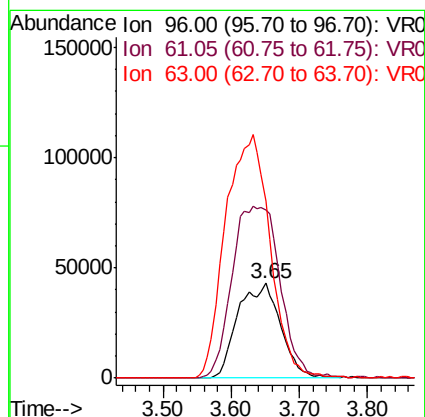
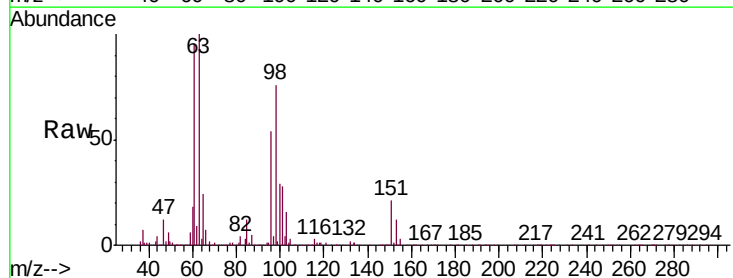
Tgt Ion: 96 Resp: 187731

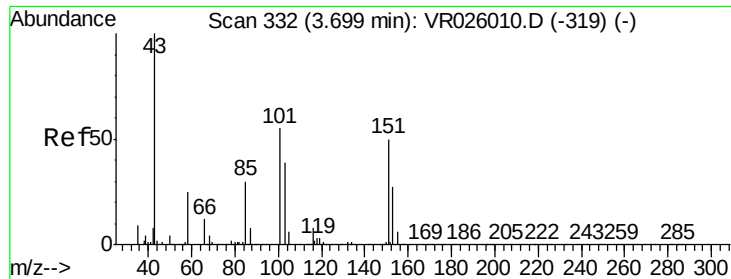
Ion Ratio Lower Upper

96 100

61 177.5 145.0 269.4

63 186.8 123.8 230.0





#13

Acetone

Concen: 52.408 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.01 min

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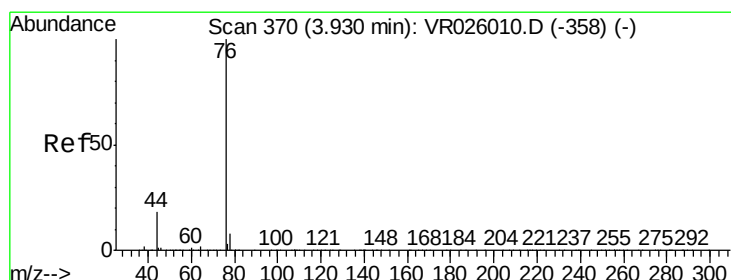
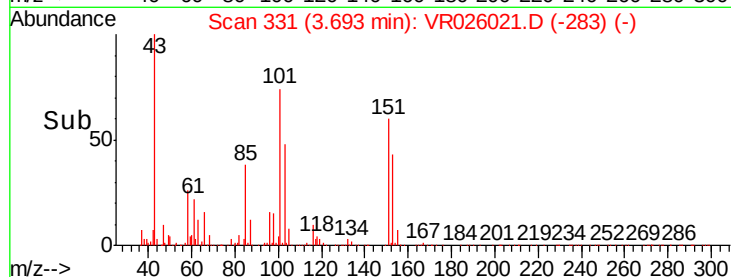
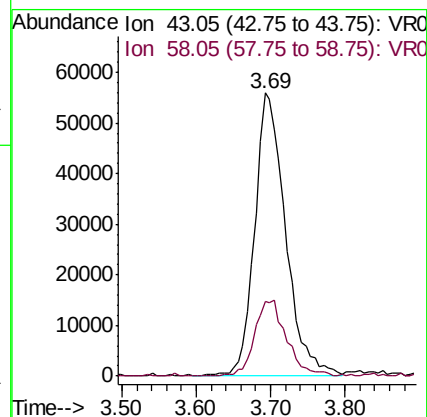
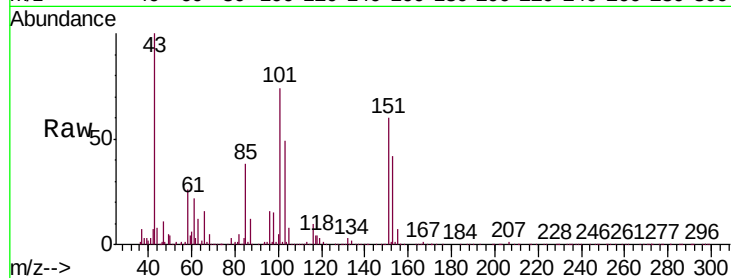
VSTD00594

Tgt Ion: 43 Resp: 162636

Ion Ratio Lower Upper

43 100

58 27.6 0.0 51.4



#14

Carbon disulfide

Concen: 4.679 ug/L

RT: 3.94 min Scan# 371

Delta R.T. 0.01 min

Lab File: VR026021.D

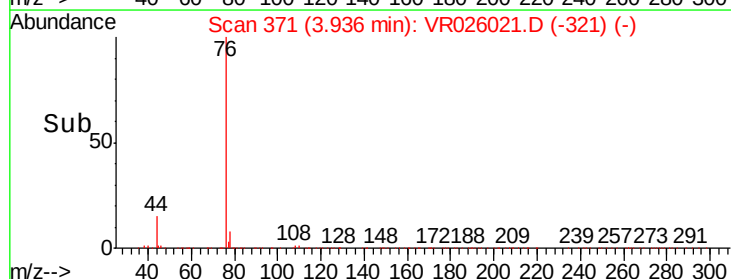
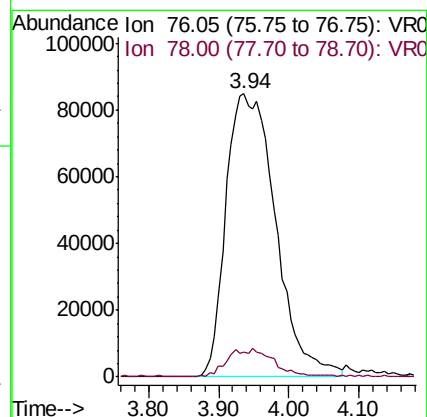
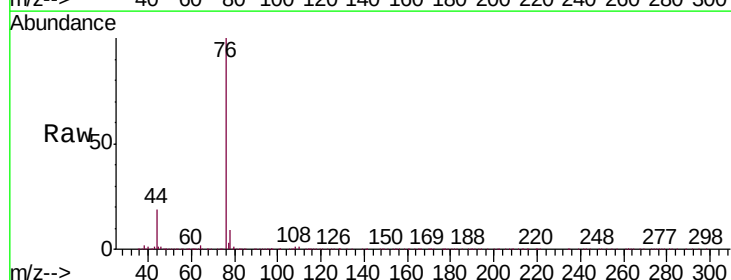
Acq: 10 Oct 2018 9:55

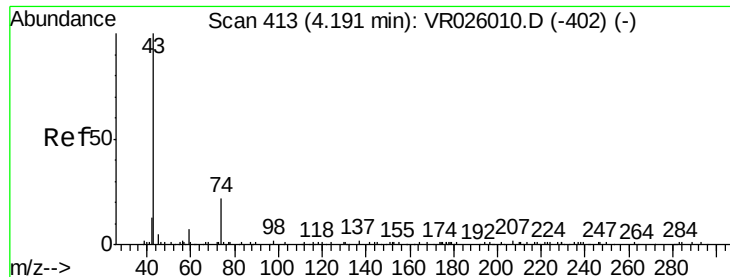
Tgt Ion: 76 Resp: 416400

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6

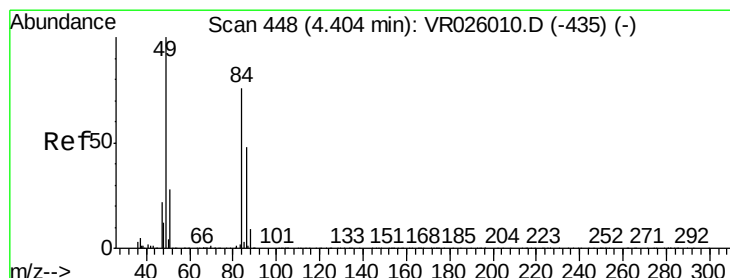
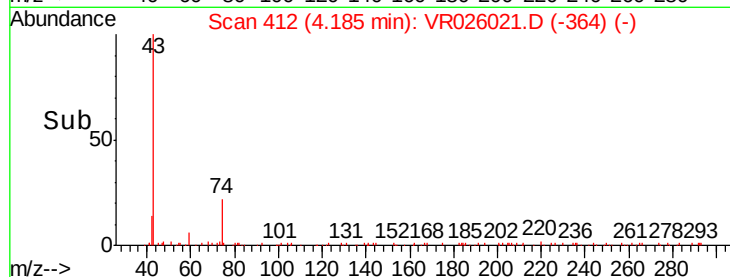
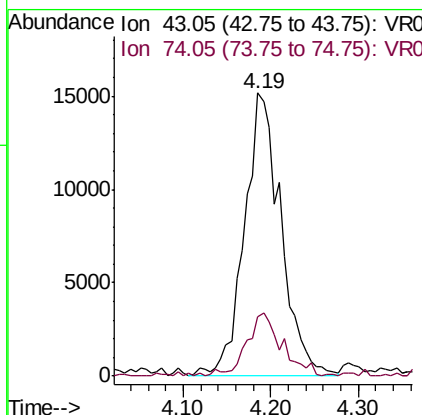
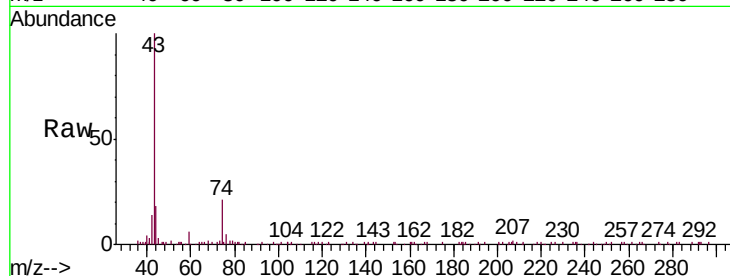




#15
Methyl Acetate
Concen: 5.108 ug/L
RT: 4.19 min Scan# 412
Delta R.T. -0.01 min
Lab File: VR026021.D
Acq: 10 Oct 2018 9:55

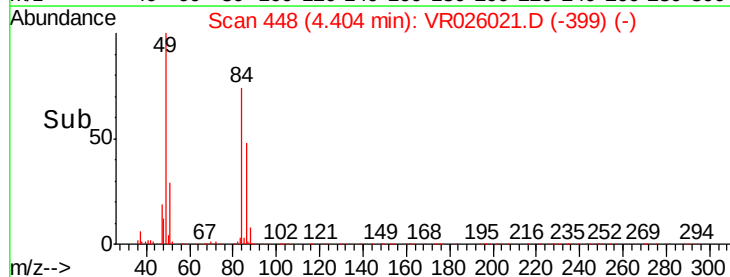
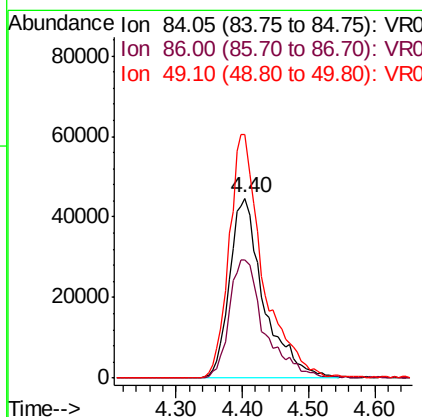
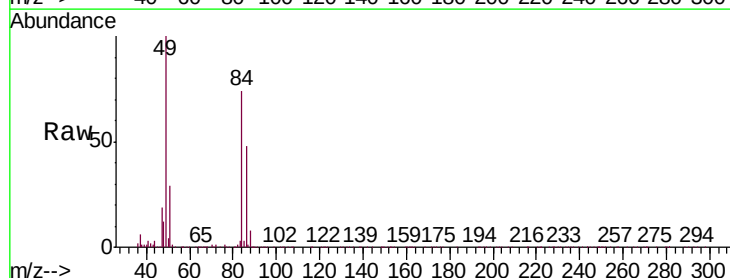
Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

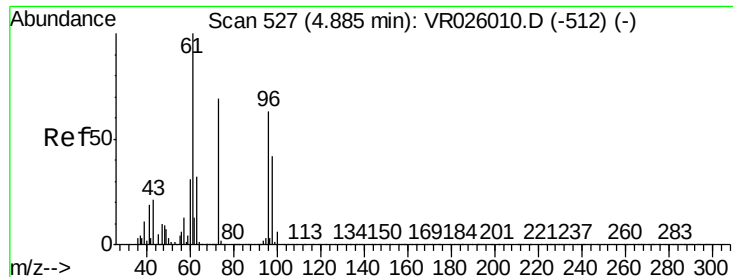
Tgt Ion: 43 Resp: 43950
Ion Ratio Lower Upper
43 100
74 21.6 19.0 28.4



#16
Methylene chloride
Concen: 4.720 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.00 min
Lab File: VR026021.D
Acq: 10 Oct 2018 9:55

Tgt Ion: 84 Resp: 159560
Ion Ratio Lower Upper
84 100
86 65.6 43.1 80.1
49 135.4 95.5 177.3

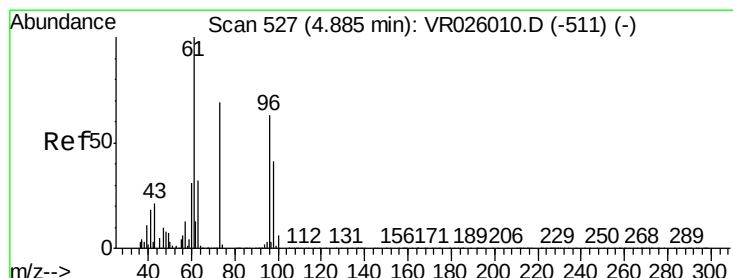
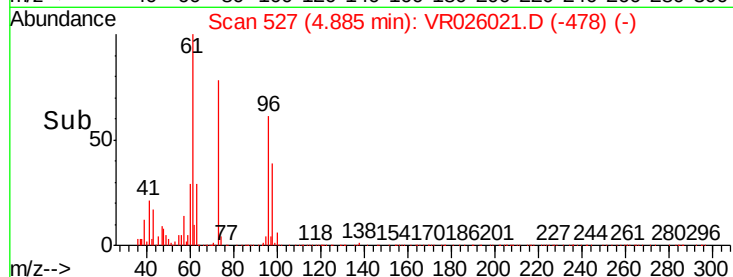
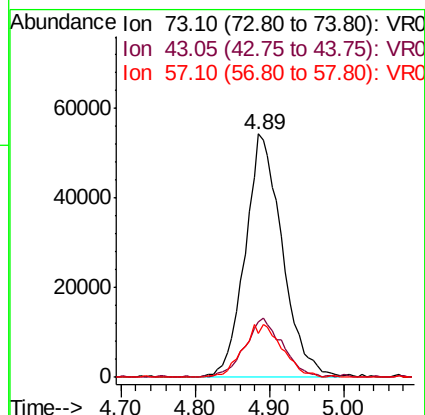
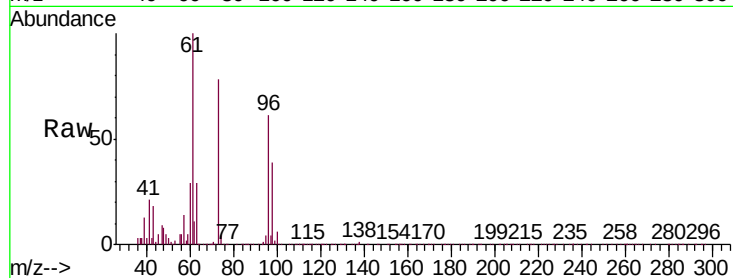




#17
Methyl tert-butyl Ether
Concen: 4.622 ug/L
RT: 4.89 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR026021.D
Acq: 10 Oct 2018 9:55

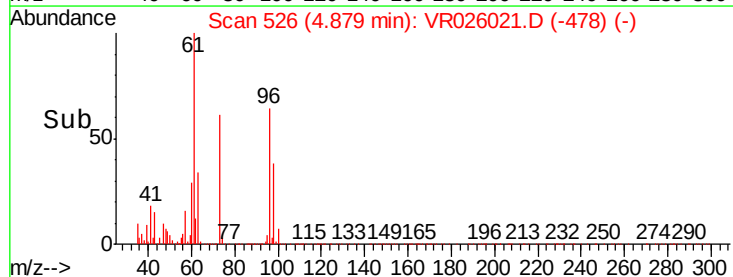
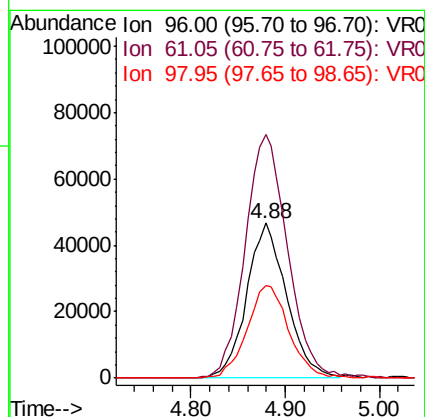
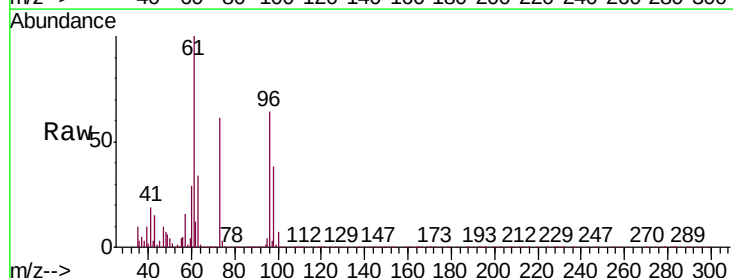
Instrument :
MSVOA_R
ClientSampled :
VSTD00594

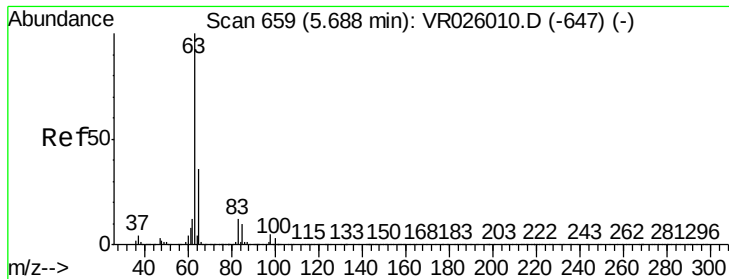
Tgt Ion: 73 Resp: 188183
Ion Ratio Lower Upper
73 100
43 24.6 19.8 29.8
57 23.2 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.549 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026021.D
Acq: 10 Oct 2018 9:55

Tgt Ion: 96 Resp: 138314
Ion Ratio Lower Upper
96 100
61 157.0 127.4 236.6
98 60.1 43.8 81.3

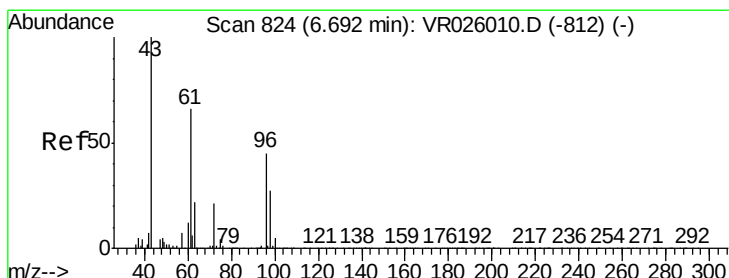
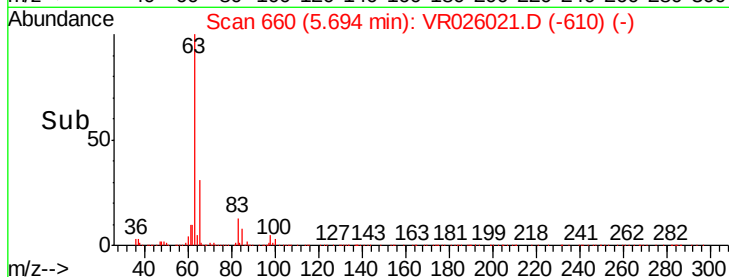
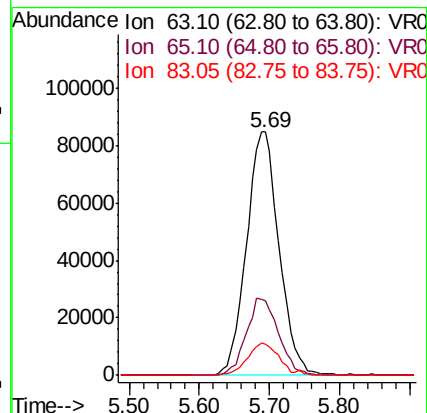
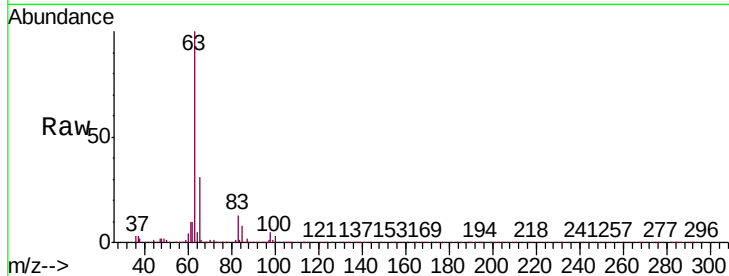




#19
 1,1-Dichloroethane
 Concen: 4.540 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VR026021.D
 Acq: 10 Oct 2018 9:55

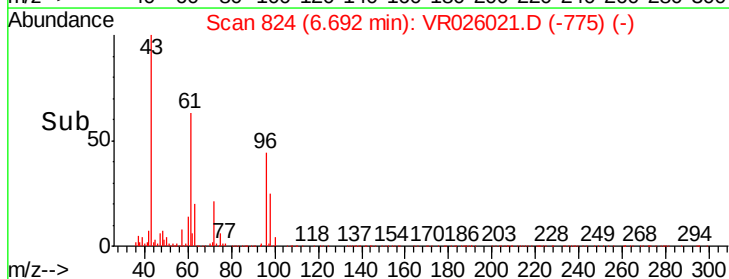
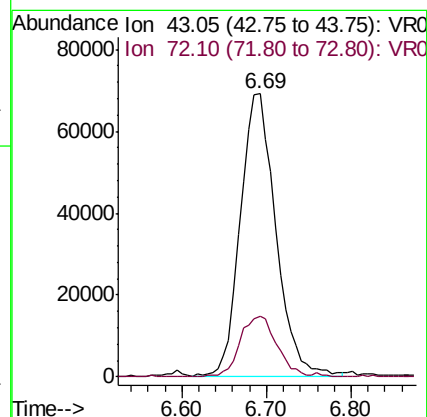
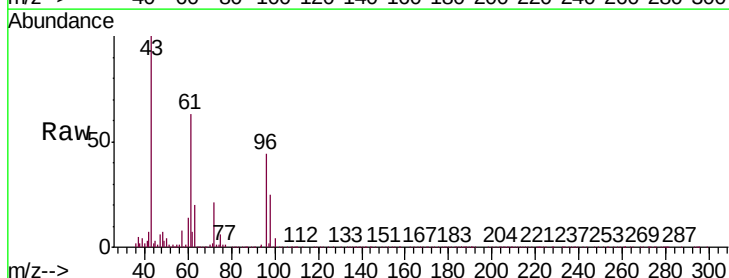
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00594

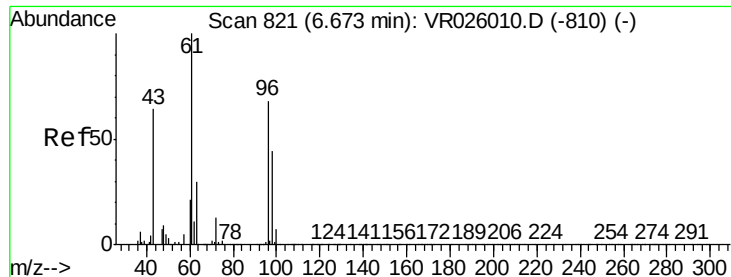
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.9	21.1	39.1
83	12.6	8.9	16.5



#21
 2-Butanone
 Concen: 45.807 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: VR026021.D
 Acq: 10 Oct 2018 9:55

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.0	11.9	35.7



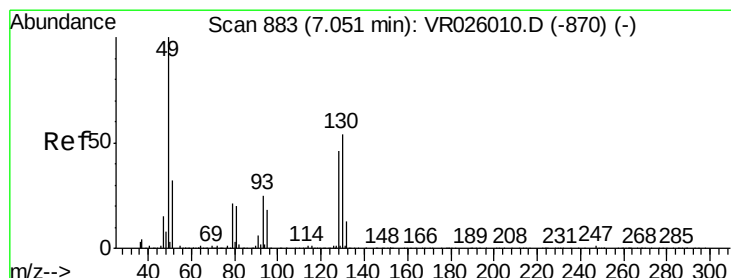
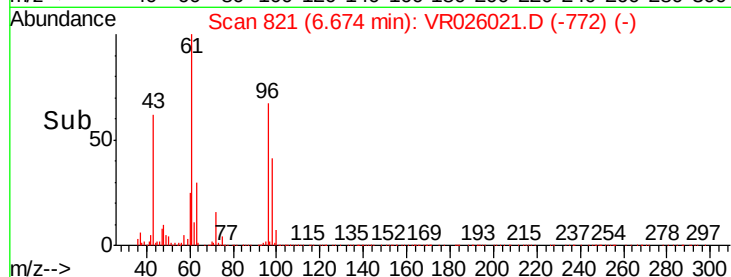
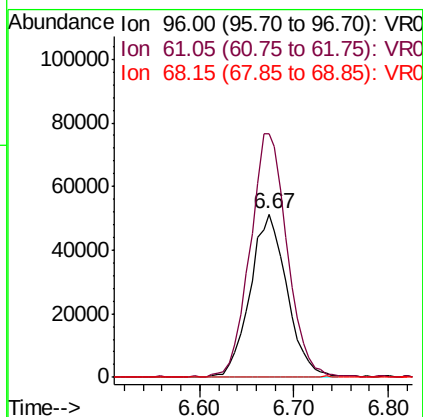
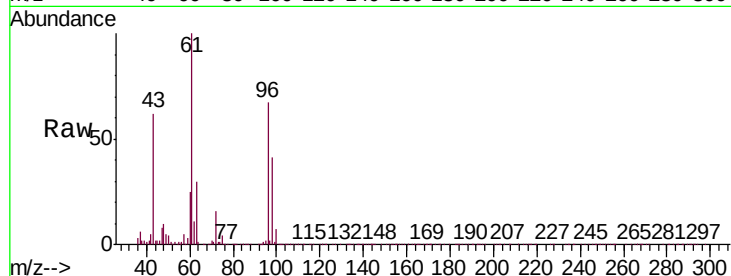


#22

cis-1,2-Dichloroethene
Concen: 4.597 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR026021.D
Acq: 10 Oct 2018 9:55

Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

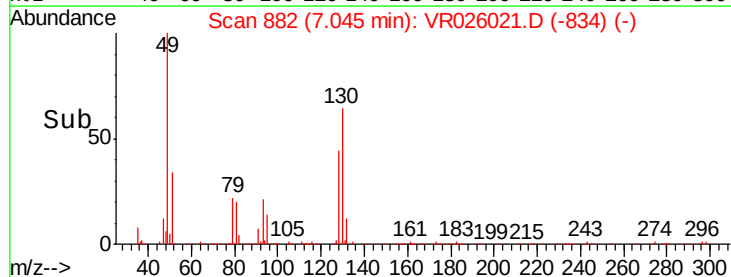
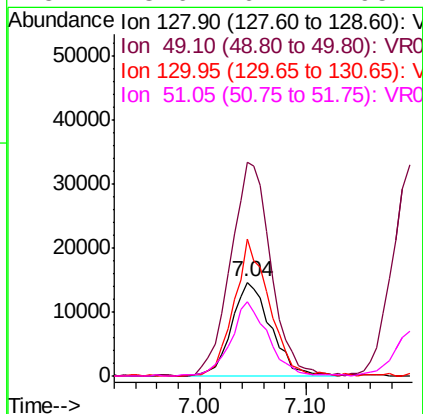
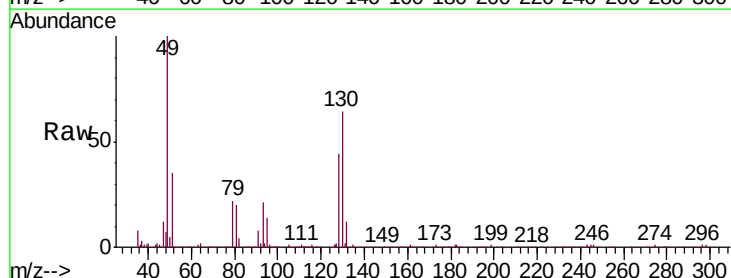
Tgt Ion: 96 Resp: 140637
Ion Ratio Lower Upper
96 100
61 148.9 108.7 201.9
68 0.3 0.1 0.1#

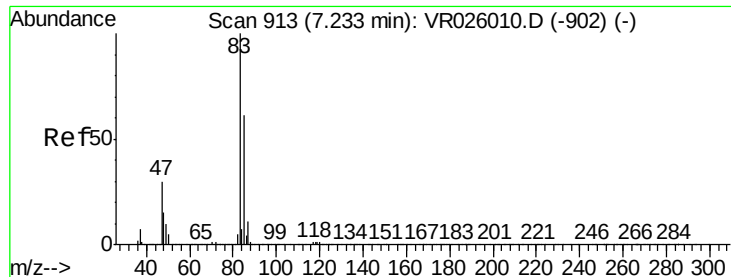


#23

Bromochloromethane
Concen: 4.544 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.01 min
Lab File: VR026021.D
Acq: 10 Oct 2018 9:55

Tgt Ion: 128 Resp: 37711
Ion Ratio Lower Upper
128 100
49 227.6 175.0 325.0
130 146.0 85.6 159.0
51 78.6 62.2 93.2

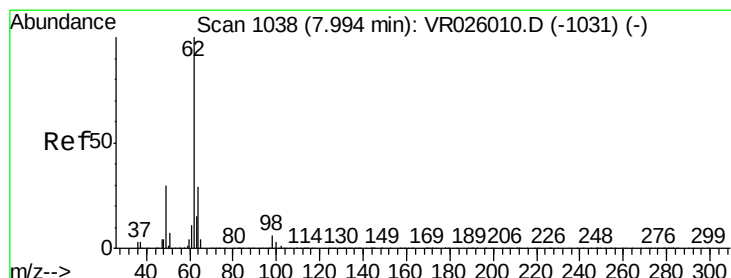
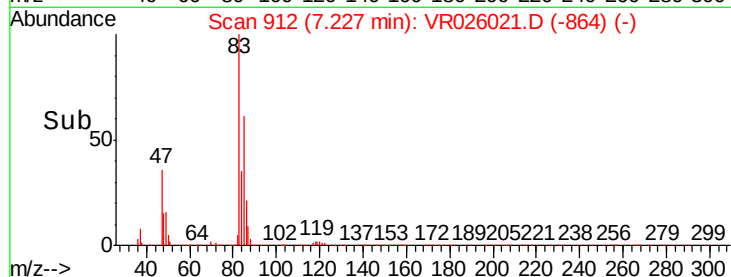
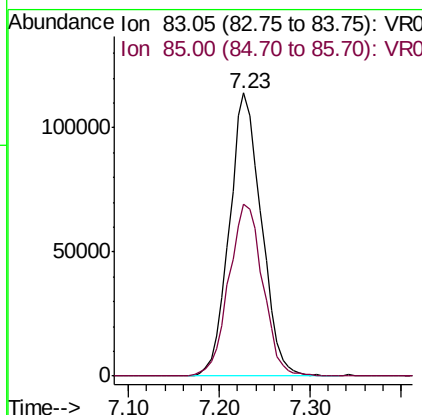
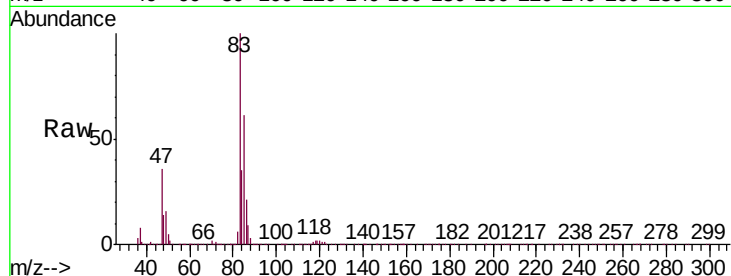




#25
Chloroform
Concen: 4.758 ug/L
RT: 7.23 min Scan# 912
Delta R.T. -0.01 min
Lab File: VR026021.D
Acq: 10 Oct 2018 9:55

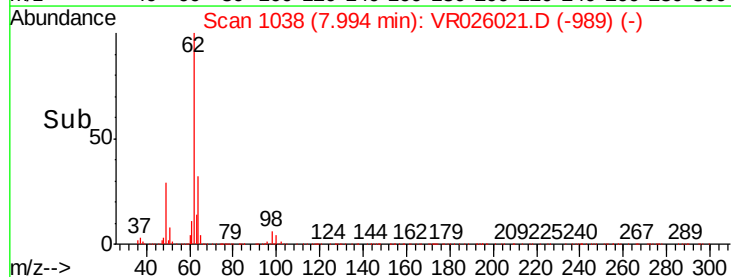
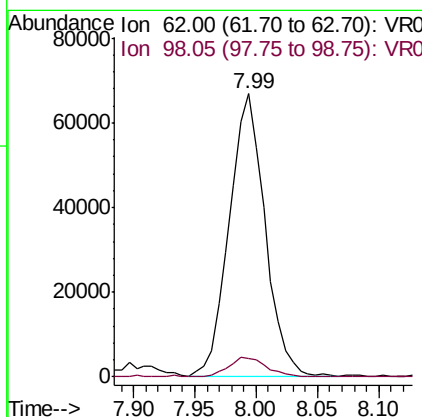
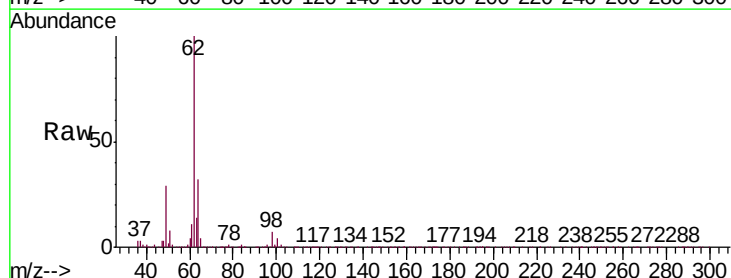
Instrument :
MSVOA_R
ClientSampled :
VSTD00594

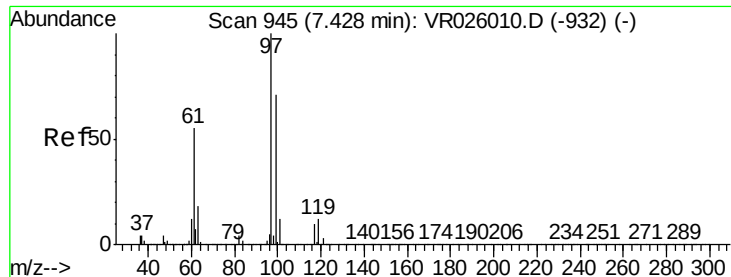
Tgt Ion: 83 Resp: 278946
Ion Ratio Lower Upper
83 100
85 60.6 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.619 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR026021.D
Acq: 10 Oct 2018 9:55

Tgt Ion: 62 Resp: 135126
Ion Ratio Lower Upper
62 100
98 6.6 5.2 7.8

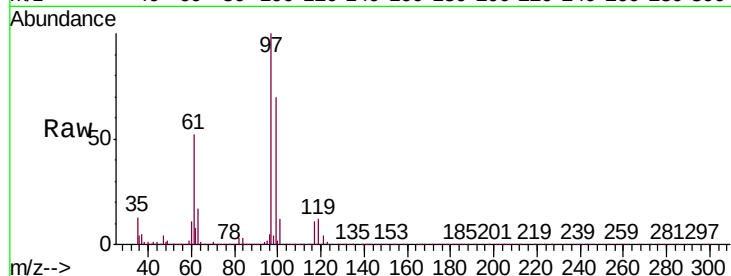




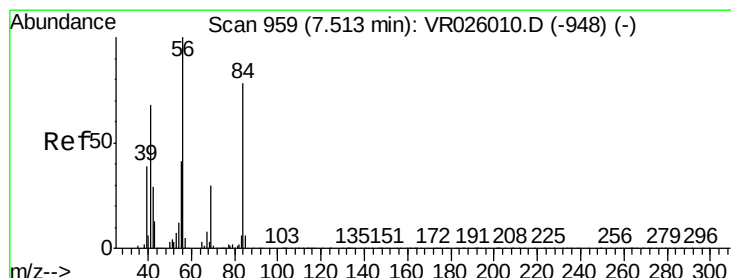
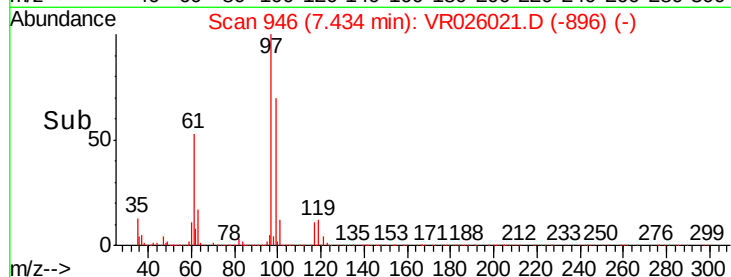
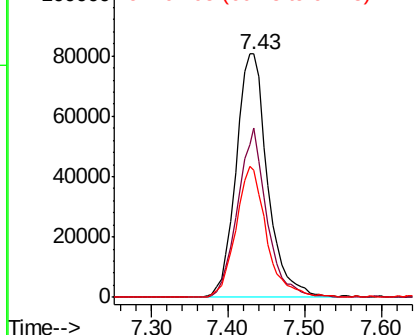
#29
1,1,1-Trichloroethane
Concen: 4.862 ug/L
RT: 7.43 min Scan# 946
Delta R.T. 0.01 min
Lab File: VR026021.D
Acq: 10 Oct 2018 9:55

Instrument :
MSVOA_R
ClientSampled :
VSTD00594

Tgt Ion: 97 Resp: 228345
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.6
61 52.5 41.6 62.4

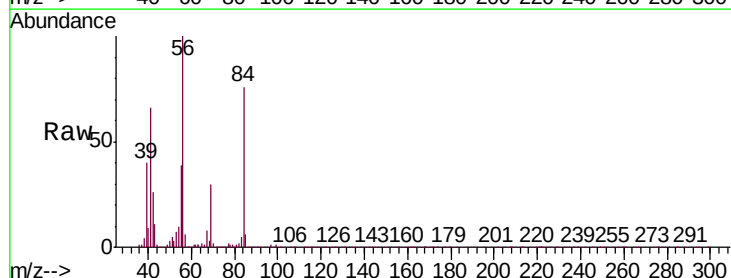


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0

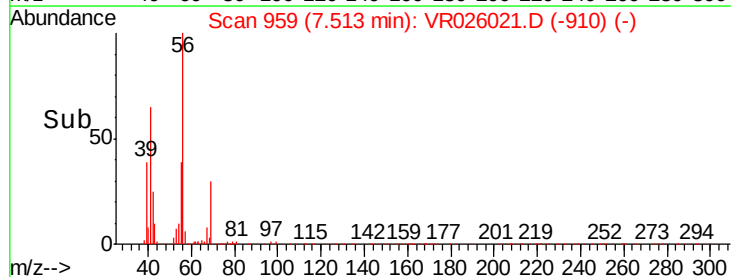
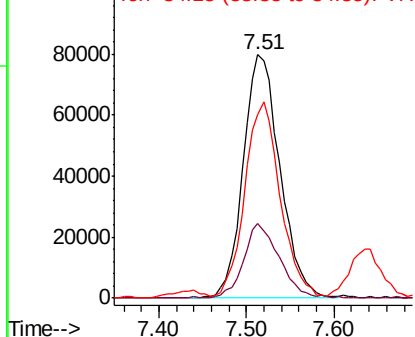


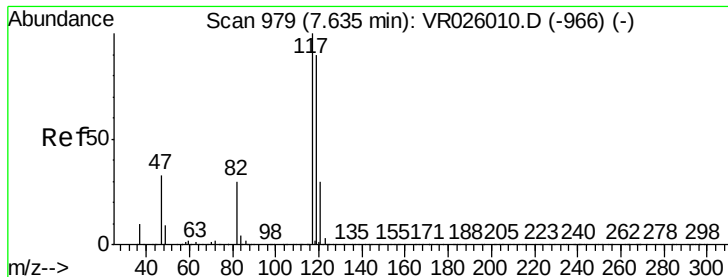
#30
Cyclohexane
Concen: 3.975 ug/L
RT: 7.51 min Scan# 959
Delta R.T. 0.00 min
Lab File: VR026021.D
Acq: 10 Oct 2018 9:55

Tgt Ion: 56 Resp: 233275
Ion Ratio Lower Upper
56 100
69 29.5 24.8 37.2
84 78.1 59.8 89.8



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: 5.161 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_R

ClientSampleId :

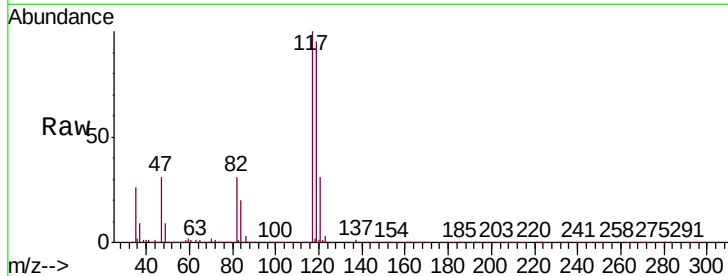
VSTD00594

Tgt Ion:117 Resp: 209936

Ion Ratio Lower Upper

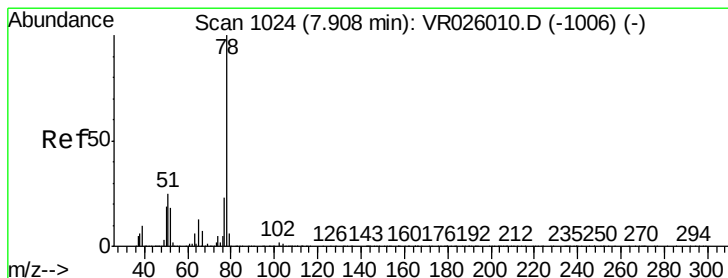
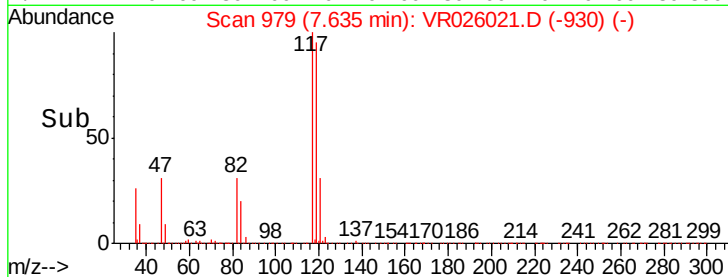
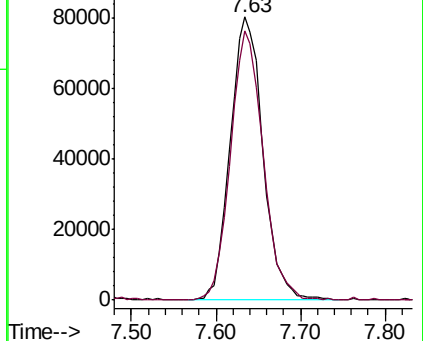
117 100

119 94.6 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.479 ug/L

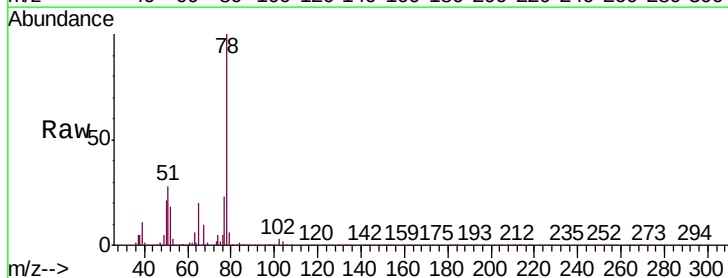
RT: 7.90 min Scan# 1023

Delta R.T. -0.01 min

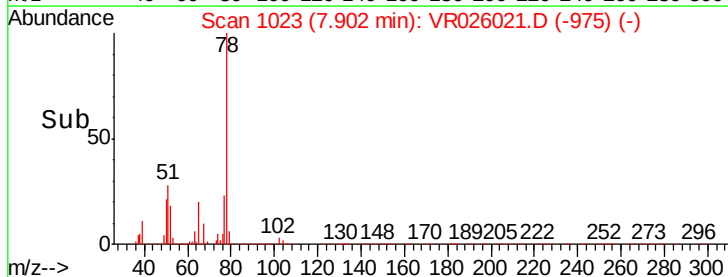
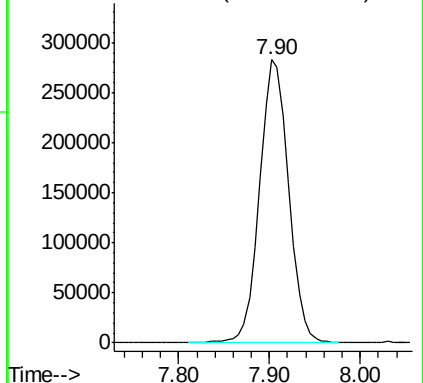
Lab File: VR026021.D

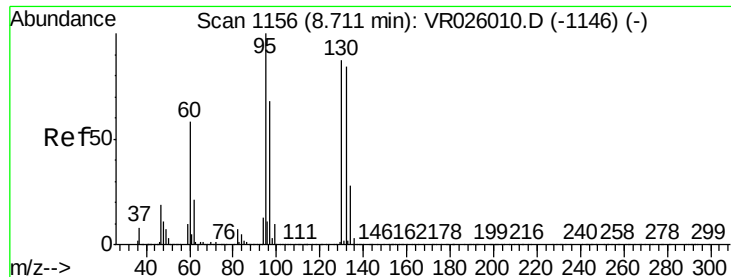
Acq: 10 Oct 2018 9:55

Tgt Ion: 78 Resp: 627497



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 4.376 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_R

ClientSampleId :

VSTD00594

Tgt Ion: 95 Resp: 161533

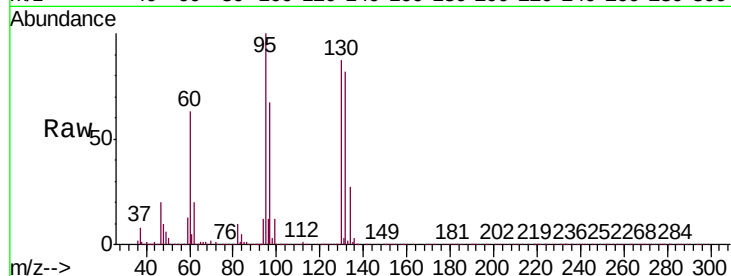
Ion Ratio Lower Upper

95 100

97 66.7 43.9 81.5

132 82.2 53.3 98.9

130 87.0 53.8 99.8

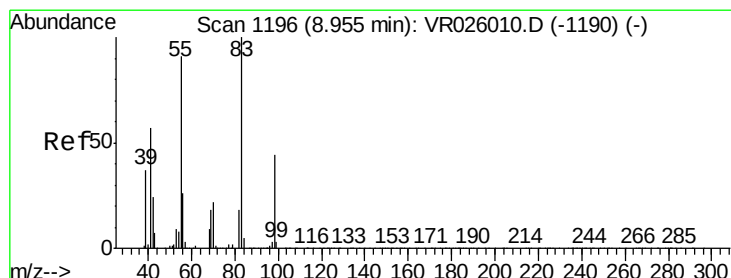
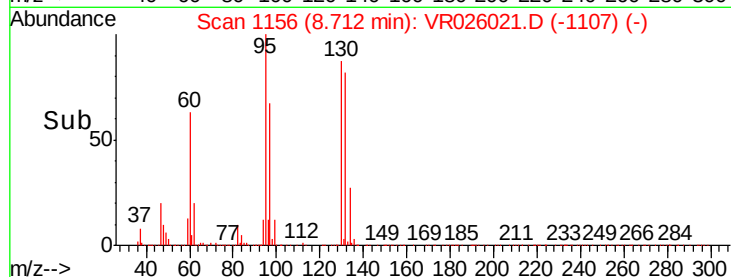
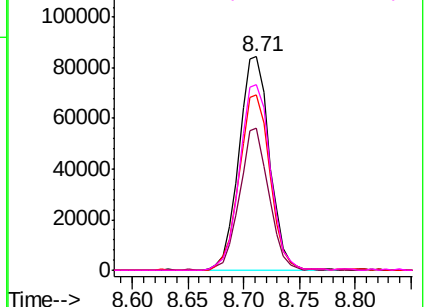


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 4.453 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

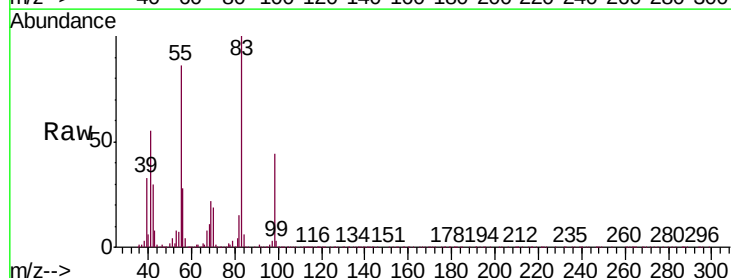
Tgt Ion: 83 Resp: 247136

Ion Ratio Lower Upper

83 100

55 84.4 71.8 107.6

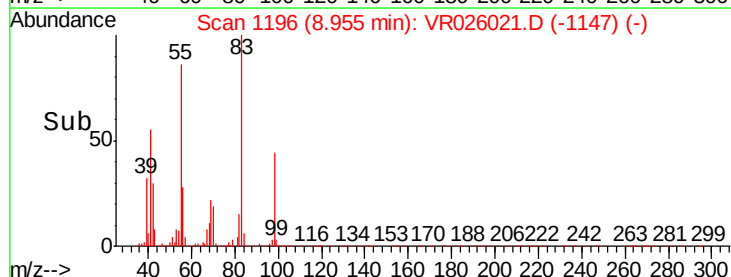
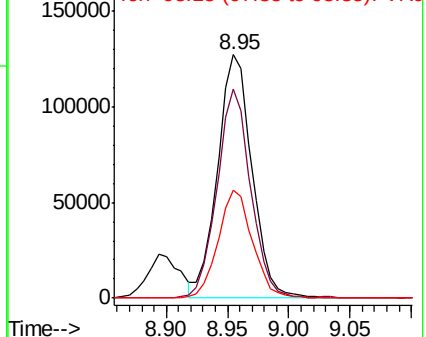
98 44.0 34.2 51.4

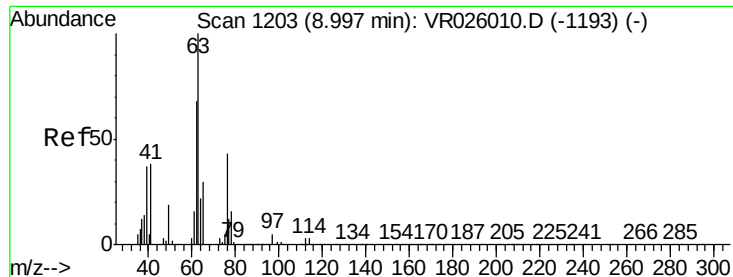


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

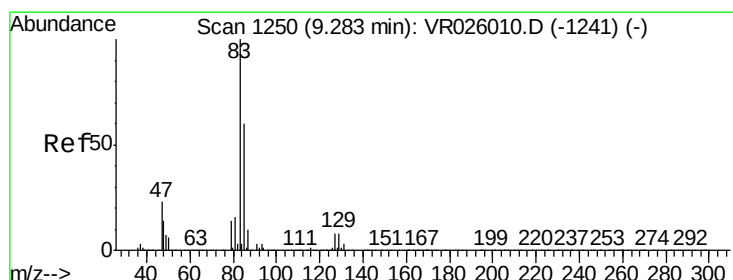
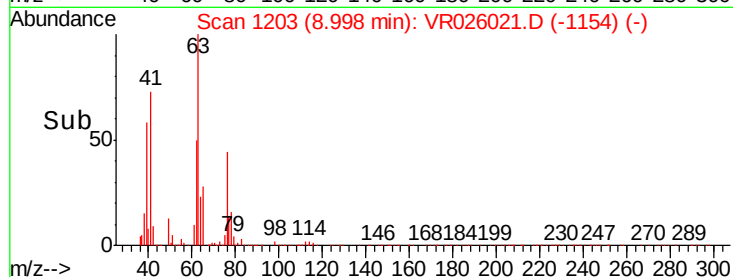
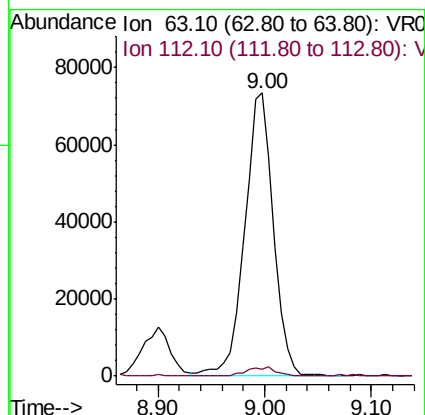
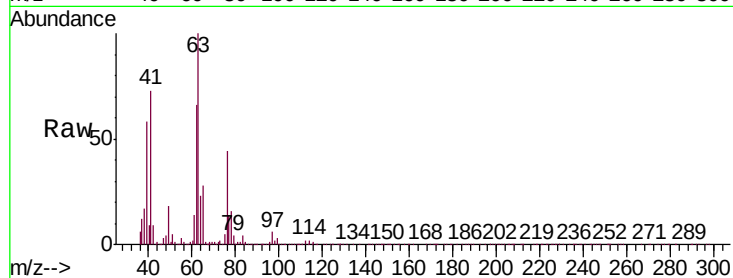




#37
 1,2-Dichloropropane
 Concen: 4.575 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VR026021.D
 Acq: 10 Oct 2018 9:55

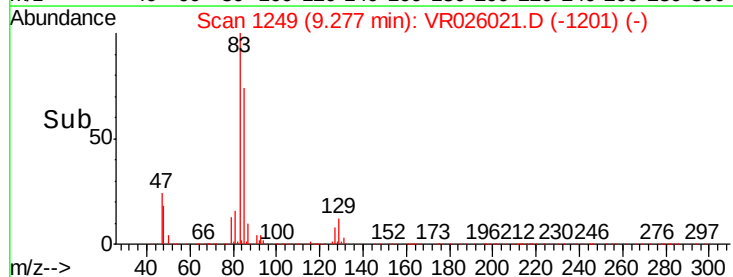
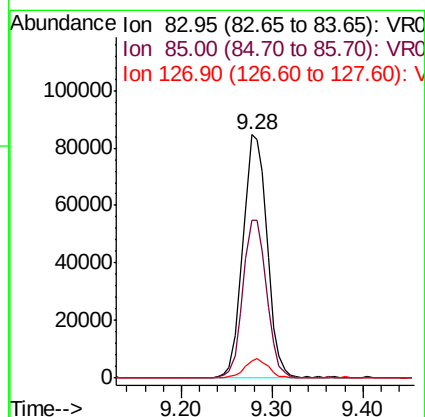
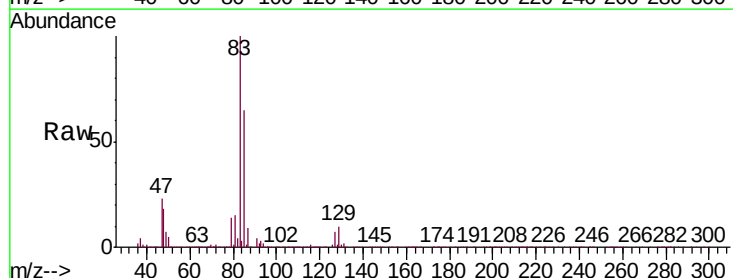
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00594

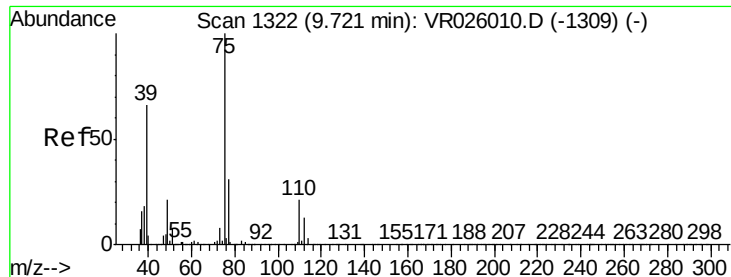
Tgt Ion: 63 Resp: 137483
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.5 3.7



#38
 Bromodichloromethane
 Concen: 4.833 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VR026021.D
 Acq: 10 Oct 2018 9:55

Tgt Ion: 83 Resp: 156725
 Ion Ratio Lower Upper
 83 100
 85 64.8 42.8 79.4
 127 7.2 5.6 8.4





#39

cis-1,3-Dichloropropene

Concen: 5.076 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_R

ClientSampleId :

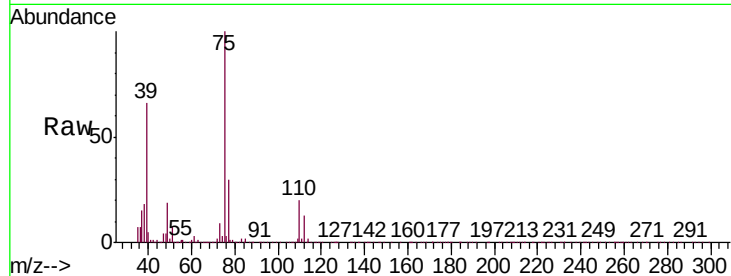
VSTD00594

Tgt Ion: 75 Resp: 171030

Ion Ratio Lower Upper

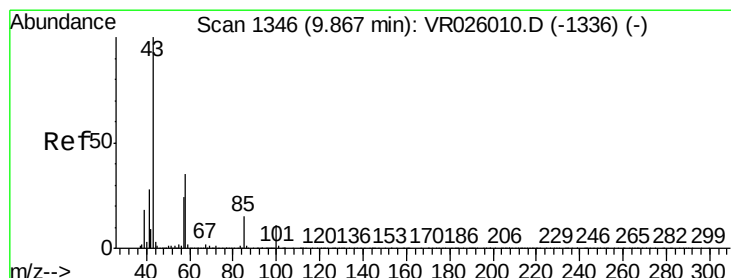
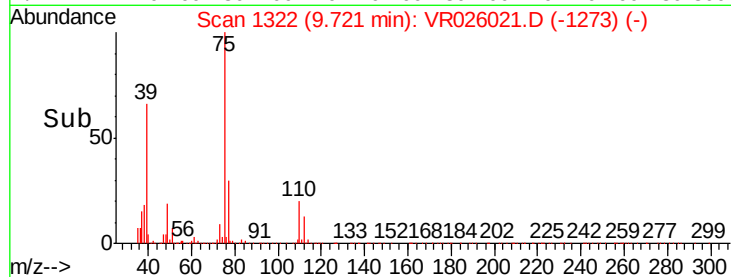
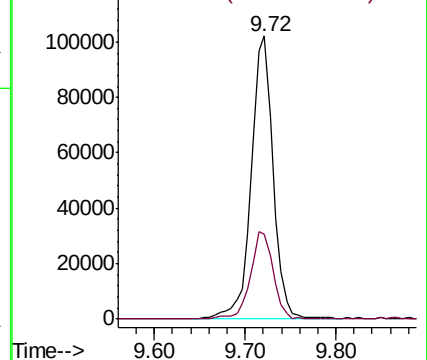
75 100

77 29.9 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#40

4-Methyl-2-pentanone

Concen: 47.242 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

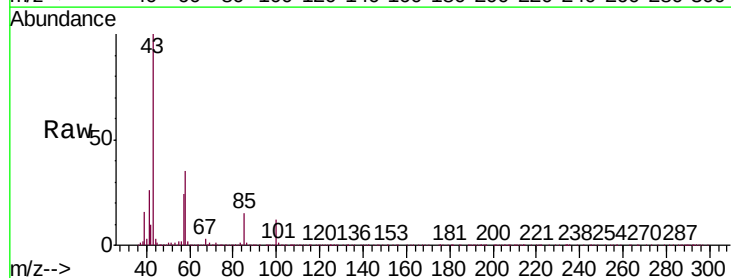
Tgt Ion: 43 Resp: 499233

Ion Ratio Lower Upper

43 100

58 34.1 28.6 43.0

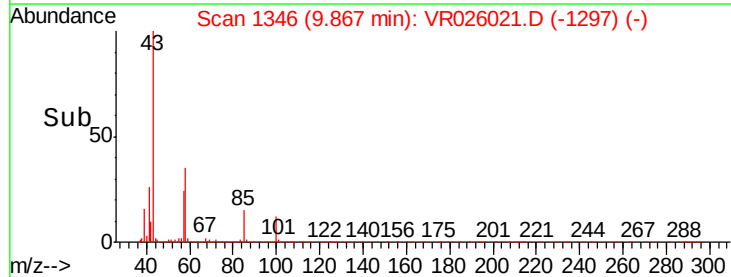
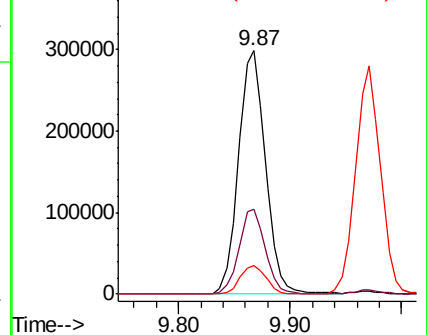
100 11.5 9.0 13.4

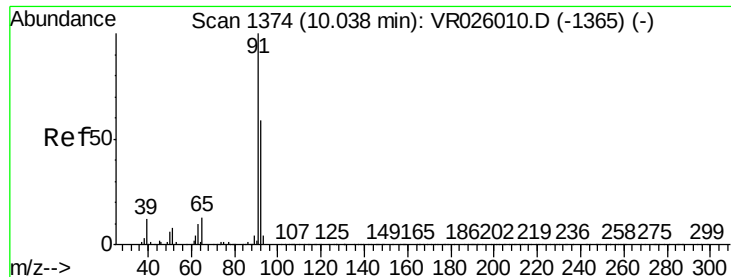


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 4.760 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.01 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_R

ClientSampleId :

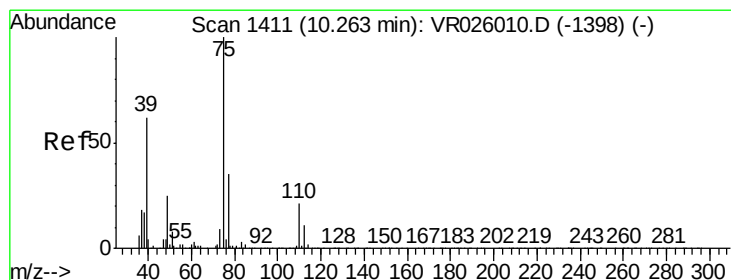
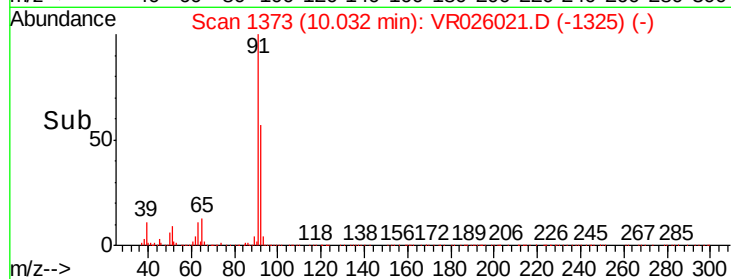
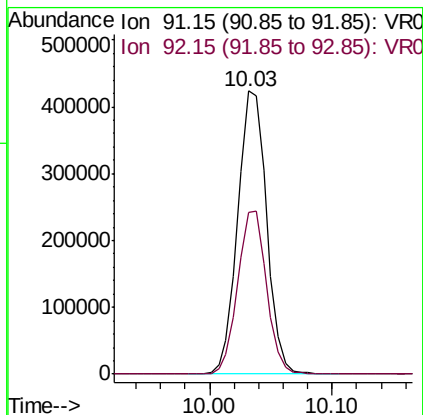
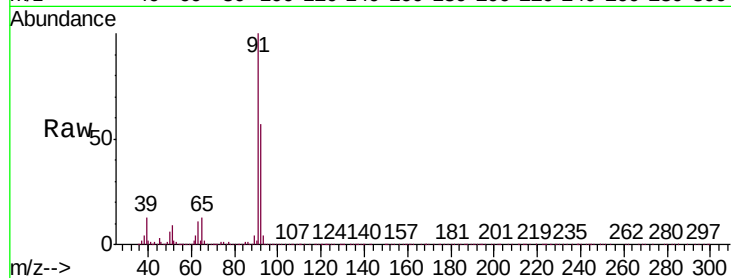
VSTD00594

Tgt Ion: 91 Resp: 692840

Ion Ratio Lower Upper

91 100

92 56.9 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 5.455 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026021.D

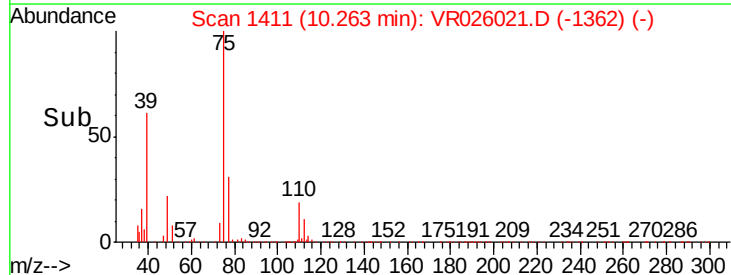
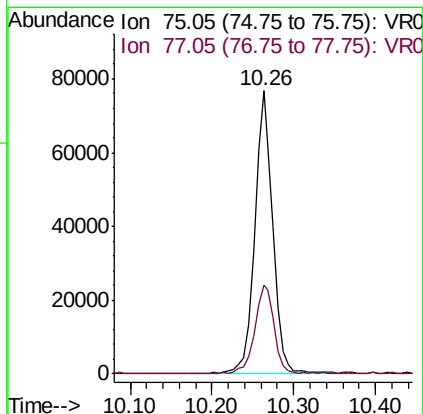
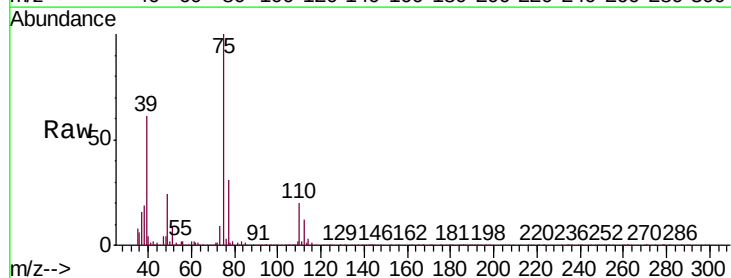
Acq: 10 Oct 2018 9:55

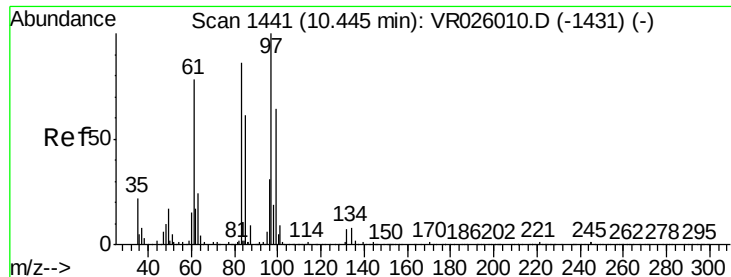
Tgt Ion: 75 Resp: 120013

Ion Ratio Lower Upper

75 100

77 31.2 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 4.528 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_R

ClientSampleId :

VSTD00594

Tgt Ion: 97 Resp: 61549

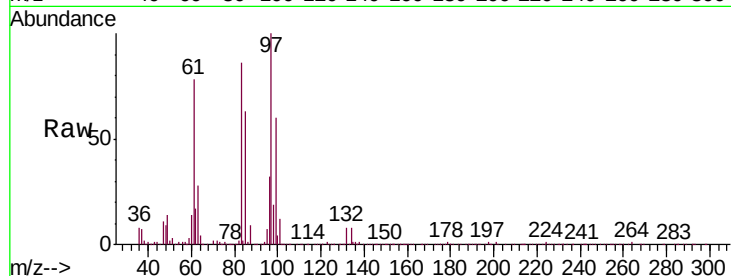
Ion Ratio Lower Upper

97 100

99 59.8 39.6 73.6

83 86.0 62.2 115.6

85 63.3 39.1 72.7

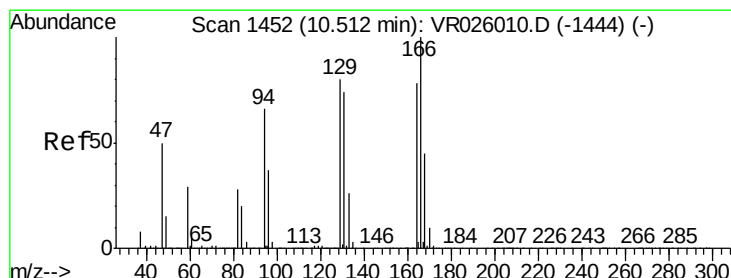
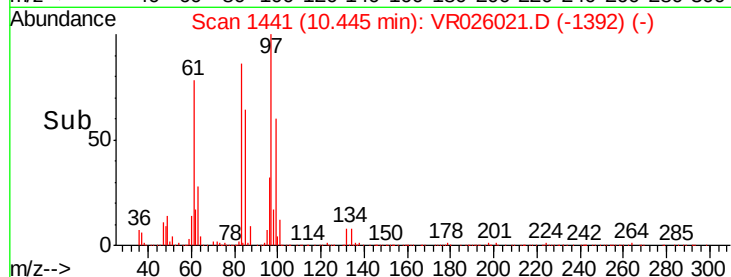
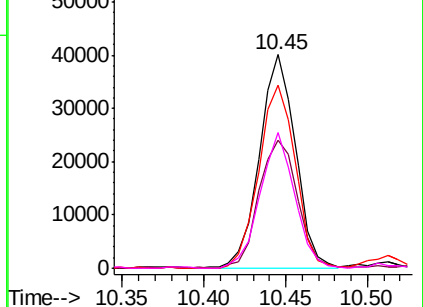


Abundance Ion 96.95 (96.65 to 97.65): VR0

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: 4.704 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

Tgt Ion: 164 Resp: 106994

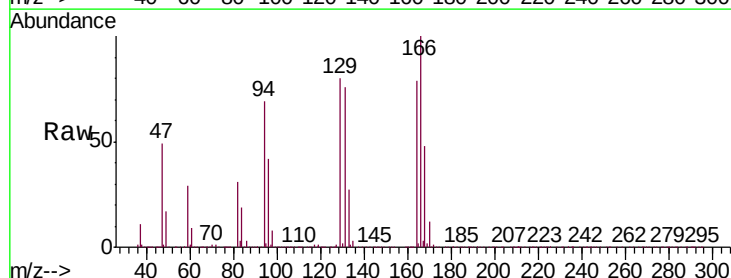
Ion Ratio Lower Upper

164 100

129 100.7 80.8 150.2

131 95.9 74.5 138.3

166 126.2 92.5 171.7

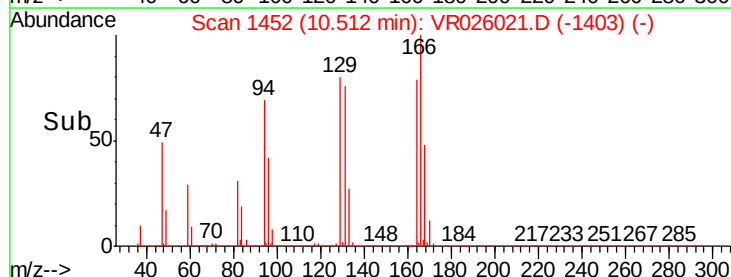
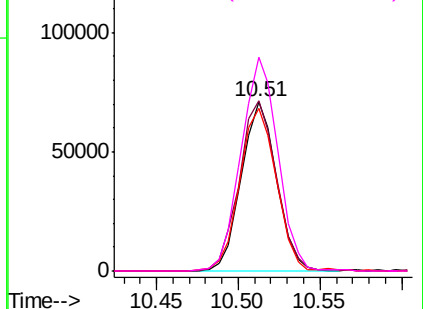


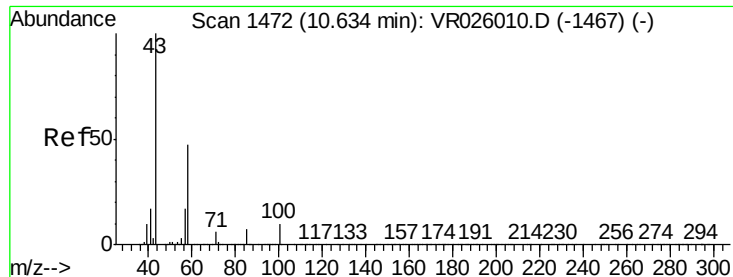
Abundance Ion 163.90 (163.60 to 164.60): V

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

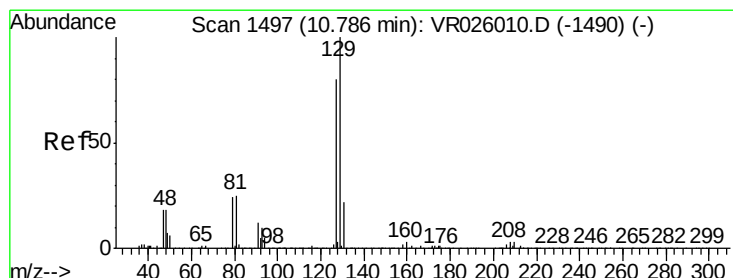
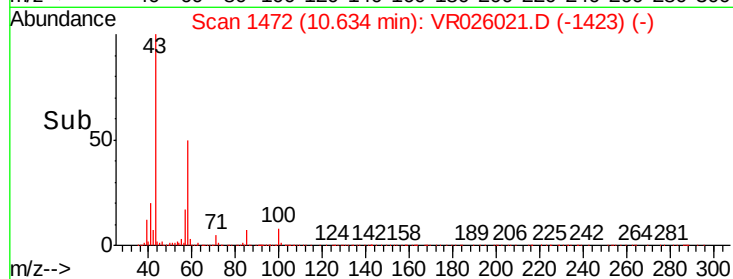
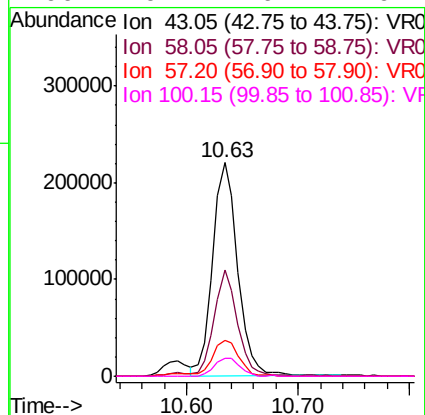
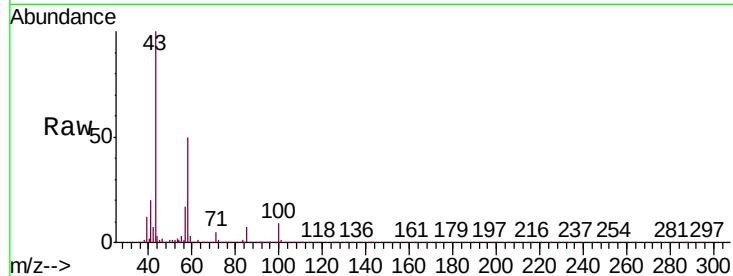




#48
2-Hexanone
Concen: 49.430 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026021.D
Acq: 10 Oct 2018 9:55

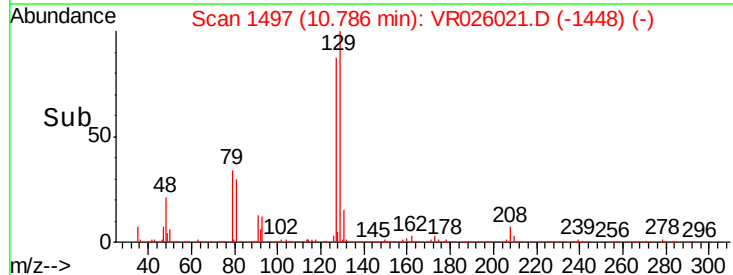
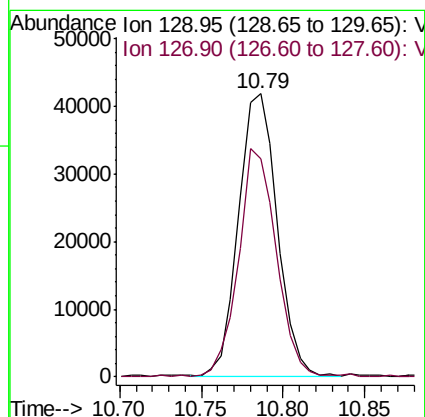
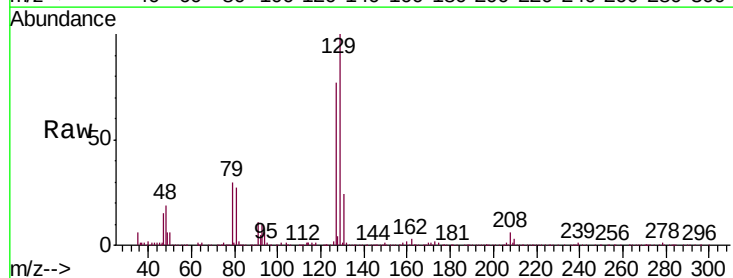
Instrument :
MSVOA_R
ClientSampled :
VSTD00594

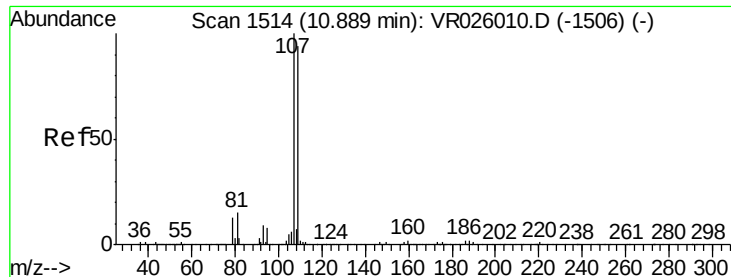
Tgt Ion:	43	Resp:	342005
Ion	Ratio	Lower	Upper
43	100		
58	46.0	39.5	59.3
57	17.1	14.6	21.8
100	9.1	6.7	10.1



#49
Dibromochloromethane
Concen: 5.033 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026021.D
Acq: 10 Oct 2018 9:55

Tgt Ion:	129	Resp:	69437
Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.1	100.5

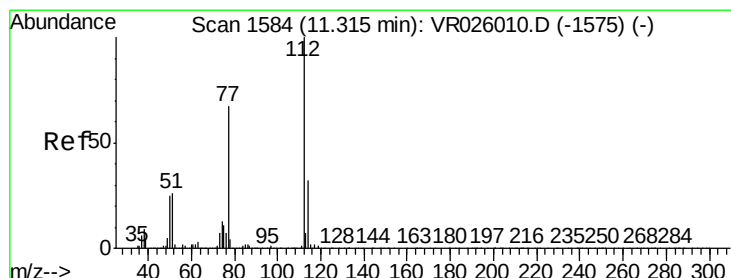
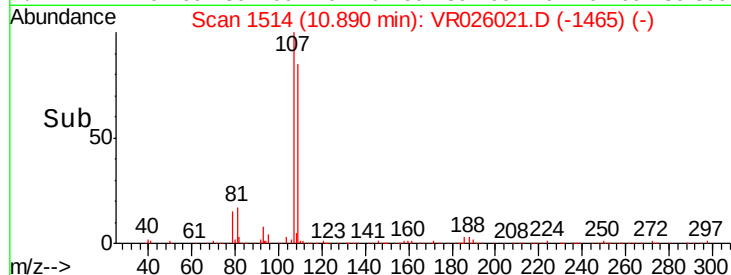
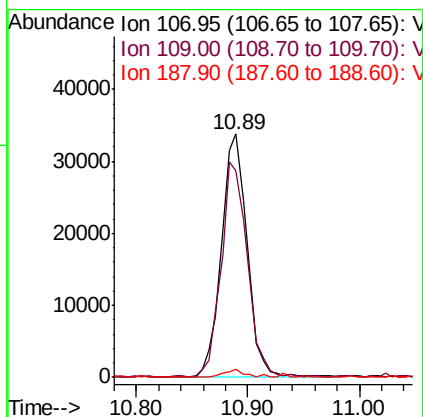
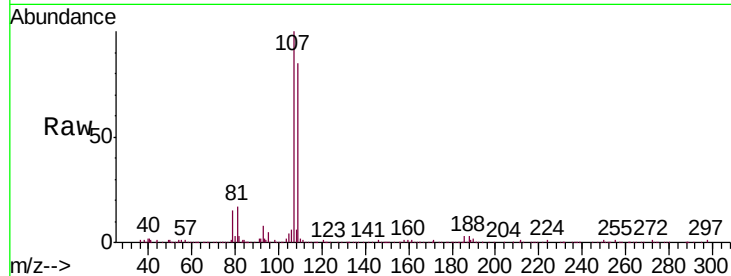




#50
1,2-Dibromoethane
Concen: 5.066 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026021.D
Acq: 10 Oct 2018 9:55

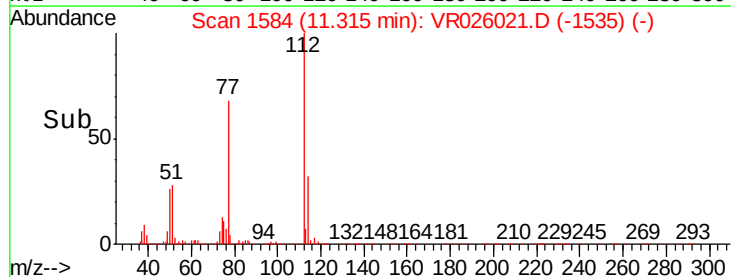
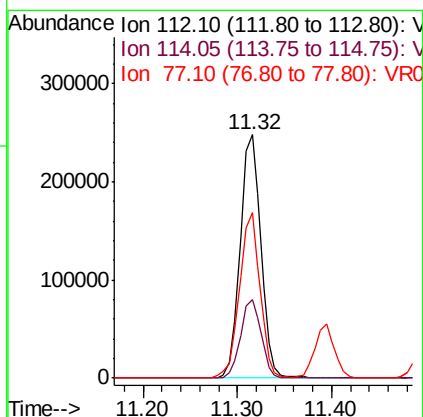
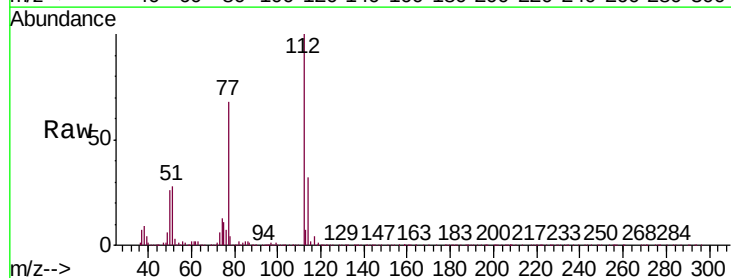
Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

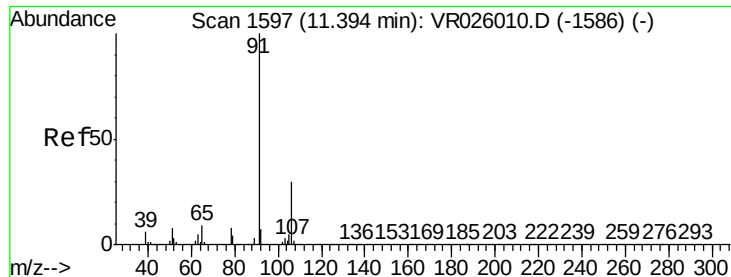
Tgt Ion:107 Resp: 54338
Ion Ratio Lower Upper
107 100
109 84.6 63.5 117.9
188 3.3 1.7 2.5#



#51
Chlorobenzene
Concen: 4.910 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026021.D
Acq: 10 Oct 2018 9:55

Tgt Ion:112 Resp: 379123
Ion Ratio Lower Upper
112 100
114 32.5 22.7 42.3
77 67.9 58.5 87.7





#52

Ethylbenzene

Concen: 4.951 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_R

ClientSampleId :

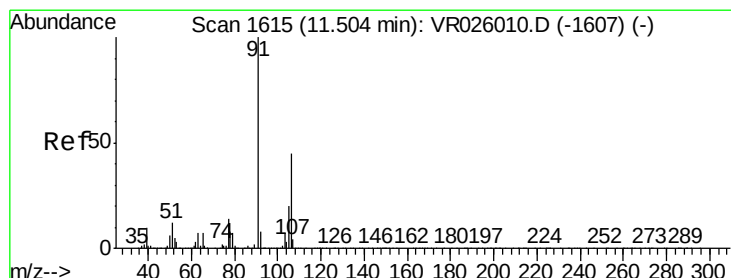
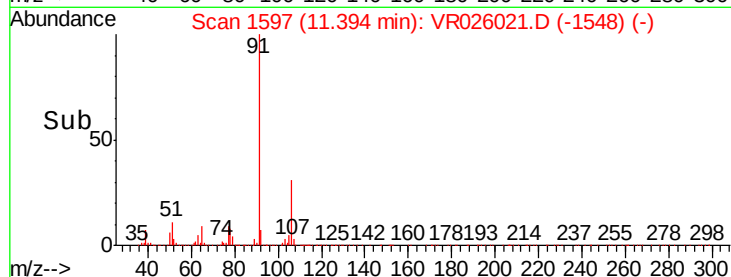
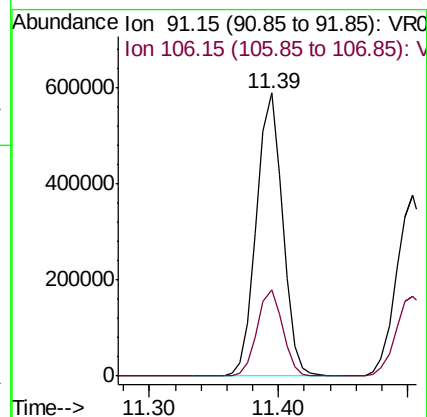
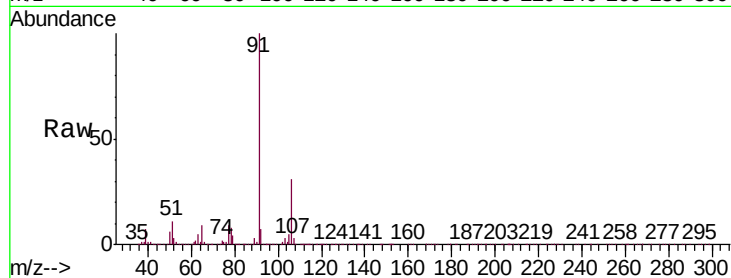
VSTD00594

Tgt Ion: 91 Resp: 822627

Ion Ratio Lower Upper

91 100

106 30.5 20.6 38.4



#53

m,p-Xylene

Concen: 4.965 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026021.D

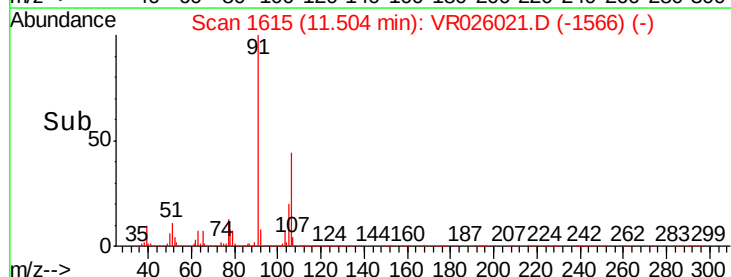
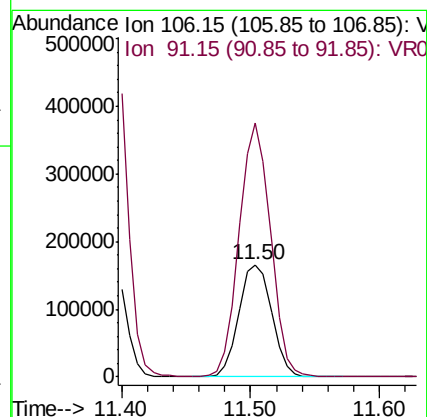
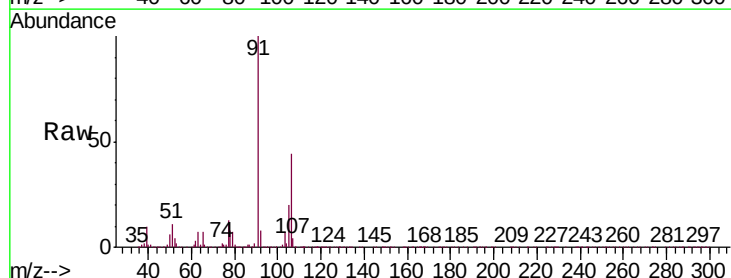
Acq: 10 Oct 2018 9:55

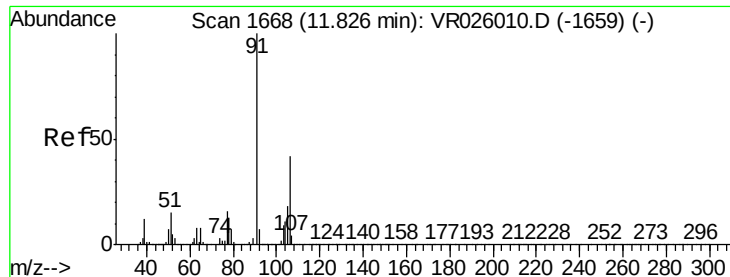
Tgt Ion: 106 Resp: 293660

Ion Ratio Lower Upper

106 100

91 225.7 159.7 296.5

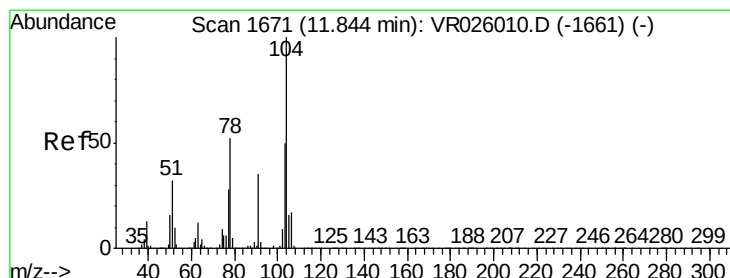
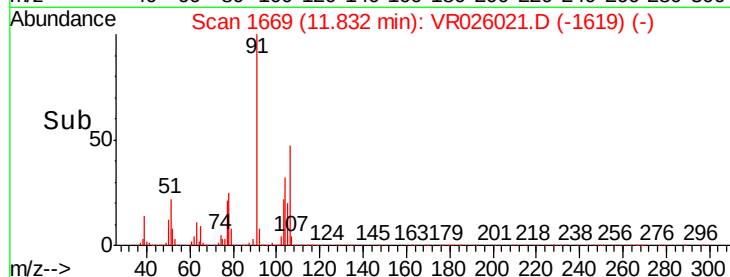
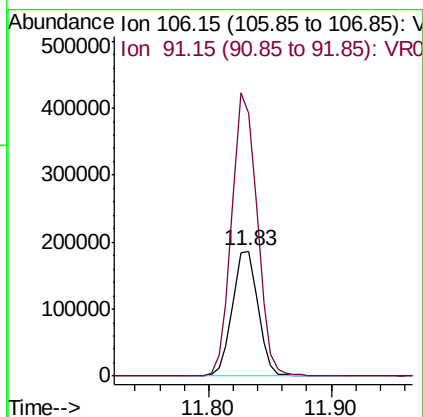
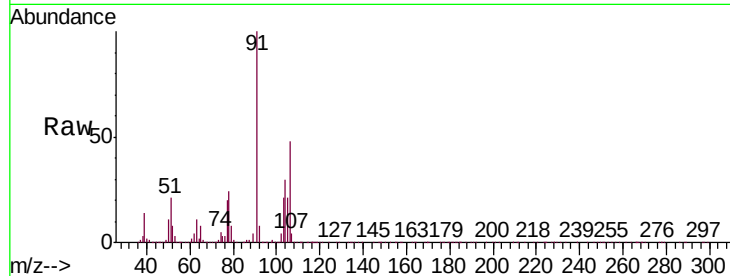




#54
o-Xylene
Concen: 4.894 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR026021.D
Acq: 10 Oct 2018 9:55

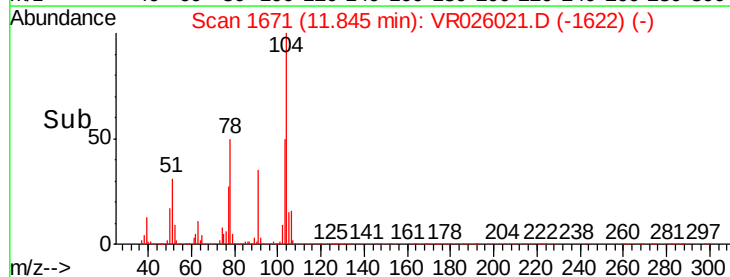
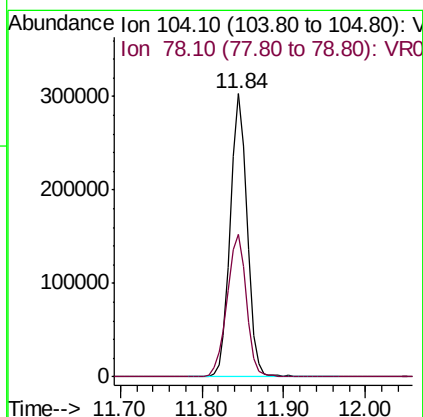
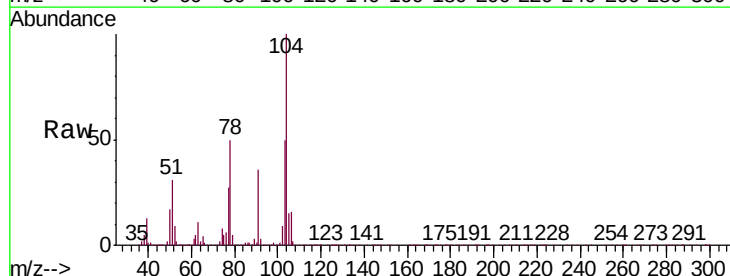
Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

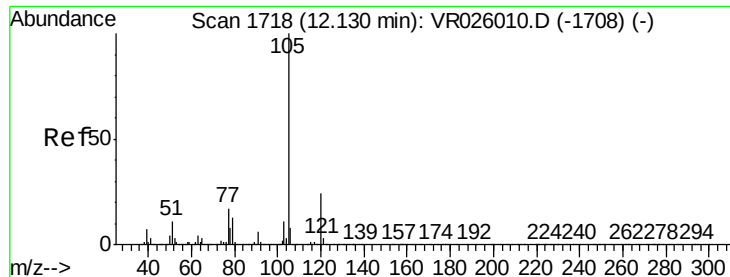
Tgt Ion:106 Resp: 269461
Ion Ratio Lower Upper
106 100
91 210.4 164.5 305.5



#55
Styrene
Concen: 5.011 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026021.D
Acq: 10 Oct 2018 9:55

Tgt Ion:104 Resp: 429404
Ion Ratio Lower Upper
104 100
78 50.4 39.3 72.9





#56

Isopropylbenzene

Concen: 5.106 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_R

ClientSampleId :

VSTD00594

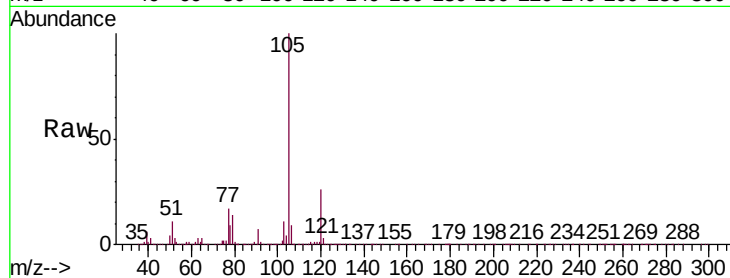
Tgt Ion: 105 Resp: 775378

Ion Ratio Lower Upper

105 100

120 25.6 19.8 29.8

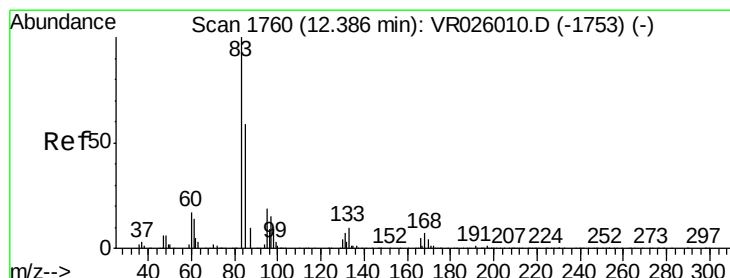
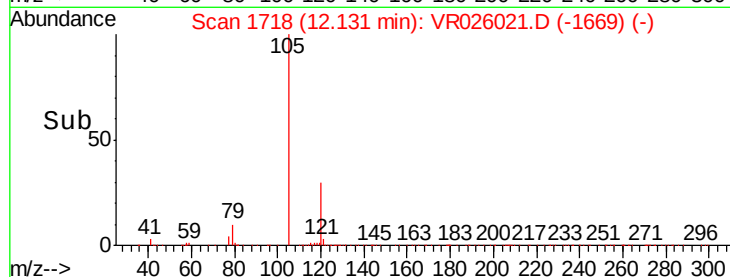
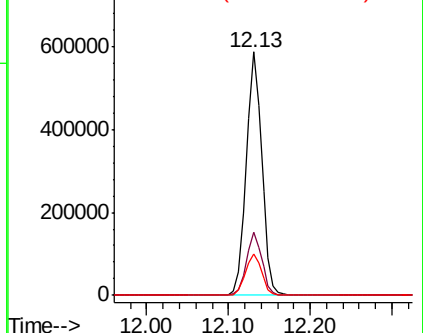
77 17.7 15.5 23.3



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: 4.787 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

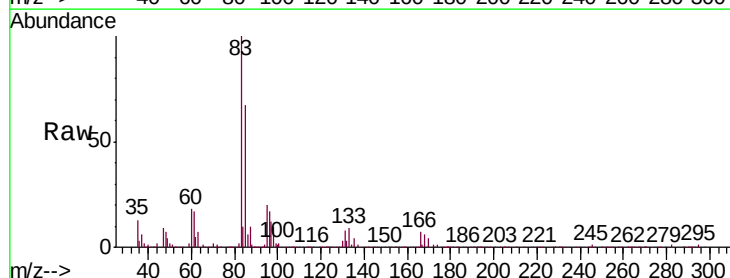
Tgt Ion: 83 Resp: 62699

Ion Ratio Lower Upper

83 100

85 67.0 45.8 85.0

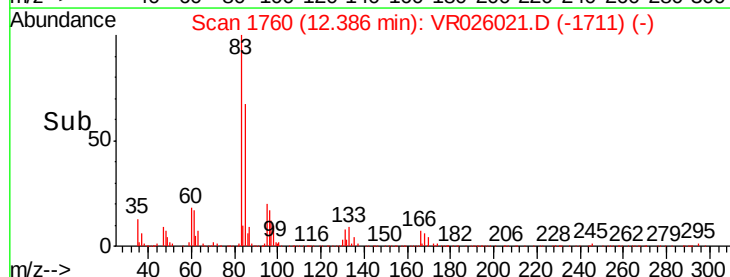
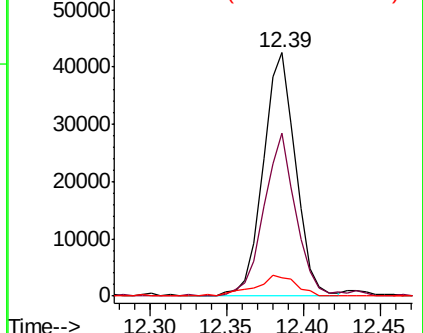
131 7.6 6.6 9.8

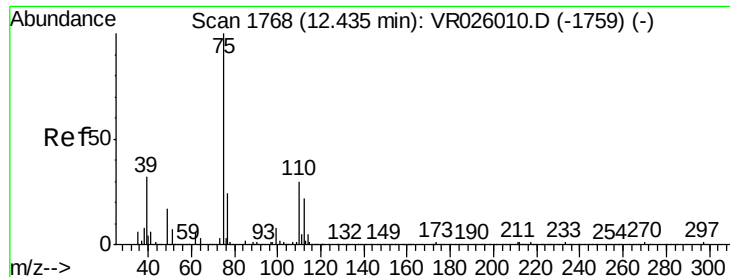


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.710 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_R

ClientSampleId :

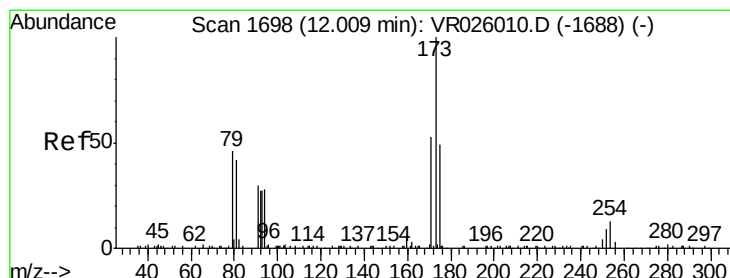
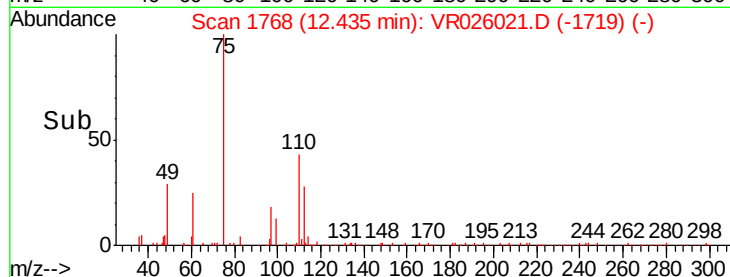
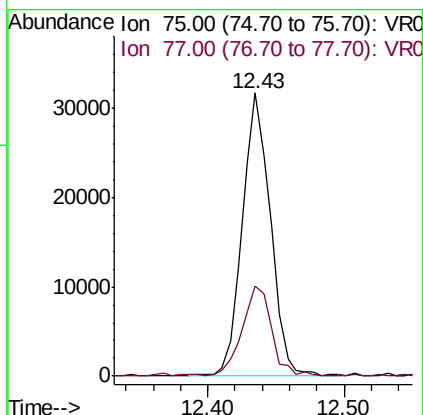
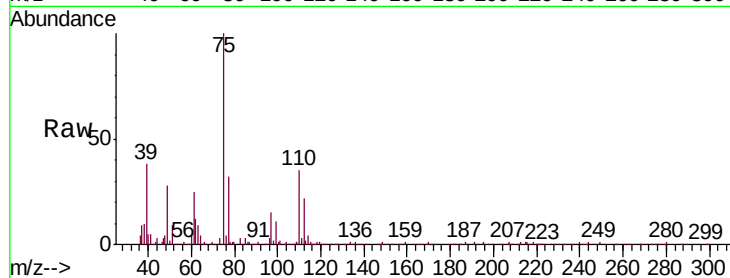
VSTD00594

Tgt Ion: 75 Resp: 45917

Ion Ratio Lower Upper

75 100

77 33.3 25.8 38.6



#61

Bromoform

Concen: 5.066 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

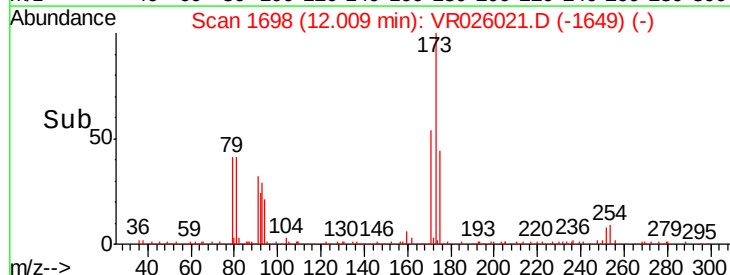
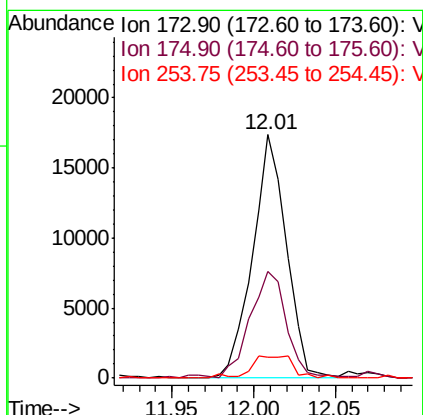
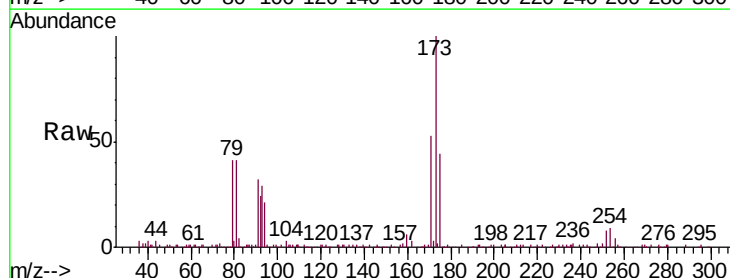
Tgt Ion: 173 Resp: 25022

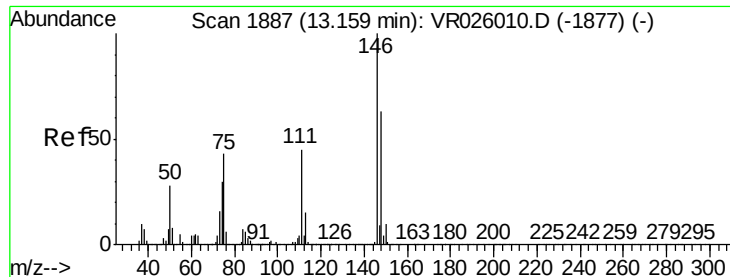
Ion Ratio Lower Upper

173 100

175 48.3 36.9 55.3

254 11.7 6.6 10.0#





#62

1,3-Dichlorobenzene

Concen: 4.587 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_R

ClientSampled :

VSTD00594

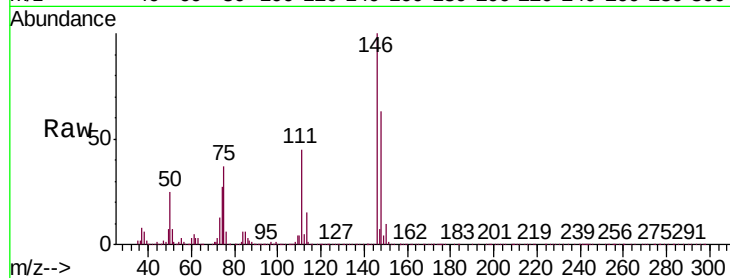
Tgt Ion:146 Resp: 219009

Ion Ratio Lower Upper

146 100

111 45.0 36.6 68.0

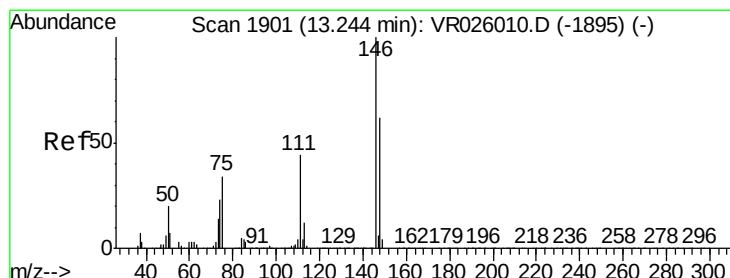
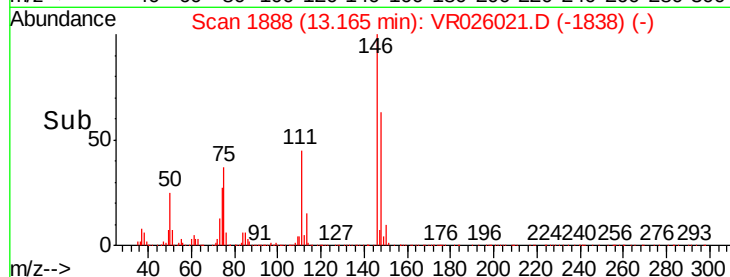
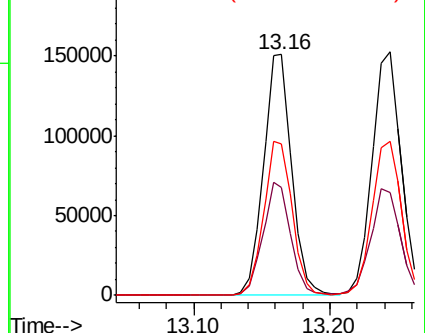
148 63.1 41.9 77.7



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



#63

1,4-Dichlorobenzene

Concen: 4.600 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

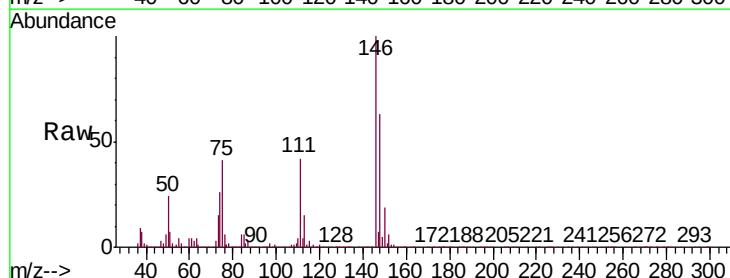
Tgt Ion:146 Resp: 224670

Ion Ratio Lower Upper

146 100

111 42.4 32.9 61.1

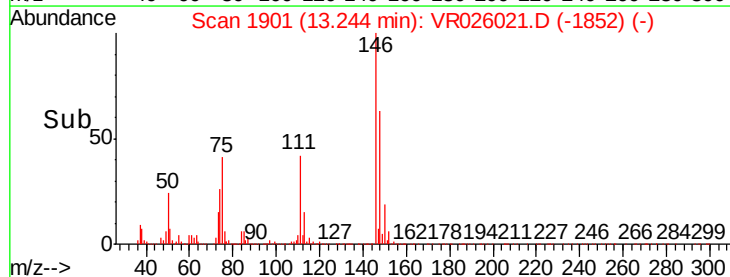
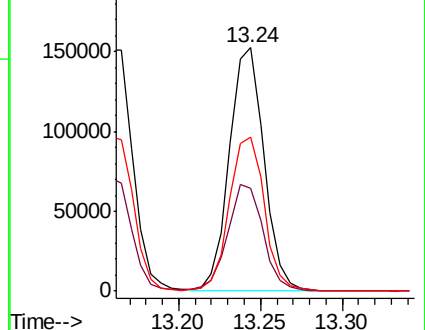
148 63.1 45.5 84.5

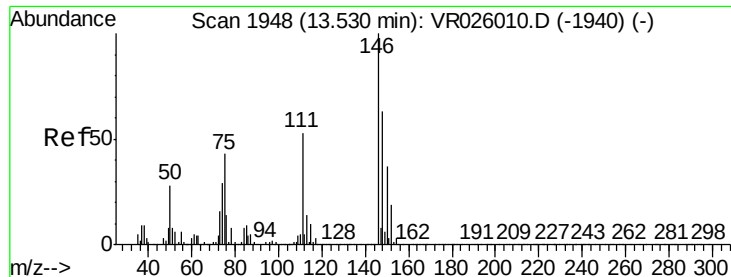


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

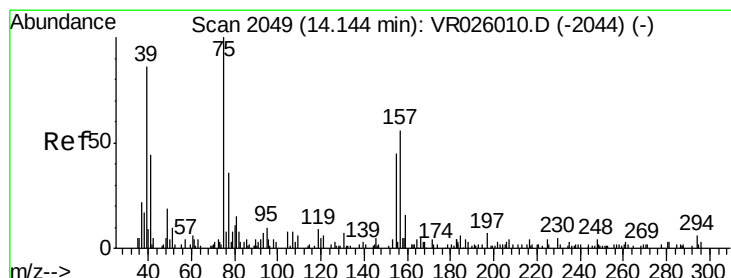
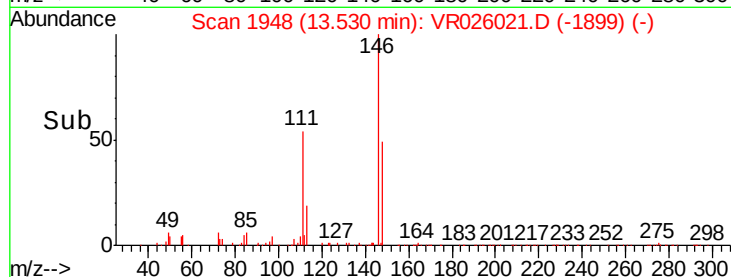
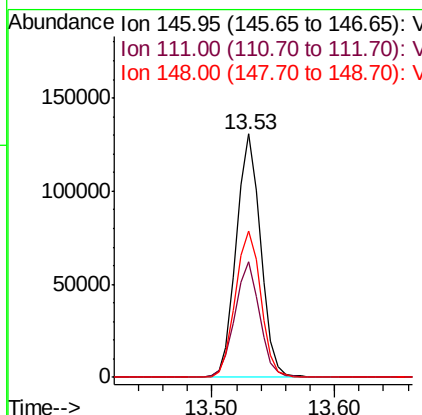
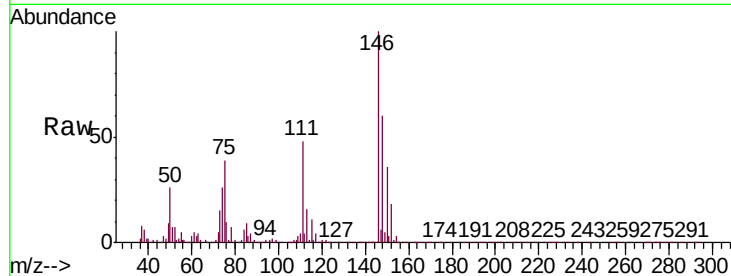




#65
 1,2-Dichlorobenzene
 Concen: 4.657 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026021.D
 Acq: 10 Oct 2018 9:55

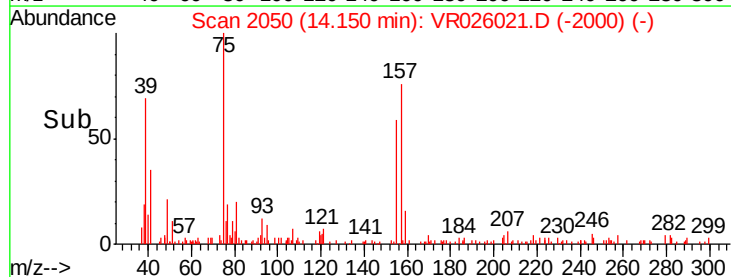
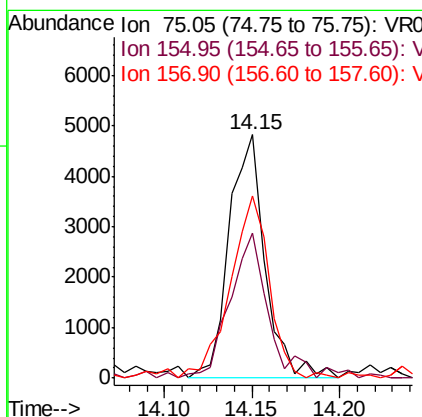
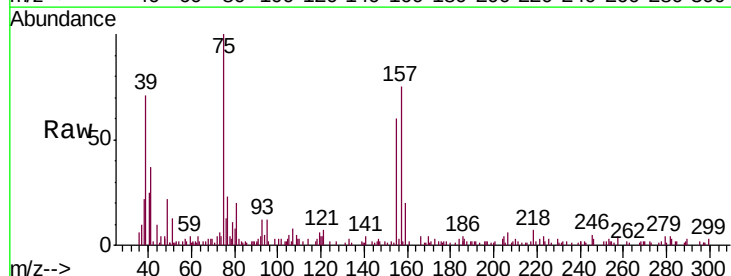
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00594

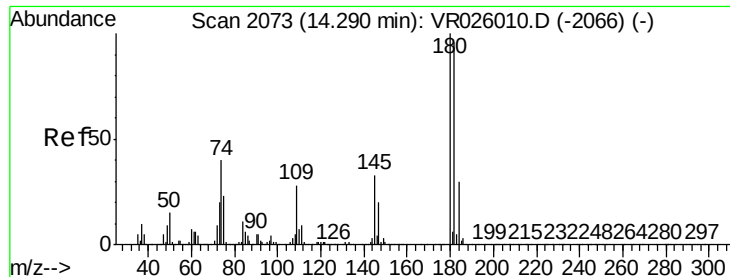
Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.7	39.4	59.0
148	60.0	53.5	80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.269 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VR026021.D
 Acq: 10 Oct 2018 9:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	59.5	37.8	56.6#
157	75.0	49.7	74.5#

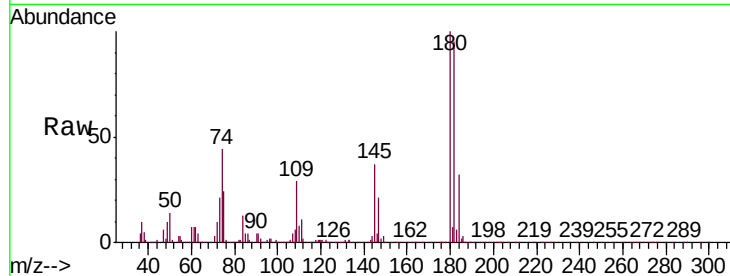




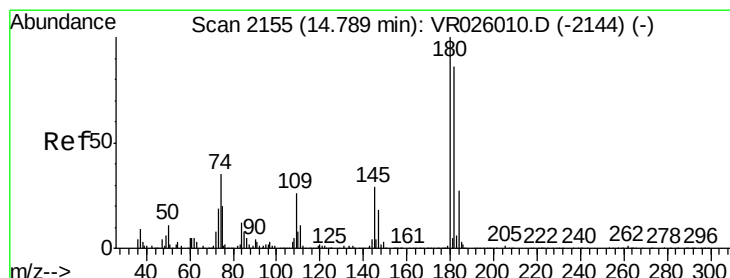
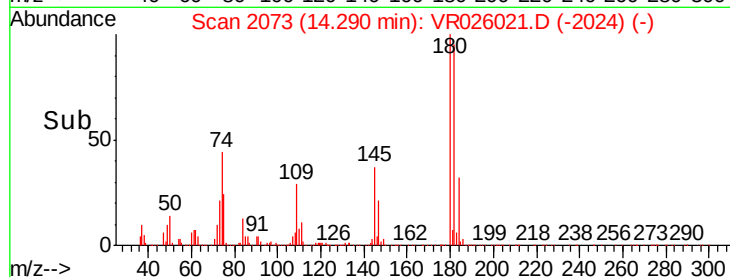
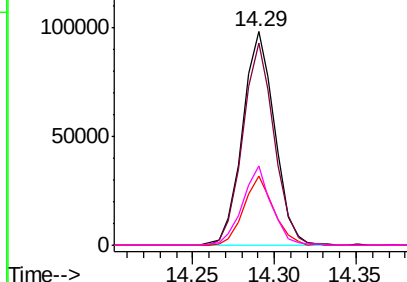
#67
 1,3,5-Trichlorobenzene
 Concen: 4.730 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026021.D
 Acq: 10 Oct 2018 9:55

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00594

Tgt Ion:	180	Resp:	134532
Ion Ratio	Lower	Upper	
180	100		
182	92.8	77.2	115.8
184	30.2	24.5	36.7
145	33.7	31.1	46.7

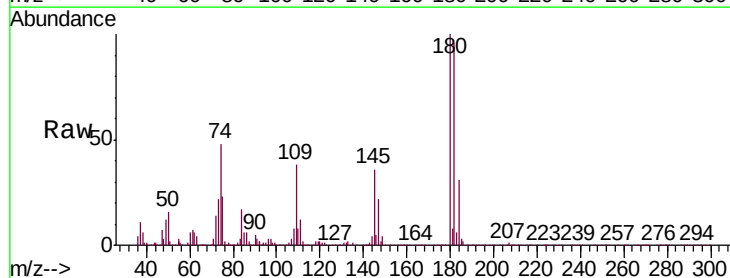


Abundance Ion 180.00 (179.70 to 180.70): V
 150000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

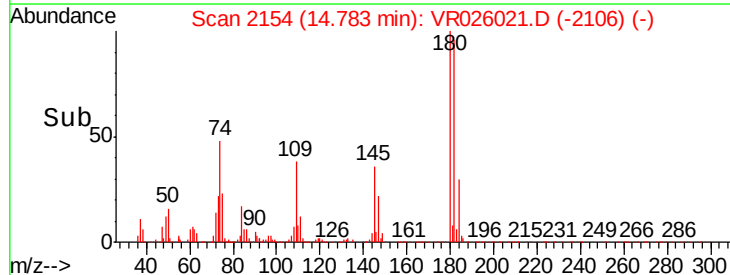
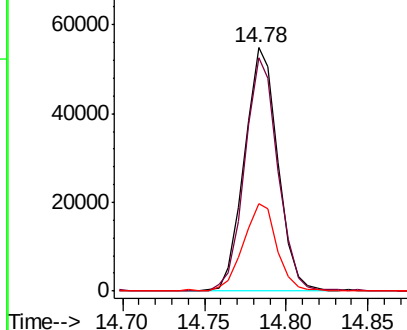


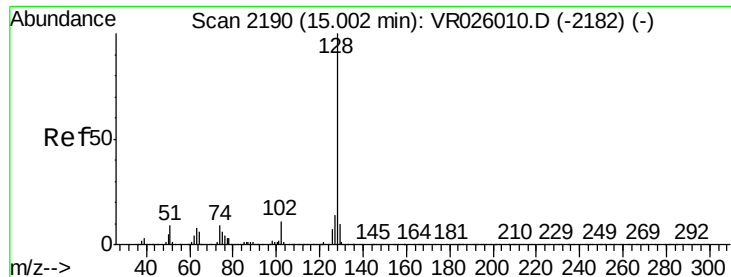
#68
 1,2,4-trichlorobenzene
 Concen: 4.303 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR026021.D
 Acq: 10 Oct 2018 9:55

Tgt Ion:	180	Resp:	78015
Ion Ratio	Lower	Upper	
180	100		
182	95.2	75.2	112.8
145	36.4	30.5	45.7



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: 3.898 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_R

ClientSampleId :

VSTD00594

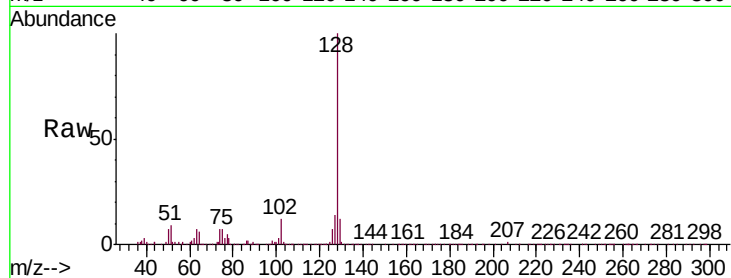
Tgt Ion:128 Resp: 90189

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

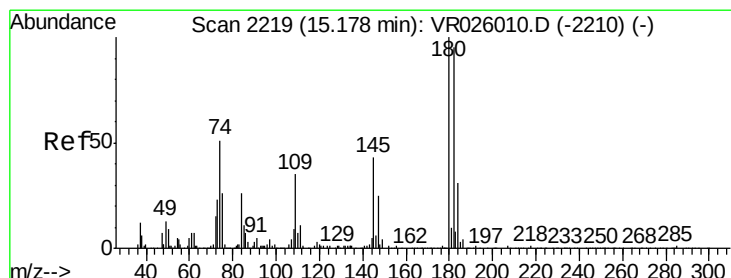
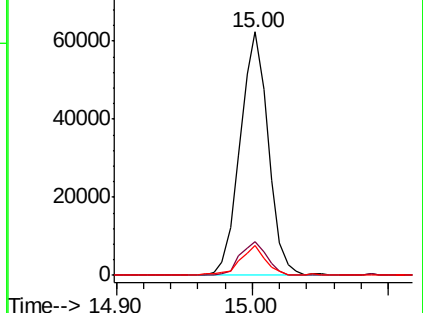
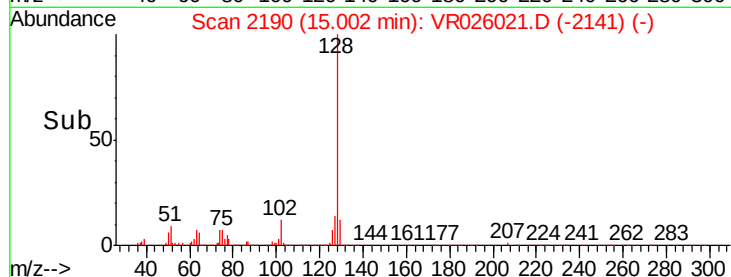
129 10.8 9.4 14.2



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: 4.461 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026021.D

Acq: 10 Oct 2018 9:55

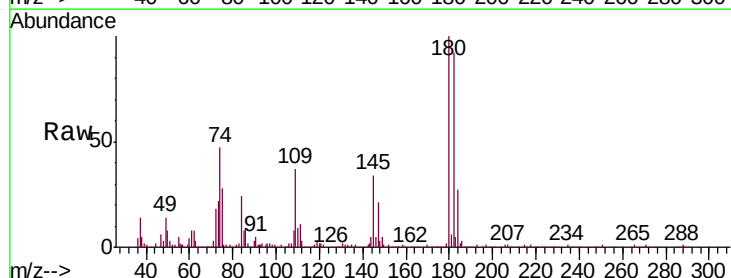
Tgt Ion:180 Resp: 56113

Ion Ratio Lower Upper

180 100

182 94.4 74.7 112.1

145 34.9 31.3 46.9



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

