

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR102618\
 Data File : VR026155.D
 Acq On : 26 Oct 2018 10:30
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 BFB94

Quant Time: Oct 26 23:22:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 20 01:53:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	776730	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	650089	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	256761	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	254092	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	2.63	69	235426	4.03	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.60%
11) 1,1-Dichloroethene-d2	3.61	63	674136	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	6.59	46	246675	44.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.40%
24) Chloroform-d	7.20	84	507759	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	7.90	65	190124	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
32) Benzene-d6	7.85	84	942257	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	8.90	67	238755	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	9.97	98	838002	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	10.24	79	63294	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	10.59	63	195254	47.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.60%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	101500	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	13.52	152	178162	4.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	263389	5.048 ug/L	98
3) Chloromethane	2.03	50	344528	4.158 ug/L	98
5) Vinyl chloride	2.17	62	354189	4.291 ug/L	100
6) Bromomethane	2.53	94	226638	4.158 ug/L	97
8) Chloroethane	2.66	64	211773	4.141 ug/L	99
9) Trichlorofluoromethane	2.94	101	217940	1.829 ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	320695	4.514 ug/L	98
12) 1,1-Dichloroethene	3.63	96	331767	4.392 ug/L	92
13) Acetone	3.70	43	215790	37.403 ug/L	100
14) Carbon disulfide	3.94	76	919369	4.656 ug/L	98
15) Methyl Acetate	4.19	43	54081	3.588 ug/L	98
16) Methylene chloride	4.41	84	270657	3.952 ug/L	96
17) Methyl tert-butyl Ether	4.90	73	302764	4.415 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	285439	4.997 ug/L	95
19) 1,1-Dichloroethane	5.70	63	509648	4.752 ug/L	94
21) 2-Butanone	6.69	43	271797	40.837 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	256983	4.756 ug/L #	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

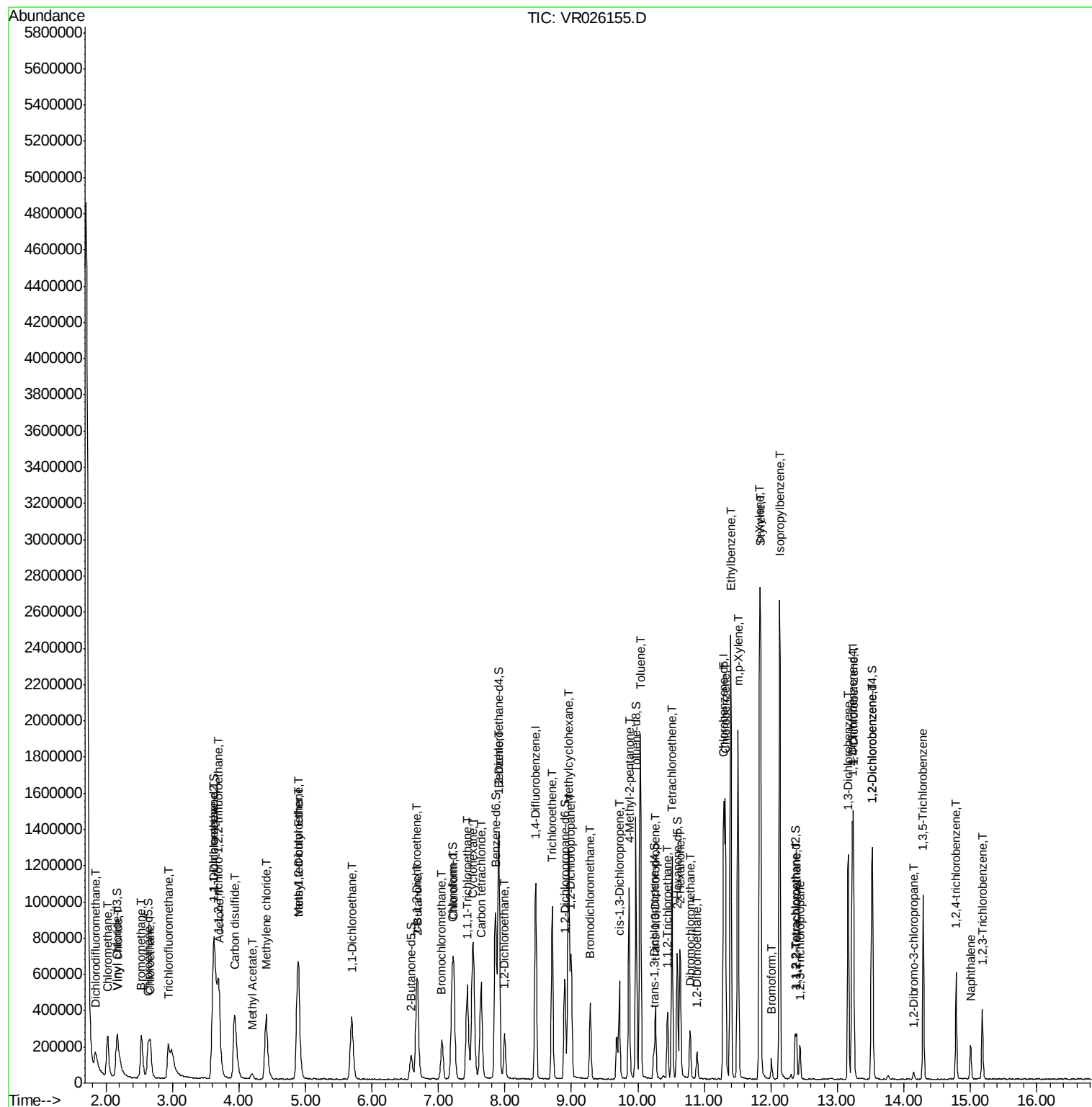
23) Bromochloromethane	7.05	128	69418	4.580	ug/L	96
25) Chloroform	7.23	83	490142	4.683	ug/L	94
27) 1,2-Dichloroethane	7.99	62	214579	4.188	ug/L #	96
29) 1,1,1-Trichloroethane	7.43	97	461057	5.190	ug/L	98
30) Cyclohexane	7.52	56	468402	5.253	ug/L	99
31) Carbon tetrachloride	7.63	117	410575	5.083	ug/L	97
33) Benzene	7.91	78	1148712	4.709	ug/L	100
34) Trichloroethene	8.71	95	307191	4.920	ug/L	98
35) Methylcyclohexane	8.95	83	466901	5.023	ug/L	97
37) 1,2-Dichloropropane	9.00	63	227668	4.424	ug/L	99
38) Bromodichloromethane	9.28	83	253592	4.582	ug/L	96
39) cis-1,3-Dichloropropene	9.72	75	273292	4.640	ug/L	95
40) 4-Methyl-2-pentanone	9.87	43	650530	41.390	ug/L	100
42) Toluene	10.04	91	1192531	4.632	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	189724	4.610	ug/L	93
45) 1,1,2-Trichloroethane	10.45	97	95158	4.384	ug/L	99
47) Tetrachloroethene	10.51	164	216751	4.862	ug/L	98
48) 2-Hexanone	10.63	43	440443	42.906	ug/L	100
49) Dibromochloromethane	10.79	129	116357	4.763	ug/L	98
50) 1,2-Dibromoethane	10.89	107	83750	4.466	ug/L #	95
51) Chlorobenzene	11.32	112	650371	4.563	ug/L	99
52) Ethylbenzene	11.39	91	1443115	4.875	ug/L	99
53) m,p-Xylene	11.50	106	530855	4.921	ug/L	98
54) o-Xylene	11.83	106	487146	4.926	ug/L	99
55) Styrene	11.84	104	733784	4.821	ug/L	100
56) Isopropylbenzene	12.13	105	1424707	5.187	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	95275	4.318	ug/L	93
59) 1,2,3-Trichloropropane	12.43	75	68773	4.246	ug/L	98
61) Bromoform	12.01	173	39971	4.479	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	401143	4.703	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	409425	4.635	ug/L	93
65) 1,2-Dichlorobenzene	13.53	146	306747	4.481	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.15	75	9219	3.305	ug/L	92
67) 1,3,5-Trichlorobenzene	14.29	180	237046	4.561	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	136552	4.501	ug/L	98
69) Naphthalene	15.00	128	125463	4.259	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	93342	4.430	ug/L	100

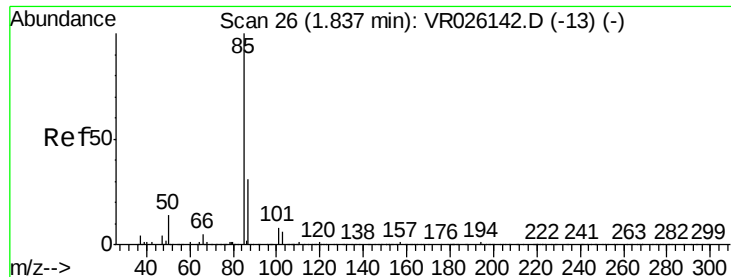
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.048 ug/L

RT: 1.84 min Scan# 26

Delta R.T. -0.00 min

Lab File: VR026155.D

Acq: 26 Oct 2018 10:30

Instrument :

MSVOA_R

ClientSampleId :

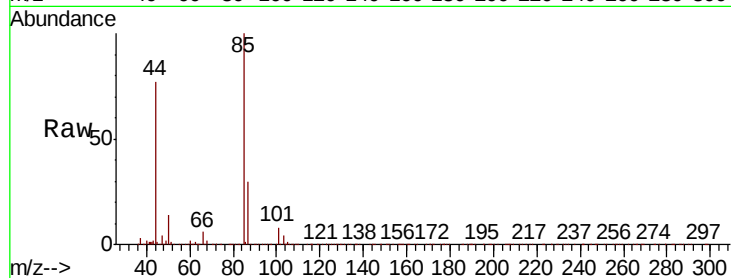
BFB94

Tgt Ion: 85 Resp: 263389

Ion Ratio Lower Upper

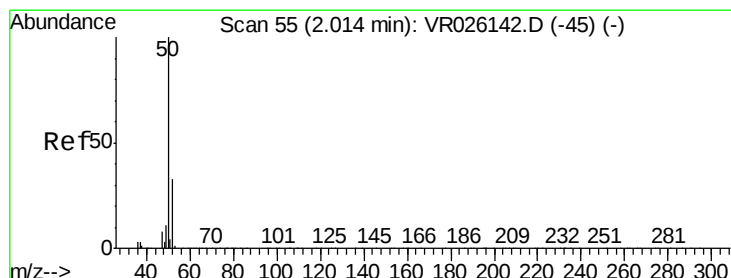
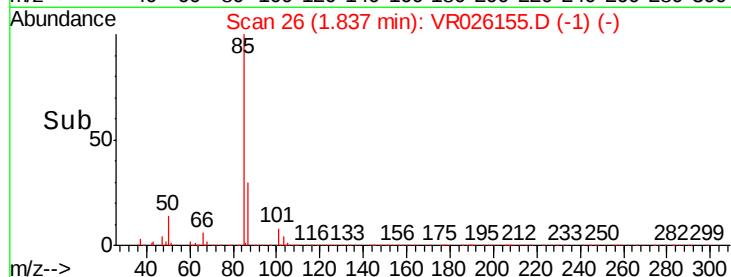
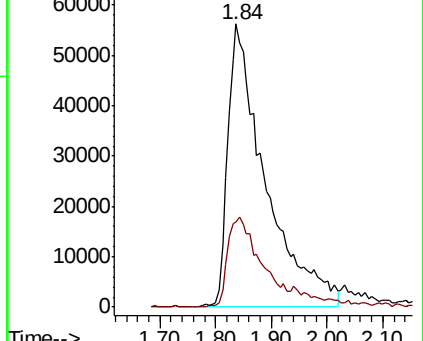
85 100

87 28.1 23.4 35.2



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 4.158 ug/L

RT: 2.03 min Scan# 57

Delta R.T. 0.01 min

Lab File: VR026155.D

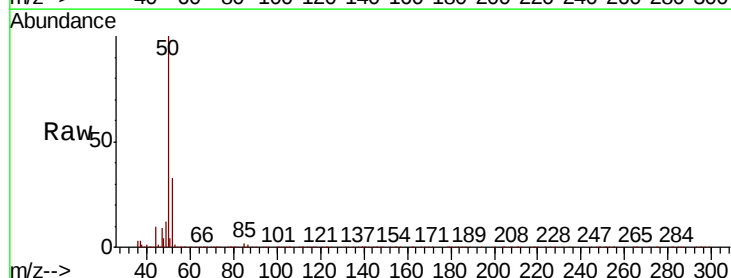
Acq: 26 Oct 2018 10:30

Tgt Ion: 50 Resp: 344528

Ion Ratio Lower Upper

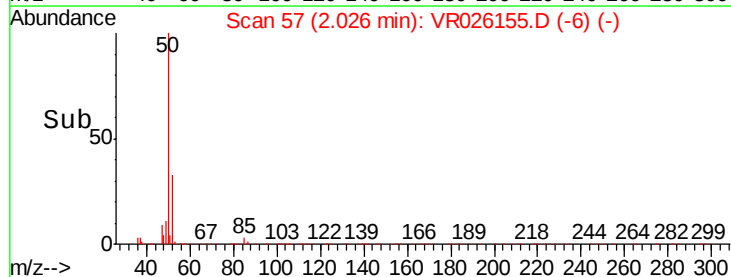
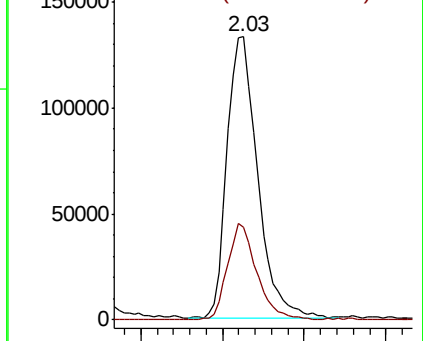
50 100

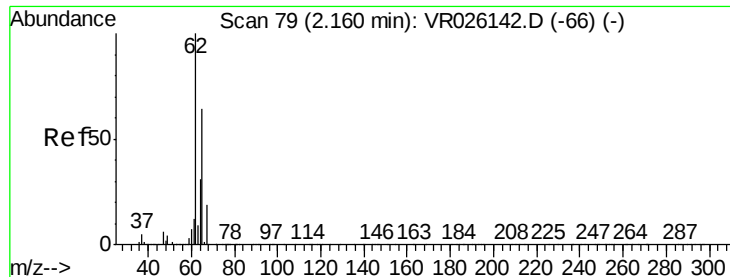
52 32.7 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 4.291 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR026155.D

Acq: 26 Oct 2018 10:30

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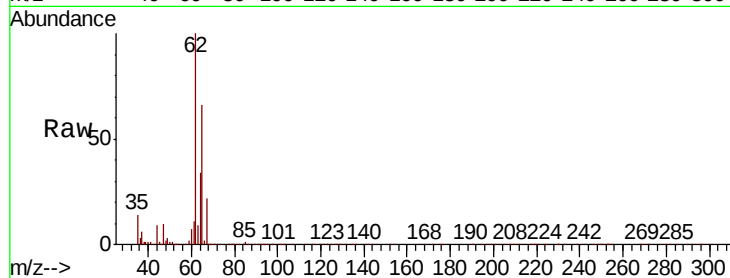
BFB94

Tgt Ion: 62 Resp: 354189

Ion Ratio Lower Upper

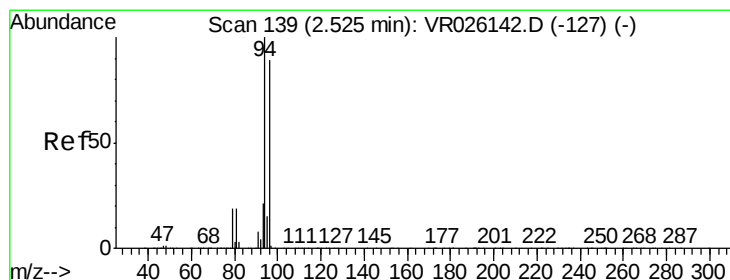
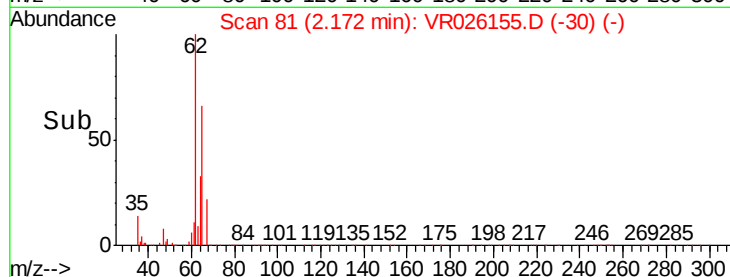
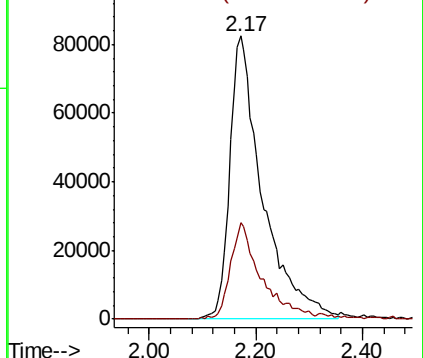
62 100

64 33.9 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 4.158 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR026155.D

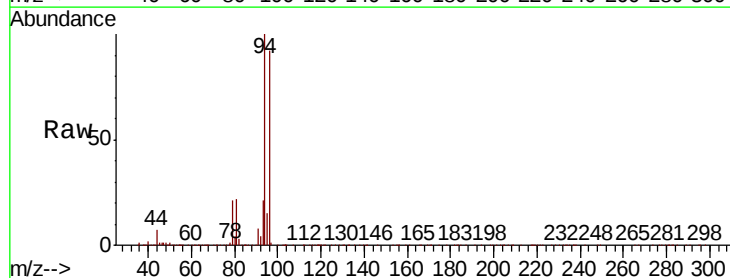
Acq: 26 Oct 2018 10:30

Tgt Ion: 94 Resp: 226638

Ion Ratio Lower Upper

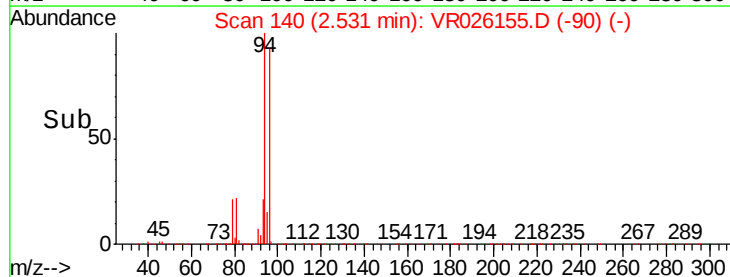
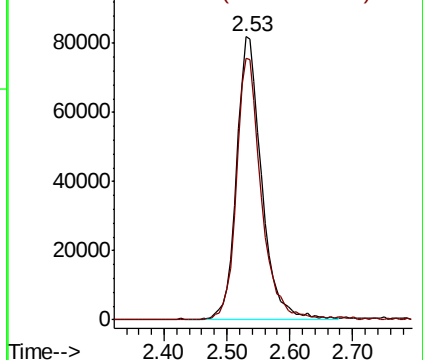
94 100

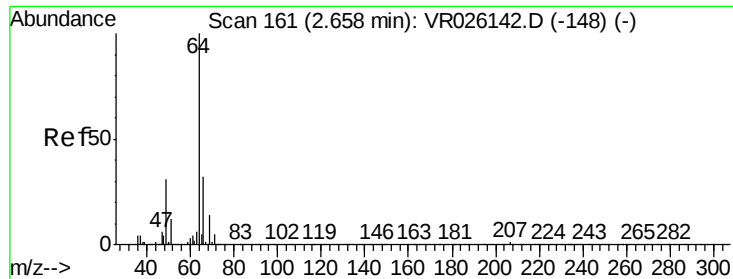
96 92.4 62.5 116.1



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

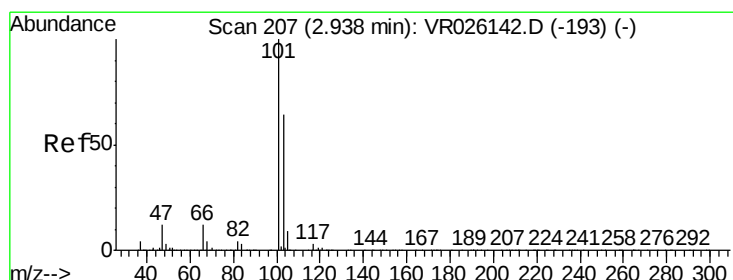
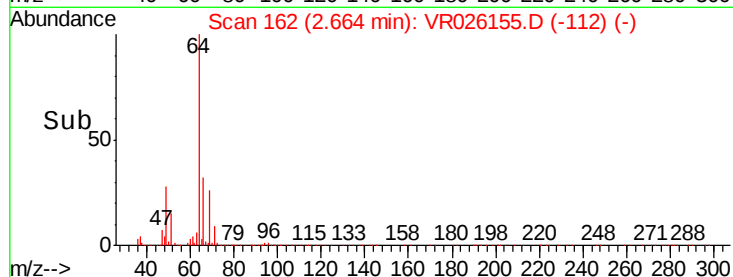
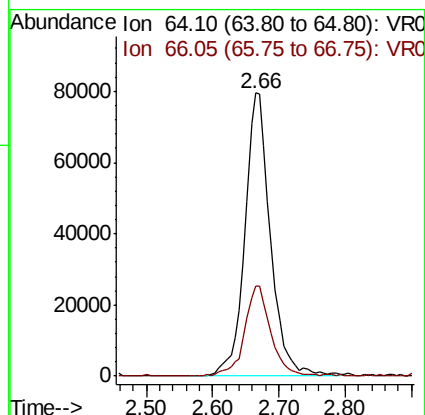
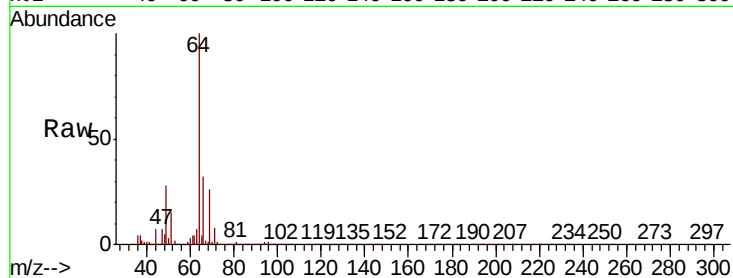




#8
Chloroethane
Concen: 4.141 ug/L
RT: 2.66 min Scan# 162
Delta R.T. 0.01 min
Lab File: VR026155.D
Acq: 26 Oct 2018 10:30

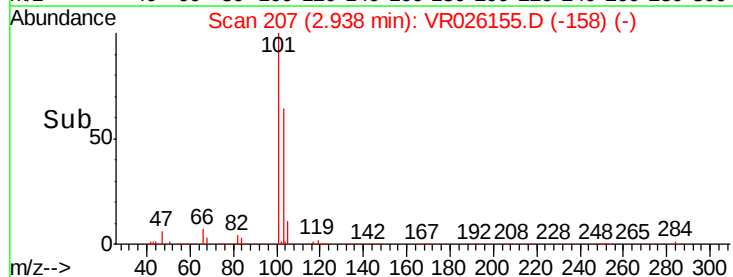
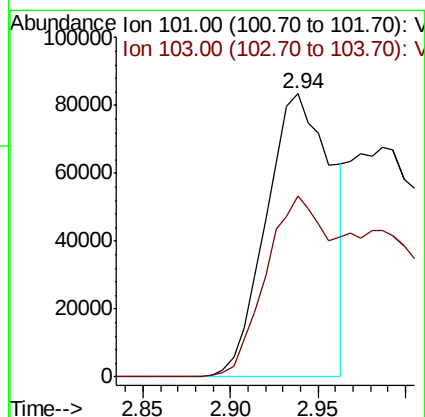
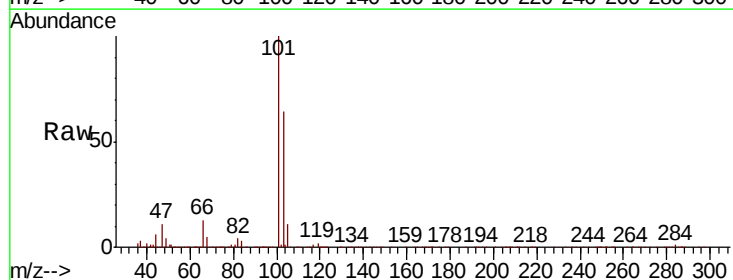
Instrument :
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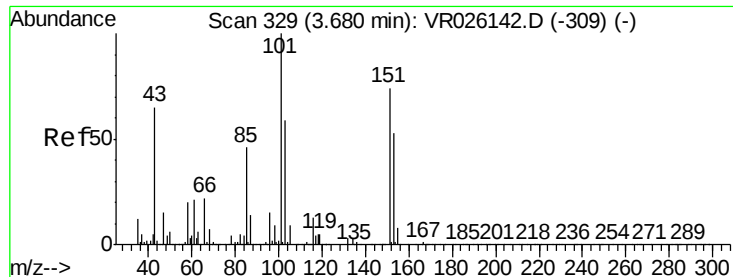
Tgt Ion: 64 Resp: 211773
Ion Ratio Lower Upper
64 100
66 31.8 22.0 40.8



#9
Trichlorofluoromethane
Concen: 1.829 ug/L
RT: 2.94 min Scan# 207
Delta R.T. -0.00 min
Lab File: VR026155.D
Acq: 26 Oct 2018 10:30

Tgt Ion: 101 Resp: 217940
Ion Ratio Lower Upper
101 100
103 64.5 26.0 39.0#





#10

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

Concen: 4.514 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.01 min

Lab File: VR026155.D

Acq: 26 Oct 2018 10:30

Instrument :

MSVOA_R

ClientSampleId :

BFB94

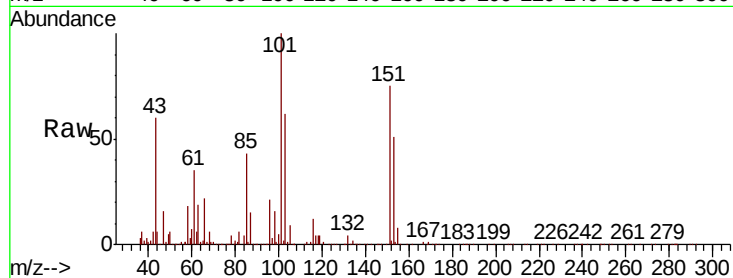
Tgt Ion:101 Resp: 320695

Ion Ratio Lower Upper

101 100

85 44.4 37.8 56.8

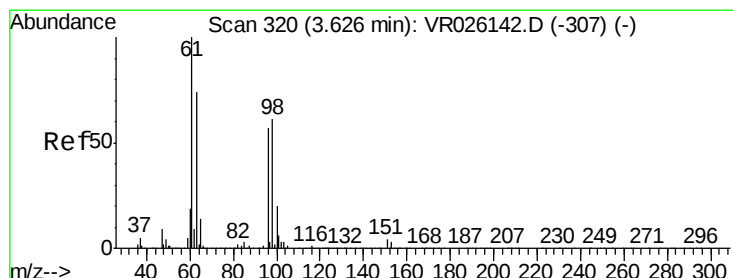
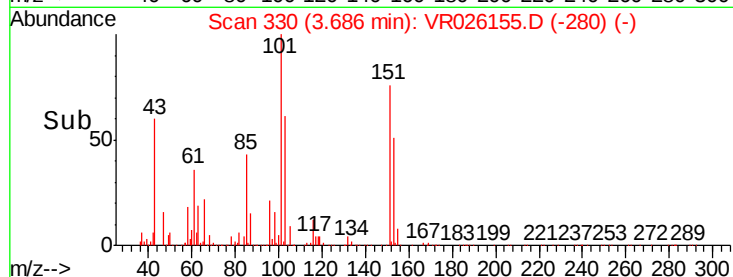
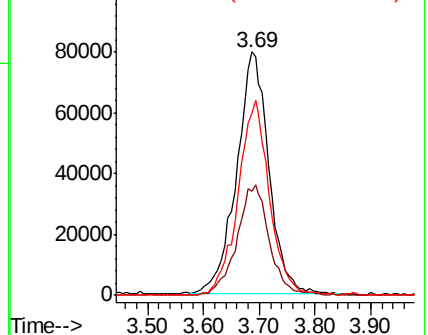
151 78.6 63.2 94.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.392 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.00 min

Lab File: VR026155.D

Acq: 26 Oct 2018 10:30

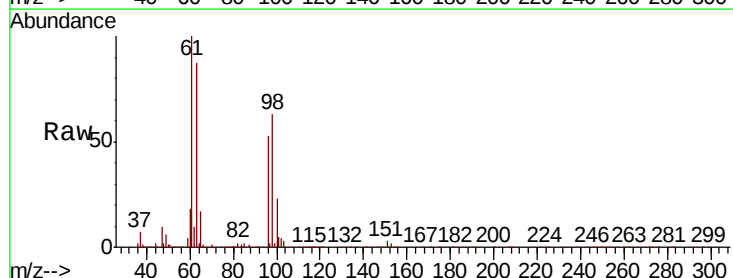
Tgt Ion: 96 Resp: 331767

Ion Ratio Lower Upper

96 100

61 188.3 126.7 235.3

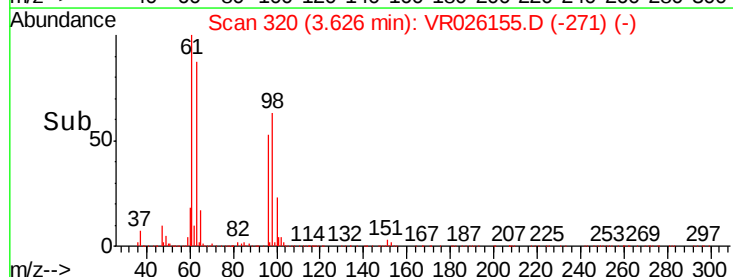
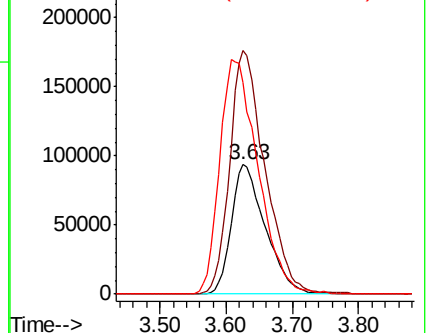
63 164.1 125.0 232.2

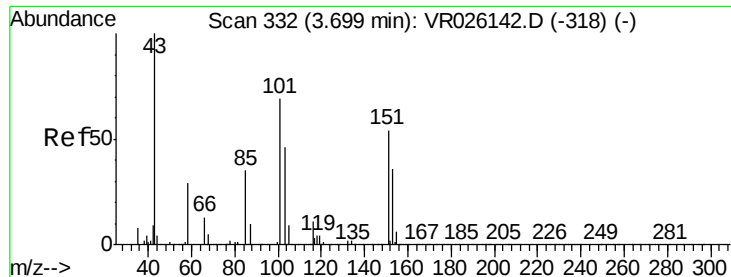


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 37.403 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

Lab File: VR026155.D

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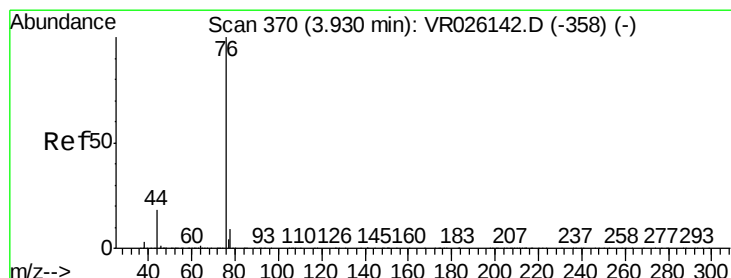
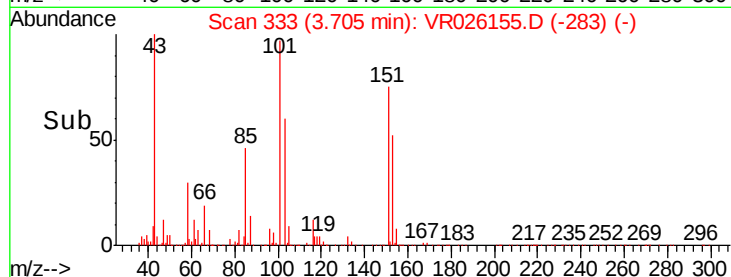
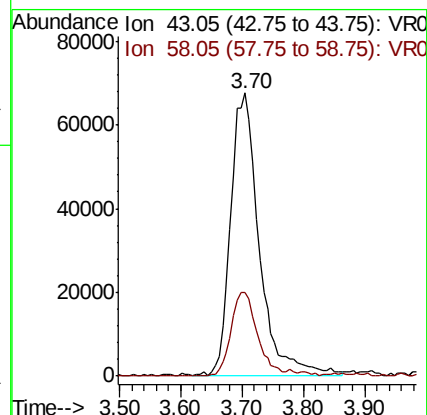
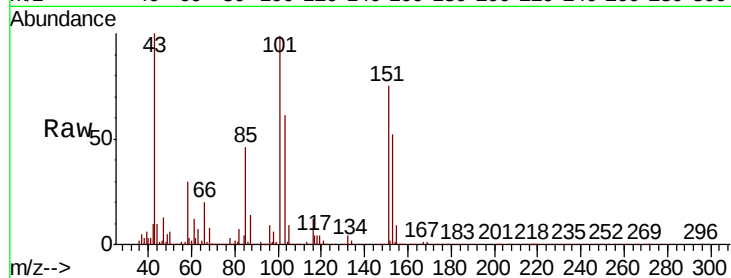
BFB94

Tgt Ion: 43 Resp: 215790

Ion Ratio Lower Upper

43 100

58 27.6 0.0 55.4



#14

Carbon disulfide

Concen: 4.656 ug/L

RT: 3.94 min Scan# 371

Delta R.T. 0.01 min

Lab File: VR026155.D

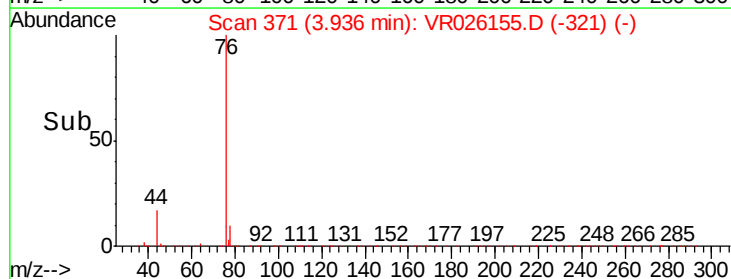
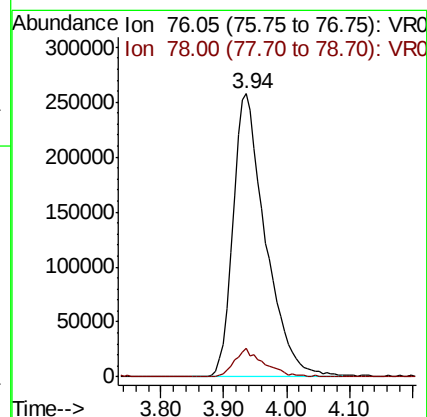
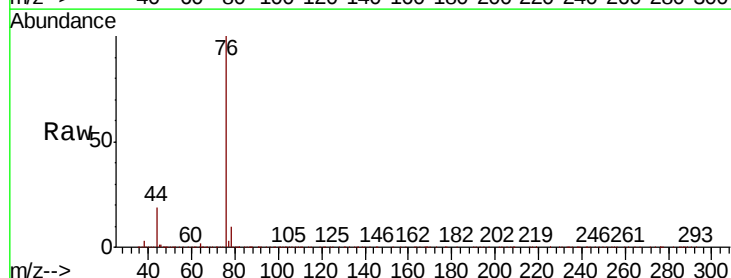
Acq: 26 Oct 2018 10:30

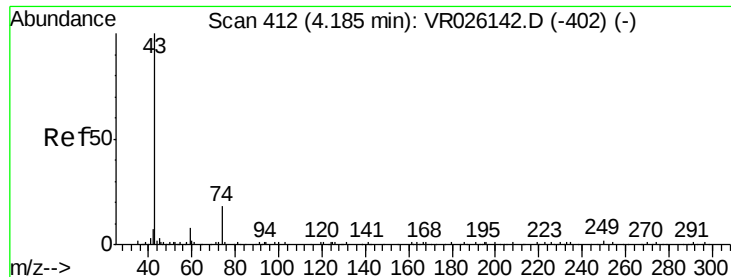
Tgt Ion: 76 Resp: 919369

Ion Ratio Lower Upper

76 100

78 10.1 7.6 11.4

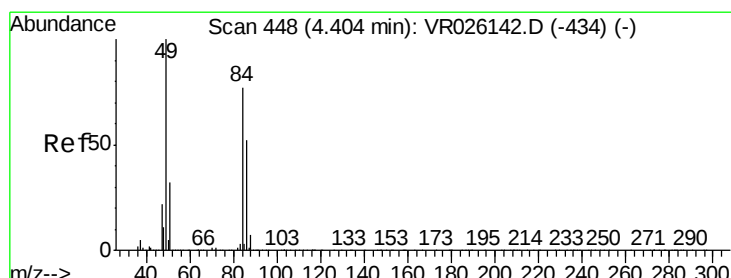
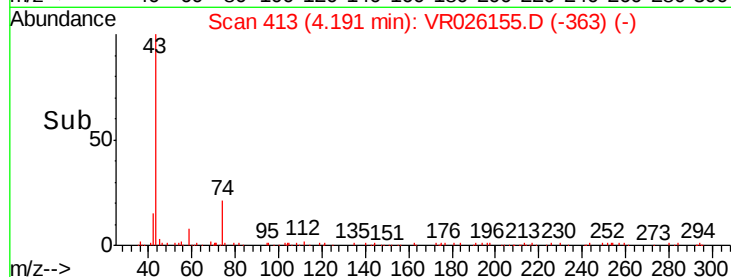
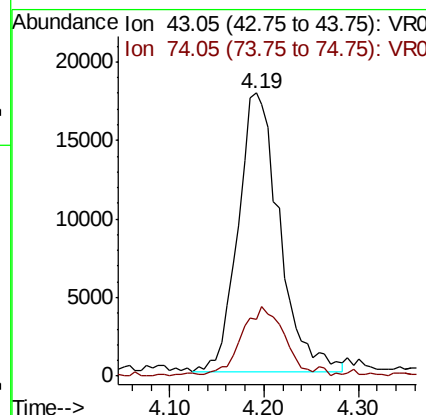
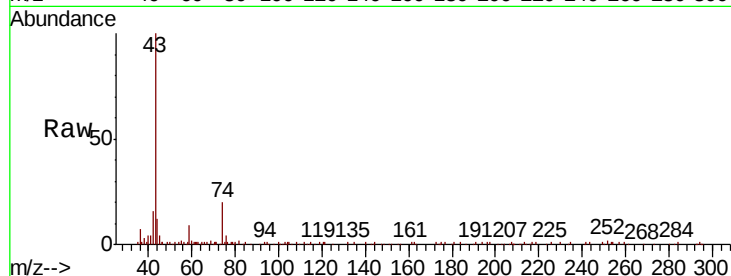




#15
Methyl Acetate
Concen: 3.588 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.01 min
Lab File: VR026155.D
Acq: 26 Oct 2018 10:30

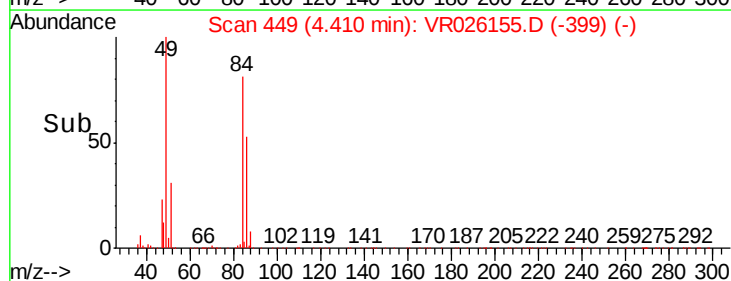
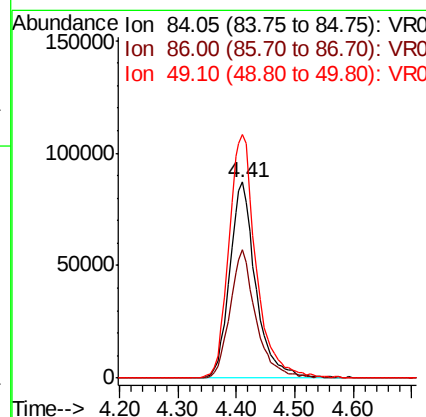
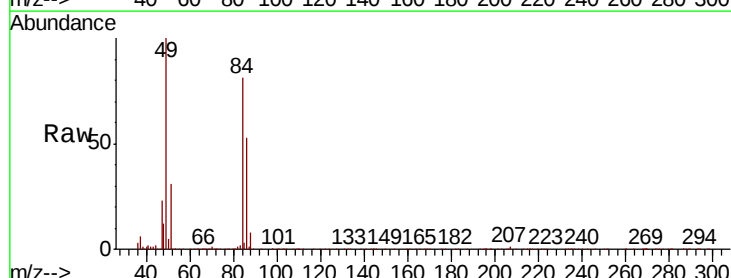
Instrument :
MSVOA_R
ClientSampleId :
BFB94

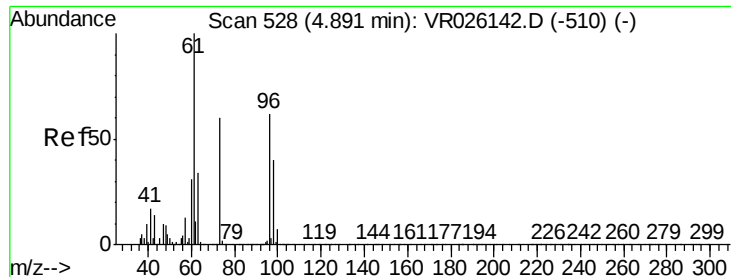
Tgt Ion: 43 Resp: 54081
Ion Ratio Lower Upper
43 100
74 25.8 19.8 29.8



#16
Methylene chloride
Concen: 3.952 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.01 min
Lab File: VR026155.D
Acq: 26 Oct 2018 10:30

Tgt Ion: 84 Resp: 270657
Ion Ratio Lower Upper
84 100
86 65.6 43.0 79.8
49 124.1 89.1 165.5

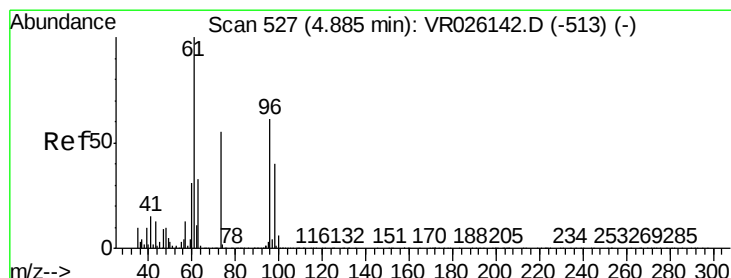
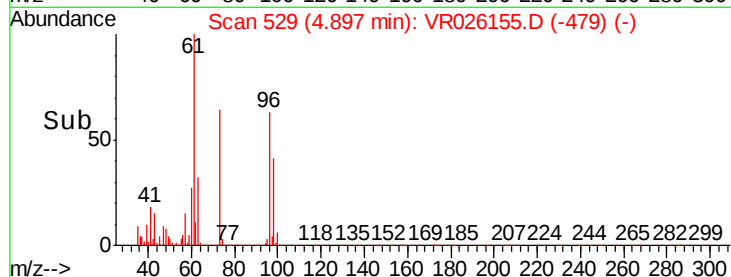
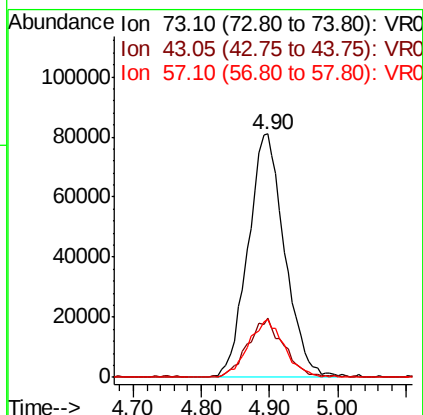
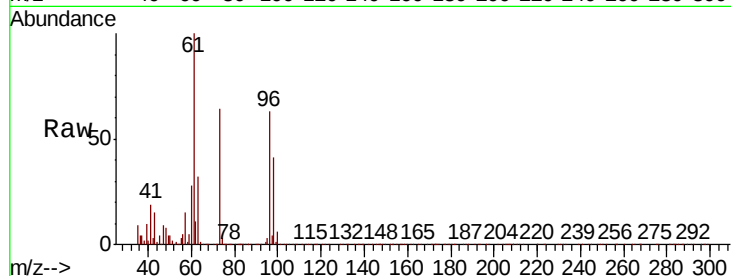




#17
Methyl tert-butyl Ether
Concen: 4.415 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.01 min
Lab File: VR026155.D
Acq: 26 Oct 2018 10:30

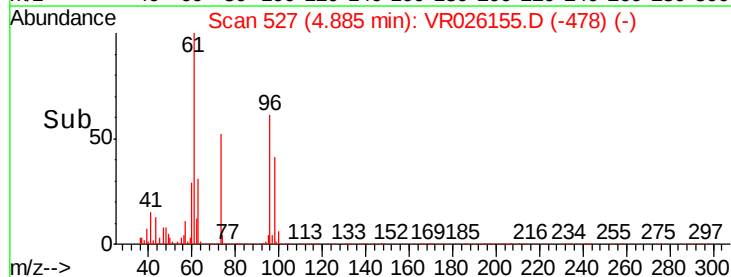
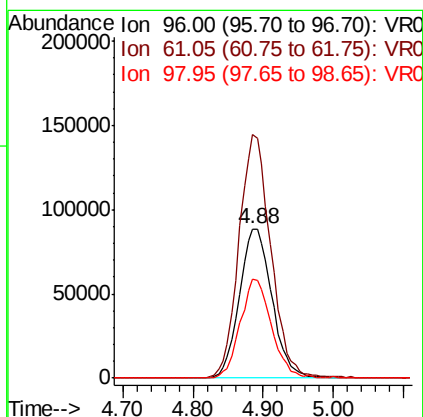
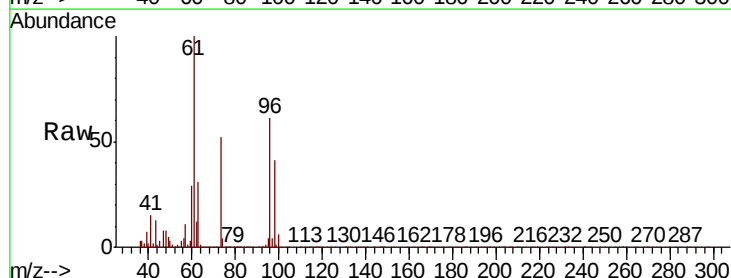
Instrument :
MSVOA_R
ClientSampled :
BFB94

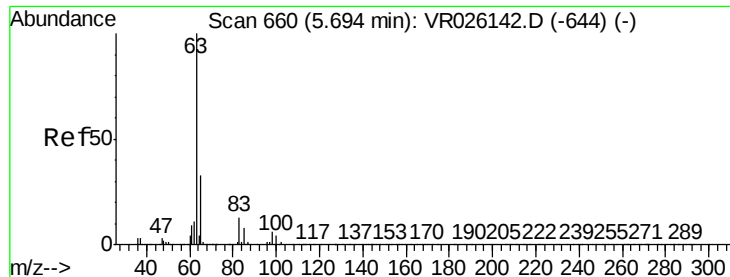
Tgt Ion: 73 Resp: 302764
Ion Ratio Lower Upper
73 100
43 23.7 20.1 30.1
57 23.4 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 4.997 ug/L
RT: 4.88 min Scan# 527
Delta R.T. -0.00 min
Lab File: VR026155.D
Acq: 26 Oct 2018 10:30

Tgt Ion: 96 Resp: 285439
Ion Ratio Lower Upper
96 100
61 162.9 111.4 206.8
98 66.5 41.4 77.0

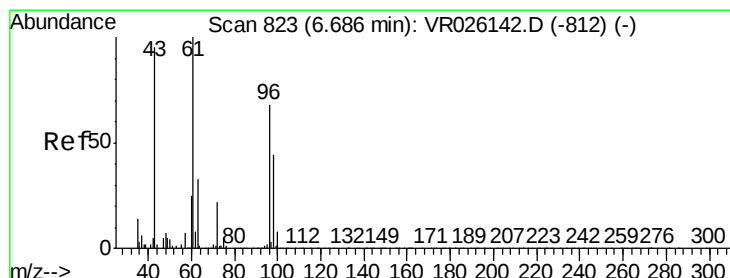
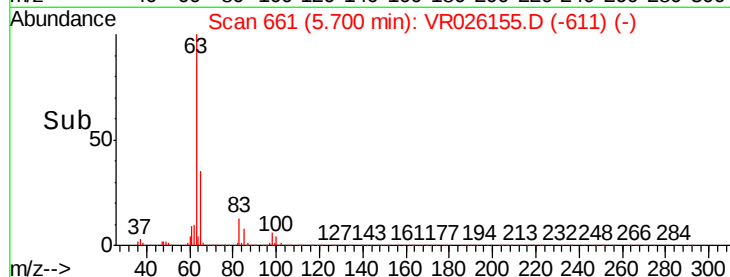
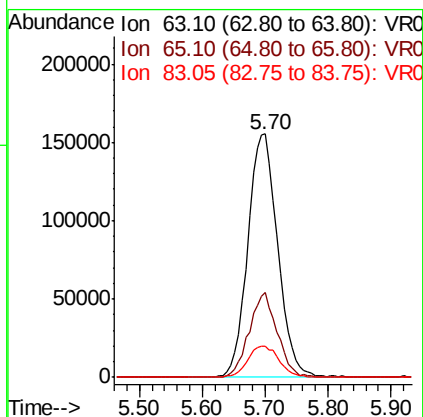
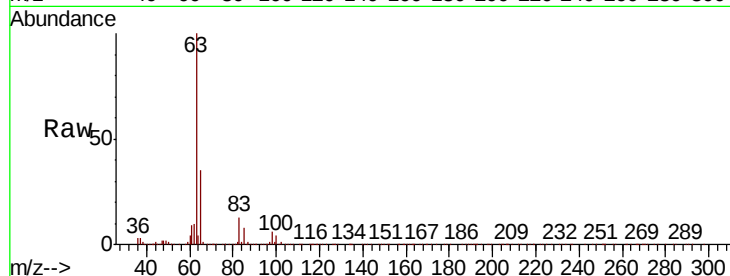




#19
 1,1-Dichloroethane
 Concen: 4.752 ug/L
 RT: 5.70 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VR026155.D
 Acq: 26 Oct 2018 10:30

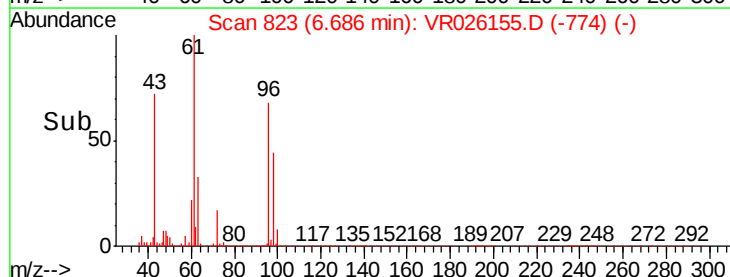
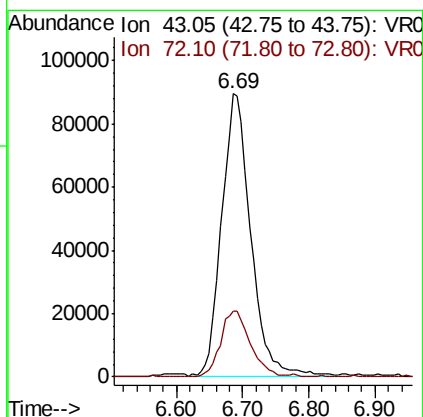
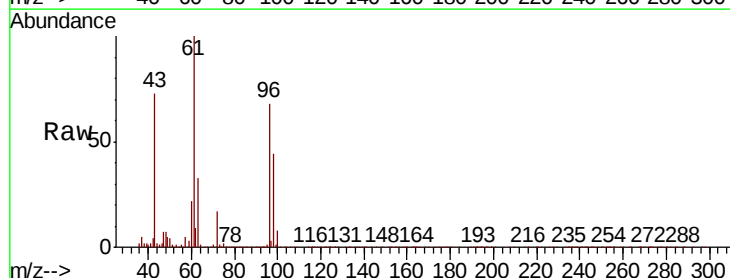
Instrument :
 MSVOA_R
 ClientSampleId :
 BFB94

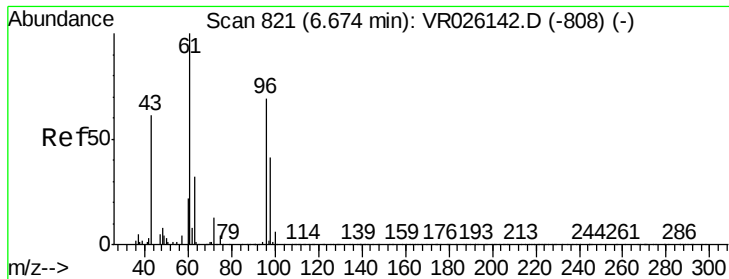
Tgt Ion:	63	Resp:	509648
Ion	Ratio	Lower	Upper
63	100		
65	34.7	21.2	39.4
83	12.6	9.2	17.2



#21
 2-Butanone
 Concen: 40.837 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: VR026155.D
 Acq: 26 Oct 2018 10:30

Tgt Ion:	43	Resp:	271797
Ion	Ratio	Lower	Upper
43	100		
72	23.6	12.3	36.8



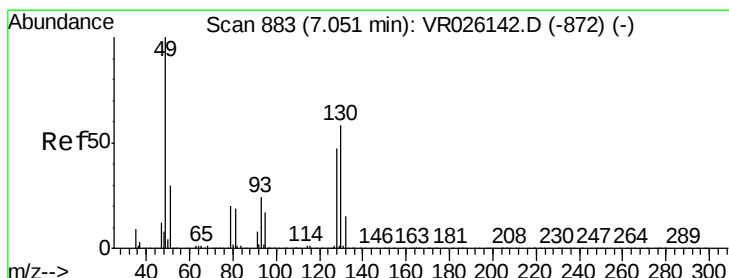
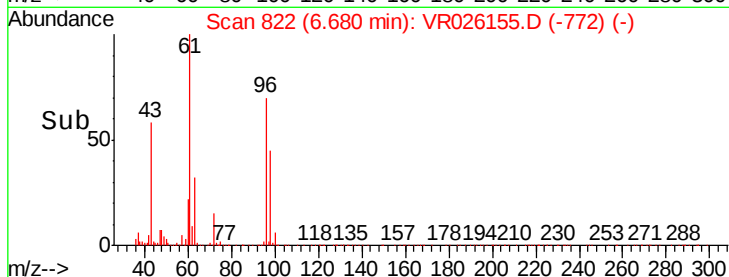
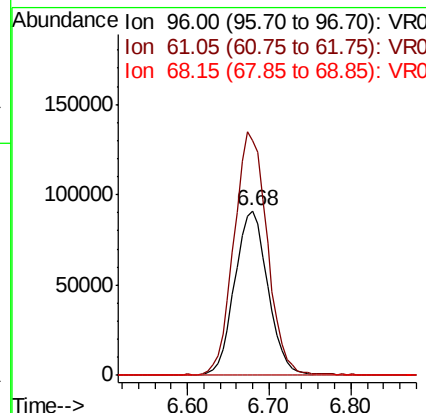
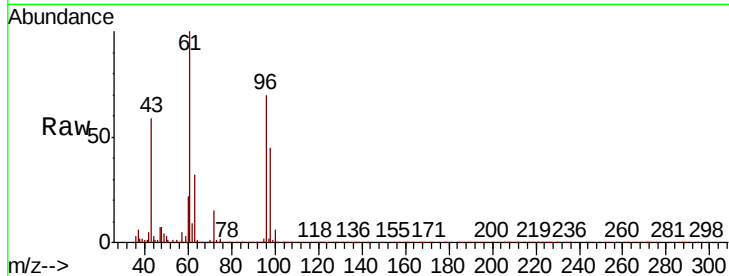


#22

cis-1,2-Dichloroethene
 Concen: 4.756 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. 0.01 min
 Lab File: VR026155.D
 Acq: 26 Oct 2018 10:30

Instrument :
 MSVOA_R
 ClientSampleId :
 BFB94

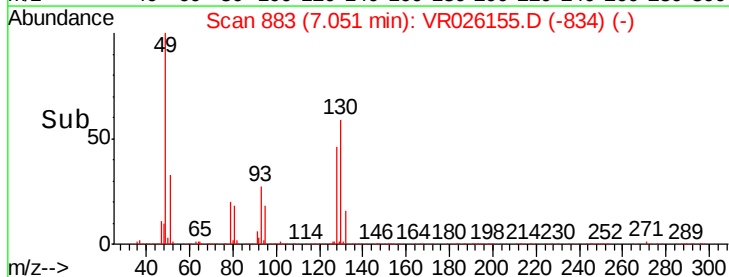
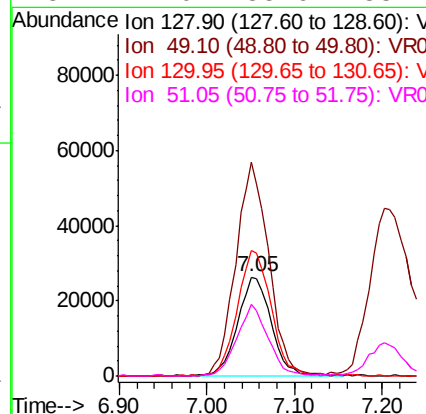
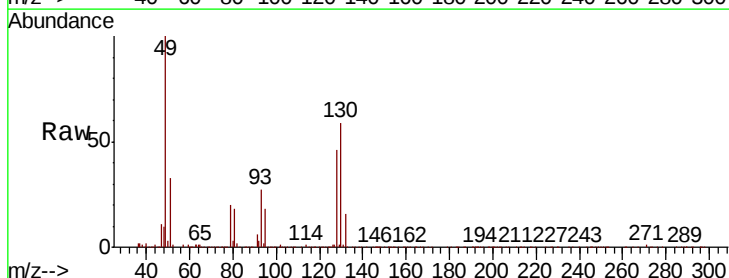
Tgt Ion: 96 Resp: 256983
 Ion Ratio Lower Upper
 96 100
 61 142.4 101.8 189.0
 68 0.0 0.1 0.3#

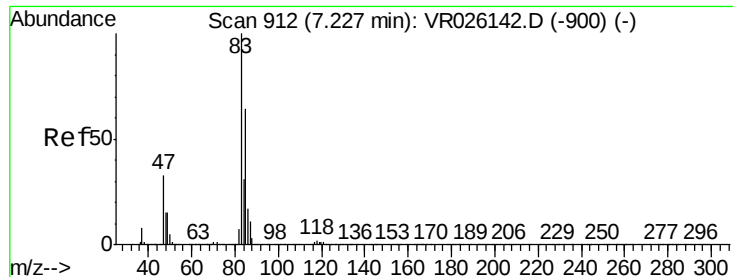


#23

Bromochloromethane
 Concen: 4.580 ug/L
 RT: 7.05 min Scan# 883
 Delta R.T. -0.00 min
 Lab File: VR026155.D
 Acq: 26 Oct 2018 10:30

Tgt Ion: 128 Resp: 69418
 Ion Ratio Lower Upper
 128 100
 49 215.9 146.2 271.4
 130 126.3 92.5 171.7
 51 72.0 55.6 83.4





#25

Chloroform

Concen: 4.683 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.01 min

Lab File: VR026155.D

Acq: 26 Oct 2018 10:30

Instrument :

MSVOA_R

ClientSampleId :

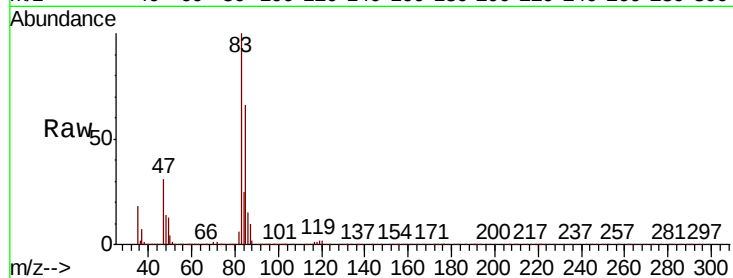
BFB94

Tgt Ion: 83 Resp: 490142

Ion Ratio Lower Upper

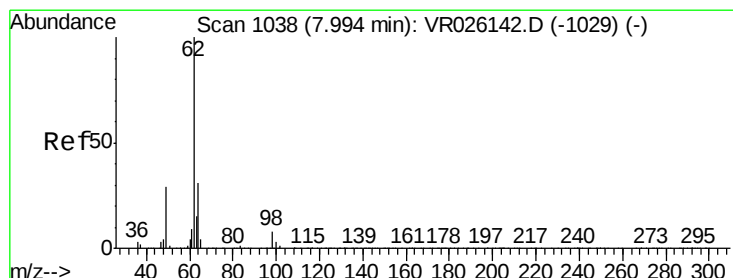
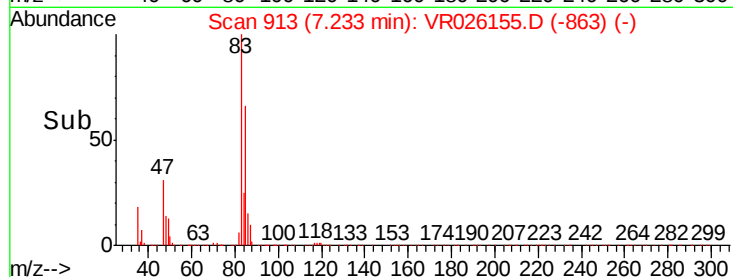
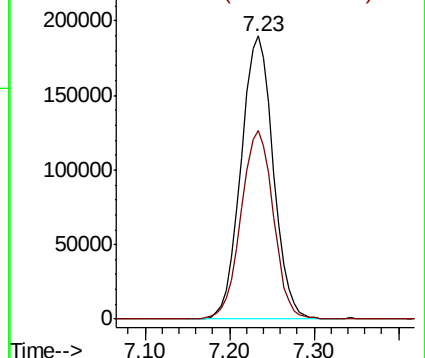
83 100

85 66.5 43.5 80.7



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 4.188 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VR026155.D

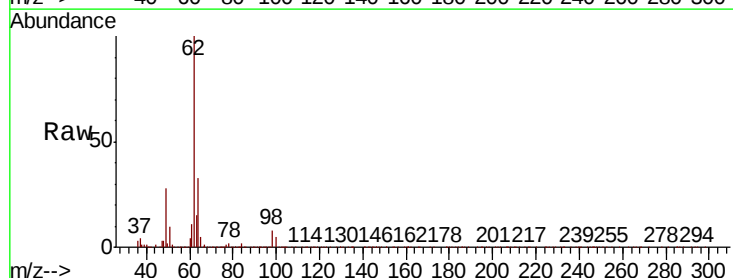
Acq: 26 Oct 2018 10:30

Tgt Ion: 62 Resp: 214579

Ion Ratio Lower Upper

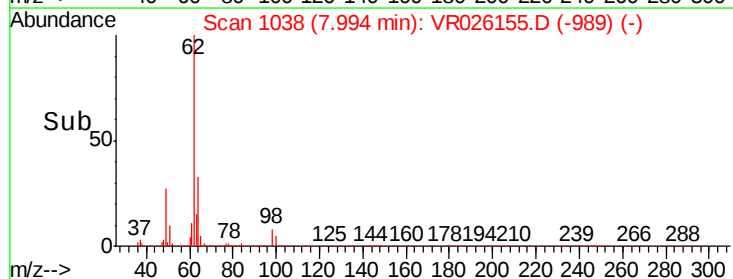
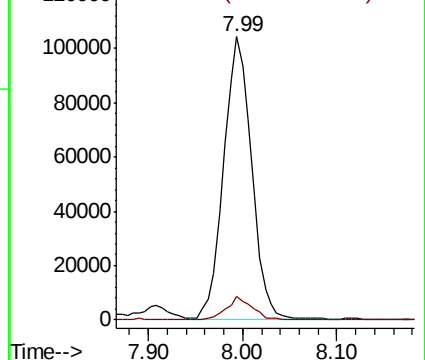
62 100

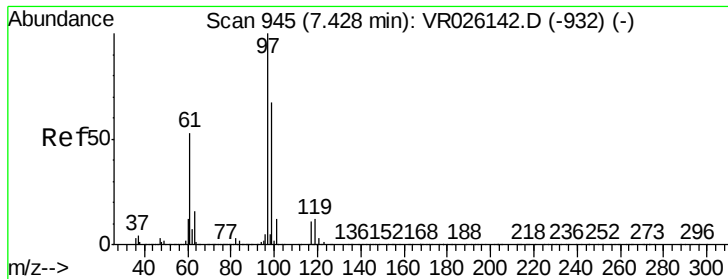
98 8.5 5.6 8.4#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

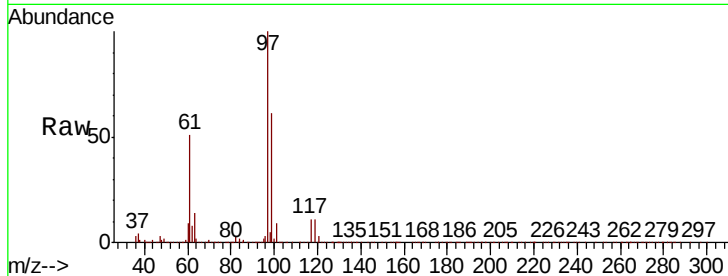




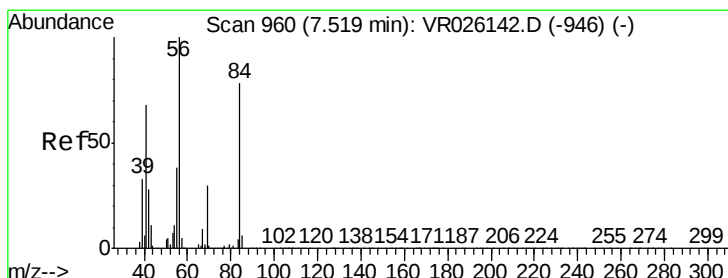
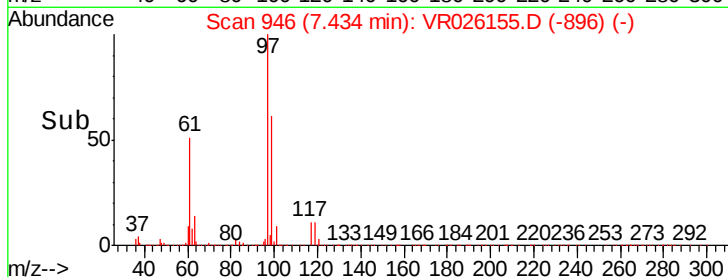
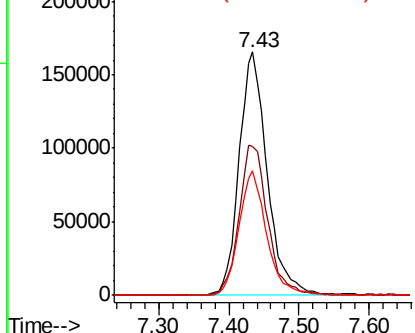
#29
 1,1,1-Trichloroethane
 Concen: 5.190 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VR026155.D
 Acq: 26 Oct 2018 10:30

Instrument :
 MSVOA_R
 ClientSampled :
 BFB94

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.1	76.7
61	50.6	42.1	63.1

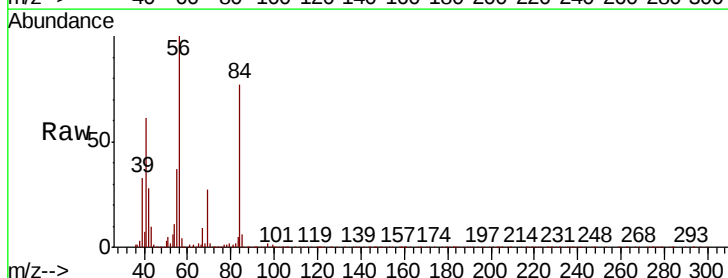


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

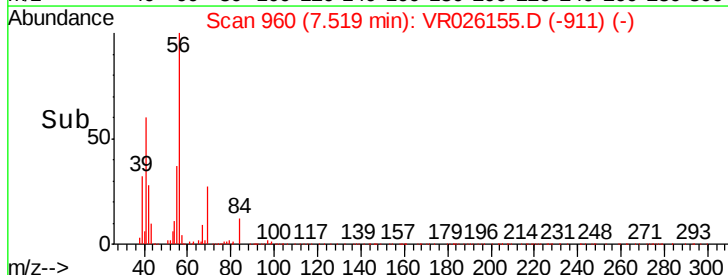
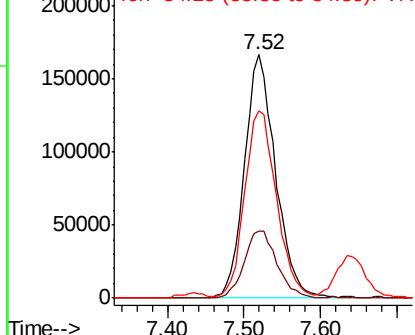


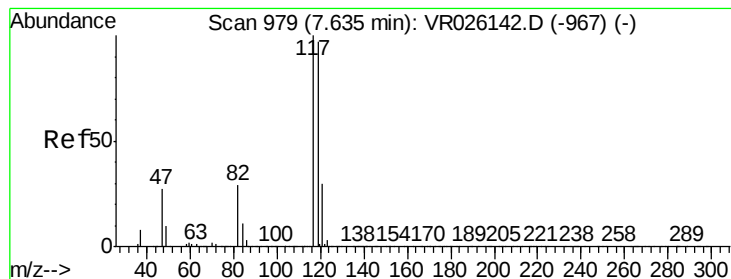
#30
 Cyclohexane
 Concen: 5.253 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. -0.00 min
 Lab File: VR026155.D
 Acq: 26 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.8	35.8
84	78.9	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: 5.083 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR026155.D

Acq: 26 Oct 2018 10:30

Instrument :

MSVOA_R

ClientSampleId :

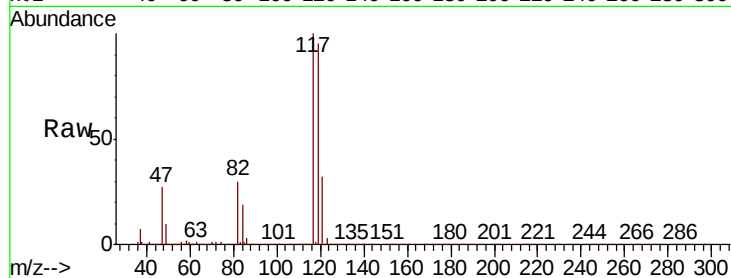
BFB94

Tgt Ion:117 Resp: 410575

Ion Ratio Lower Upper

117 100

119 95.4 74.2 111.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

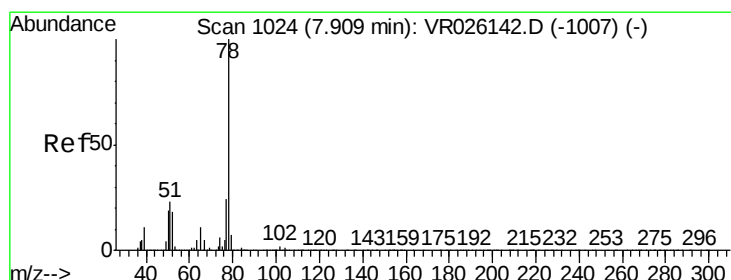
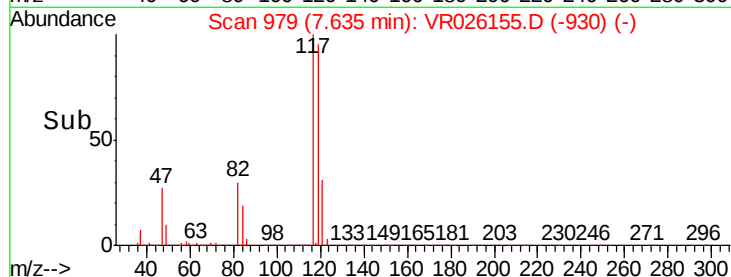
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 4.709 ug/L

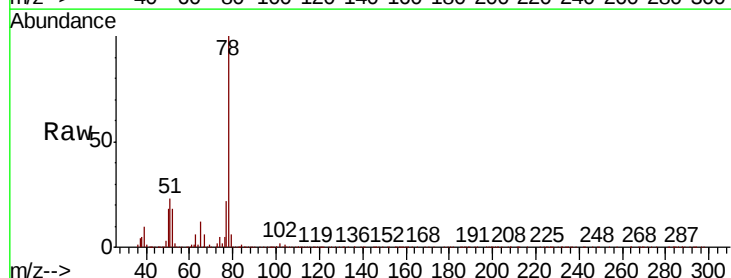
RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

Lab File: VR026155.D

Acq: 26 Oct 2018 10:30

Tgt Ion: 78 Resp: 1148712



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91

600000

500000

400000

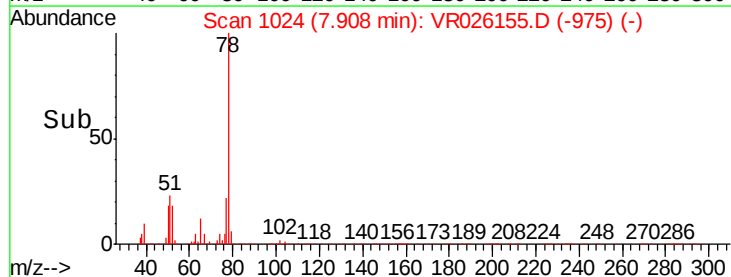
300000

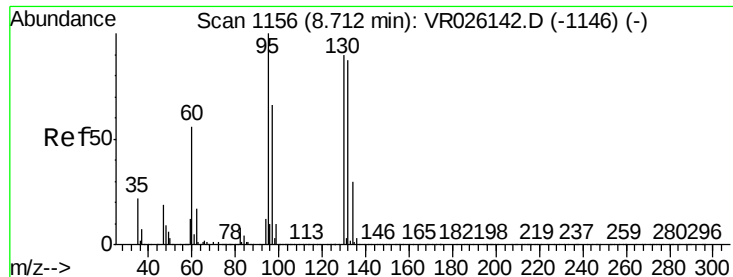
200000

100000

0

Time-->

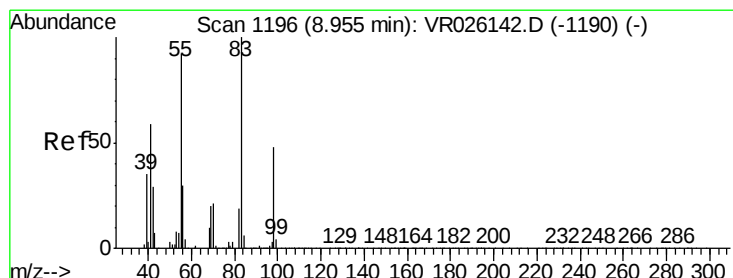
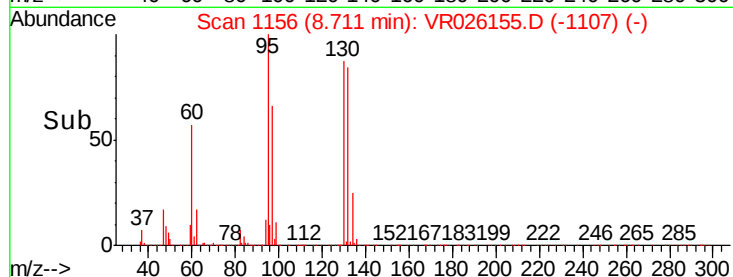
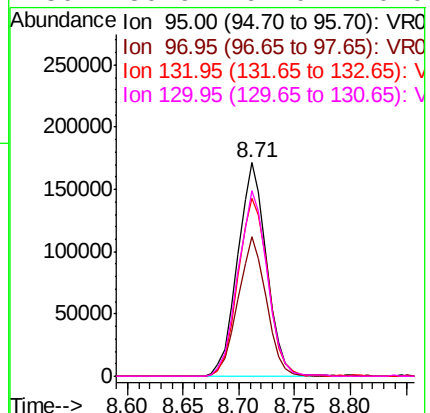
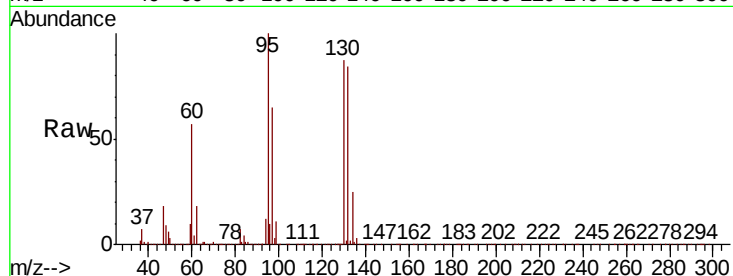




#34
 Trichloroethene
 Concen: 4.920 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VR026155.D
 Acq: 26 Oct 2018 10:30

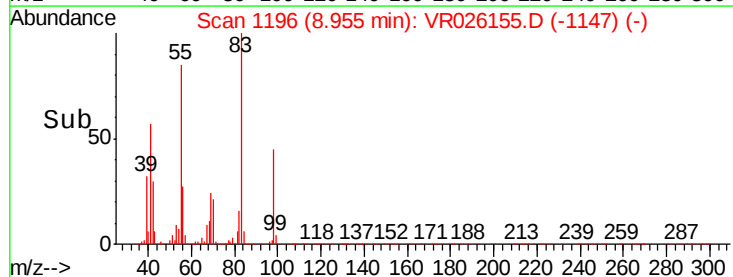
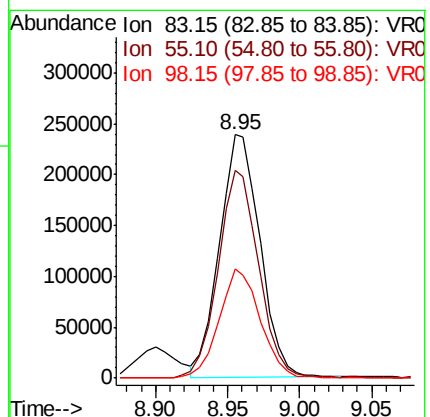
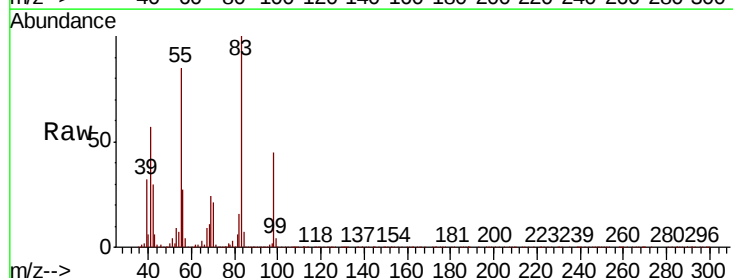
Instrument :
 MSVOA_R
 ClientSampled :
 BFB94

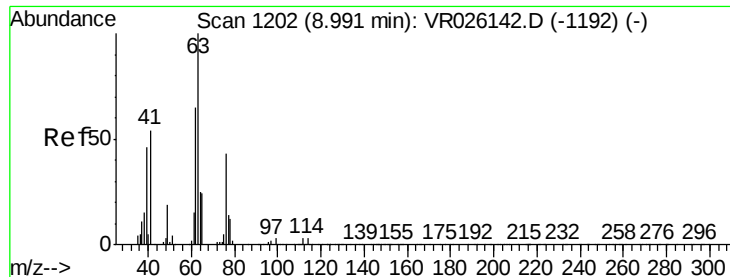
Tgt Ion:	95	Resp:	307191
Ion	Ratio	Lower	Upper
95	100		
97	65.5	45.7	84.9
132	83.6	58.3	108.3
130	86.6	64.0	119.0



#35
 Methylcyclohexane
 Concen: 5.023 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR026155.D
 Acq: 26 Oct 2018 10:30

Tgt Ion:	83	Resp:	466901
Ion	Ratio	Lower	Upper
83	100		
55	85.7	66.8	100.2
98	46.0	35.2	52.8

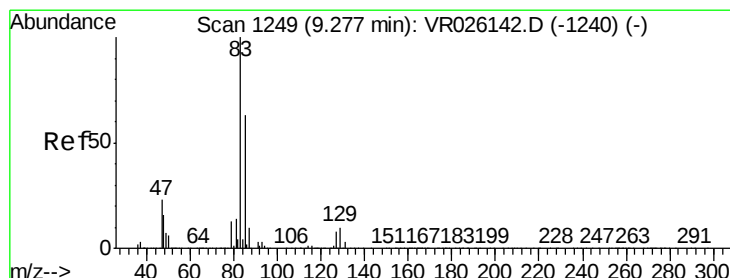
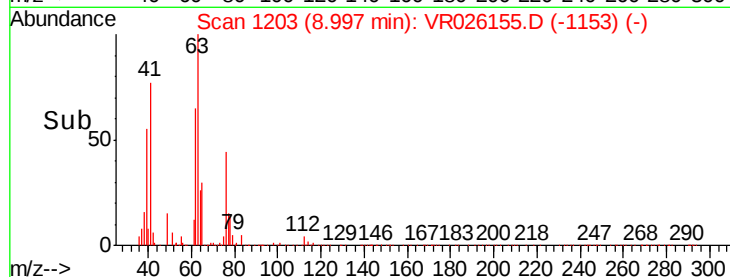
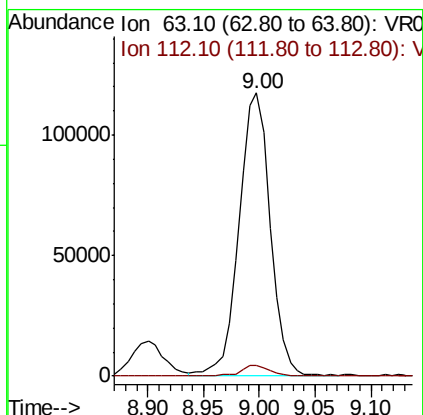
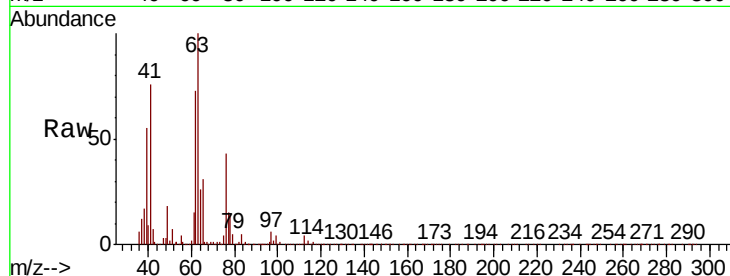




#37
1,2-Dichloropropane
Concen: 4.424 ug/L
RT: 9.00 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VR026155.D
Acq: 26 Oct 2018 10:30

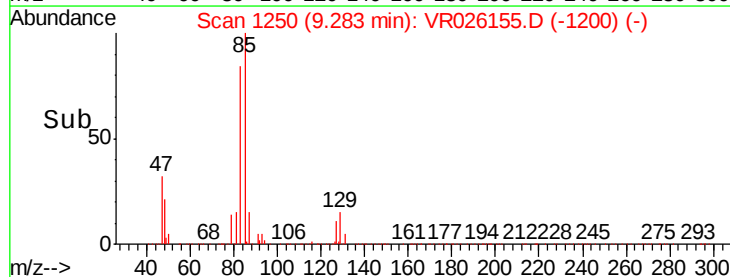
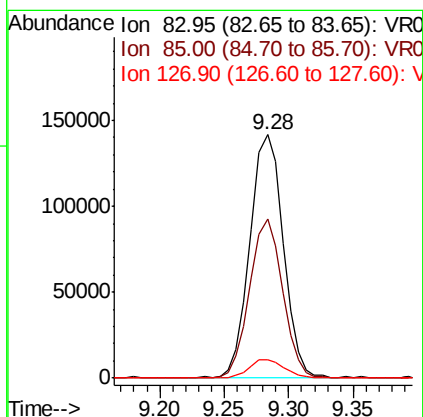
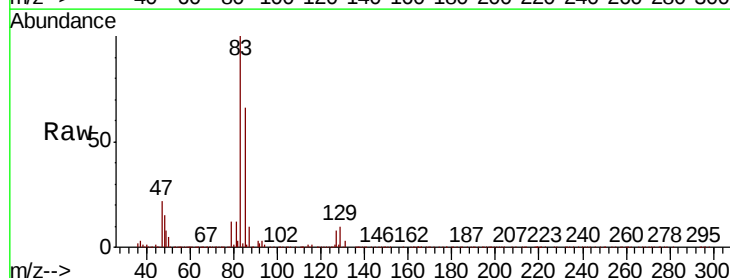
Instrument :
MSVOA_R
ClientSampled :
BFB94

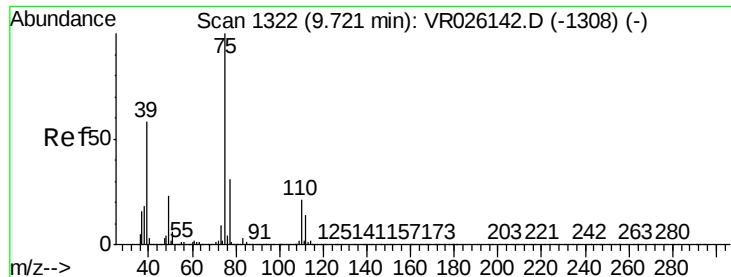
Tgt Ion: 63 Resp: 227668
Ion Ratio Lower Upper
63 100
112 3.8 2.7 4.1



#38
Bromodichloromethane
Concen: 4.582 ug/L
RT: 9.28 min Scan# 1250
Delta R.T. 0.01 min
Lab File: VR026155.D
Acq: 26 Oct 2018 10:30

Tgt Ion: 83 Resp: 253592
Ion Ratio Lower Upper
83 100
85 65.6 43.5 80.7
127 7.6 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.640 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VR026155.D

Acq: 26 Oct 2018 10:30

Instrument :

MSVOA_R

ClientSampleId :

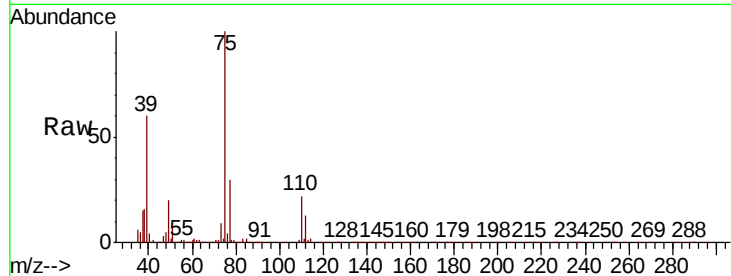
BFB94

Tgt Ion: 75 Resp: 273292

Ion Ratio Lower Upper

75 100

77 29.6 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

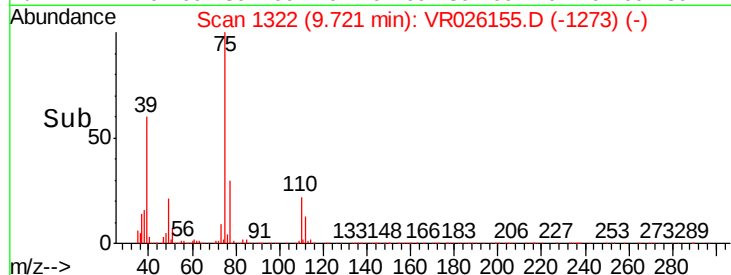
150000

100000

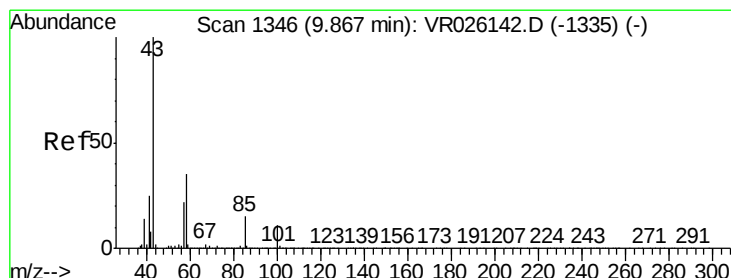
50000

0

9.60 9.70 9.80



Time-->



#40

4-Methyl-2-pentanone

Concen: 41.390 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VR026155.D

Acq: 26 Oct 2018 10:30

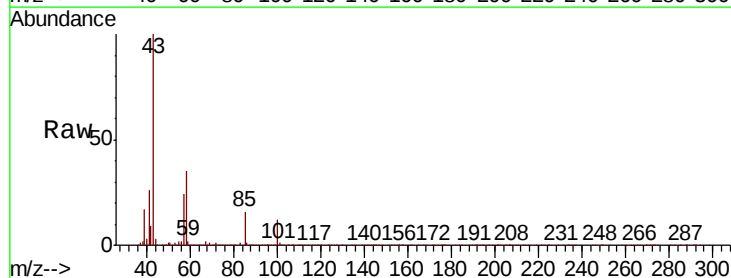
Tgt Ion: 43 Resp: 650530

Ion Ratio Lower Upper

43 100

58 35.2 28.1 42.1

100 11.6 9.3 13.9



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

500000

400000

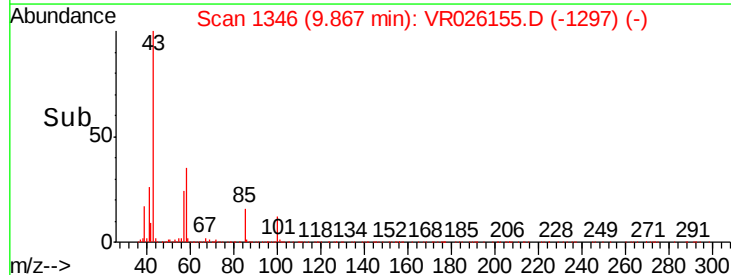
300000

200000

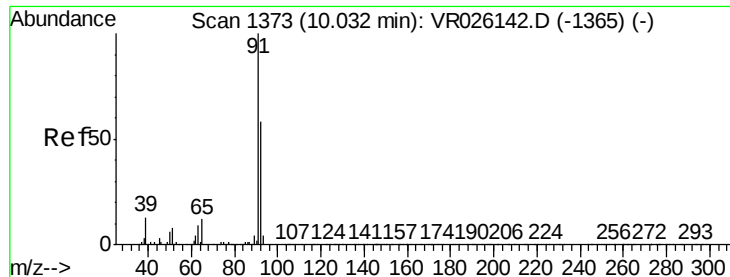
100000

0

9.80 9.90



Time-->



#42

Toluene

Concen: 4.632 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR026155.D

Acq: 26 Oct 2018 10:30

Instrument :

MSVOA_R

ClientSampleId :

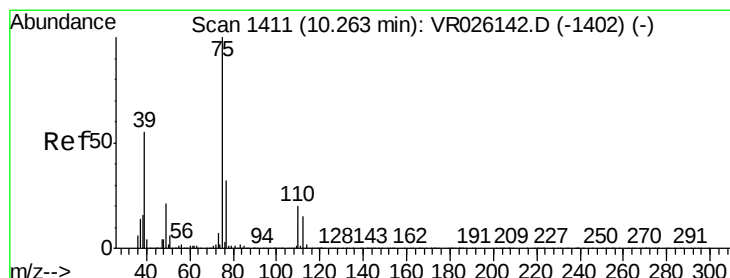
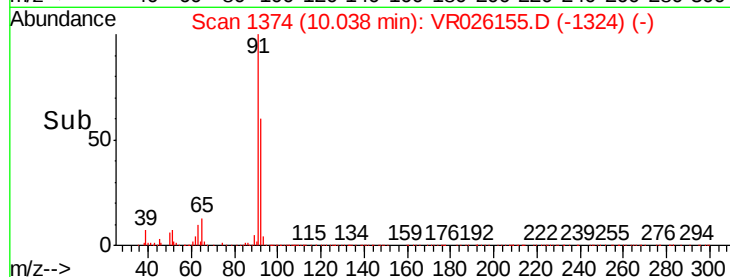
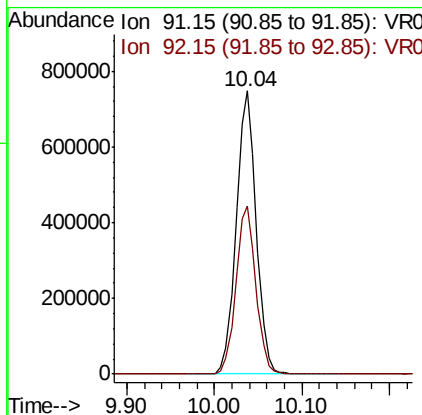
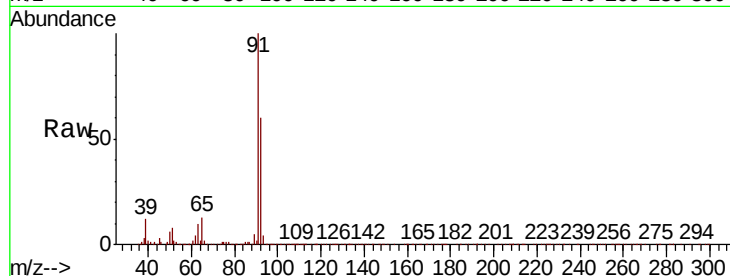
BFB94

Tgt Ion: 91 Resp: 1192531

Ion Ratio Lower Upper

91 100

92 59.6 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.610 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026155.D

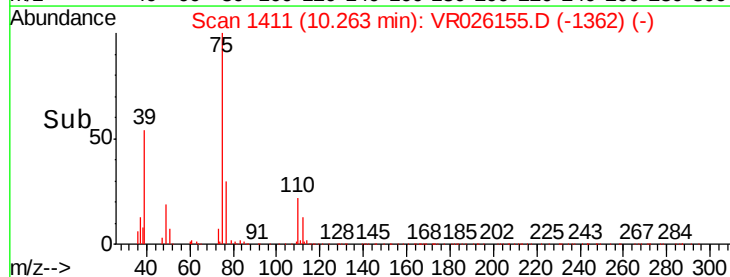
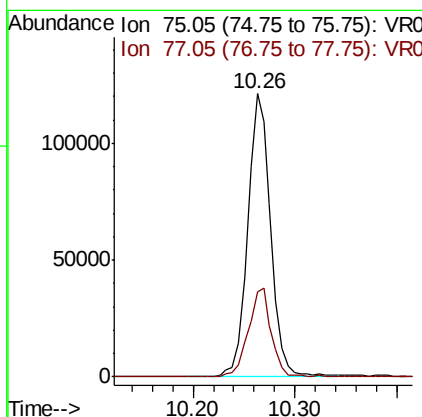
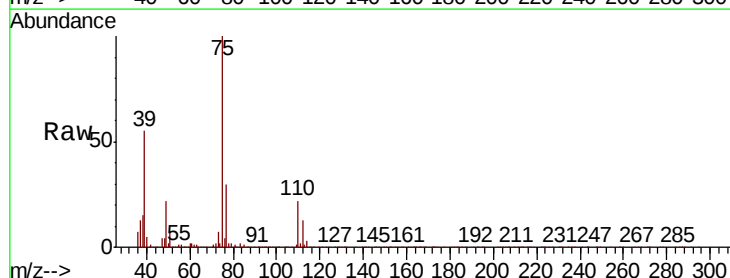
Acq: 26 Oct 2018 10:30

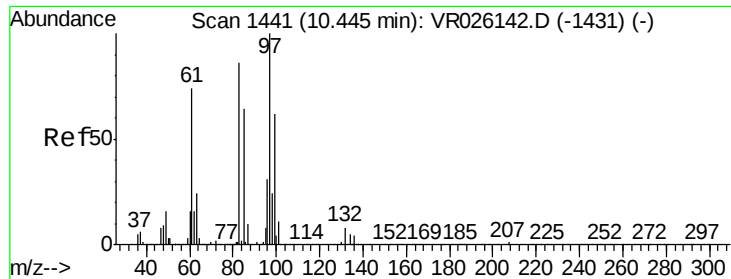
Tgt Ion: 75 Resp: 189724

Ion Ratio Lower Upper

75 100

77 30.1 24.1 44.7

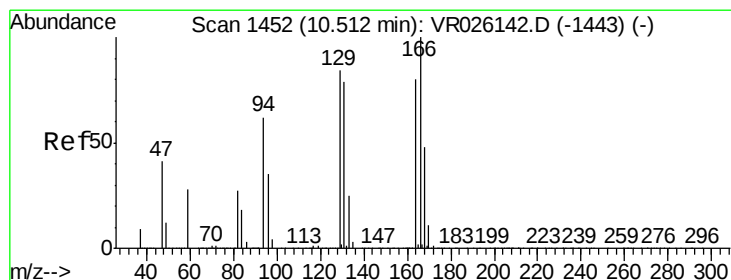
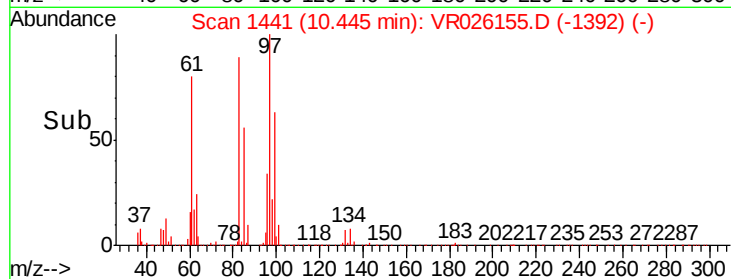
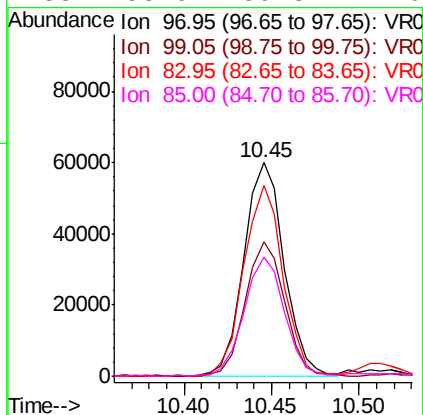
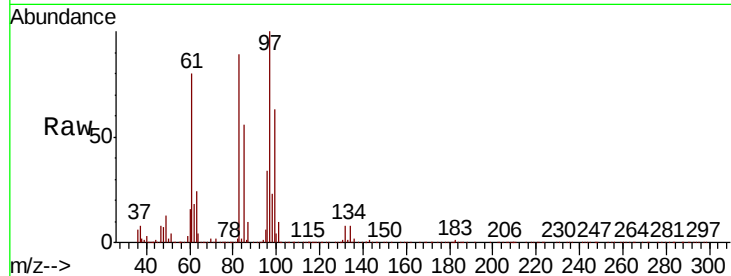




#45
 1,1,2-Trichloroethane
 Concen: 4.384 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026155.D
 Acq: 26 Oct 2018 10:30

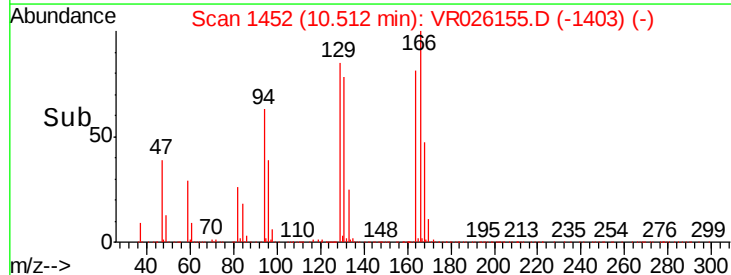
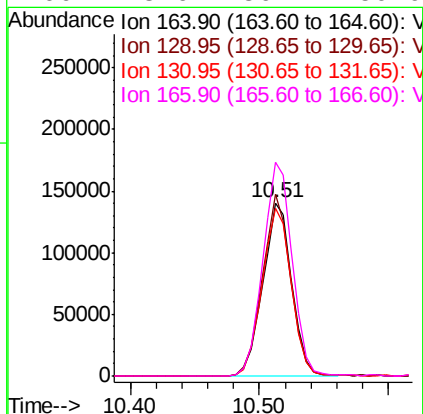
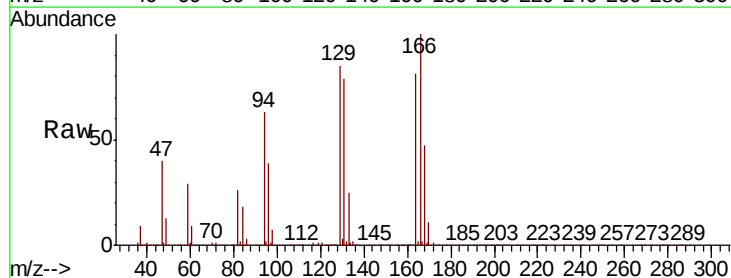
Instrument :
 MSVOA_R
 ClientSampleId :
 BFB94

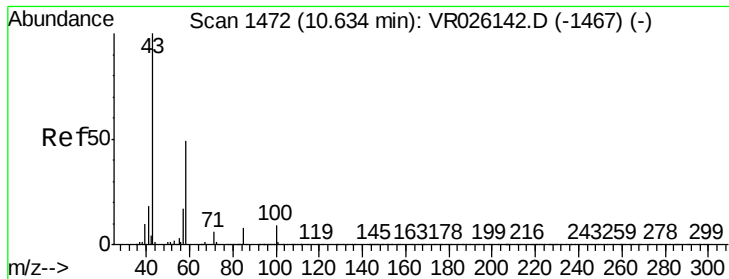
Tgt Ion:	97	Resp:	95158
Ion	Ratio	Lower	Upper
97	100		
99	62.8	42.8	79.4
83	89.3	61.9	114.9
85	55.9	39.3	72.9



#47
 Tetrachloroethene
 Concen: 4.862 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026155.D
 Acq: 26 Oct 2018 10:30

Tgt Ion:	164	Resp:	216751
Ion	Ratio	Lower	Upper
164	100		
129	104.9	70.3	130.5
131	97.1	67.3	125.1
166	123.6	86.1	159.9

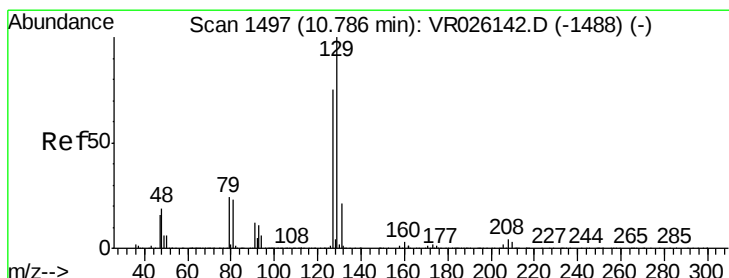
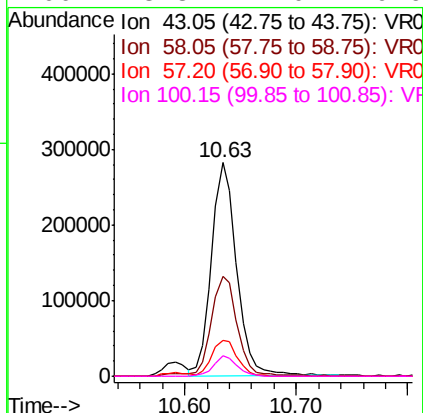
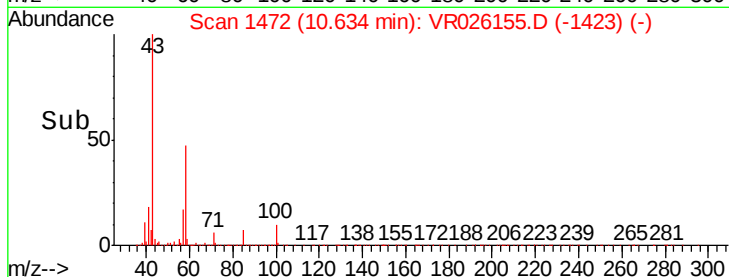
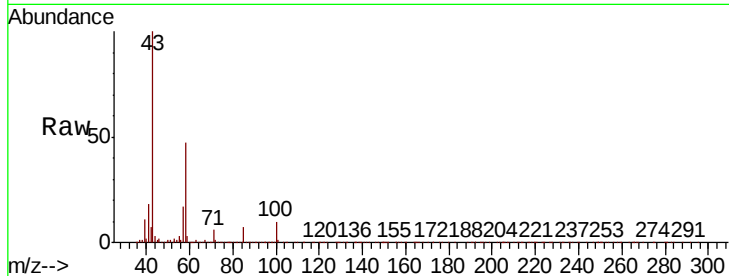




#48
2-Hexanone
Concen: 42.906 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026155.D
Acq: 26 Oct 2018 10:30

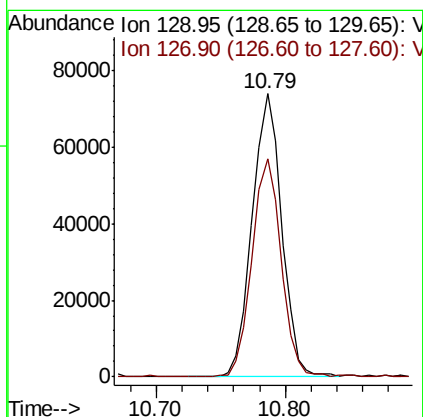
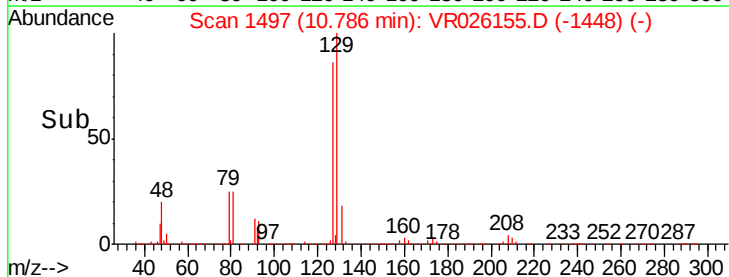
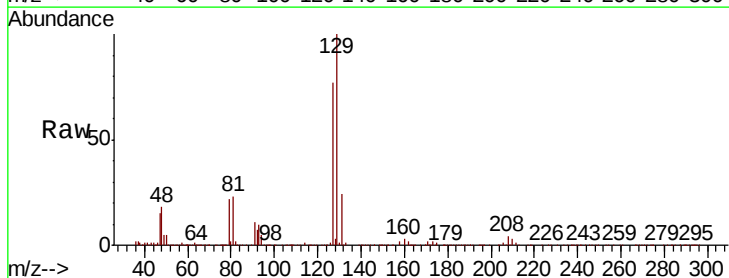
Instrument :
MSVOA_R
ClientSampleId :
BFB94

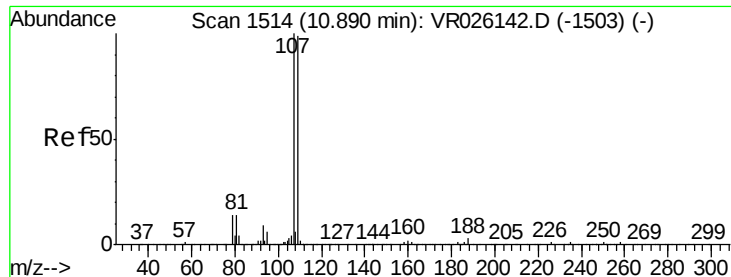
Tgt Ion: 43 Resp: 440443
Ion Ratio Lower Upper
43 100
58 49.5 39.6 59.4
57 17.4 14.0 21.0
100 8.8 7.0 10.6



#49
Dibromochloromethane
Concen: 4.763 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026155.D
Acq: 26 Oct 2018 10:30

Tgt Ion: 129 Resp: 116357
Ion Ratio Lower Upper
129 100
127 77.2 55.0 102.2

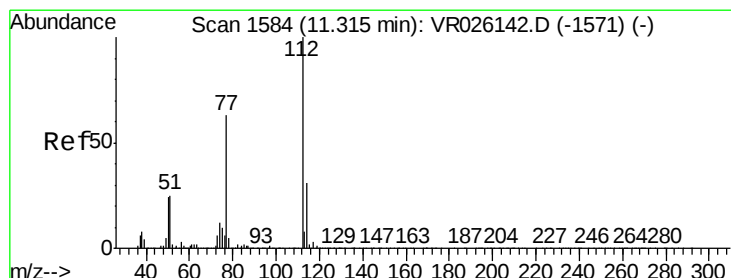
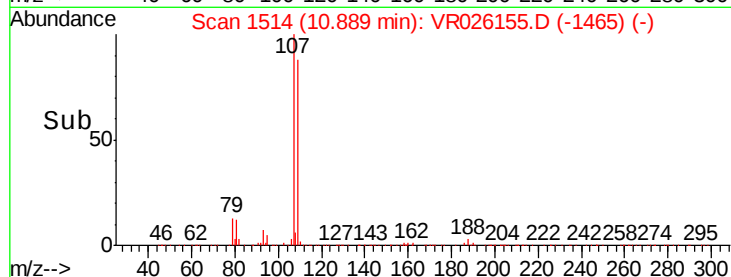
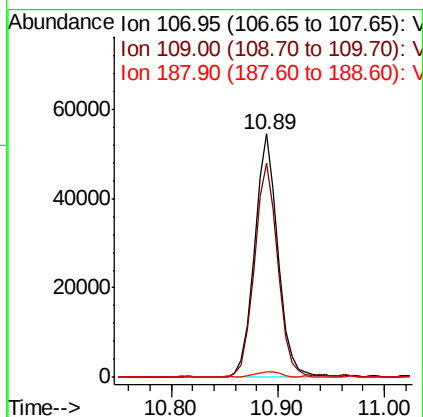
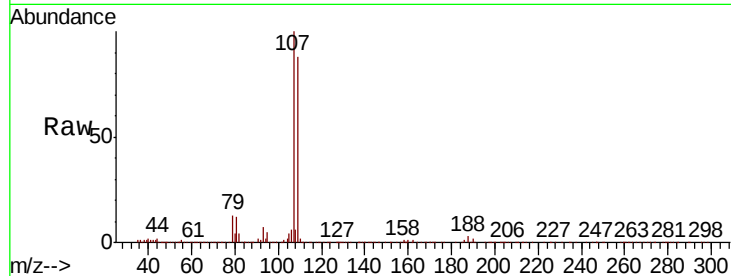




#50
1,2-Dibromoethane
Concen: 4.466 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026155.D
Acq: 26 Oct 2018 10:30

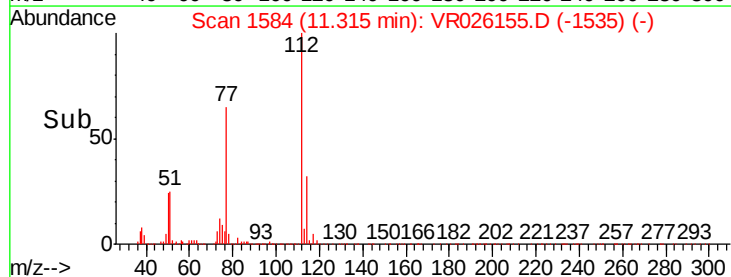
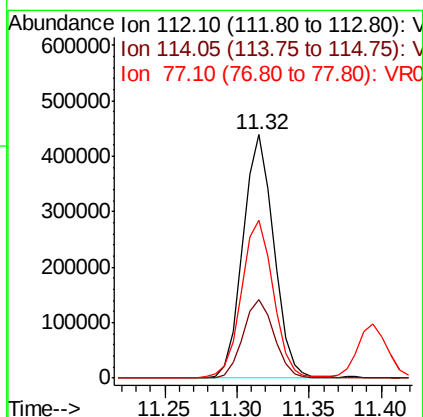
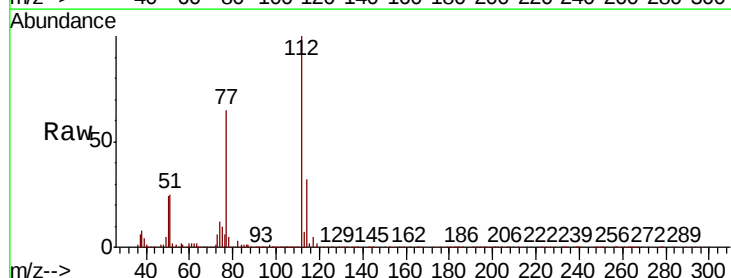
Instrument :
MSVOA_R
ClientSampleId :
BFB94

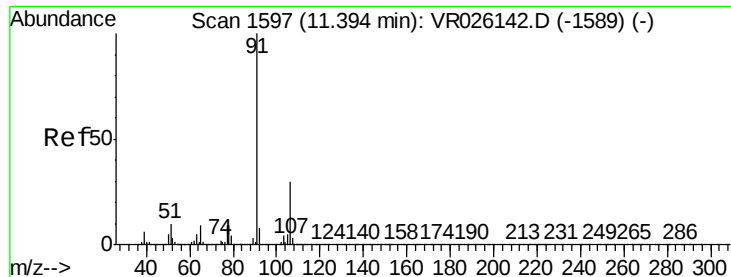
Tgt Ion:107 Resp: 83750
Ion Ratio Lower Upper
107 100
109 88.2 58.7 109.1
188 2.5 2.9 4.3#



#51
Chlorobenzene
Concen: 4.563 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026155.D
Acq: 26 Oct 2018 10:30

Tgt Ion:112 Resp: 650371
Ion Ratio Lower Upper
112 100
114 32.0 22.8 42.4
77 64.8 51.5 77.3





#52

Ethylbenzene

Concen: 4.875 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026155.D

Acq: 26 Oct 2018 10:30

Instrument :

MSVOA_R

ClientSampleID :

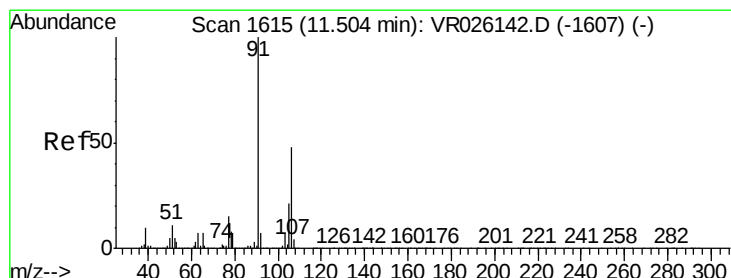
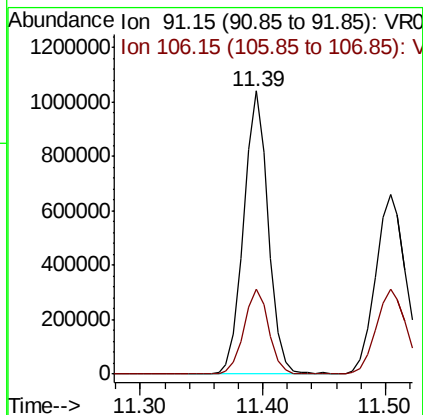
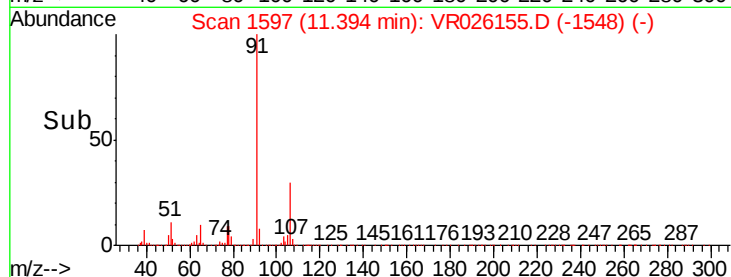
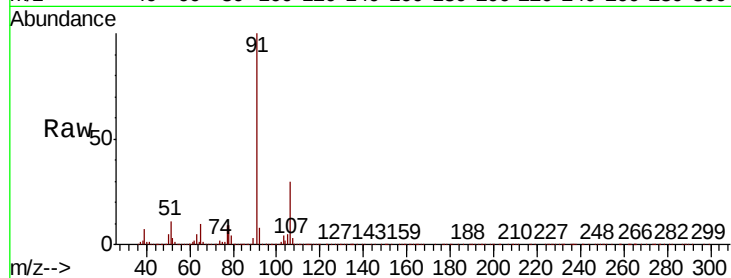
BFB94

Tgt Ion: 91 Resp: 1443115

Ion Ratio Lower Upper

91 100

106 29.9 21.2 39.4



#53

m,p-Xylene

Concen: 4.921 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026155.D

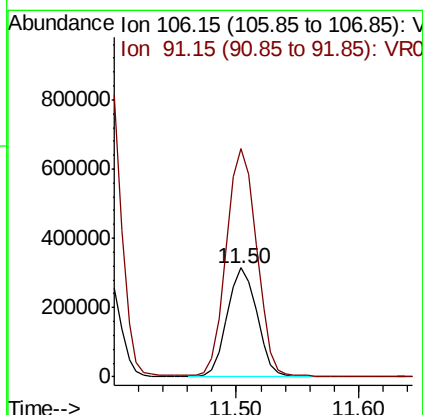
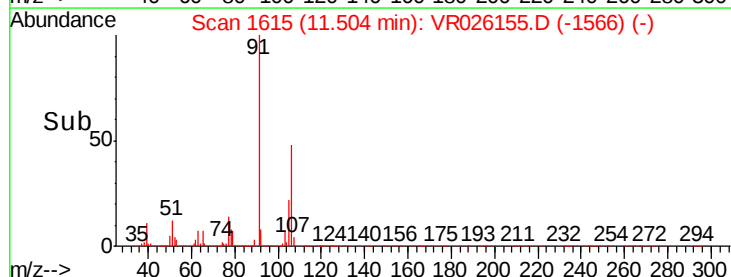
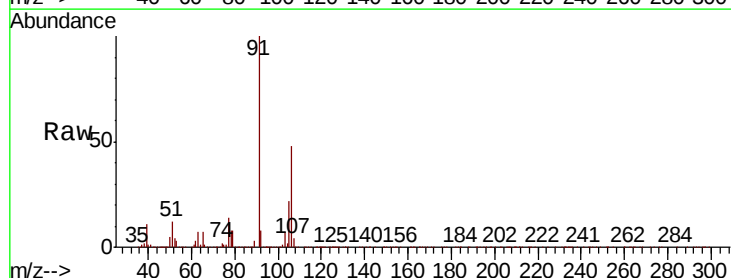
Acq: 26 Oct 2018 10:30

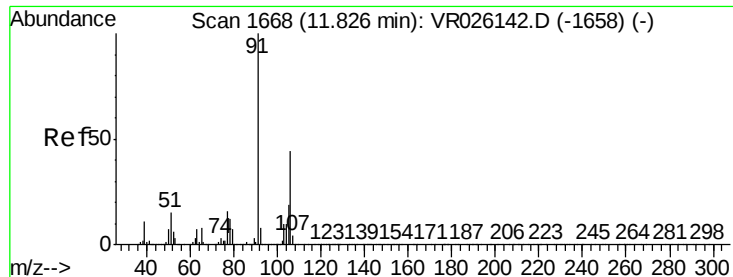
Tgt Ion: 106 Resp: 530855

Ion Ratio Lower Upper

106 100

91 210.0 145.3 269.8

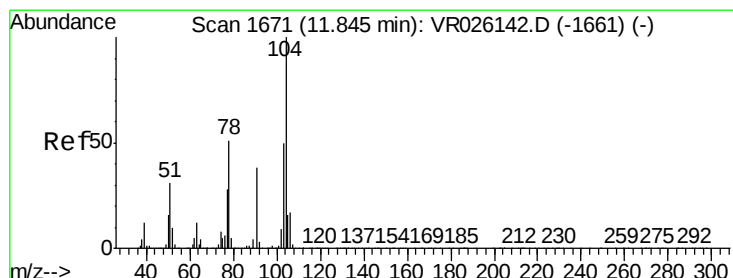
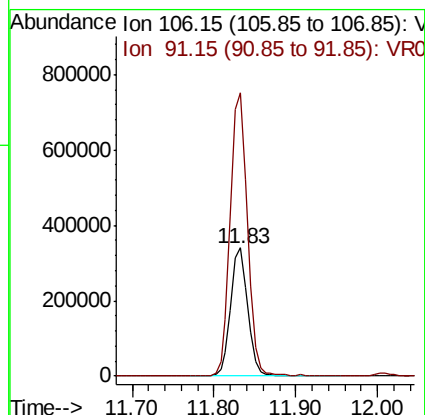
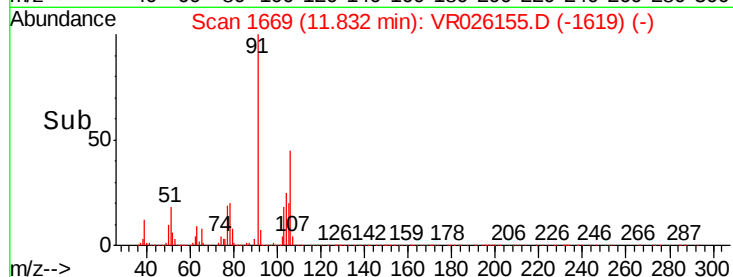
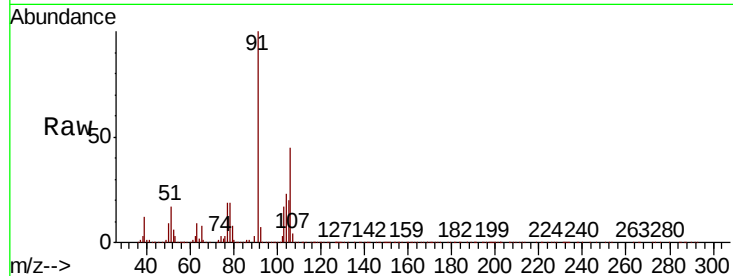




#54
o-Xylene
Concen: 4.926 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR026155.D
Acq: 26 Oct 2018 10:30

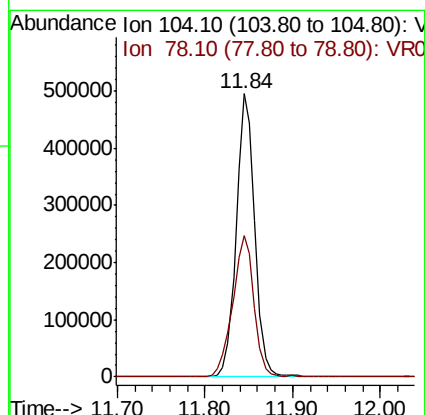
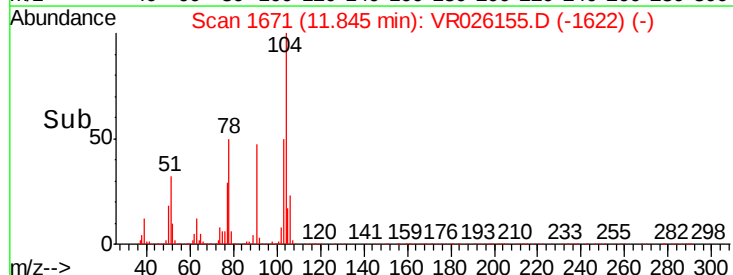
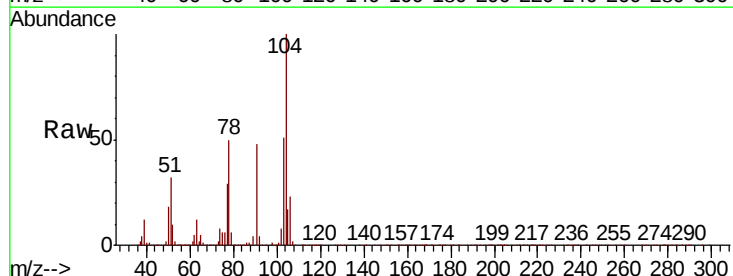
Instrument :
MSVOA_R
ClientSampleId :
BFB94

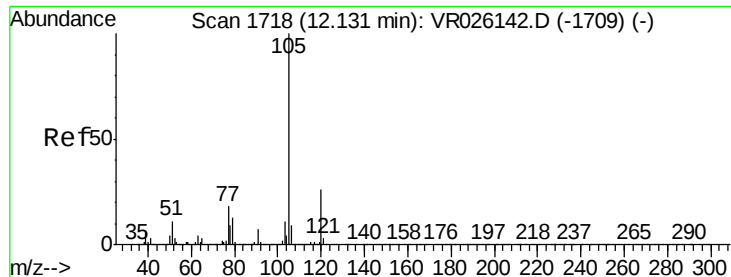
Tgt Ion:106 Resp: 487146
Ion Ratio Lower Upper
106 100
91 221.0 155.8 289.3



#55
Styrene
Concen: 4.821 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026155.D
Acq: 26 Oct 2018 10:30

Tgt Ion:104 Resp: 733784
Ion Ratio Lower Upper
104 100
78 49.9 34.7 64.5





#56

Isopropylbenzene

Concen: 5.187 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026155.D

Acq: 26 Oct 2018 10:30

Instrument :

MSVOA_R

ClientSampled :

BFB94

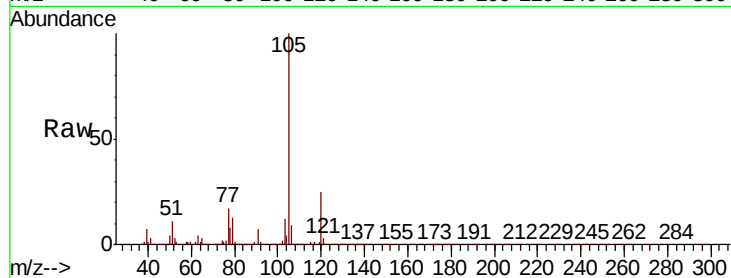
Tgt Ion:105 Resp: 1424707

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

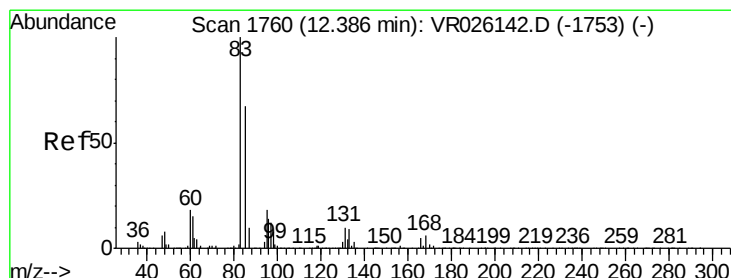
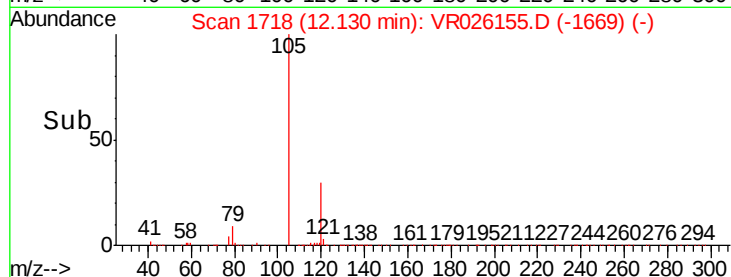
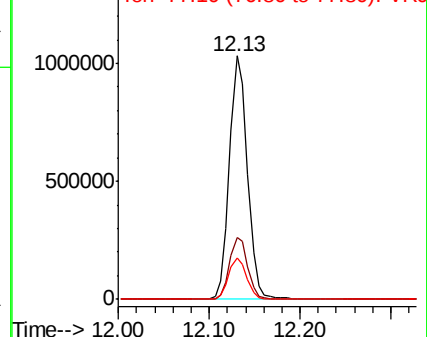
77 17.5 14.6 21.8



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: 4.318 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026155.D

Acq: 26 Oct 2018 10:30

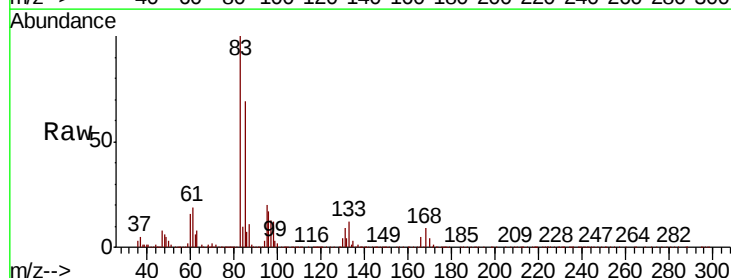
Tgt Ion: 83 Resp: 95275

Ion Ratio Lower Upper

83 100

85 68.8 44.0 81.8

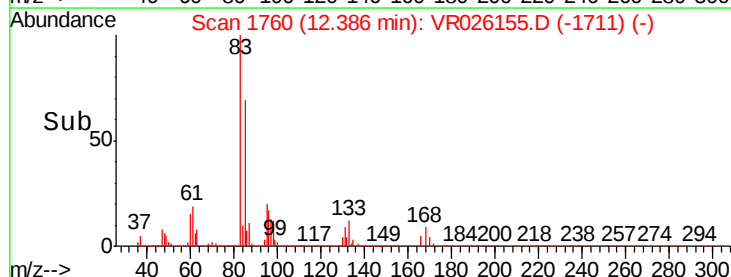
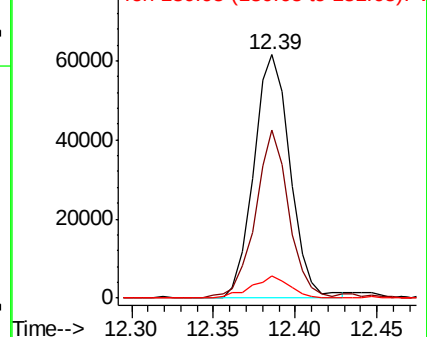
131 9.3 8.0 12.0

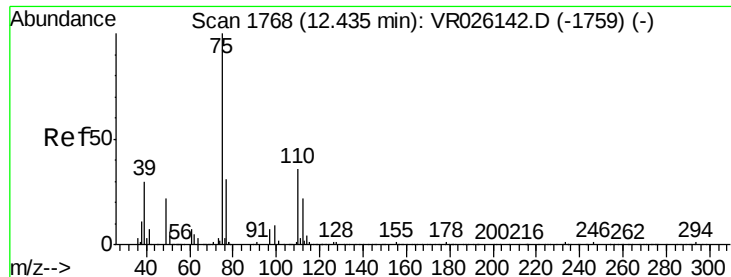


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

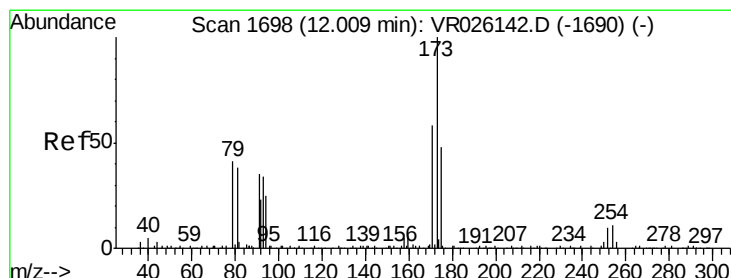
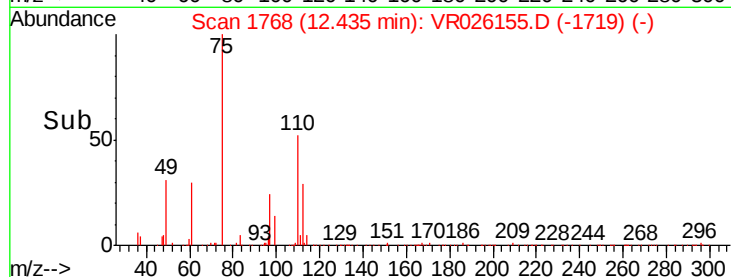
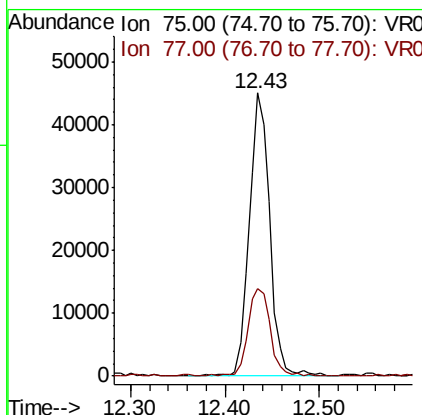
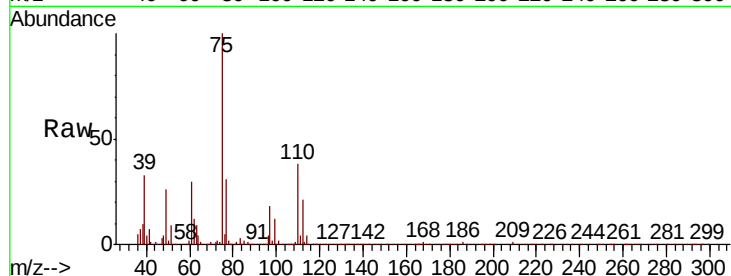




#59
 1,2,3-Trichloropropane
 Concen: 4.246 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: VR026155.D
 Acq: 26 Oct 2018 10:30

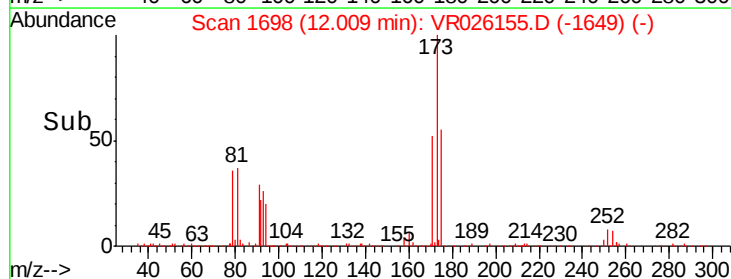
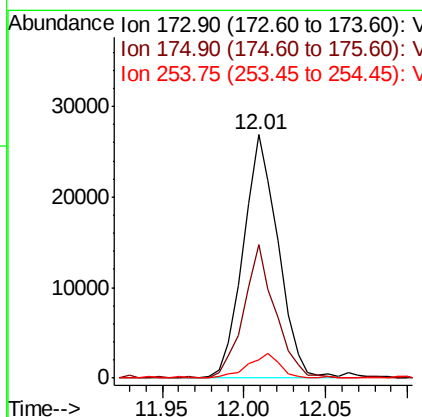
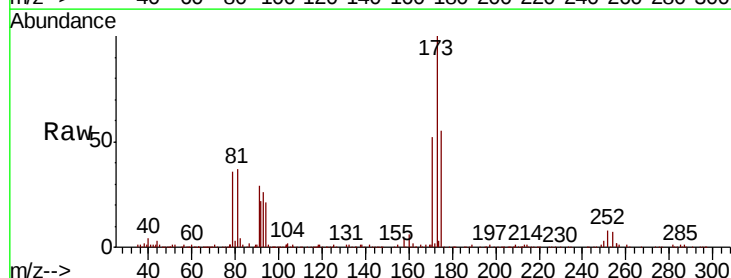
Instrument :
 MSVOA_R
 ClientSampled :
 BFB94

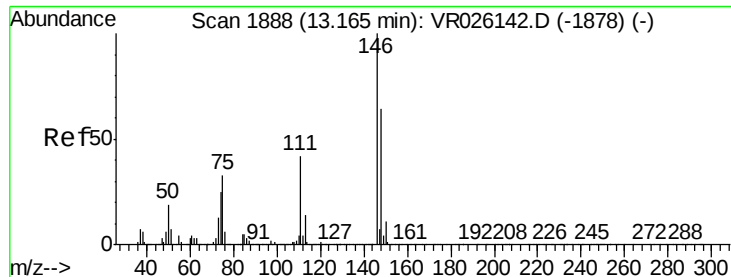
Tgt Ion: 75 Resp: 68773
 Ion Ratio Lower Upper
 75 100
 77 34.0 26.2 39.2



#61
 Bromoform
 Concen: 4.479 ug/L
 RT: 12.01 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VR026155.D
 Acq: 26 Oct 2018 10:30

Tgt Ion: 173 Resp: 39971
 Ion Ratio Lower Upper
 173 100
 175 50.0 39.0 58.4
 254 9.2 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 4.703 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VR026155.D

Acq: 26 Oct 2018 10:30

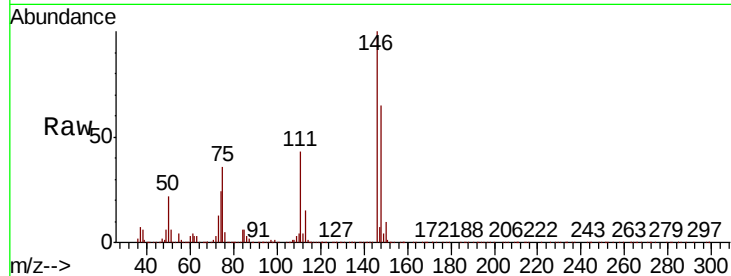
Instrument :

MSVOA_R

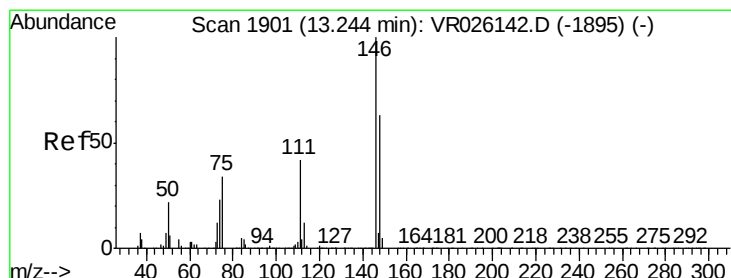
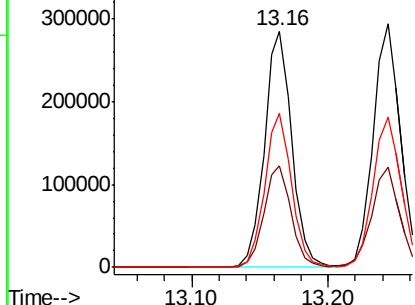
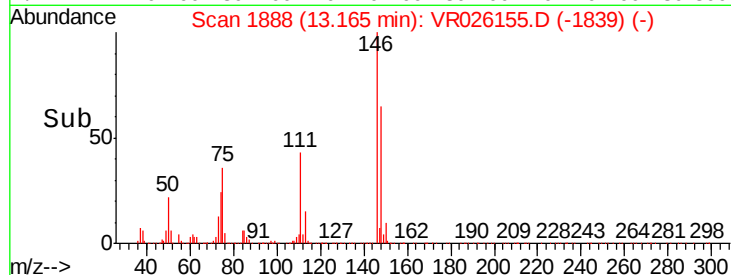
ClientSampleId :

BFB94

Tgt Ion:	146	Resp:	401143
Ion	Ratio	Lower	Upper
146	100		
111	42.7	32.1	59.7
148	65.0	43.8	81.3



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.635 ug/L

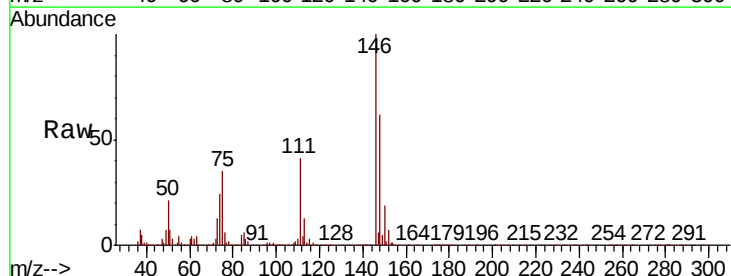
RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

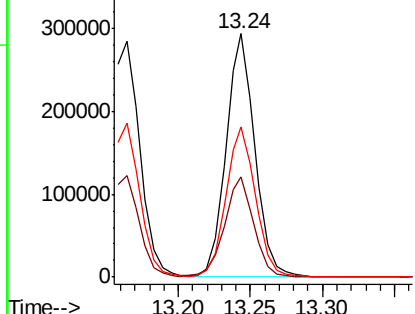
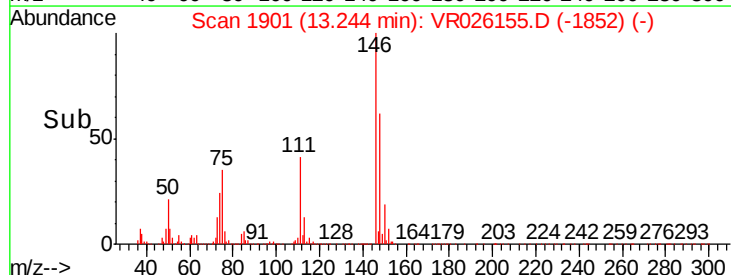
Lab File: VR026155.D

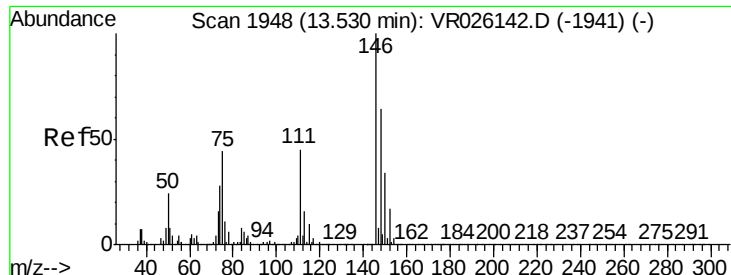
Acq: 26 Oct 2018 10:30

Tgt Ion:	146	Resp:	409425
Ion	Ratio	Lower	Upper
146	100		
111	41.0	32.6	60.6
148	61.9	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

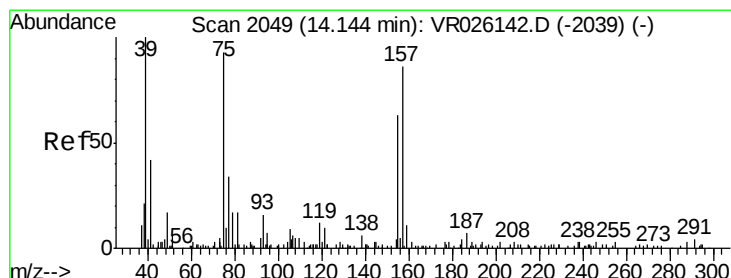
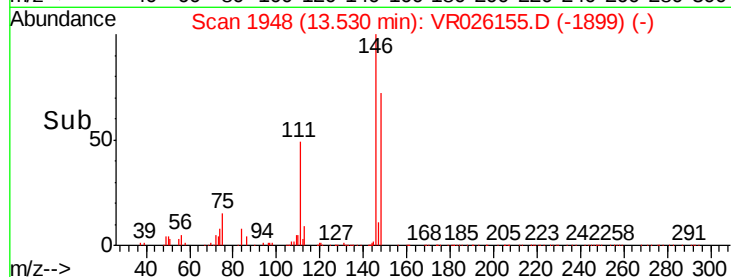
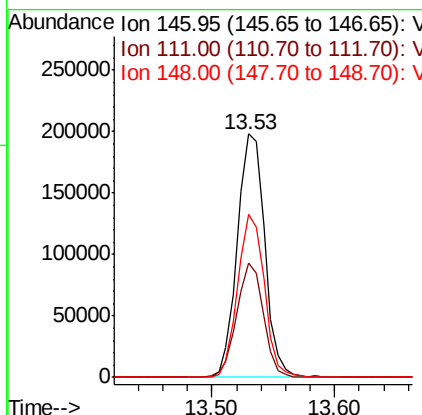
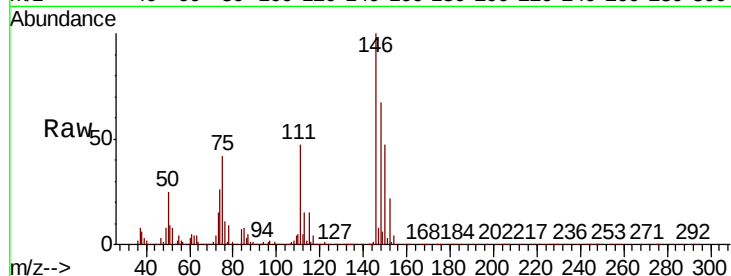




#65
 1,2-Dichlorobenzene
 Concen: 4.481 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026155.D
 Acq: 26 Oct 2018 10:30

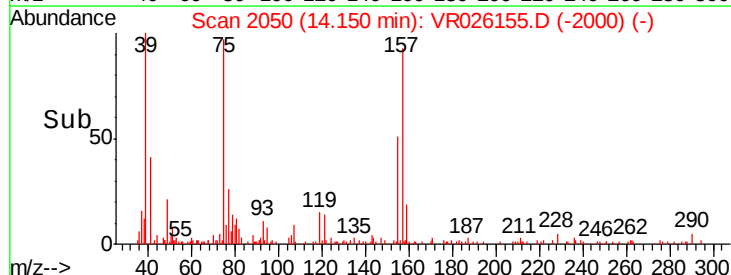
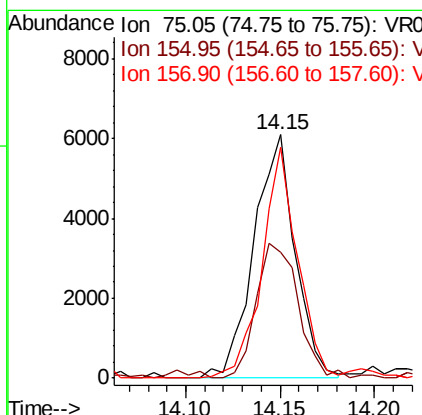
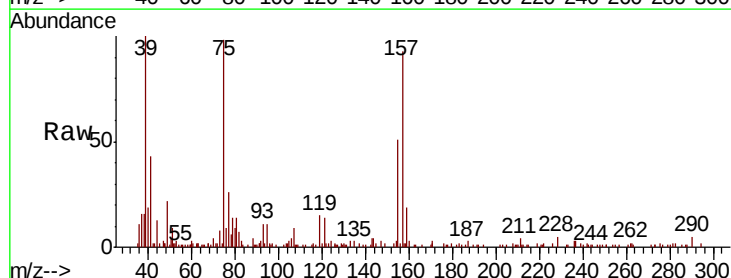
Instrument :
 MSVOA_R
 ClientSampled :
 BFB94

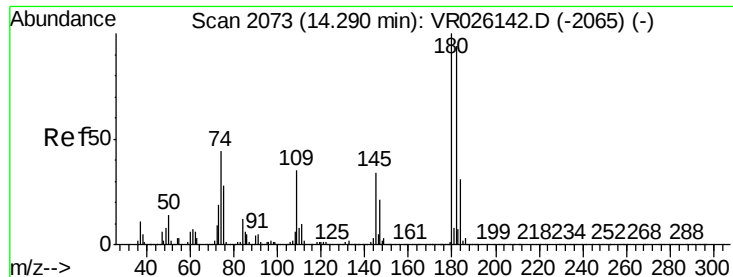
Tgt Ion: 146 Resp: 306747
 Ion Ratio Lower Upper
 146 100
 111 47.0 35.2 52.8
 148 66.7 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.305 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VR026155.D
 Acq: 26 Oct 2018 10:30

Tgt Ion: 75 Resp: 9219
 Ion Ratio Lower Upper
 75 100
 155 51.7 40.9 61.3
 157 94.6 67.3 100.9

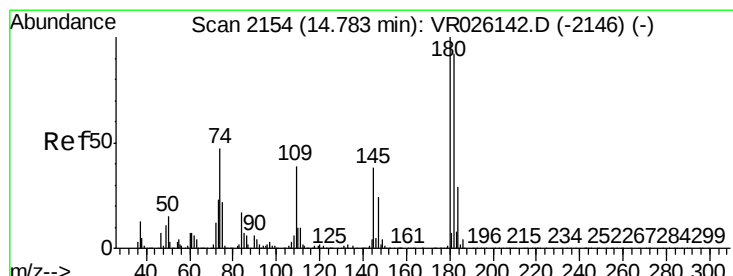
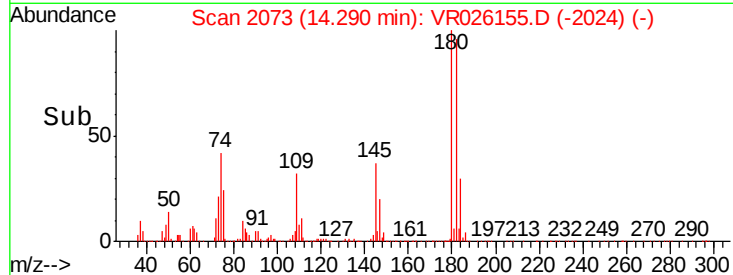
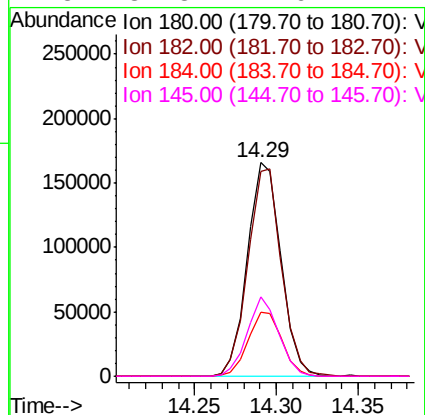
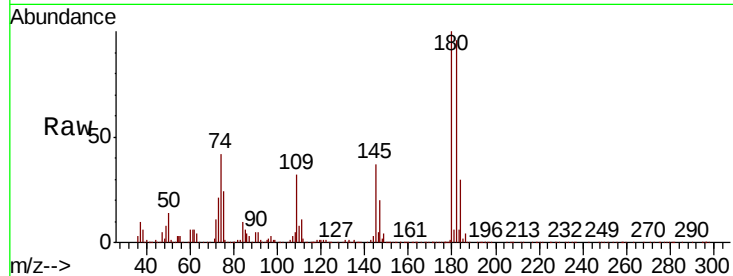




#67
 1,3,5-Trichlorobenzene
 Concen: 4.561 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026155.D
 Acq: 26 Oct 2018 10:30

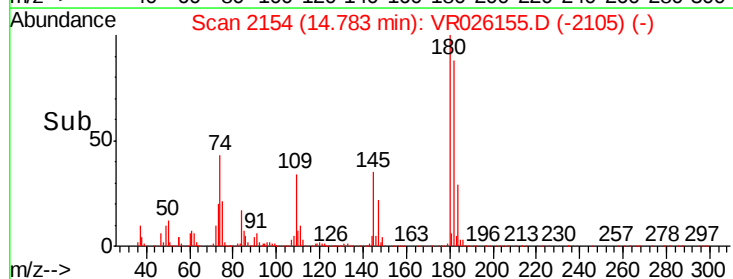
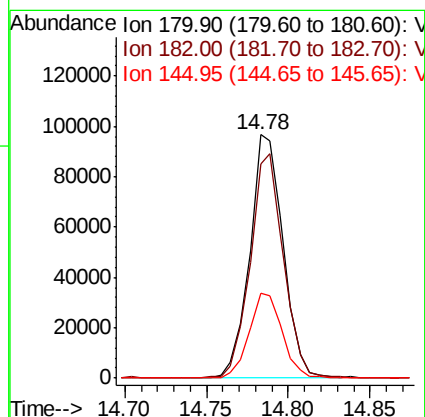
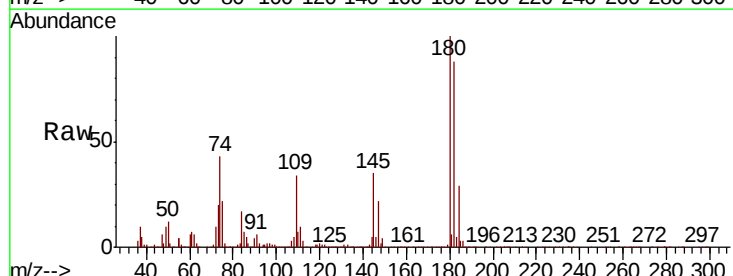
Instrument :
 MSVOA_R
 ClientSampleID :
 BFB94

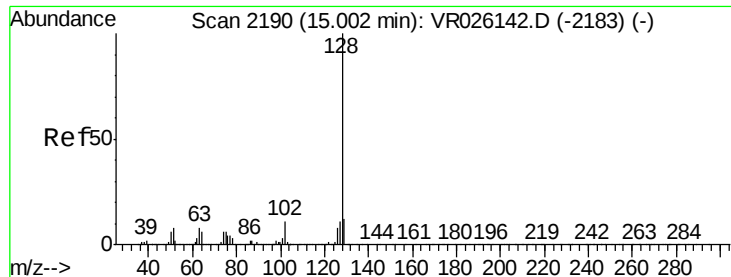
Tgt Ion:	180	Resp:	237046
Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.5	116.3
184	30.4	25.0	37.4
145	34.8	27.6	41.4



#68
 1,2,4-trichlorobenzene
 Concen: 4.501 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR026155.D
 Acq: 26 Oct 2018 10:30

Tgt Ion:	180	Resp:	136552
Ion	Ratio	Lower	Upper
180	100		
182	92.7	76.1	114.1
145	34.9	28.2	42.4





#69

Naphthalene

Concen: 4.259 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026155.D

Acq: 26 Oct 2018 10:30

Instrument :

MSVOA_R

ClientSampled :

BFB94

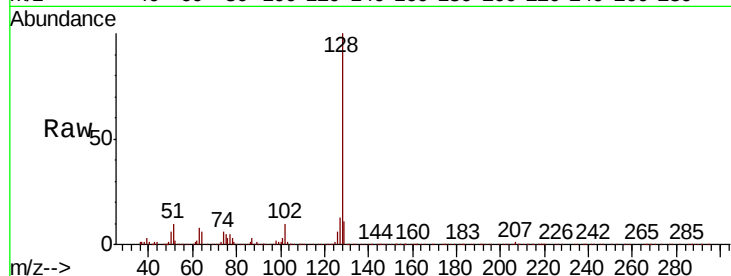
Tgt Ion:128 Resp: 125463

Ion Ratio Lower Upper

128 100

127 13.1 11.0 16.6

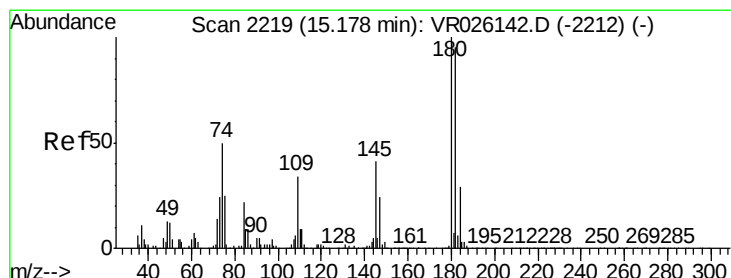
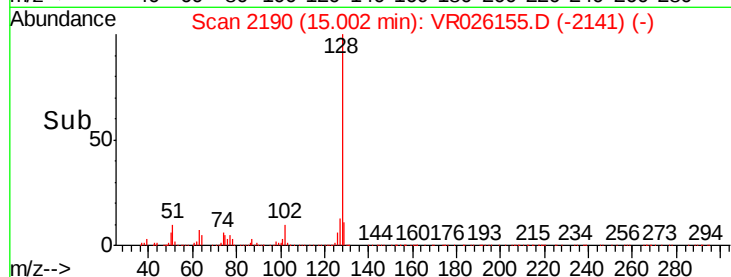
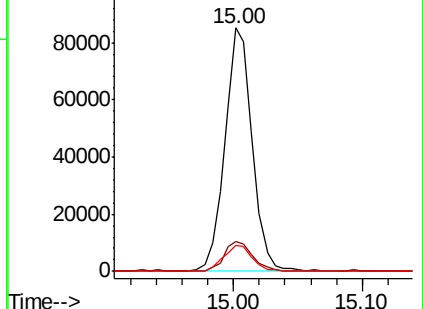
129 11.2 9.1 13.7



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: 4.430 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026155.D

Acq: 26 Oct 2018 10:30

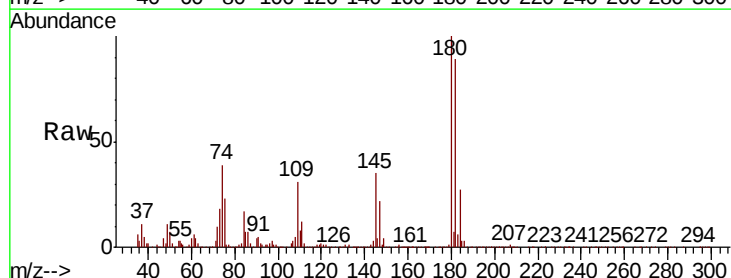
Tgt Ion:180 Resp: 93342

Ion Ratio Lower Upper

180 100

182 94.4 75.7 113.5

145 35.4 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

