

Data File : VR025681.D
Acq On : 7 Sep 2018 9:24
Operator : SY/MD
Sample : VSTD0.591
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.591

Quant Time: Sep 07 11:34:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 07 11:33:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	724425	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	600565	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	216576	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	15180	0.32	ug/L	0.00
7) Chloroethane-d5	2.72	69	809	0.02	ug/L	0.09
11) 1,1-Dichloroethene-d2	3.63	63	49434	0.42	ug/L	0.00
20) 2-Butanone-d5	6.60	46	11610	3.23	ug/L	0.00
24) Chloroform-d	7.20	84	37937	0.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	12906	0.45	ug/L	0.00
32) Benzene-d6	7.86	84	75498	0.38	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	22316	0.45	ug/L	0.00
41) Toluene-d8	9.97	98	68359	0.38	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	5225	0.44	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	8810	2.28	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	10461	0.45	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	16248	0.47	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.94	85	1184	0.030 ug/L	94
3) Chloromethane	2.00	50	26422	0.445 ug/L	98
5) Vinyl chloride	2.16	62	25524	0.439 ug/L	97
6) Bromomethane	2.52	94	19729	0.499 ug/L	83
8) Chloroethane	2.66	64	16902	0.473 ug/L	90
9) Trichlorofluoromethane	2.94	101	23429	0.278 ug/L #	60
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	25028	0.487 ug/L	93
12) 1,1-Dichloroethene	3.66	96	28889	0.508 ug/L #	74
13) Acetone	3.70	43	12037	5.377 ug/L	99
14) Carbon disulfide	3.95	76	60008	0.405 ug/L	96
15) Methyl Acetate	4.19	43	4819	0.569 ug/L #	56
16) Methylene chloride	4.40	84	28320	0.555 ug/L	81
17) Methyl tert-butyl Ether	4.90	73	26621	0.456 ug/L #	68
18) trans-1,2-Dichloroethene	4.89	96	31176	0.519 ug/L	94
19) 1,1-Dichloroethane	5.68	63	46951	0.506 ug/L #	83
21) 2-Butanone	6.70	43	18109	4.105 ug/L	87
22) cis-1,2-Dichloroethene	6.69	96	21512	0.417 ug/L #	71
23) Bromochloromethane	7.05	128	10132	0.640 ug/L	84
25) Chloroform	7.23	83	43810	0.543 ug/L	99
27) 1,2-Dichloroethane	8.00	62	16923	0.561 ug/L #	94
29) 1,1,1-Trichloroethane	7.43	97	32382	0.554 ug/L	99
30) Cyclohexane	7.52	56	26912	0.358 ug/L	93
31) Carbon tetrachloride	7.64	117	31275	0.610 ug/L	93
33) Benzene	7.91	78	104670	0.477 ug/L	100
34) Trichloroethene	8.71	95	26948	0.536 ug/L	90
35) Methylcyclohexane	8.96	83	30393	0.372 ug/L	91
37) 1,2-Dichloropropane	8.99	63	25905	0.538 ug/L #	95
38) Bromodichloromethane	9.28	83	21667	0.516 ug/L #	98
39) cis-1,3-Dichloropropene	9.72	75	17315	0.351 ug/L	96
40) 4-Methyl-2-pentanone	9.87	43	41395	3.549 ug/L	98

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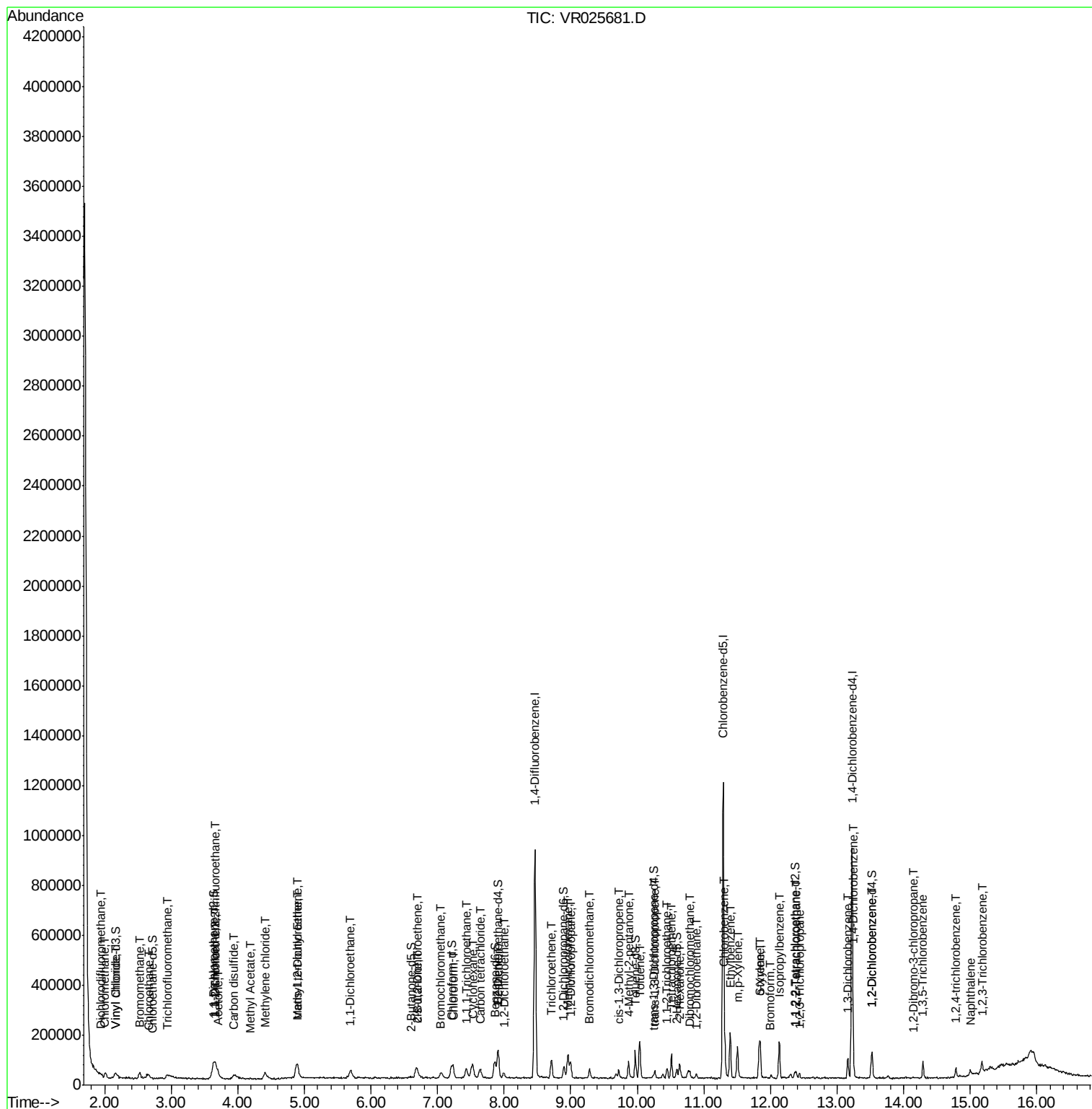
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	98525	0.458	ug/L	88
44) trans-1,3-Dichloropropene	10.26	75	14005	0.402	ug/L	97
45) 1,1,2-Trichloroethane	10.44	97	13529	0.637	ug/L #	68
47) Tetrachloroethene	10.51	164	23182	0.603	ug/L	92
48) 2-Hexanone	10.63	43	32100	3.948	ug/L	91
49) Dibromochloromethane	10.79	129	11837	0.517	ug/L	96
50) 1,2-Dibromoethane	10.89	107	8894	0.528	ug/L #	98
51) Chlorobenzene	11.32	112	76320	0.570	ug/L	95
52) Ethylbenzene	11.39	91	106541	0.464	ug/L	96
53) m,p-Xylene	11.50	106	39965	0.434	ug/L	93
54) o-Xylene	11.83	106	31972	0.390	ug/L	94
55) Styrene	11.84	104	51016	0.385	ug/L	100
56) Isopropylbenzene	12.13	105	73485	0.354	ug/L #	96
58) 1,1,2,2-Tetrachloroethane	12.39	83	12634	0.575	ug/L #	97
59) 1,2,3-Trichloropropane	12.43	75	7986	0.535	ug/L	88
61) Bromoform	12.01	173	4920	0.565	ug/L #	97
62) 1,3-Dichlorobenzene	13.16	146	32938	0.492	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	44610	0.600	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	30407	0.527	ug/L #	81
66) 1,2-Dibromo-3-chloropropan	14.14	75	943	0.604	ug/L #	76
67) 1,3,5-Trichlorobenzene	14.29	180	20083	0.531	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	12059	0.514	ug/L	99
69) Naphthalene	15.00	128	12281	0.424	ug/L #	94
70) 1,2,3-Trichlorobenzene	15.18	180	12118	0.664	ug/L	97

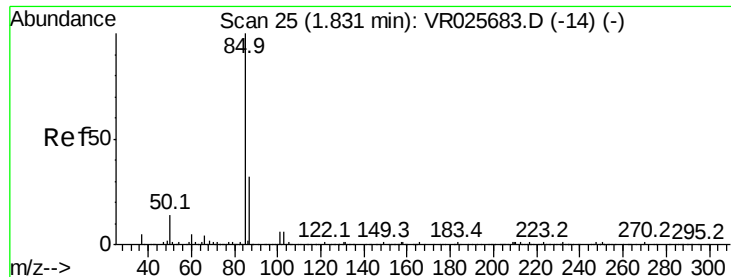
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.030 ug/L

RT: 1.94 min Scan# 43

Delta R.T. 0.11 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

Instrument :

MSVOA_R

ClientSampleId :

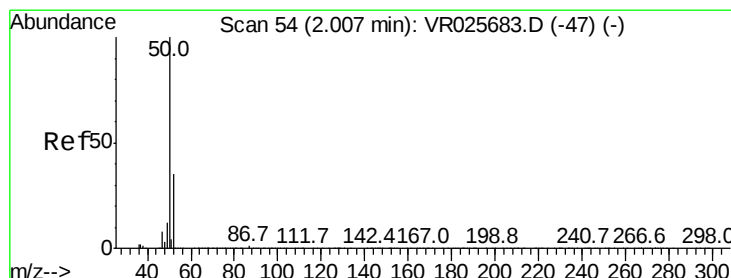
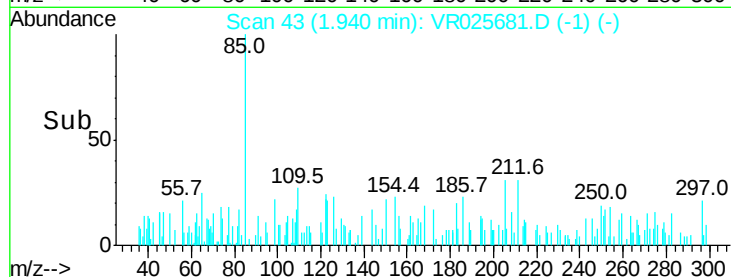
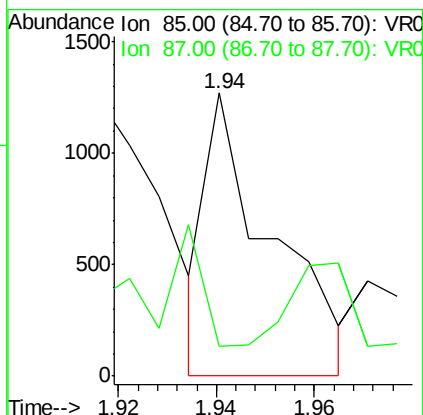
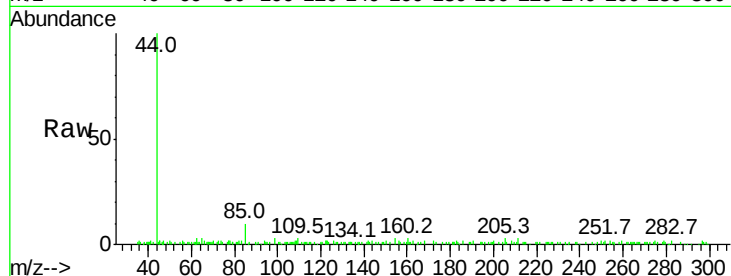
VSTD0.591

Tgt Ion: 85 Resp: 1184

Ion Ratio Lower Upper

85 100

87 28.5 25.3 37.9



#3

Chloromethane

Concen: 0.445 ug/L

RT: 2.00 min Scan# 53

Delta R.T. -0.01 min

Lab File: VR025681.D

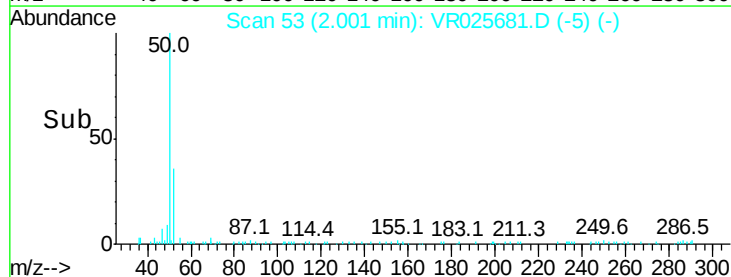
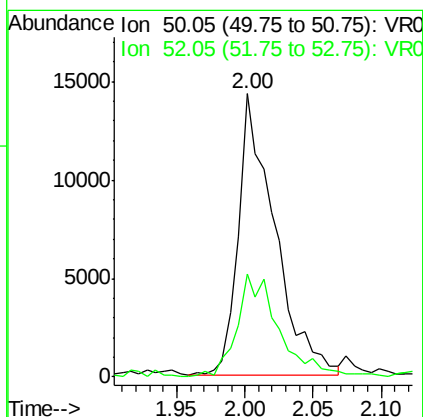
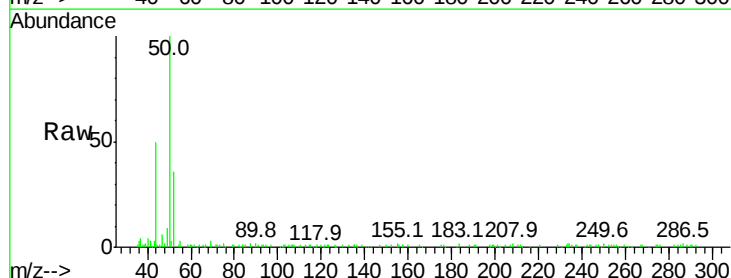
Acq: 7 Sep 2018 9:24

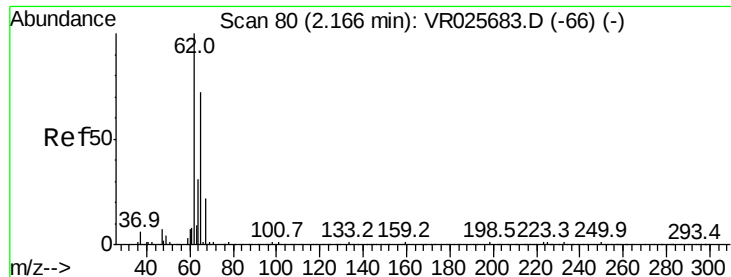
Tgt Ion: 50 Resp: 26422

Ion Ratio Lower Upper

50 100

52 36.2 24.6 45.8





#5

Vinyl chloride

Concen: 0.439 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.01 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

Instrument :

MSVOA_R

ClientSampleId :

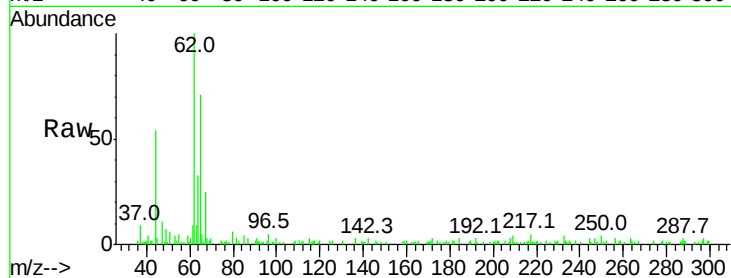
VSTD0.591

Tgt Ion: 62 Resp: 25524

Ion Ratio Lower Upper

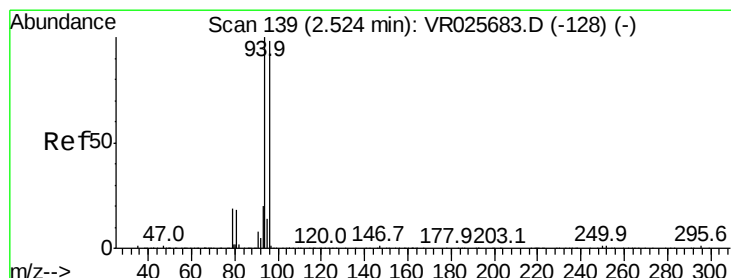
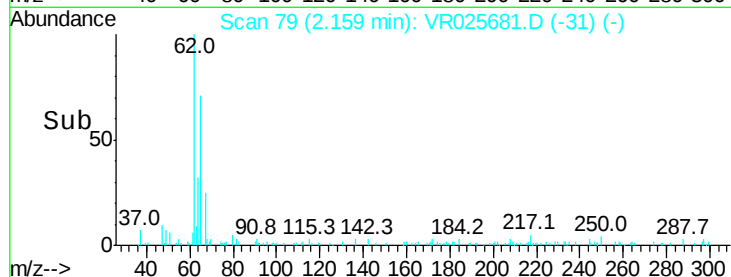
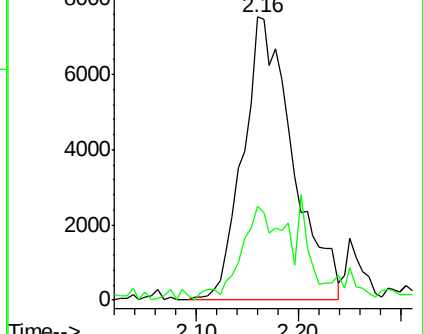
62 100

64 33.2 22.0 40.8



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 0.499 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR025681.D

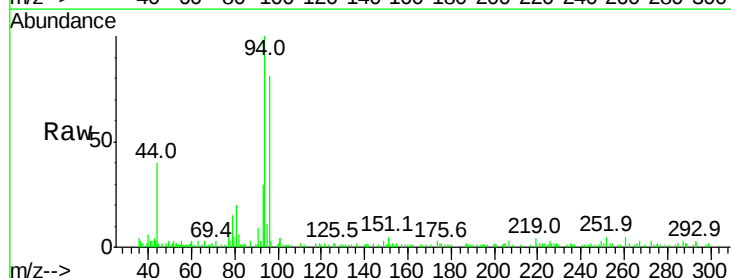
Acq: 7 Sep 2018 9:24

Tgt Ion: 94 Resp: 19729

Ion Ratio Lower Upper

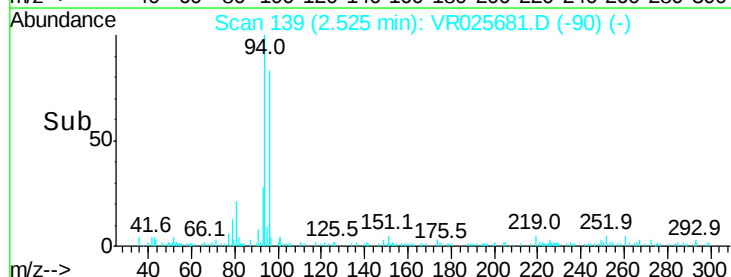
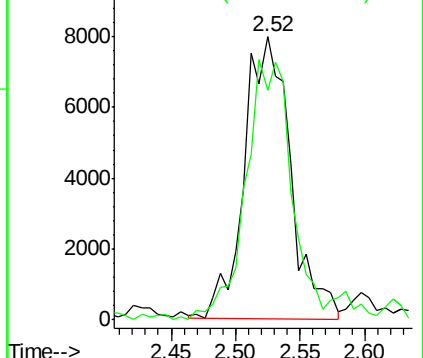
94 100

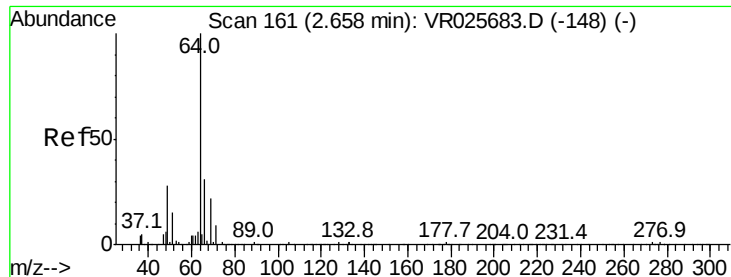
96 81.3 68.9 127.9



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

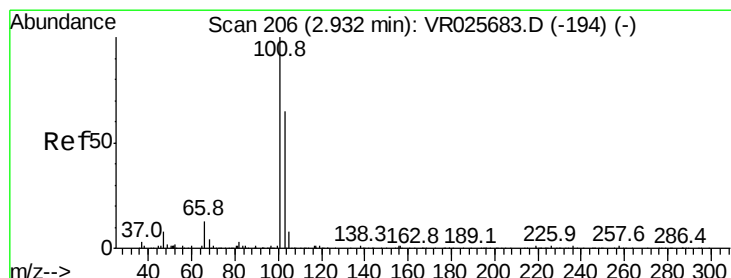
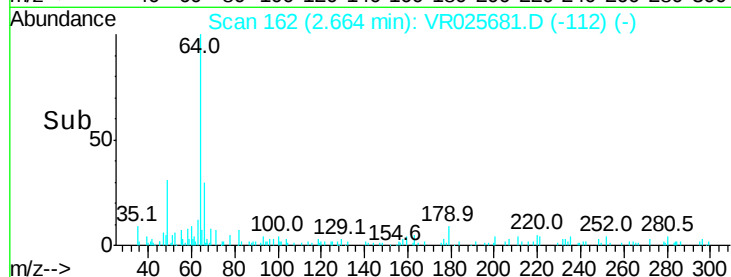
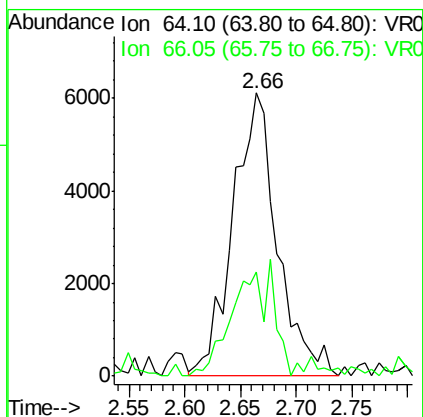
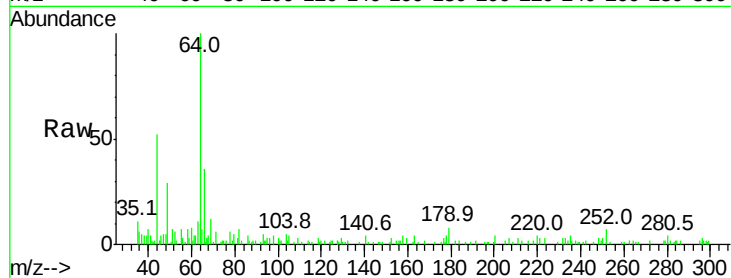




#8
Chloroethane
Concen: 0.473 ug/L
RT: 2.66 min Scan# 162
Delta R.T. 0.01 min
Lab File: VR025681.D
Acq: 7 Sep 2018 9:24

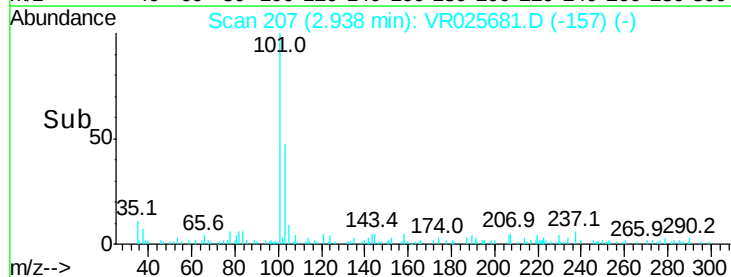
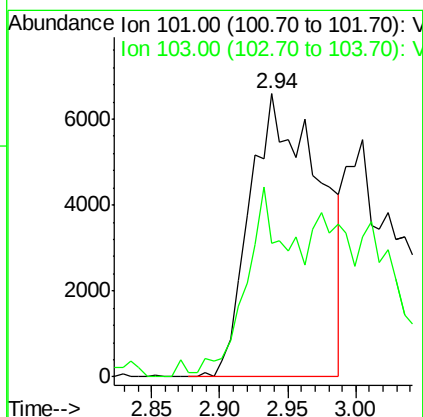
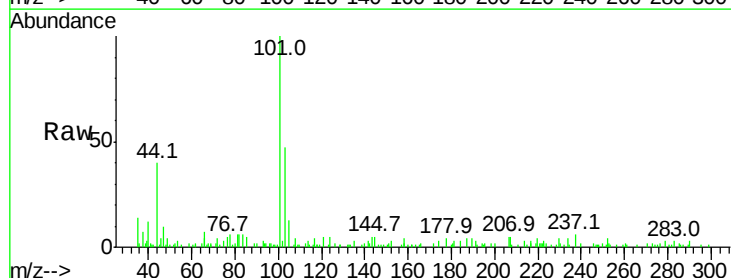
Instrument :
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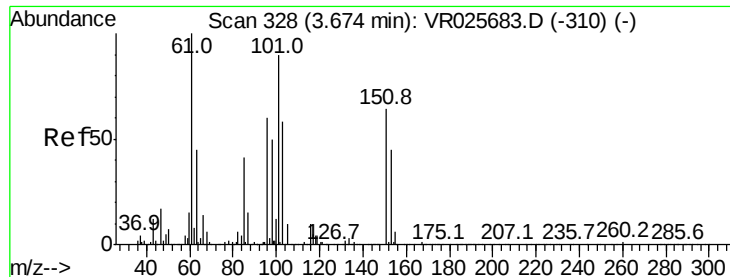
Tgt Ion: 64 Resp: 16902
Ion Ratio Lower Upper
64 100
66 36.9 21.8 40.6



#9
Trichlorofluoromethane
Concen: 0.278 ug/L
RT: 2.94 min Scan# 207
Delta R.T. 0.01 min
Lab File: VR025681.D
Acq: 7 Sep 2018 9:24

Tgt Ion: 101 Resp: 23429
Ion Ratio Lower Upper
101 100
103 33.7 13.2 19.8#





#10

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

Concen: 0.487 ug/L

RT: 3.67 min Scan# 328

Delta R.T. 0.00 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.591

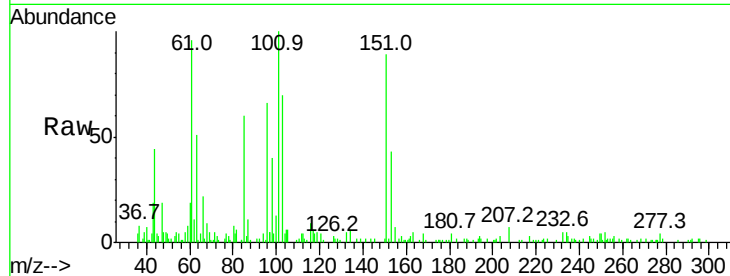
Tgt Ion: 101 Resp: 25028

Ion Ratio Lower Upper

101 100

85 50.6 38.1 57.1

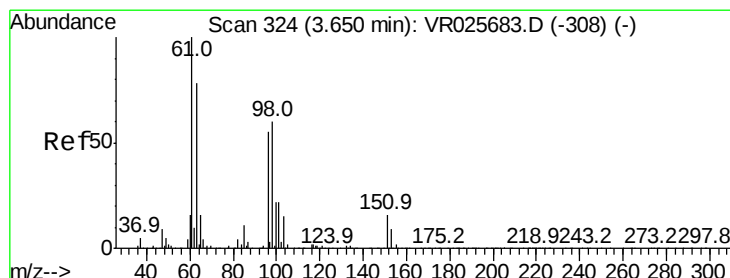
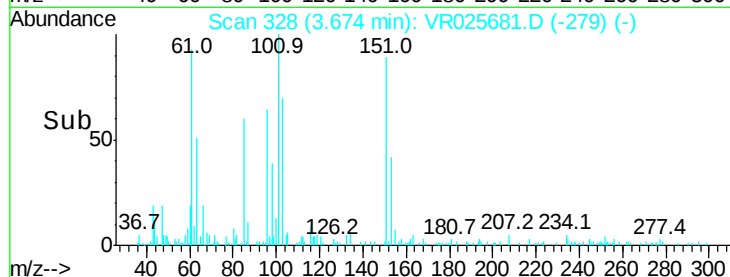
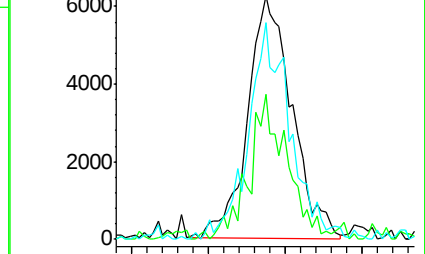
151 82.9 60.3 90.5



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: 0.508 ug/L

RT: 3.66 min Scan# 325

Delta R.T. 0.01 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

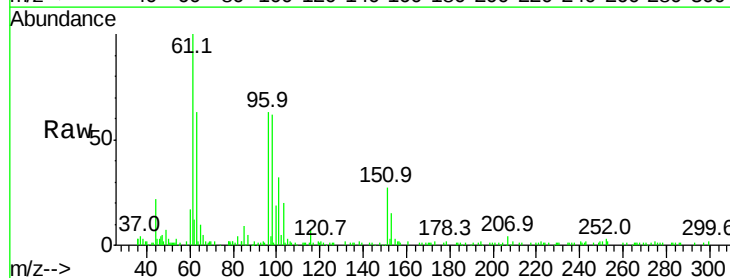
Tgt Ion: 96 Resp: 28889

Ion Ratio Lower Upper

96 100

61 158.0 128.4 238.4

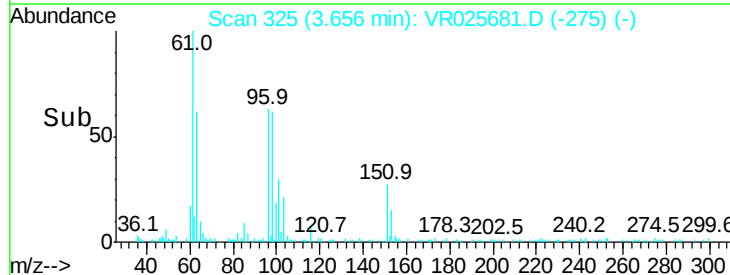
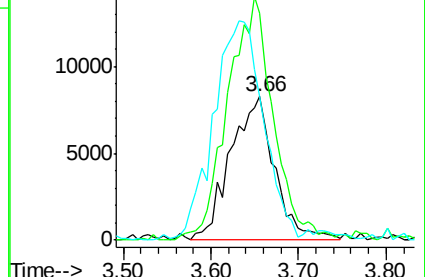
63 100.3 101.1 187.7#

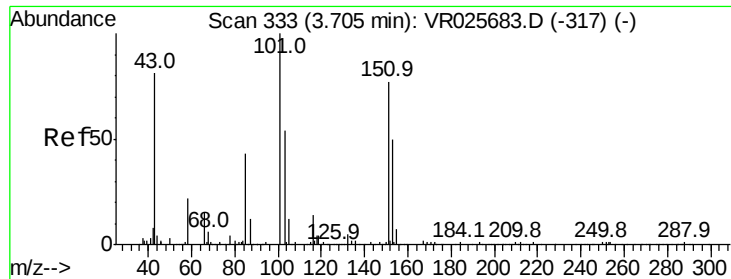


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 5.377 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.00 min

Lab File: VR025681.D

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ClientSampleId :

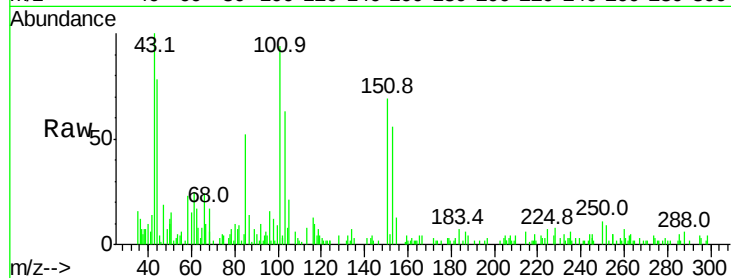
VSTD0.591

Tgt Ion: 43 Resp: 12037

Ion Ratio Lower Upper

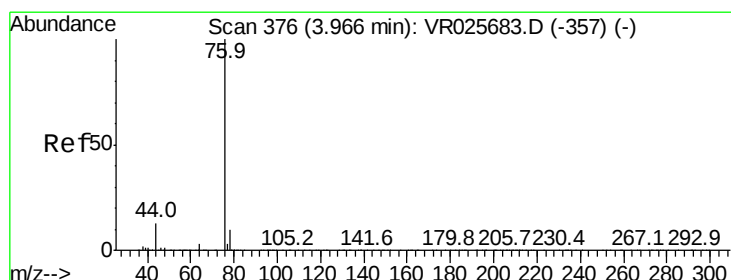
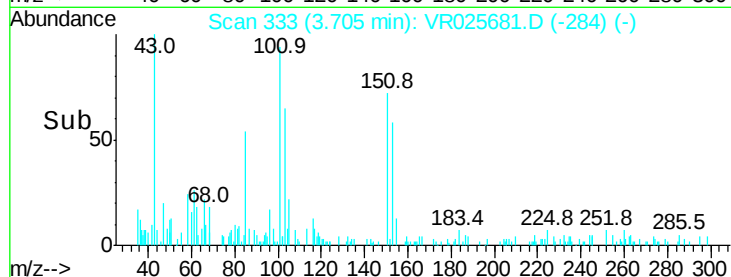
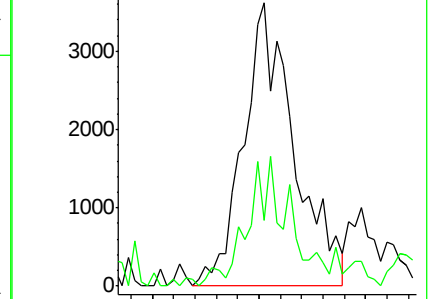
43 100

58 26.2 0.0 53.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 0.405 ug/L

RT: 3.95 min Scan# 373

Delta R.T. -0.02 min

Lab File: VR025681.D

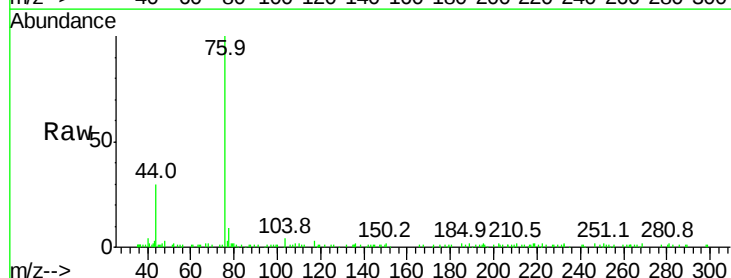
Acq: 7 Sep 2018 9:24

Tgt Ion: 76 Resp: 60008

Ion Ratio Lower Upper

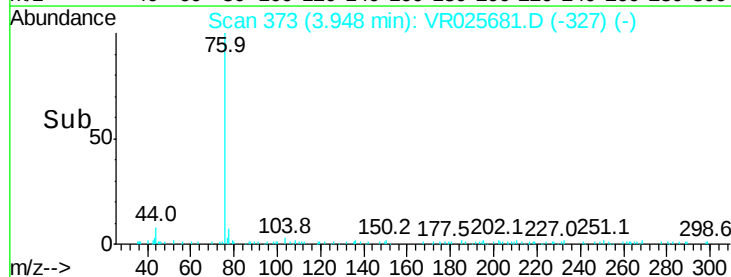
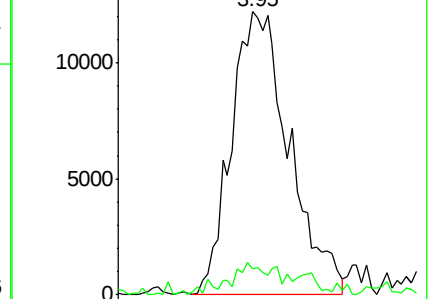
76 100

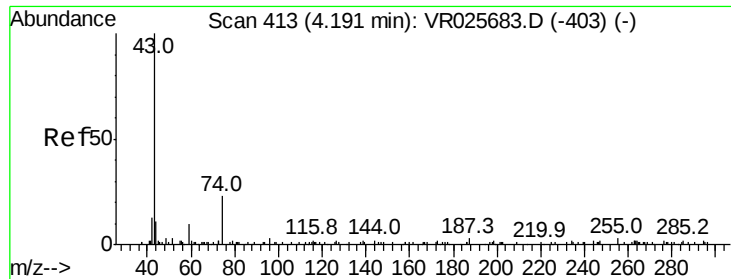
78 9.3 8.6 12.8



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

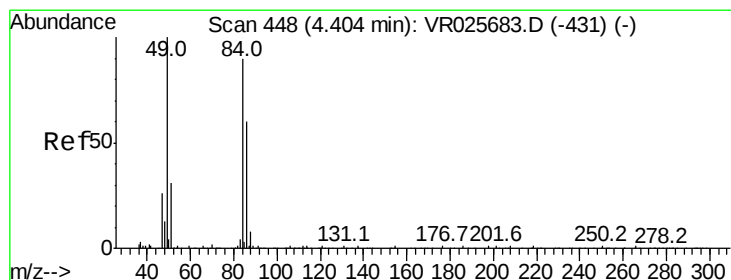
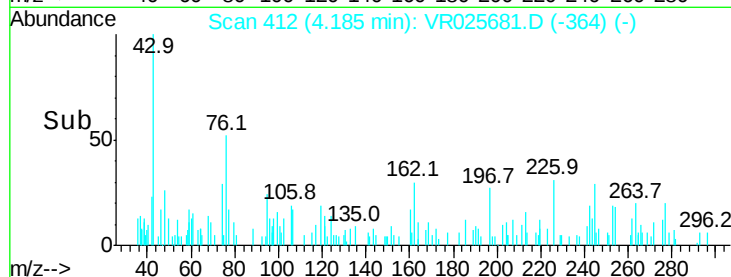
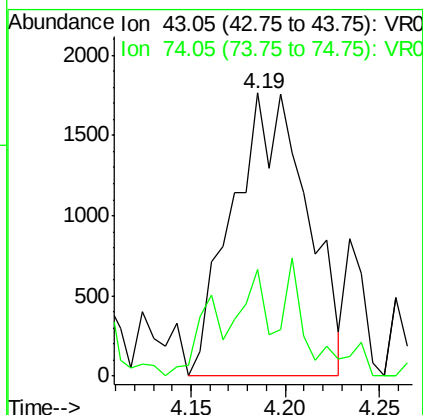
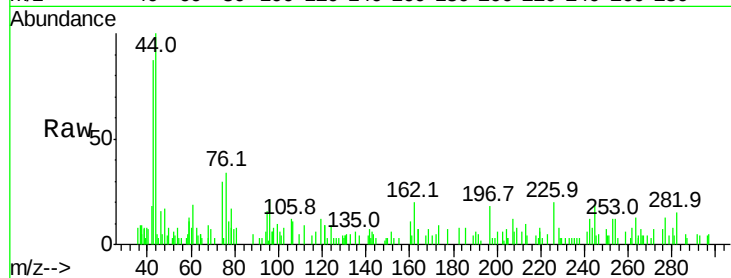




#15
Methyl Acetate
Concen: 0.569 ug/L
RT: 4.19 min Scan# 412
Delta R.T. -0.01 min
Lab File: VR025681.D
Acq: 7 Sep 2018 9:24

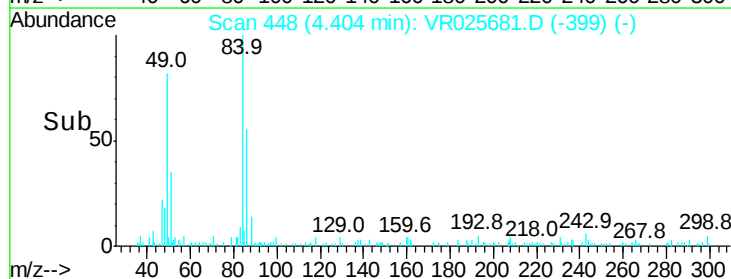
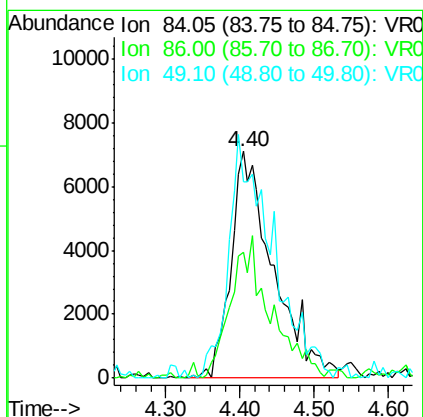
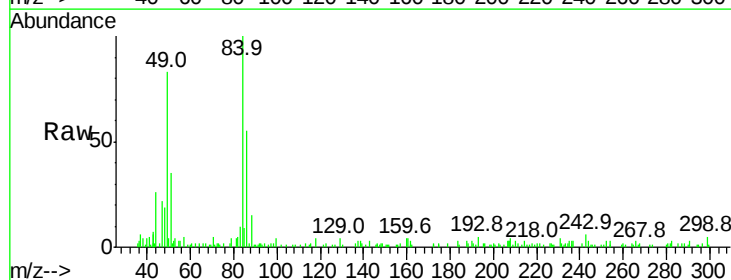
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.591

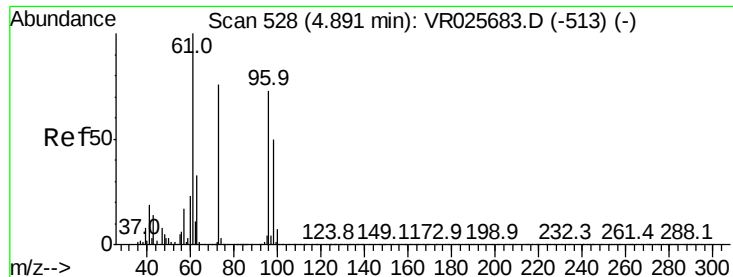
Tgt Ion: 43 Resp: 4819
Ion Ratio Lower Upper
43 100
74 6.3 24.2 36.4#



#16
Methylene chloride
Concen: 0.555 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.00 min
Lab File: VR025681.D
Acq: 7 Sep 2018 9:24

Tgt Ion: 84 Resp: 28320
Ion Ratio Lower Upper
84 100
86 55.4 46.5 86.3
49 86.6 77.4 143.8





#17

Methyl tert-butyl Ether

Concen: 0.456 ug/L

RT: 4.90 min Scan# 530

Delta R.T. 0.01 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.591

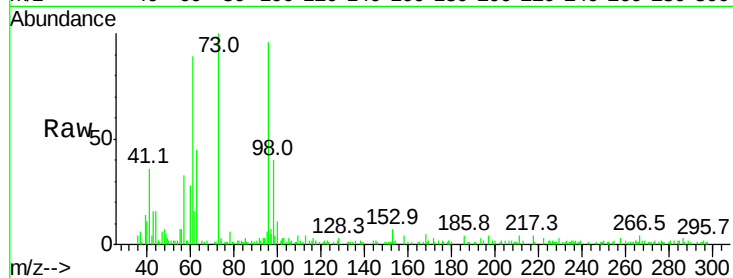
Tgt Ion: 73 Resp: 26621

Ion Ratio Lower Upper

73 100

43 8.0 15.1 22.7#

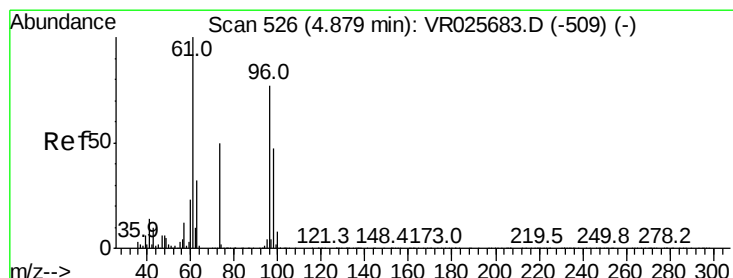
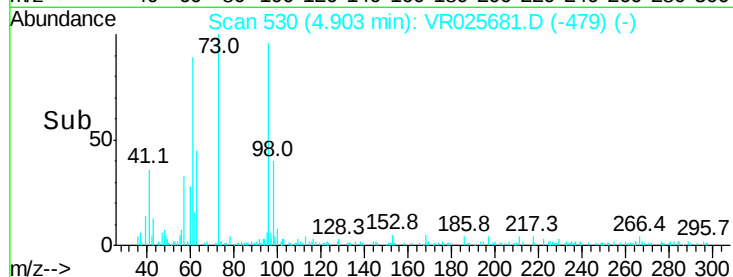
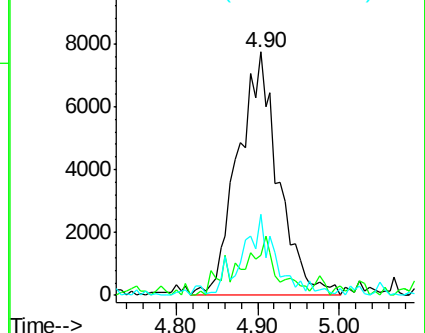
57 5.8 19.5 29.3#



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#18

trans-1,2-Dichloroethene

Concen: 0.519 ug/L

RT: 4.89 min Scan# 528

Delta R.T. 0.01 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

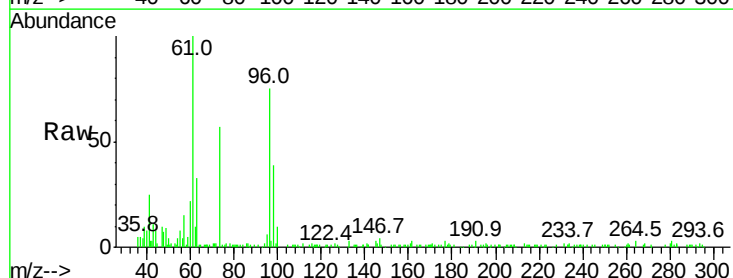
Tgt Ion: 96 Resp: 31176

Ion Ratio Lower Upper

96 100

61 133.4 91.3 169.6

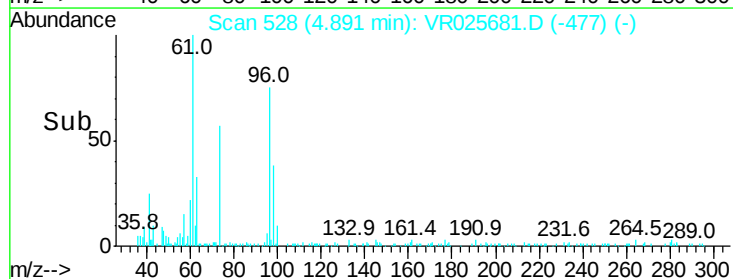
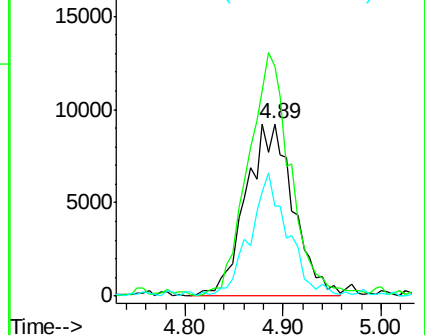
98 52.2 43.2 80.2

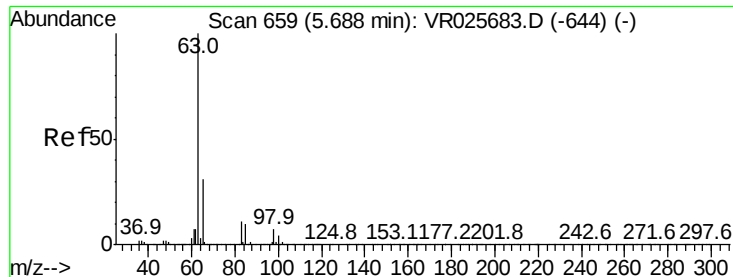


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0





#19

1,1-Dichloroethane

Concen: 0.506 ug/L

RT: 5.68 min Scan# 658

Delta R.T. -0.01 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

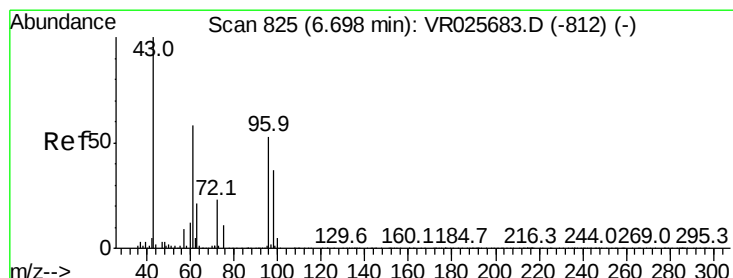
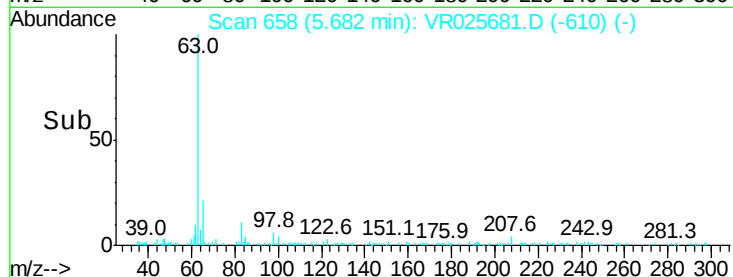
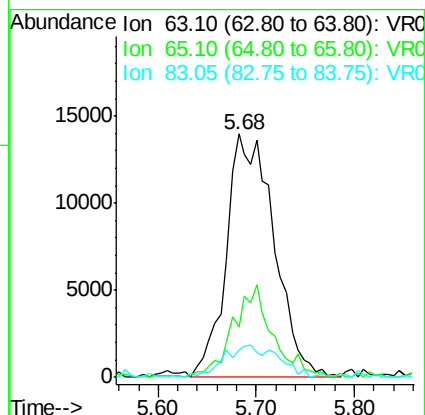
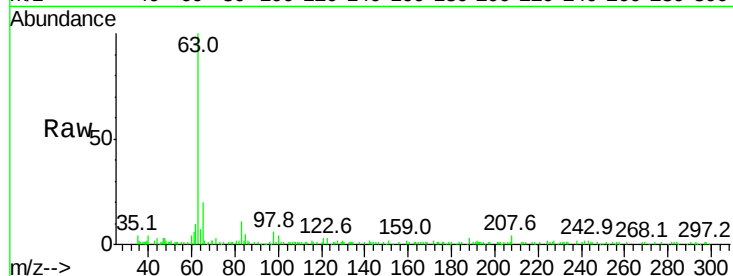
Instrument :

MSVOA_R

ClientSampleId :

VSTD0.591

Tgt Ion:	63	Resp:	46951
Ion	Ratio	Lower	Upper
63	100		
65	19.1	21.9	40.7#
83	10.5	7.6	14.2



#21

2-Butanone

Concen: 4.105 ug/L

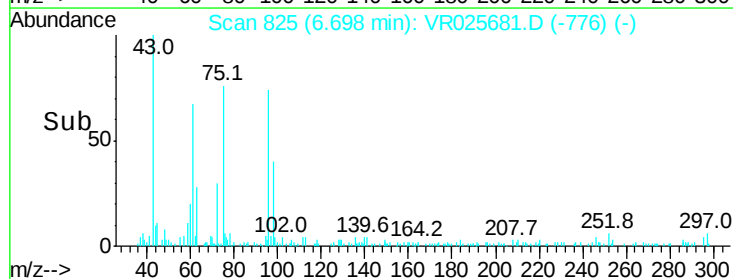
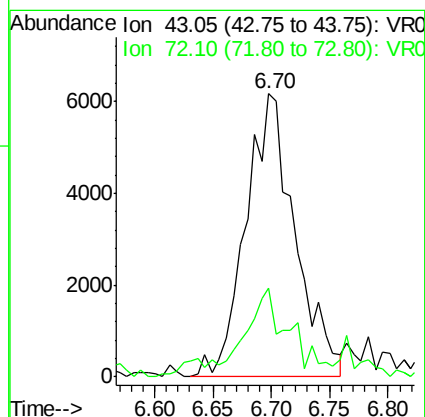
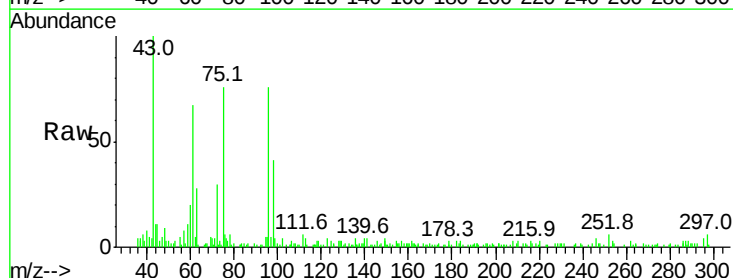
RT: 6.70 min Scan# 825

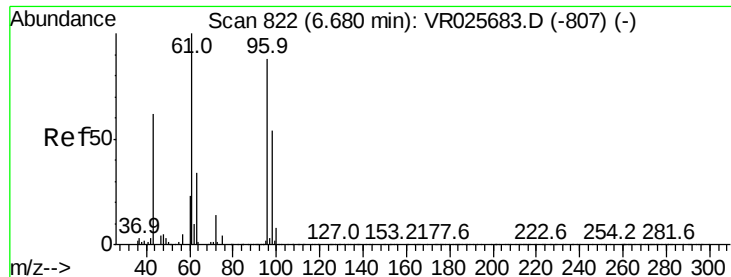
Delta R.T. 0.00 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

Tgt Ion:	43	Resp:	18109
Ion	Ratio	Lower	Upper
43	100		
72	19.9	13.3	39.9



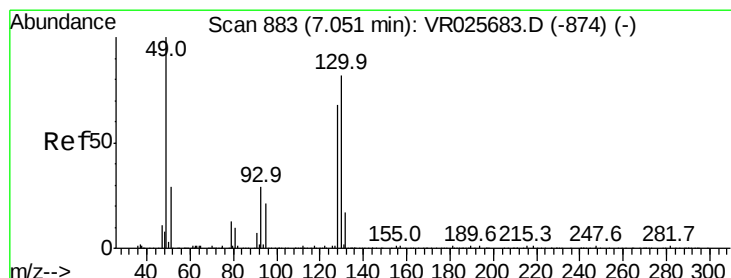
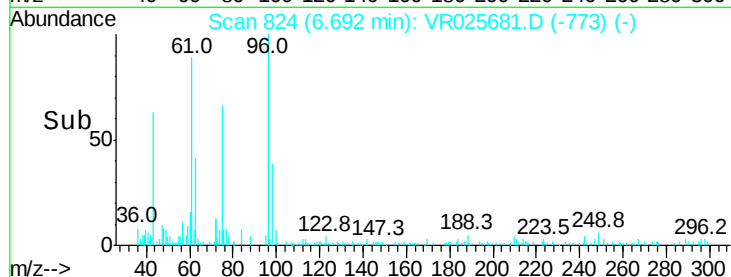
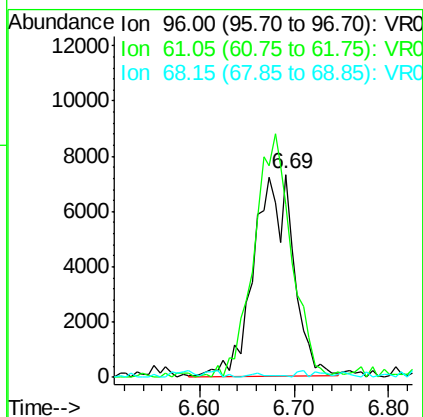
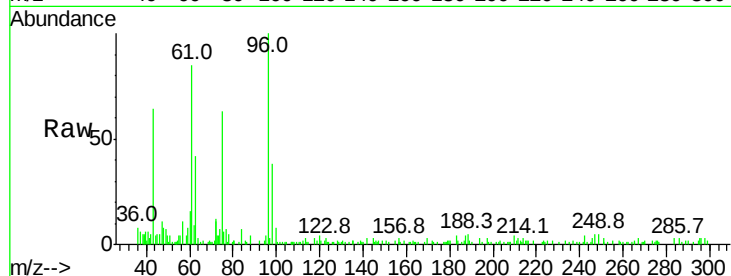


#22

cis-1,2-Dichloroethene
Concen: 0.417 ug/L
RT: 6.69 min Scan# 824
Delta R.T. 0.01 min
Lab File: VR025681.D
Acq: 7 Sep 2018 9:24

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.591

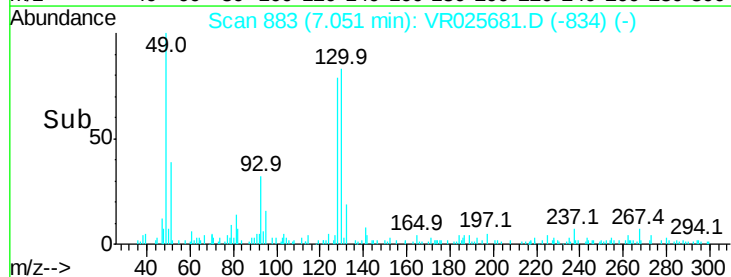
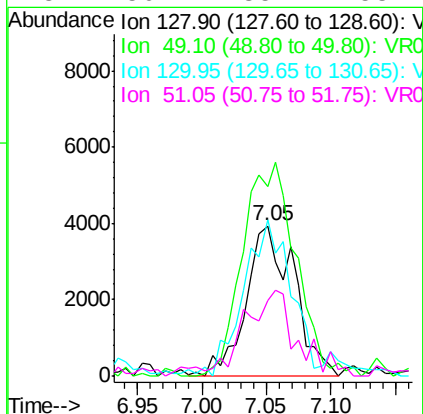
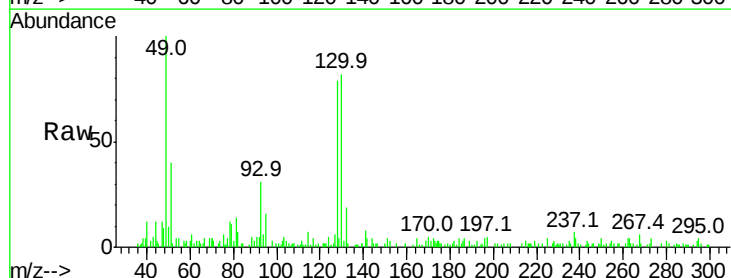
Tgt Ion: 96 Resp: 21512
Ion Ratio Lower Upper
96 100
61 82.9 79.9 148.5
68 0.7 0.2 0.4#

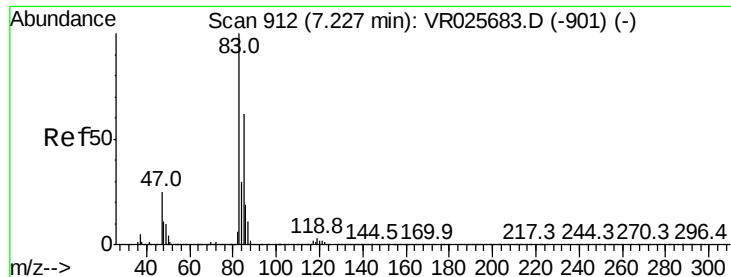


#23

Bromochloromethane
Concen: 0.640 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR025681.D
Acq: 7 Sep 2018 9:24

Tgt Ion: 128 Resp: 10132
Ion Ratio Lower Upper
128 100
49 126.1 104.6 194.2
130 103.8 84.7 157.3
51 50.4 35.4 53.2

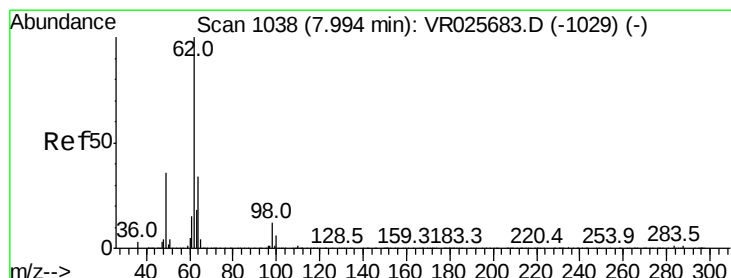
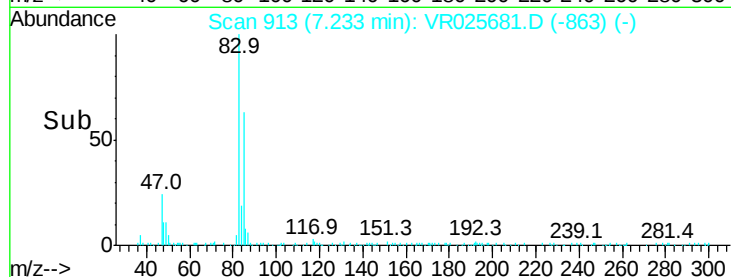
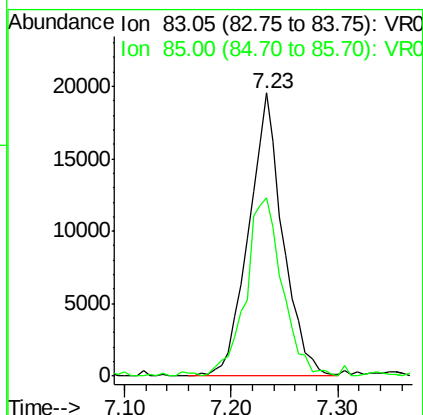
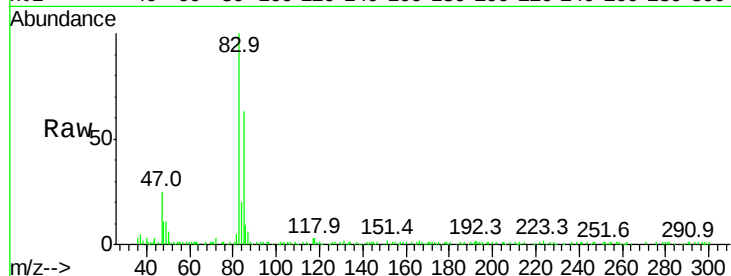




#25
Chloroform
Concen: 0.543 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.01 min
Lab File: VR025681.D
Acq: 7 Sep 2018 9:24

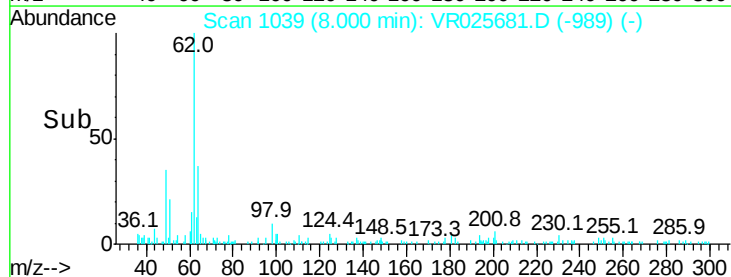
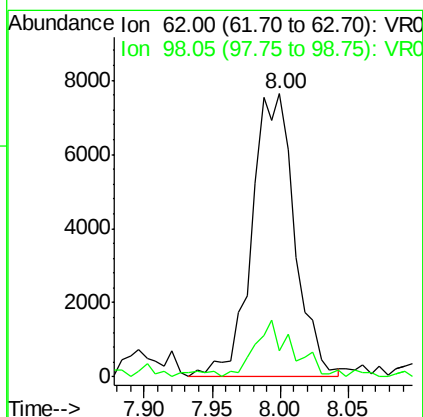
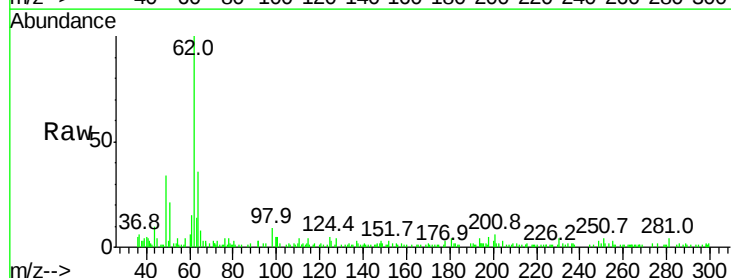
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.591

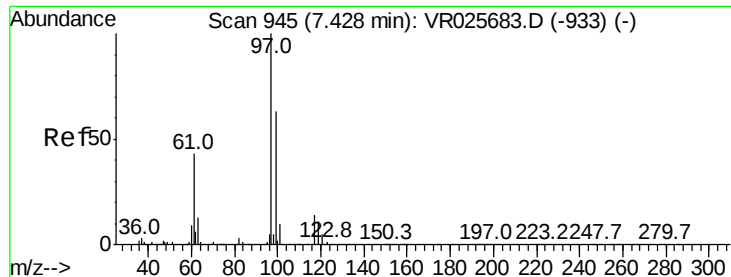
Tgt Ion: 83 Resp: 43810
Ion Ratio Lower Upper
83 100
85 63.3 43.8 81.4



#27
1,2-Dichloroethane
Concen: 0.561 ug/L
RT: 8.00 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VR025681.D
Acq: 7 Sep 2018 9:24

Tgt Ion: 62 Resp: 16923
Ion Ratio Lower Upper
62 100
98 9.4 9.4 14.2#

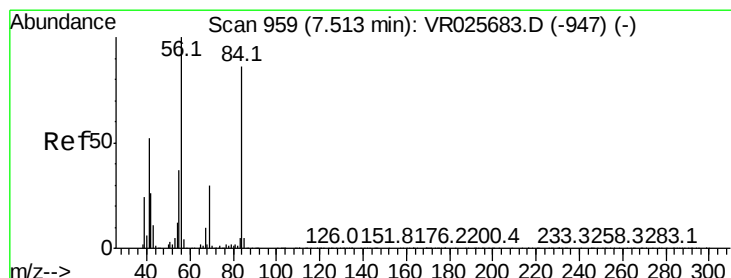
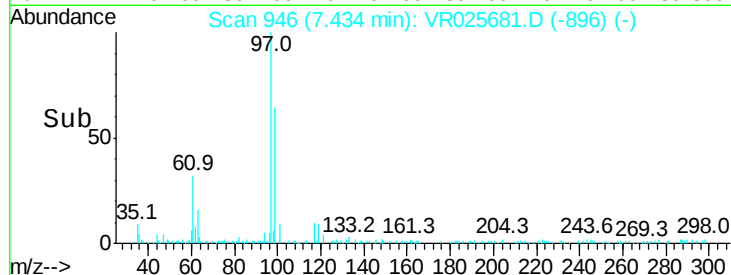
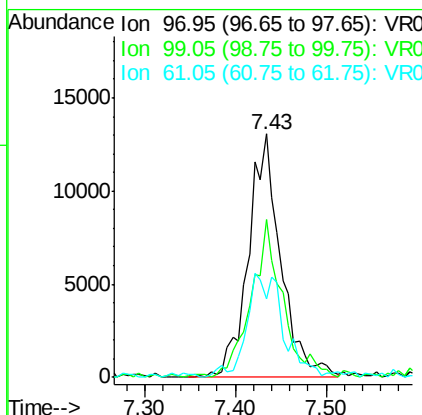
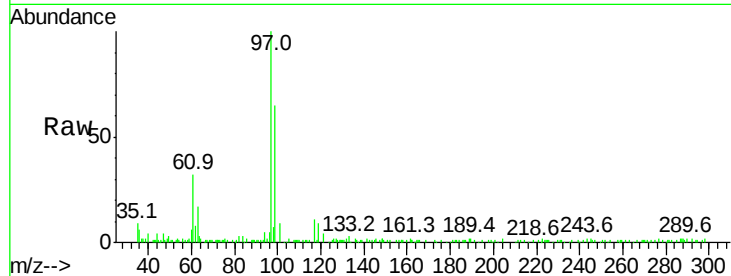




#29
 1,1,1-Trichloroethane
 Concen: 0.554 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VR025681.D
 Acq: 7 Sep 2018 9:24

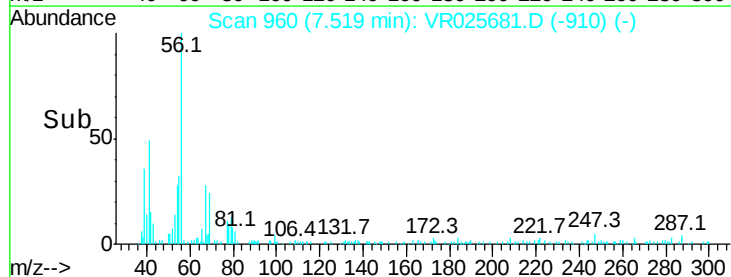
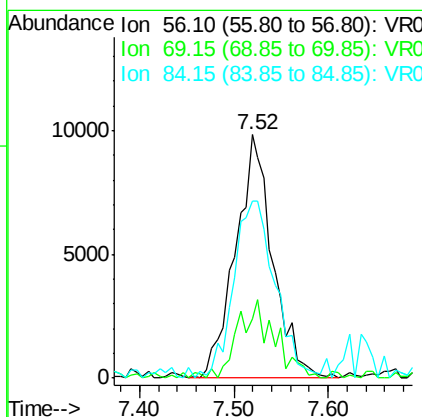
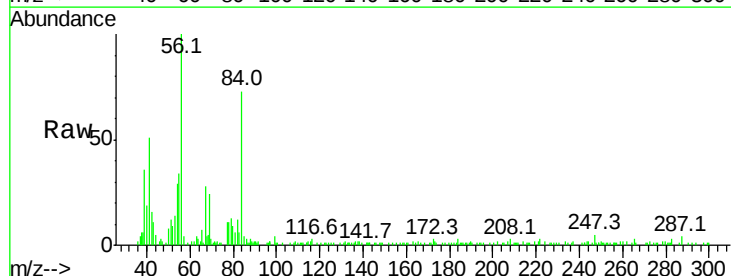
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.591

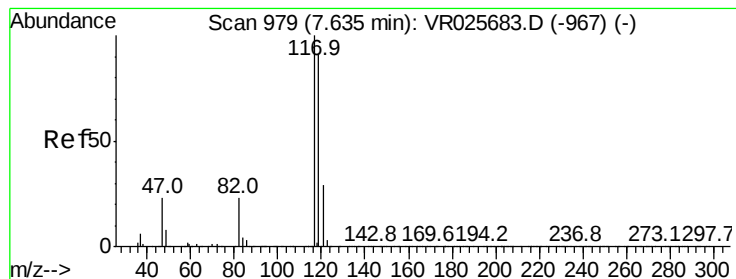
Tgt Ion: 97 Resp: 32382
 Ion Ratio Lower Upper
 97 100
 99 62.5 51.3 76.9
 61 45.7 36.2 54.4



#30
 Cyclohexane
 Concen: 0.358 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VR025681.D
 Acq: 7 Sep 2018 9:24

Tgt Ion: 56 Resp: 26912
 Ion Ratio Lower Upper
 56 100
 69 31.5 23.4 35.2
 84 80.9 70.4 105.6





#31

Carbon tetrachloride

Concen: 0.610 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

Instrument :

MSVOA_R

ClientSampleId :

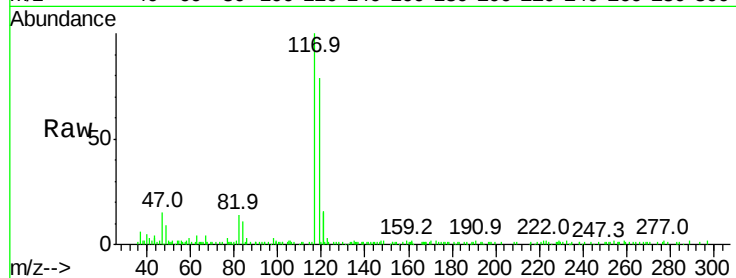
VSTD0.591

Tgt Ion:117 Resp: 31275

Ion Ratio Lower Upper

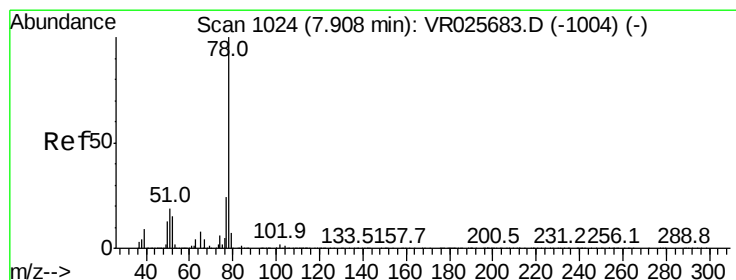
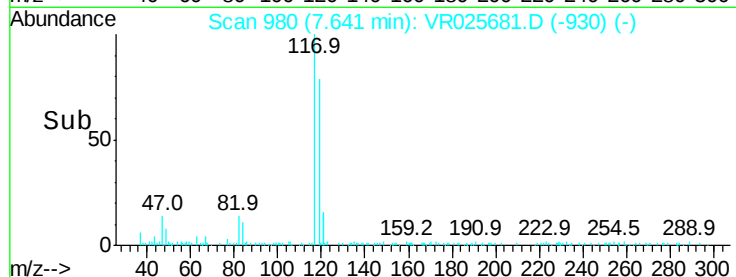
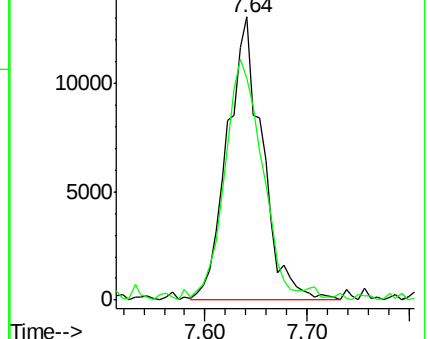
117 100

119 91.5 78.9 118.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.477 ug/L

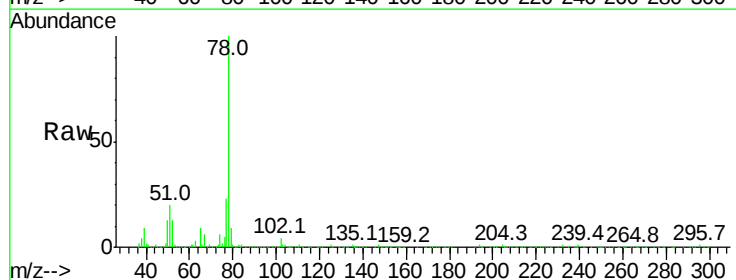
RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

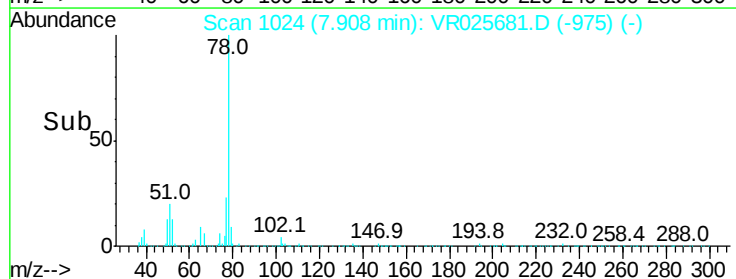
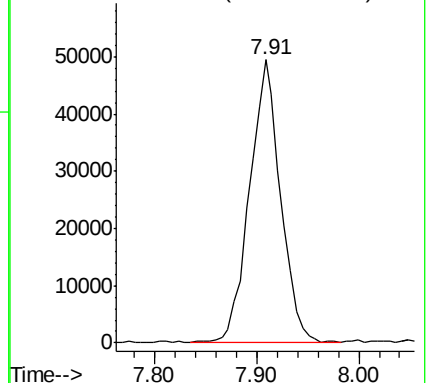
Lab File: VR025681.D

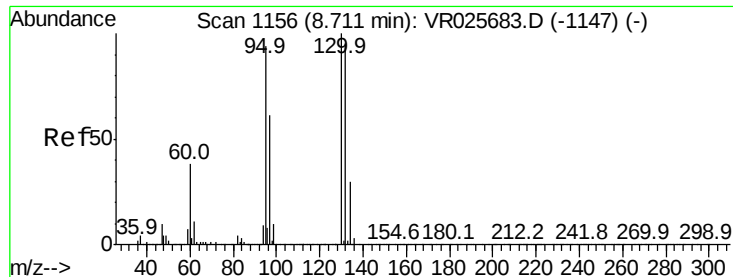
Acq: 7 Sep 2018 9:24

Tgt Ion: 78 Resp: 104670



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 0.536 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.591

Tgt Ion: 95 Resp: 26948

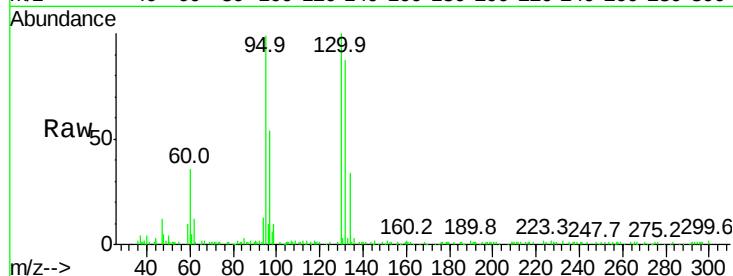
Ion Ratio Lower Upper

95 100

97 54.9 45.5 84.5

132 87.8 71.0 131.9

130 101.3 74.5 138.3

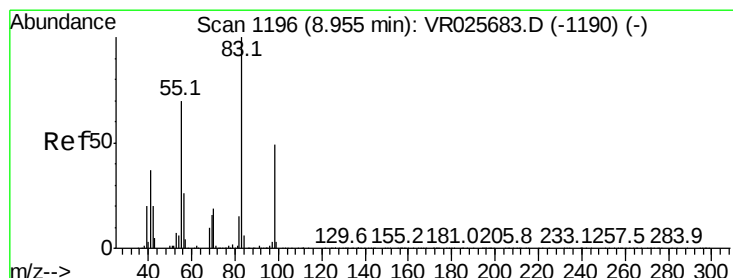
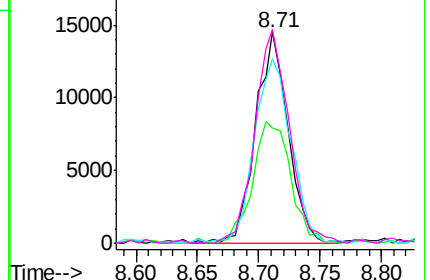
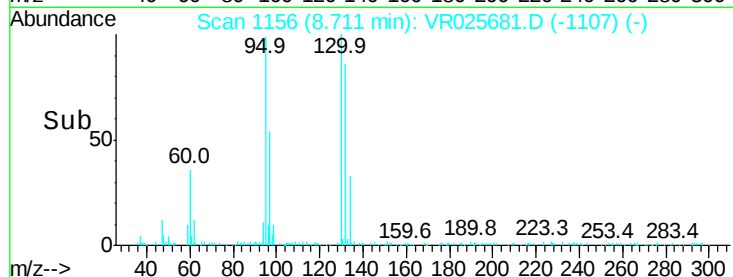


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.372 ug/L

RT: 8.96 min Scan# 1197

Delta R.T. 0.01 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

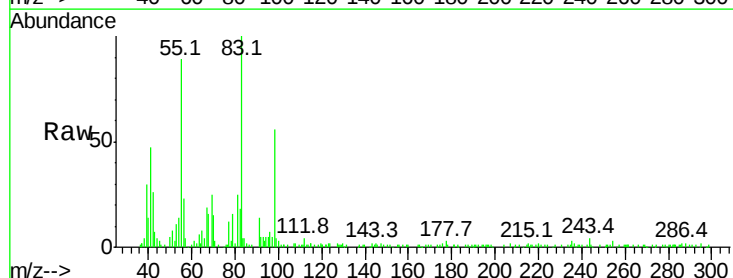
Tgt Ion: 83 Resp: 30393

Ion Ratio Lower Upper

83 100

55 84.0 58.9 88.3

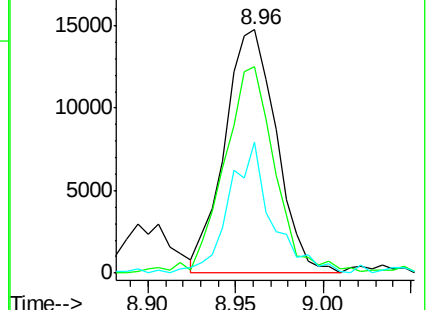
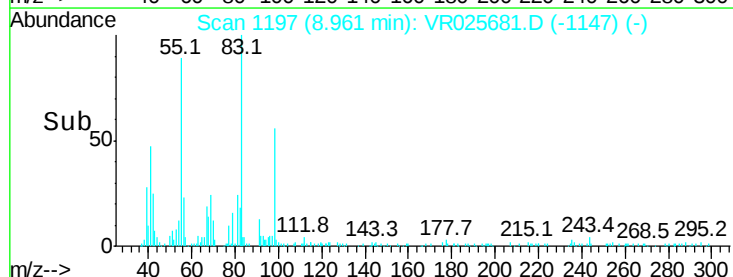
98 44.0 36.9 55.3

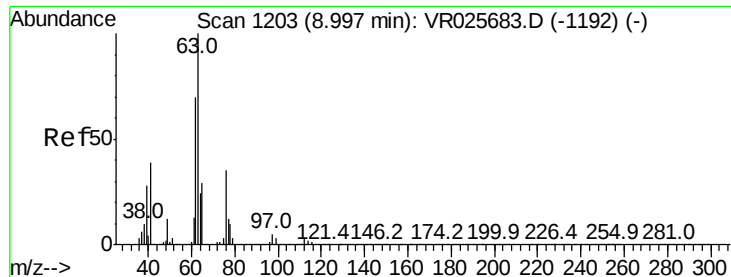


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.538 ug/L

RT: 8.99 min Scan# 1202

Delta R.T. -0.01 min

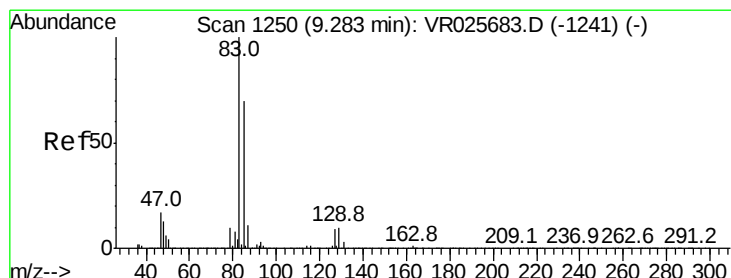
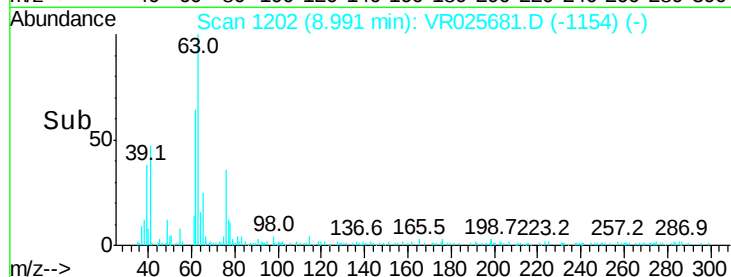
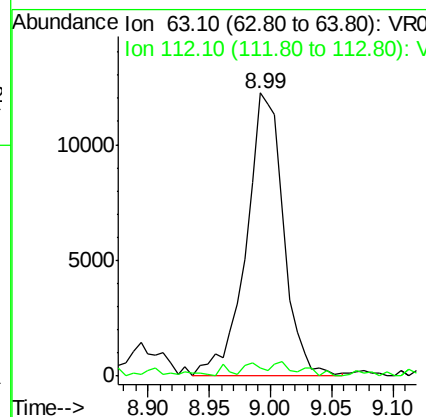
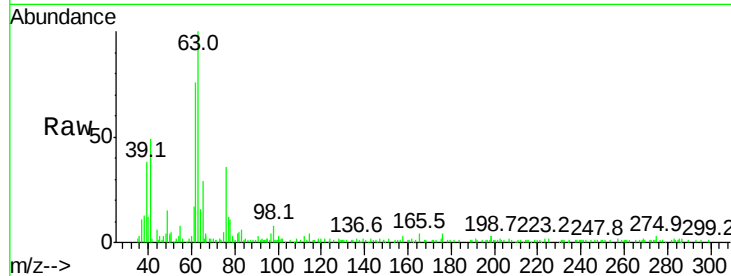
Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

Instrument :
MSVOA_R
ClientSampled :
VSTD0.591

Tgt Ion: 63 Resp: 25905

Ion	Ratio	Lower	Upper
63	100		
112	1.9	2.9	4.3#



#38

Bromodichloromethane

Concen: 0.516 ug/L

RT: 9.28 min Scan# 1250

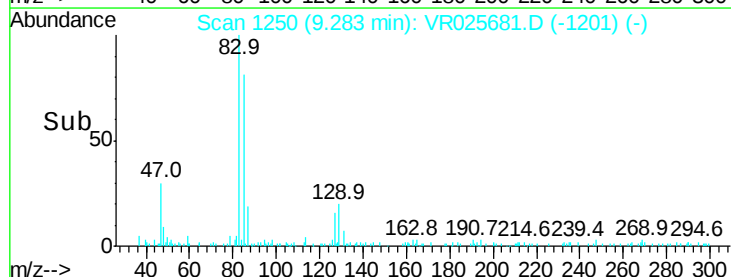
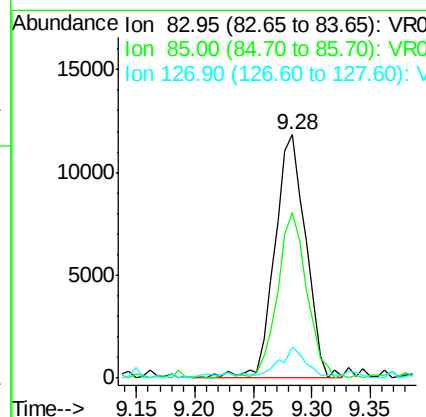
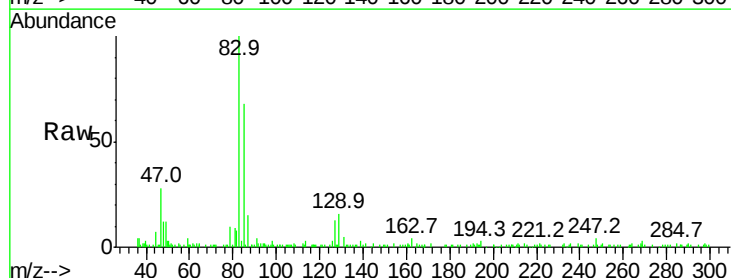
Delta R.T. 0.00 min

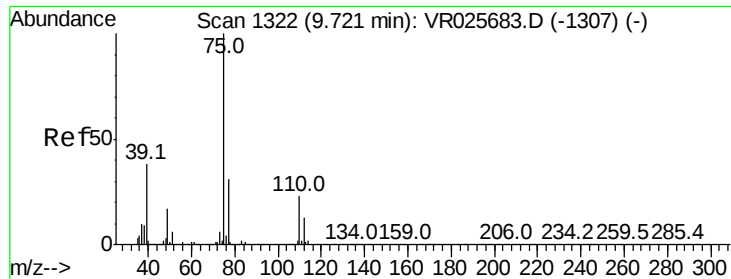
Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

Tgt Ion: 83 Resp: 21667

Ion	Ratio	Lower	Upper
83	100		
85	69.1	48.7	90.5
127	13.3	7.5	11.3#





#39

cis-1,3-Dichloropropene

Concen: 0.351 ug/L

RT: 9.72 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

Instrument :

MSVOA_R

ClientSampleId :

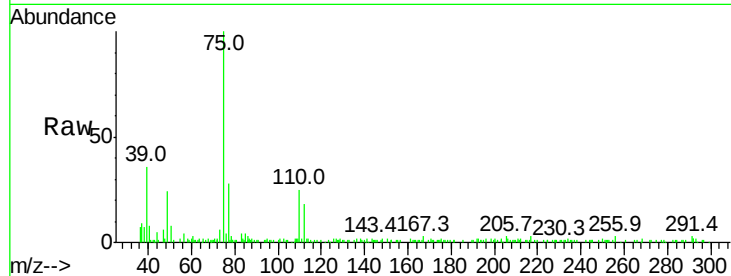
VSTD0.591

Tgt Ion: 75 Resp: 17315

Ion Ratio Lower Upper

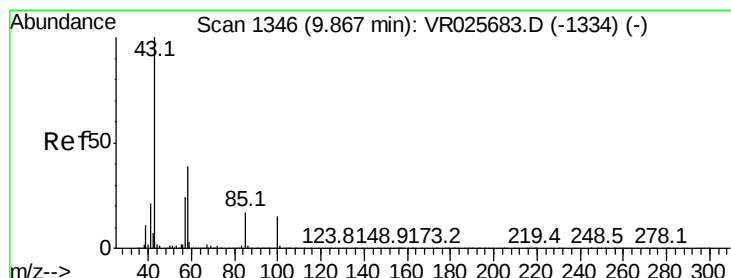
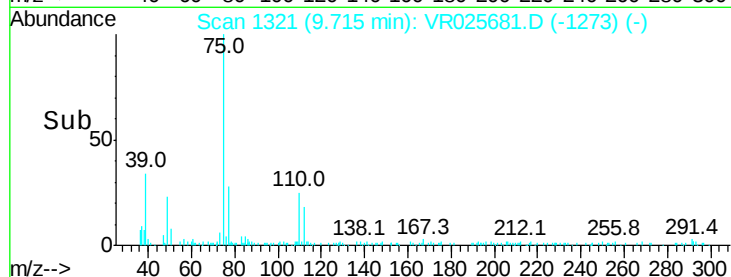
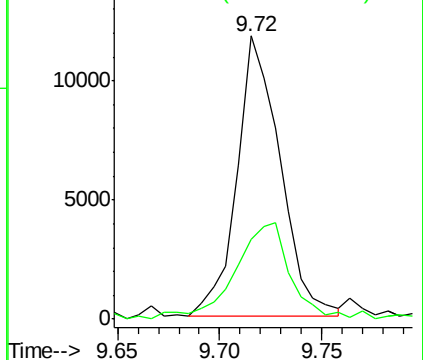
75 100

77 28.4 21.6 40.2



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: 3.549 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

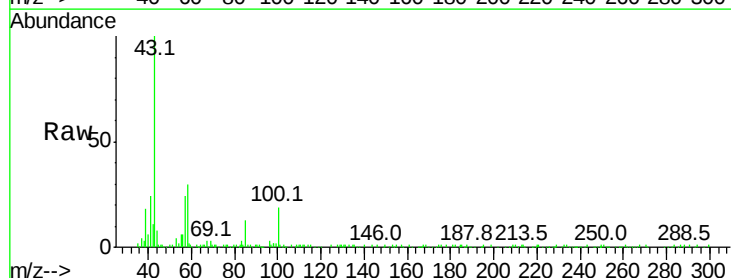
Tgt Ion: 43 Resp: 41395

Ion Ratio Lower Upper

43 100

58 37.1 30.6 46.0

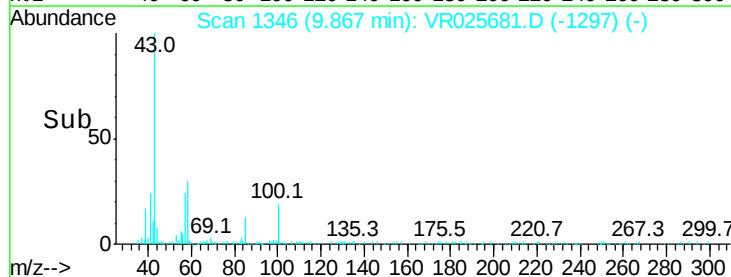
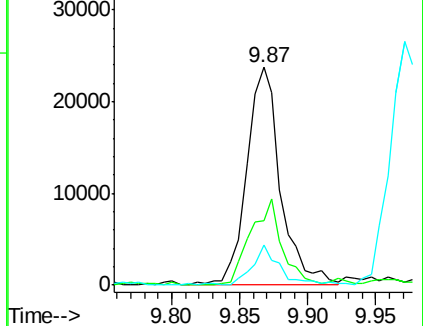
100 15.5 11.7 17.5

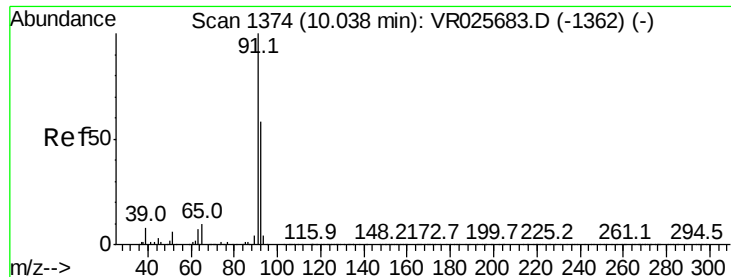


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 0.458 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

Instrument :

MSVOA_R

ClientSampleId :

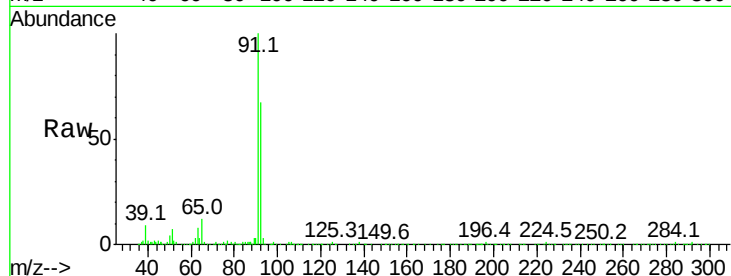
VSTD0.591

Tgt Ion: 91 Resp: 98525

Ion Ratio Lower Upper

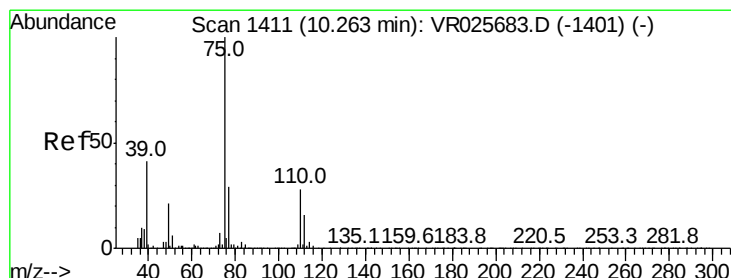
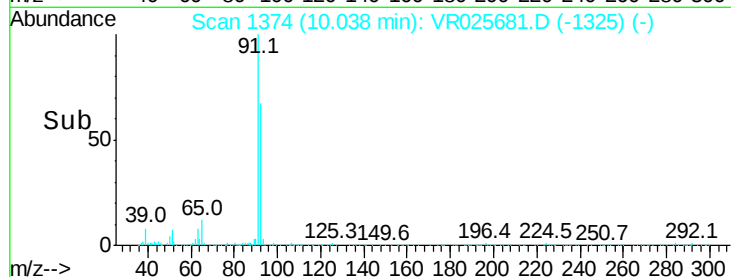
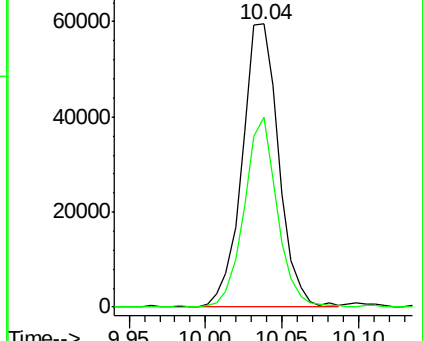
91 100

92 67.1 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0



#44

trans-1,3-Dichloropropene

Concen: 0.402 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR025681.D

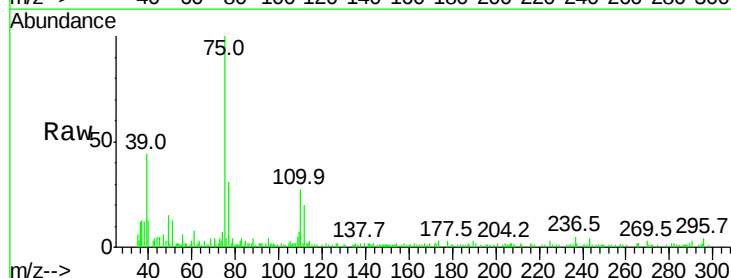
Acq: 7 Sep 2018 9:24

Tgt Ion: 75 Resp: 14005

Ion Ratio Lower Upper

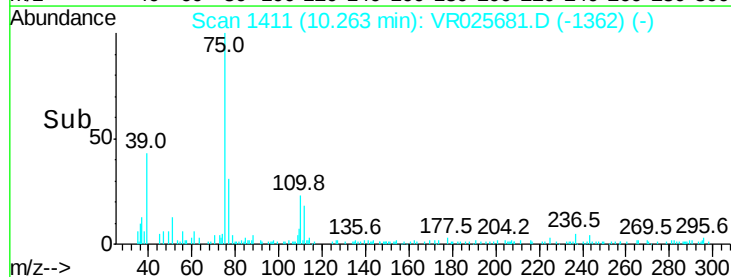
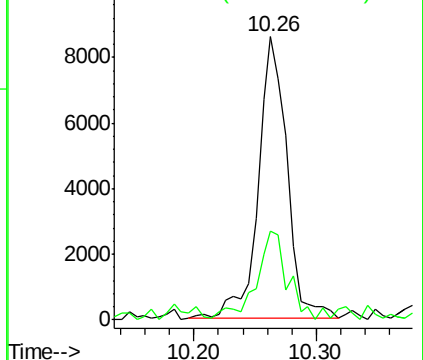
75 100

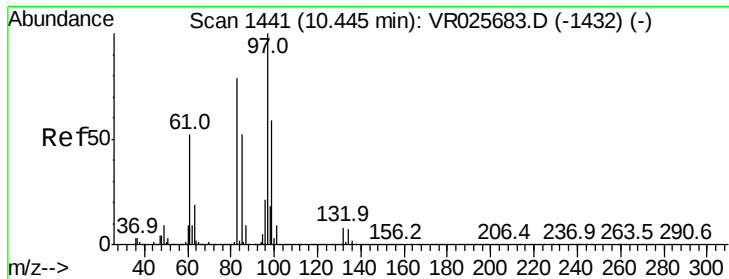
77 31.3 20.7 38.5



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

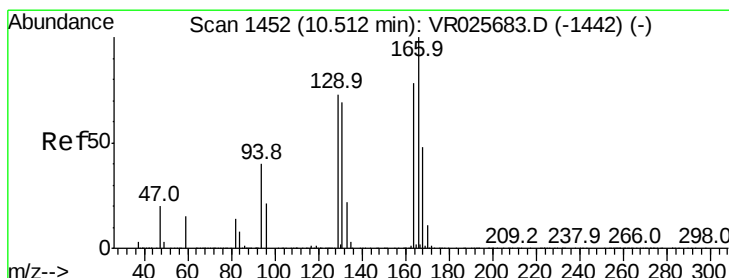
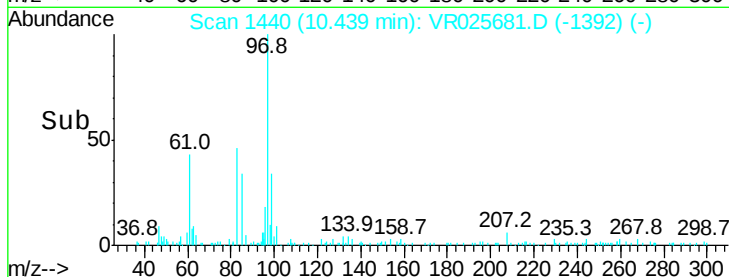
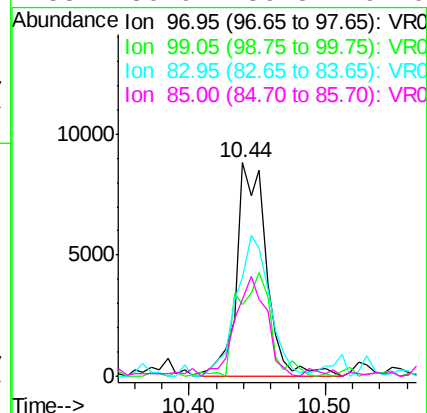
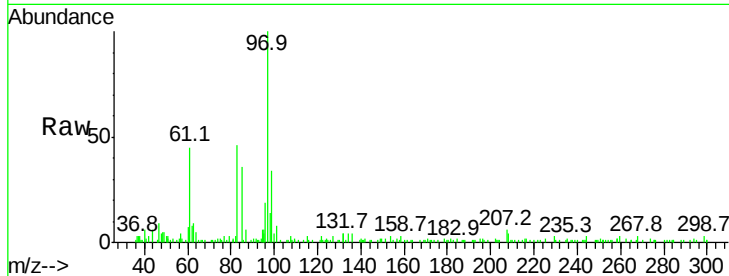




#45
 1,1,2-Trichloroethane
 Concen: 0.637 ug/L
 RT: 10.44 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VR025681.D
 Acq: 7 Sep 2018 9:24

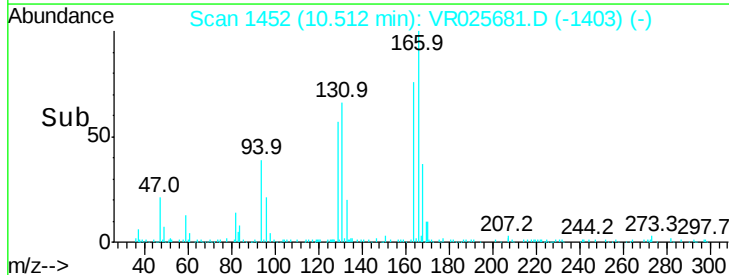
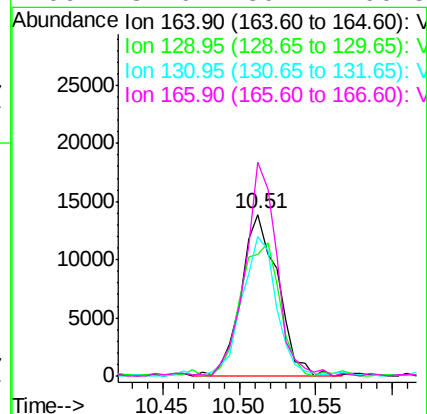
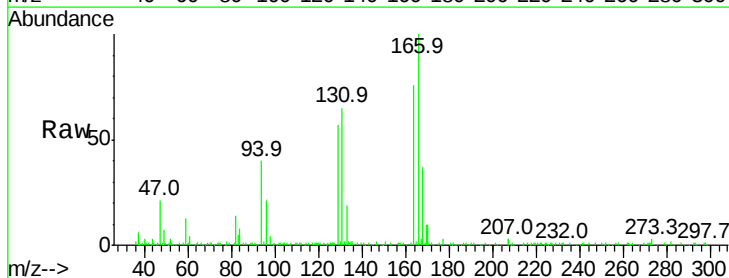
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.591

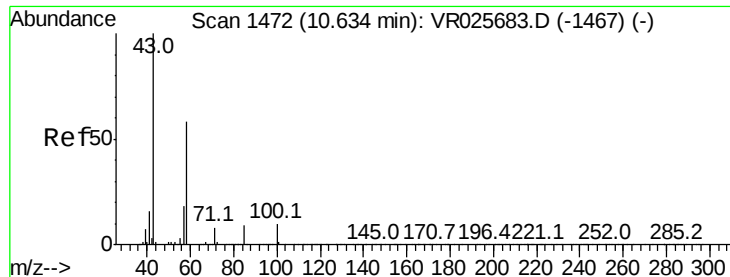
Tgt Ion:	97	Resp:	13529
Ion	Ratio	Lower	Upper
97	100		
99	33.9	41.3	76.7#
83	46.0	55.4	102.8#
85	36.9	36.5	67.9



#47
 Tetrachloroethene
 Concen: 0.603 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR025681.D
 Acq: 7 Sep 2018 9:24

Tgt Ion:	164	Resp:	23182
Ion	Ratio	Lower	Upper
164	100		
129	74.7	65.6	121.8
131	86.3	62.2	115.4
166	131.9	89.7	166.5

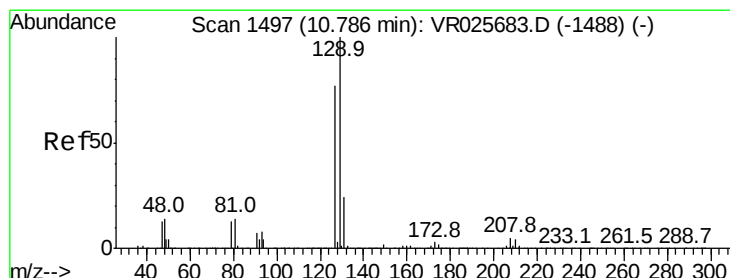
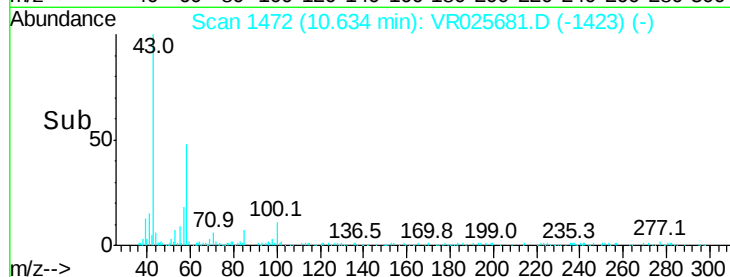
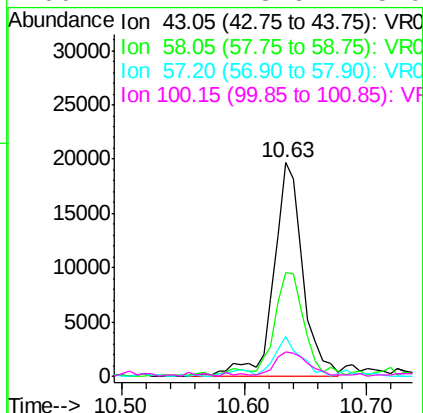
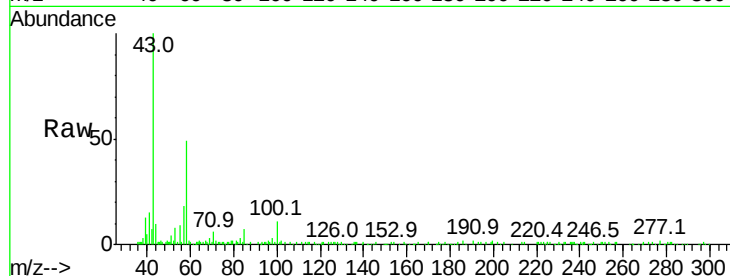




#48
2-Hexanone
Concen: 3.948 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025681.D
Acq: 7 Sep 2018 9:24

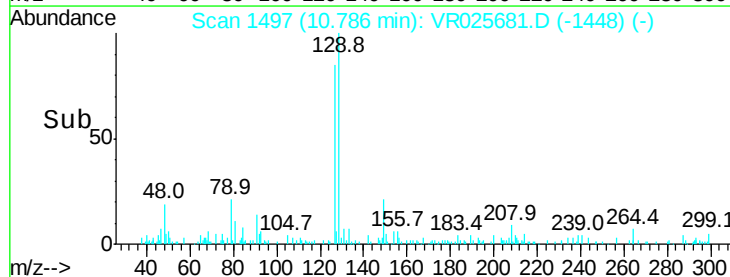
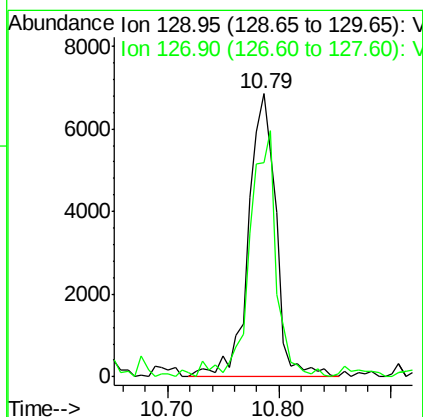
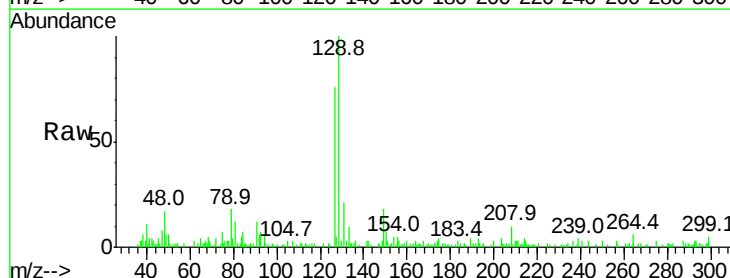
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.591

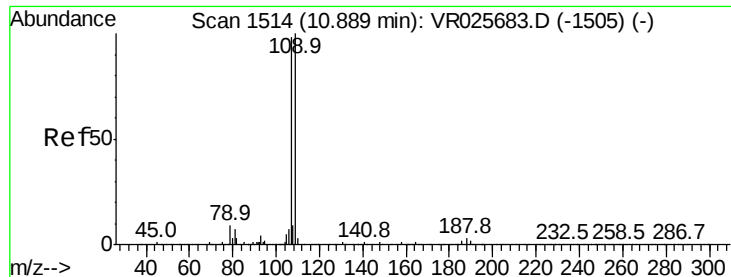
Tgt Ion:	43	Resp:	32100
Ion	Ratio	Lower	Upper
43	100		
58	48.8	45.8	68.8
57	16.0	14.2	21.2
100	12.2	8.6	13.0



#49
Dibromochloromethane
Concen: 0.517 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR025681.D
Acq: 7 Sep 2018 9:24

Tgt Ion:	129	Resp:	11837
Ion	Ratio	Lower	Upper
129	100		
127	80.6	54.1	100.5

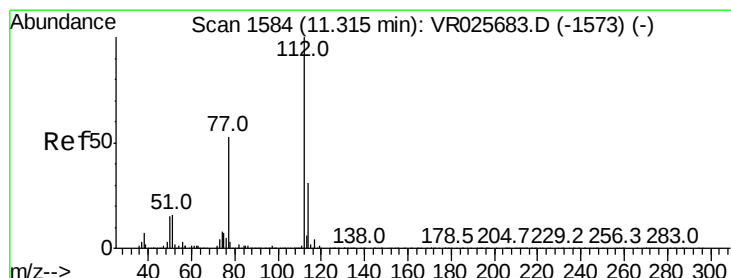
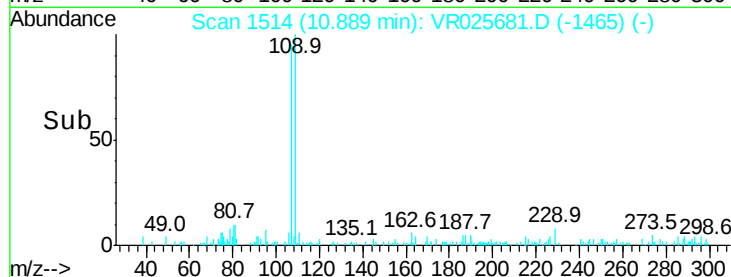
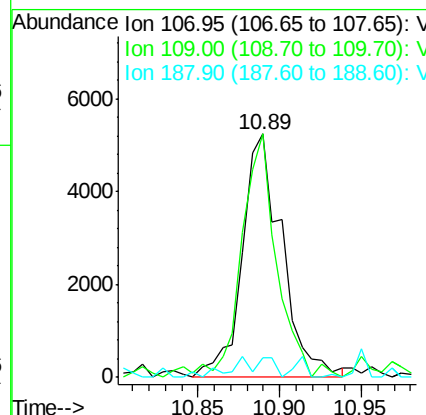
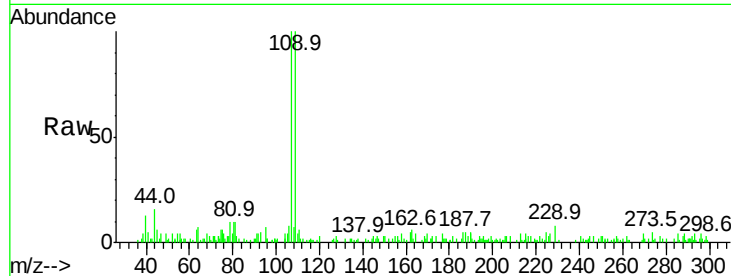




#50
1,2-Dibromoethane
Concen: 0.528 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR025681.D
Acq: 7 Sep 2018 9:24

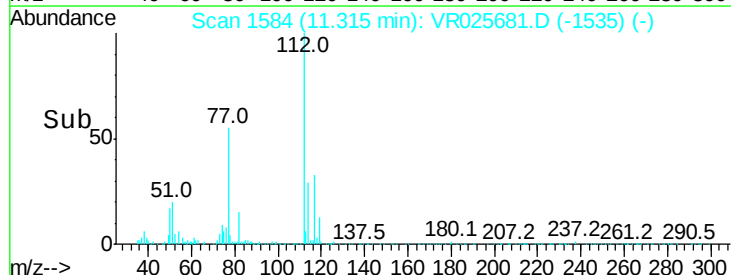
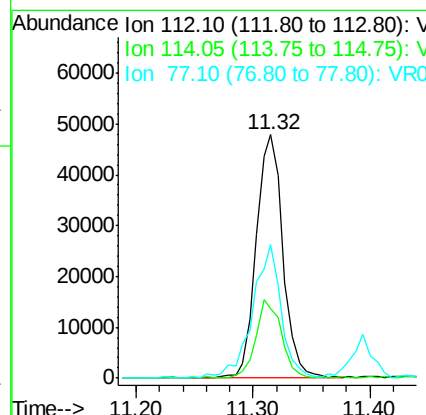
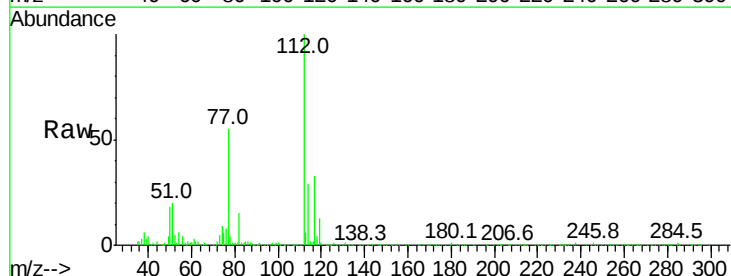
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.591

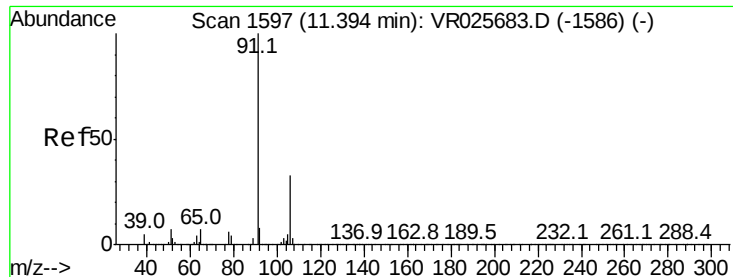
Tgt Ion	Ratio	Lower	Upper
107	100		
109	100.2	71.3	132.5
188	8.0	3.4	5.0#



#51
Chlorobenzene
Concen: 0.570 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR025681.D
Acq: 7 Sep 2018 9:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	27.1	21.8	40.6
77	55.4	42.4	63.6





#52

Ethylbenzene

Concen: 0.464 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

Instrument :

MSVOA_R

ClientSampleId :

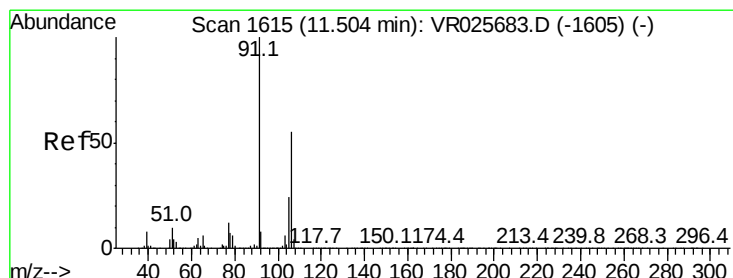
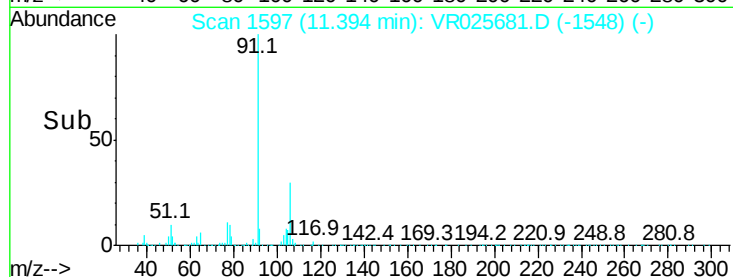
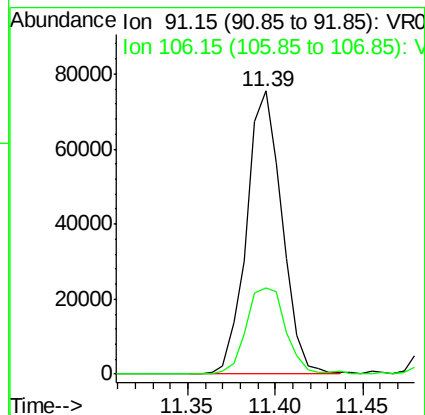
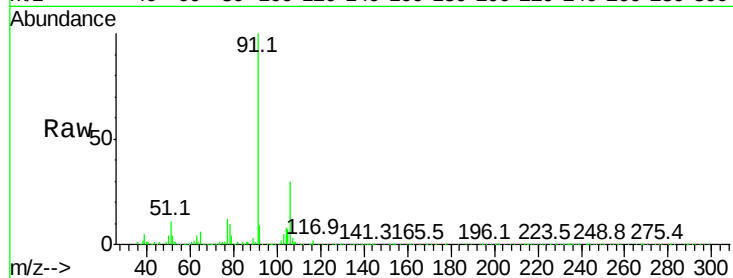
VSTD0.591

Tgt Ion: 91 Resp: 106541

Ion Ratio Lower Upper

91 100

106 30.5 22.7 42.3



#53

m,p-Xylene

Concen: 0.434 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025681.D

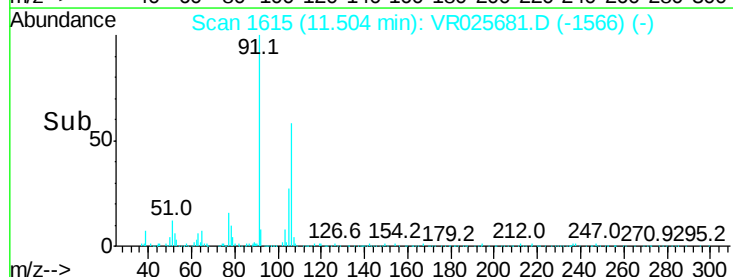
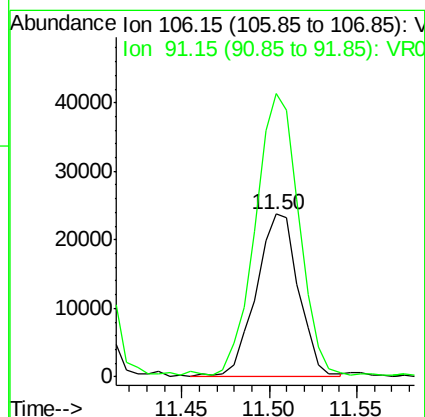
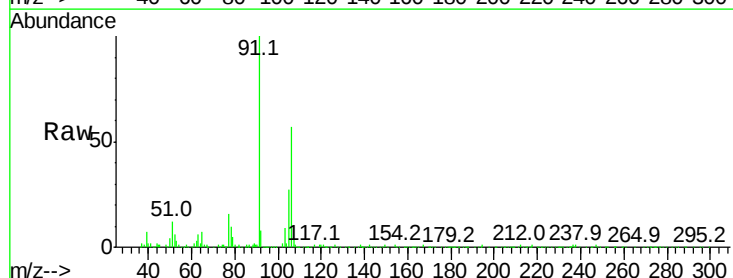
Acq: 7 Sep 2018 9:24

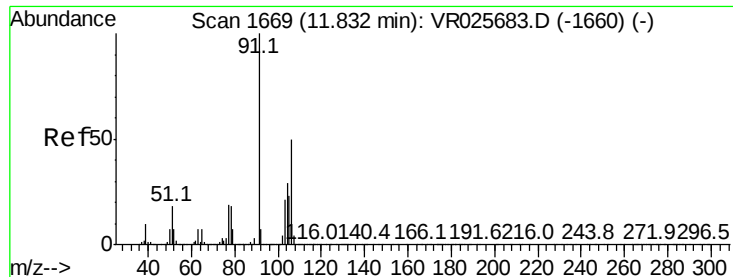
Tgt Ion: 106 Resp: 39965

Ion Ratio Lower Upper

106 100

91 174.0 128.7 238.9





#54

o-Xylene

Concen: 0.390 ug/L

RT: 11.83 min Scan# 1669

Delta R.T. 0.00 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

Instrument :

MSVOA_R

ClientSampleId :

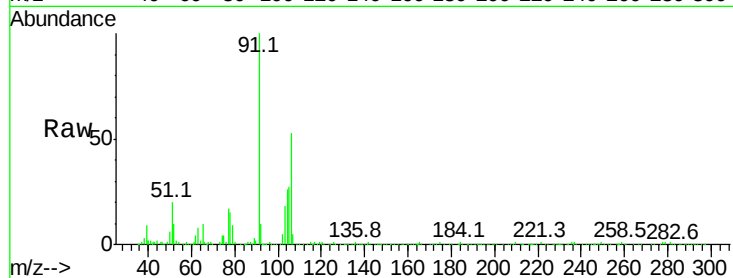
VSTD0.591

Tgt Ion:106 Resp: 31972

Ion Ratio Lower Upper

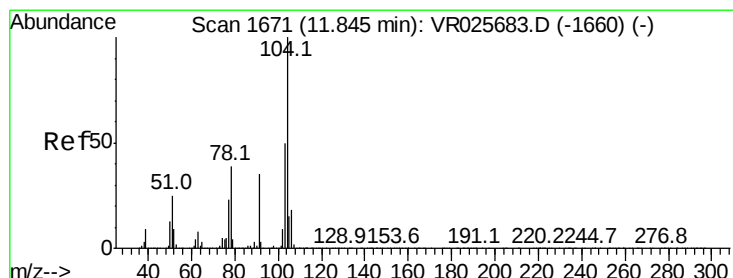
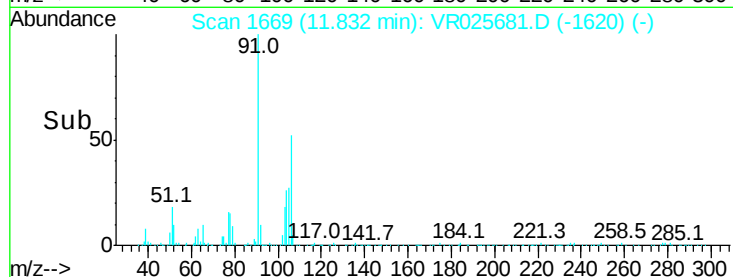
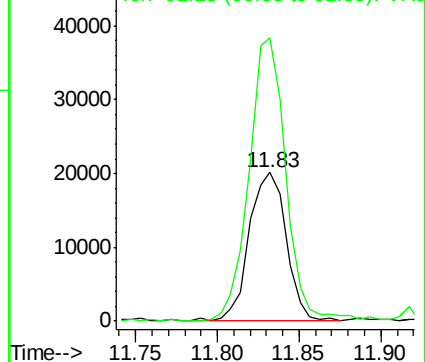
106 100

91 190.2 139.2 258.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 0.385 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR025681.D

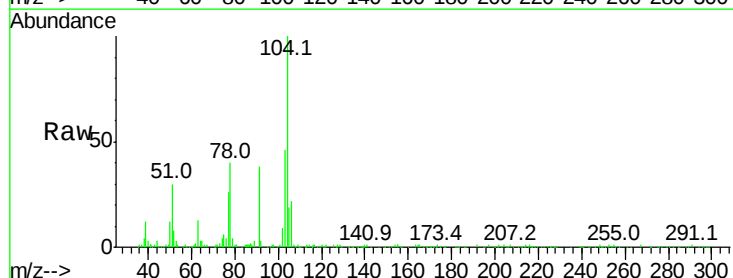
Acq: 7 Sep 2018 9:24

Tgt Ion:104 Resp: 51016

Ion Ratio Lower Upper

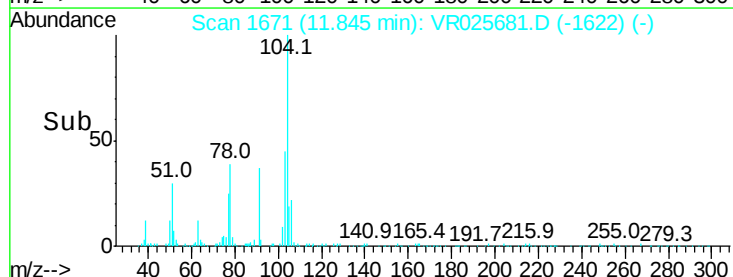
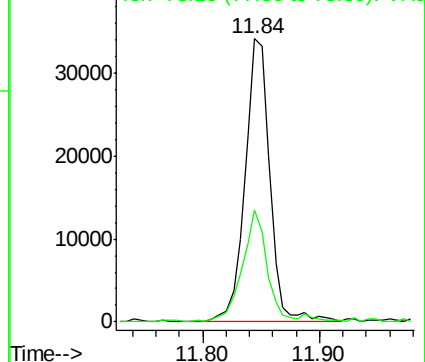
104 100

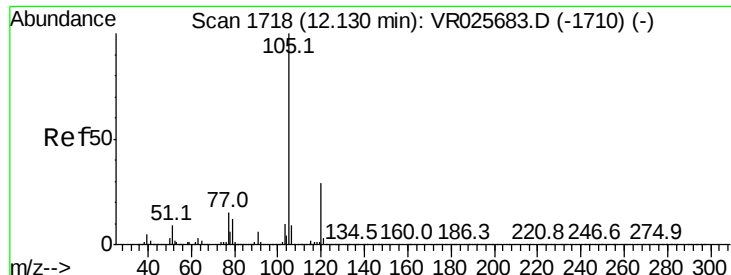
78 39.6 27.6 51.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 0.354 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.591

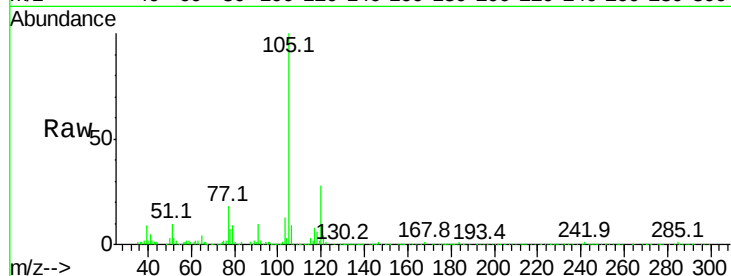
Tgt Ion: 105 Resp: 73485

Ion Ratio Lower Upper

105 100

120 29.3 22.8 34.2

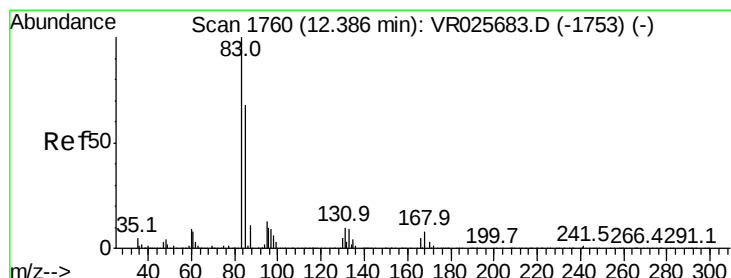
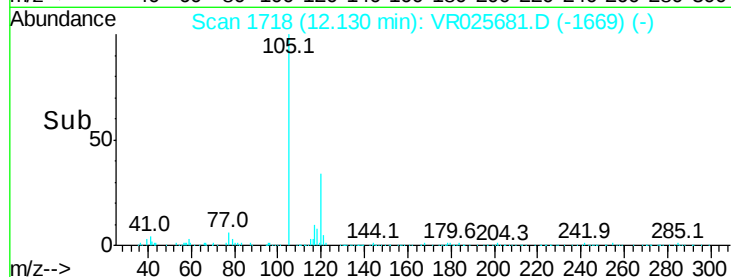
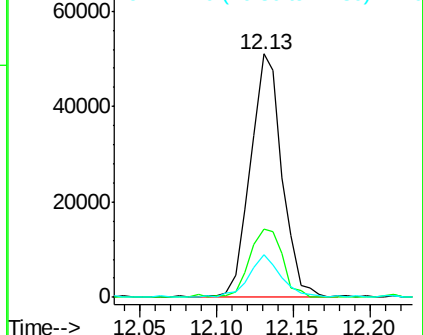
77 18.1 11.8 17.8#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.575 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

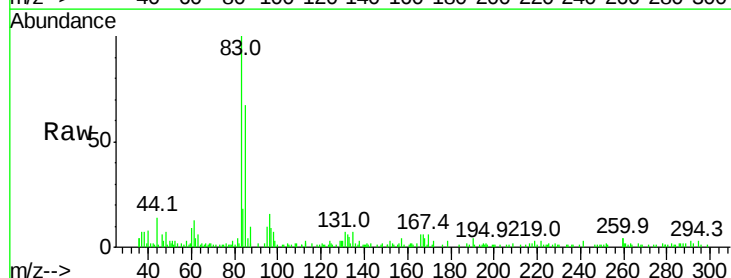
Tgt Ion: 83 Resp: 12634

Ion Ratio Lower Upper

83 100

85 66.5 47.9 88.9

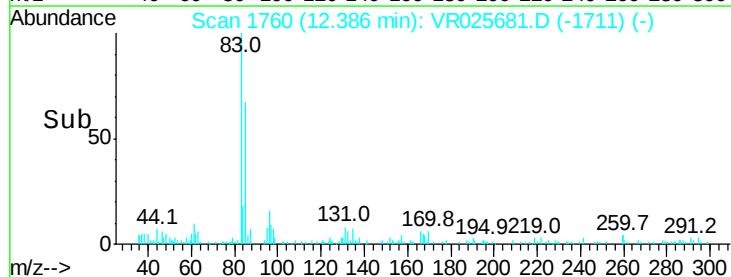
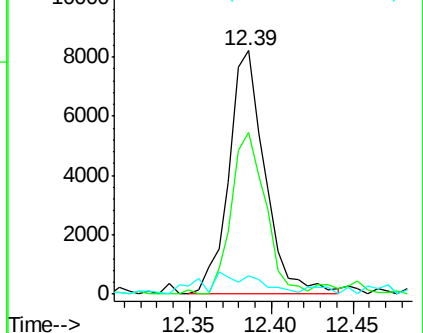
131 7.5 8.2 12.4#

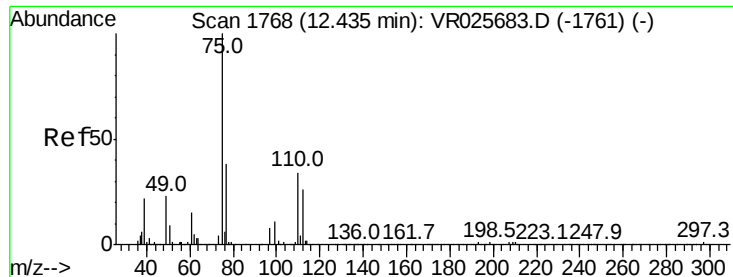


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.535 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

Instrument :

MSVOA_R

ClientSampled :

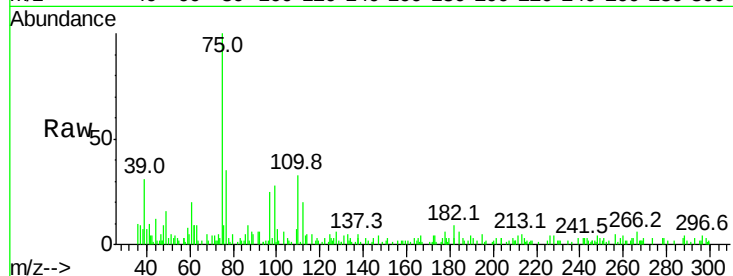
VSTD0.591

Tgt Ion: 75 Resp: 7986

Ion Ratio Lower Upper

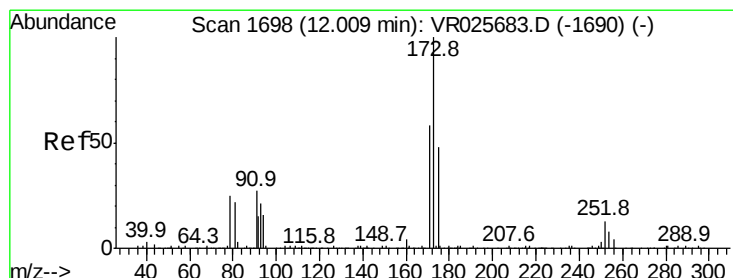
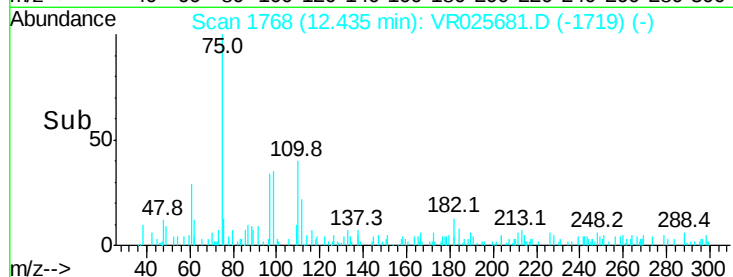
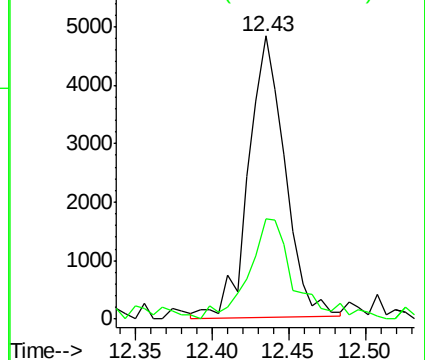
75 100

77 41.6 27.8 41.8



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 0.565 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

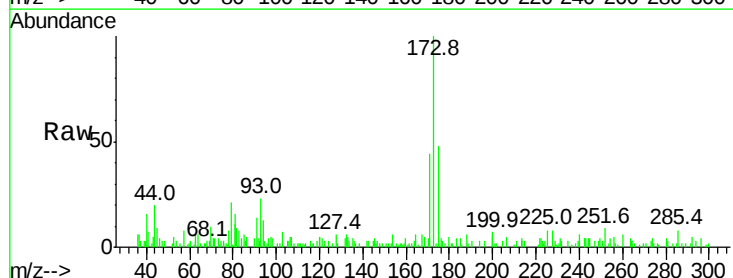
Tgt Ion: 173 Resp: 4920

Ion Ratio Lower Upper

173 100

175 52.7 41.9 62.9

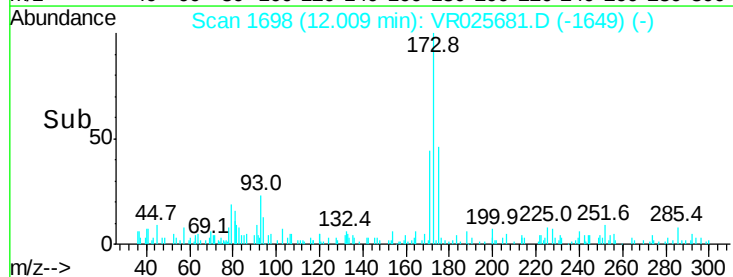
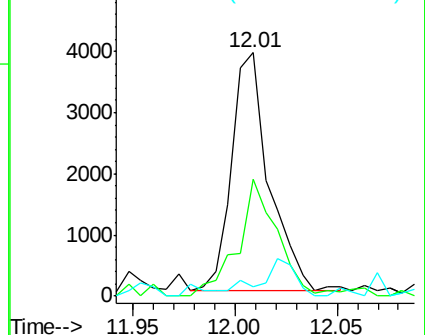
254 14.6 7.3 10.9#

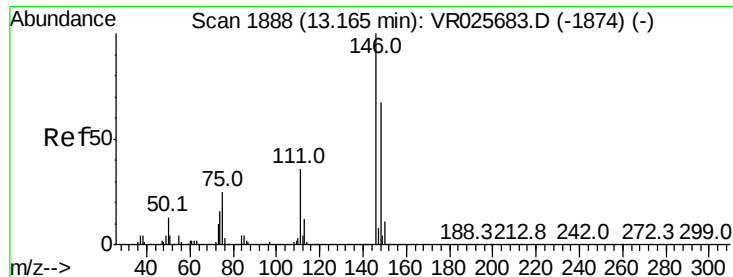


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 0.492 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.591

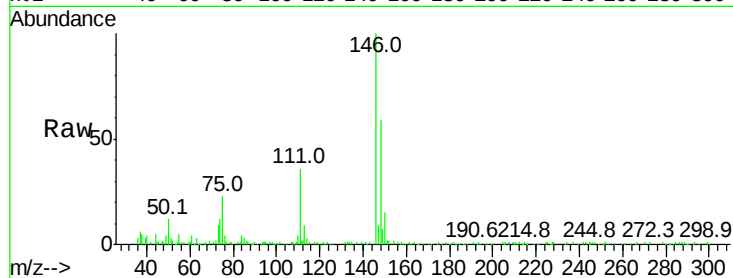
Tgt Ion:146 Resp: 32938

Ion Ratio Lower Upper

146 100

111 35.6 25.4 47.2

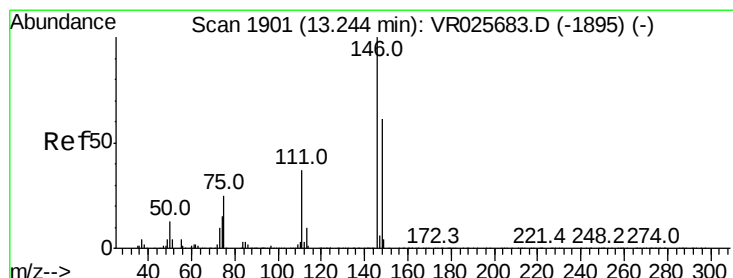
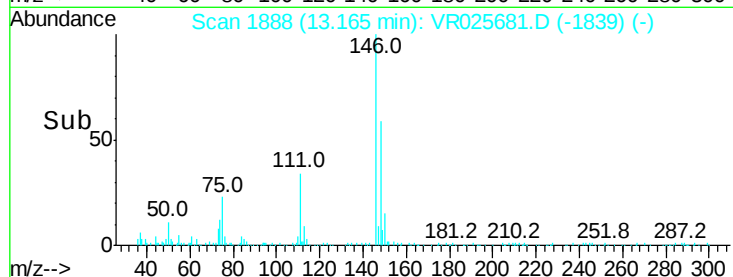
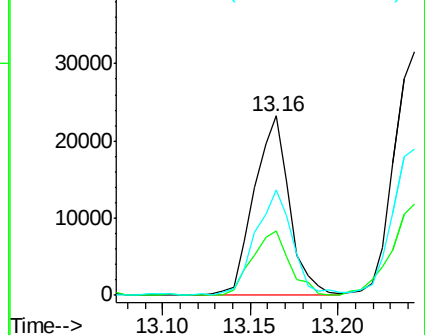
148 59.0 46.9 87.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.600 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

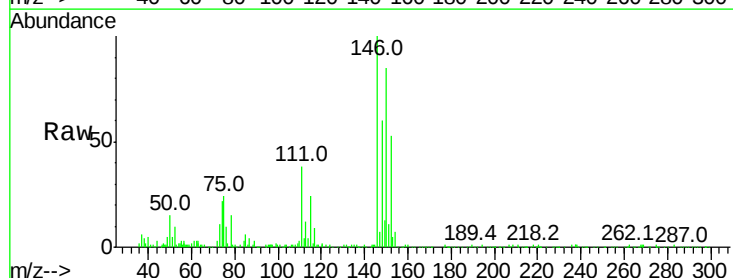
Tgt Ion:146 Resp: 44610

Ion Ratio Lower Upper

146 100

111 37.7 26.2 48.6

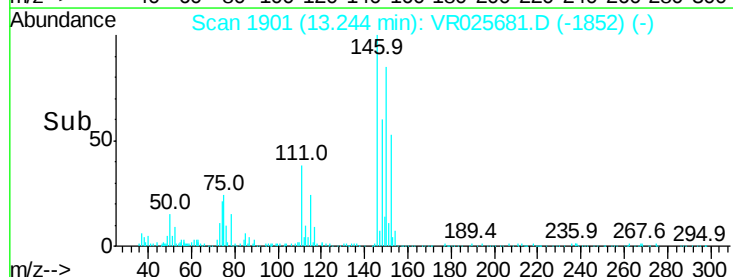
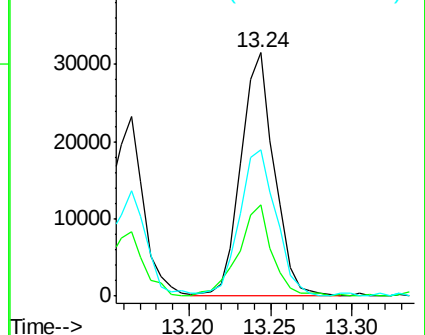
148 60.0 42.7 79.3

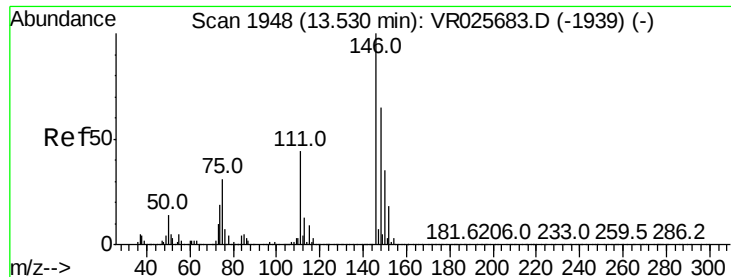


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.527 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

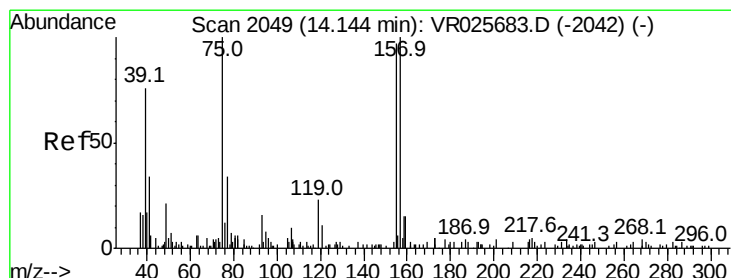
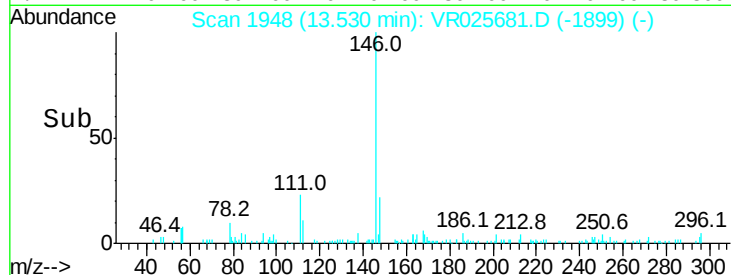
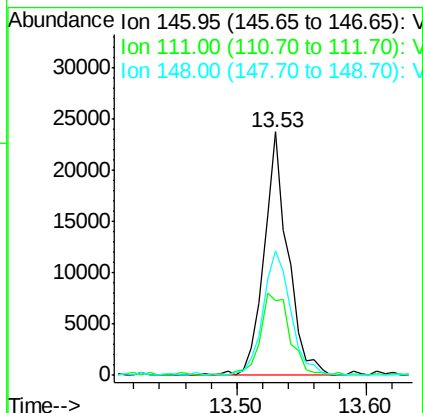
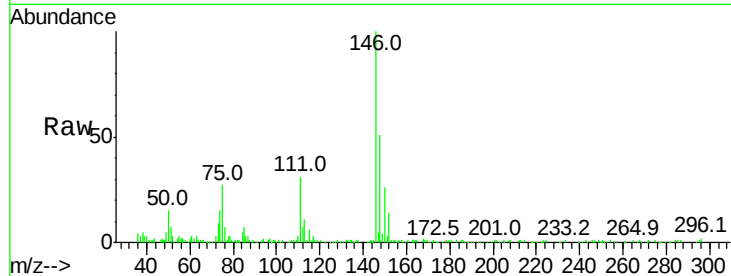
Instrument :

MSVOA_R

ClientSampleId :

VSTD0.591

Tgt Ion:	146	Resp:	30407
Ion Ratio	Lower	Upper	
146	100		
111	30.7	35.2	52.8#
148	51.2	52.1	78.1#



#66

1,2-Dibromo-3-chloropropane

Concen: 0.604 ug/L

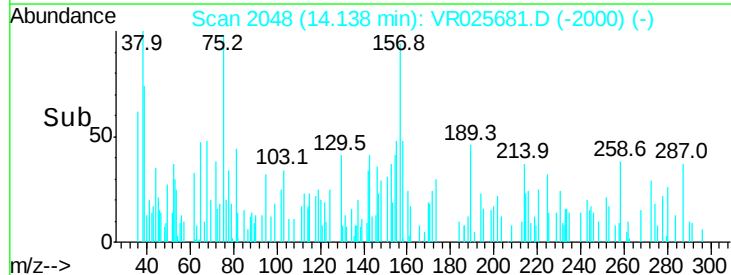
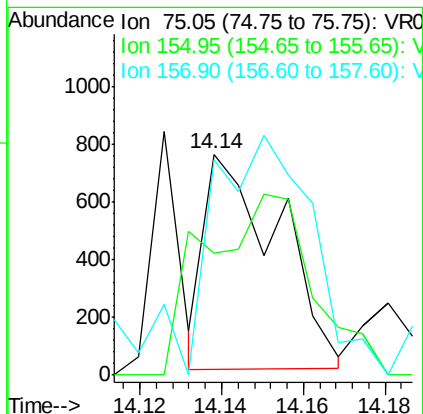
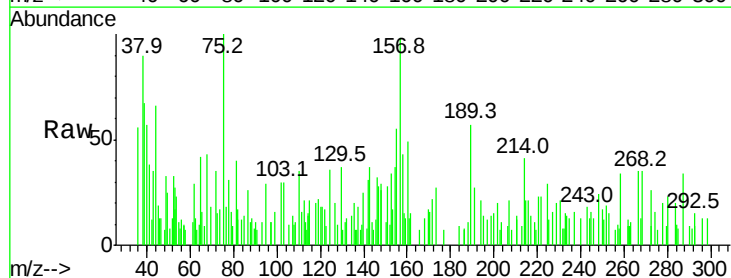
RT: 14.14 min Scan# 2048

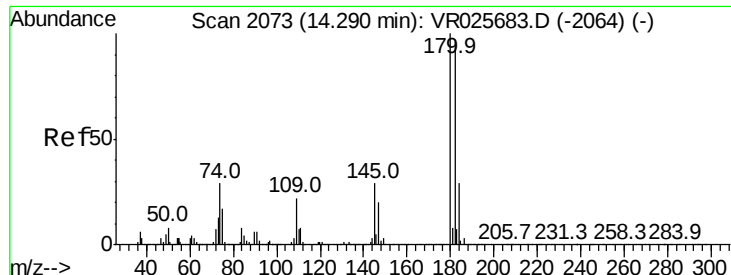
Delta R.T. -0.01 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

Tgt Ion:	75	Resp:	943
Ion Ratio	Lower	Upper	
75	100		
155	55.4	79.3	118.9#
157	97.7	81.4	122.2

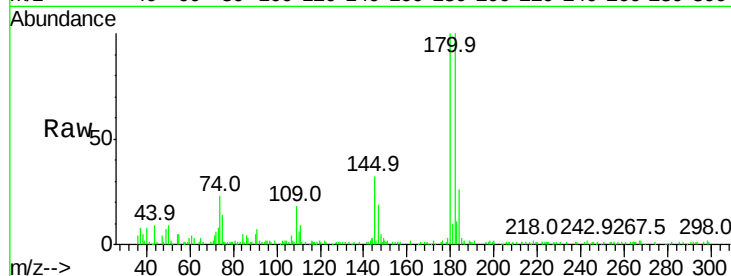




#67
 1,3,5-Trichlorobenzene
 Concen: 0.531 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR025681.D
 Acq: 7 Sep 2018 9:24

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.591

Tgt Ion:	180	Resp:	20083
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.9	113.9
184	34.6	24.0	36.0
145	29.2	23.0	34.4

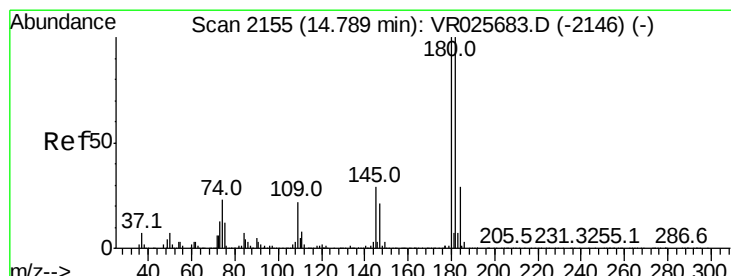
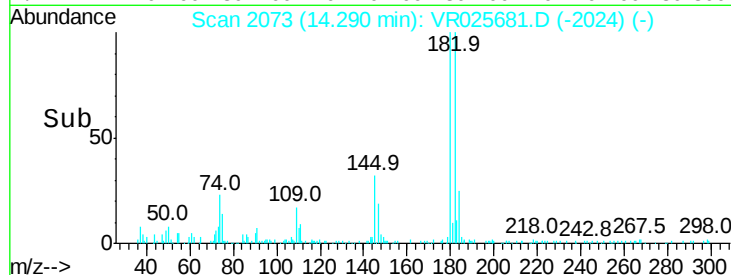
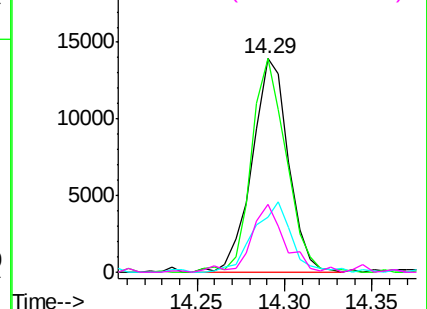


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

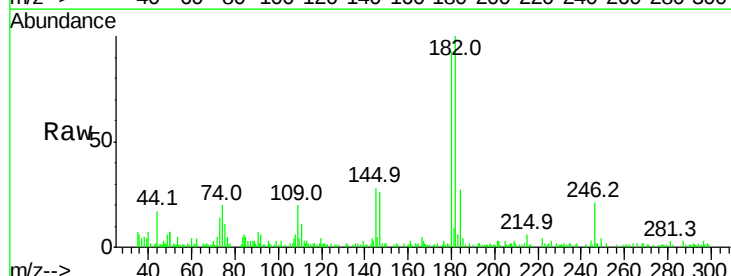
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.514 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VR025681.D
 Acq: 7 Sep 2018 9:24

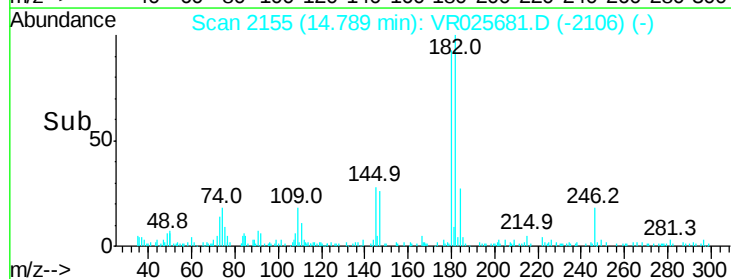
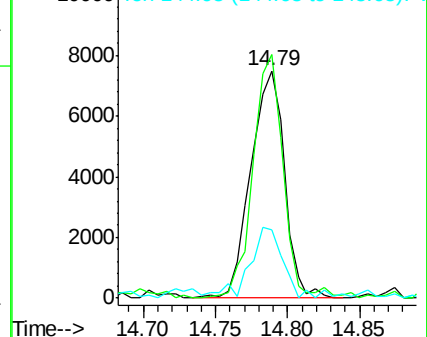
Tgt Ion:	180	Resp:	12059
Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.6	115.0
145	30.6	24.8	37.2

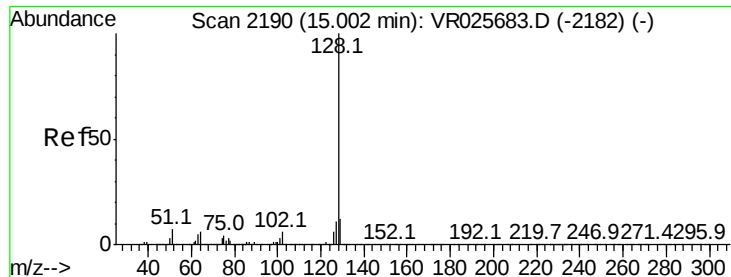


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.424 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

Instrument :

MSVOA_R

ClientSampled :

VSTD0.591

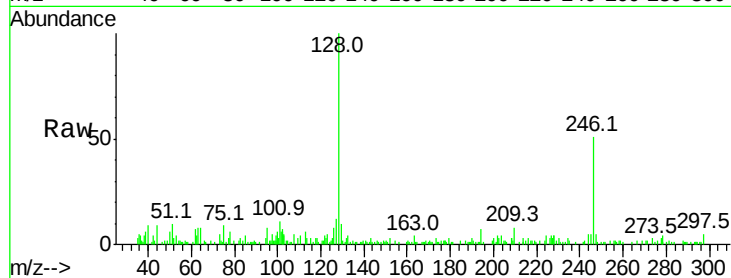
Tgt Ion:128 Resp: 12281

Ion Ratio Lower Upper

128 100

127 11.7 10.3 15.5

129 15.0 9.0 13.6#

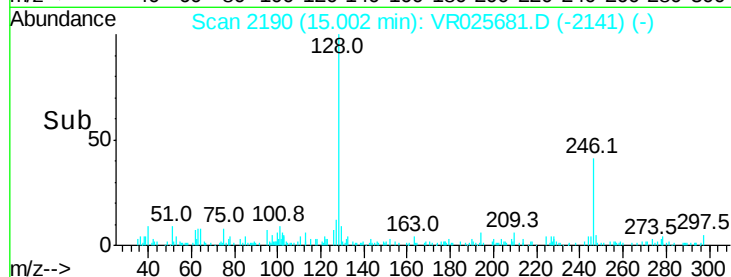


Abundance Ion 128.00 (127.70 to 128.70): V

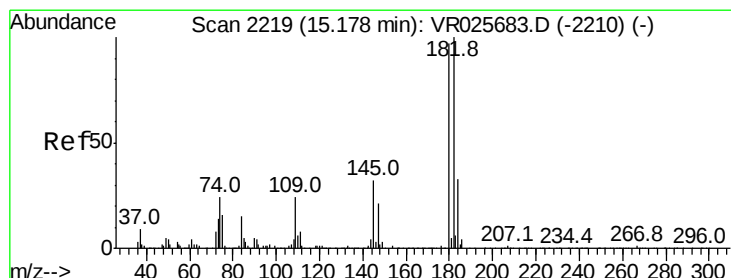
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

Time--> 14.90 15.00



Time--> 14.90 15.00



#70

1,2,3-Trichlorobenzene

Concen: 0.664 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025681.D

Acq: 7 Sep 2018 9:24

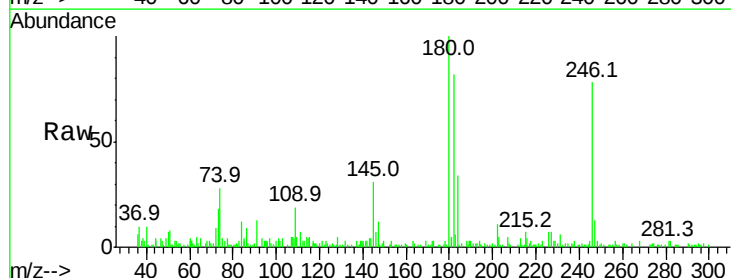
Tgt Ion:180 Resp: 12118

Ion Ratio Lower Upper

180 100

182 99.7 80.2 120.4

145 37.1 25.8 38.6

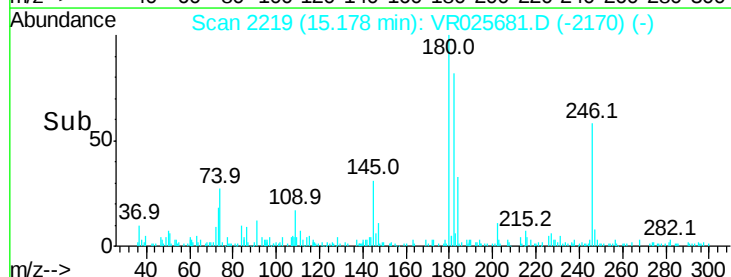


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

Time--> 15.10 15.15 15.20 15.25



Time--> 15.10 15.15 15.20 15.25