

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR090718\
 Data File : VR025690.D
 Acq On : 7 Sep 2018 17:07
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

Quant Time: Sep 08 03:05:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 08 02:10:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	681611	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	607297	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	258218	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	131998	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	2.63	69	115864	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	3.64	63	378564	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	6.60	46	127734	42.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.40%
24) Chloroform-d	7.20	84	313607	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	7.90	65	108202	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	7.85	84	782774	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	8.90	67	206703	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	9.97	98	756903	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	10.24	79	47427	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	10.59	63	170956	52.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.74%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	92425	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	163505	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	166710	4.796	ug/L 96
3) Chloromethane	2.01	50	212179	4.973	ug/L 93
5) Vinyl chloride	2.17	62	200344	4.724	ug/L 92
6) Bromomethane	2.52	94	150382	4.954	ug/L 91
8) Chloroethane	2.66	64	126971	5.099	ug/L 92
9) Trichlorofluoromethane	2.94	101	112124	1.434	ug/L # 13
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	215837	5.123	ug/L 97
12) 1,1-Dichloroethene	3.65	96	218438	4.913	ug/L 88
13) Acetone	3.70	43	90669	44.975	ug/L 99
14) Carbon disulfide	3.97	76	527282	5.026	ug/L # 93
15) Methyl Acetate	4.20	43	30786	4.283	ug/L 92
16) Methylene chloride	4.41	84	150192	3.815	ug/L 97
17) Methyl tert-butyl Ether	4.90	73	263814	4.823	ug/L 97
18) trans-1,2-Dichloroethene	4.89	96	267981	4.931	ug/L 95
19) 1,1-Dichloroethane	5.69	63	399390	4.766	ug/L 97
21) 2-Butanone	6.70	43	225045	52.896	ug/L 97
22) cis-1,2-Dichloroethene	6.67	96	243178	5.143	ug/L # 98

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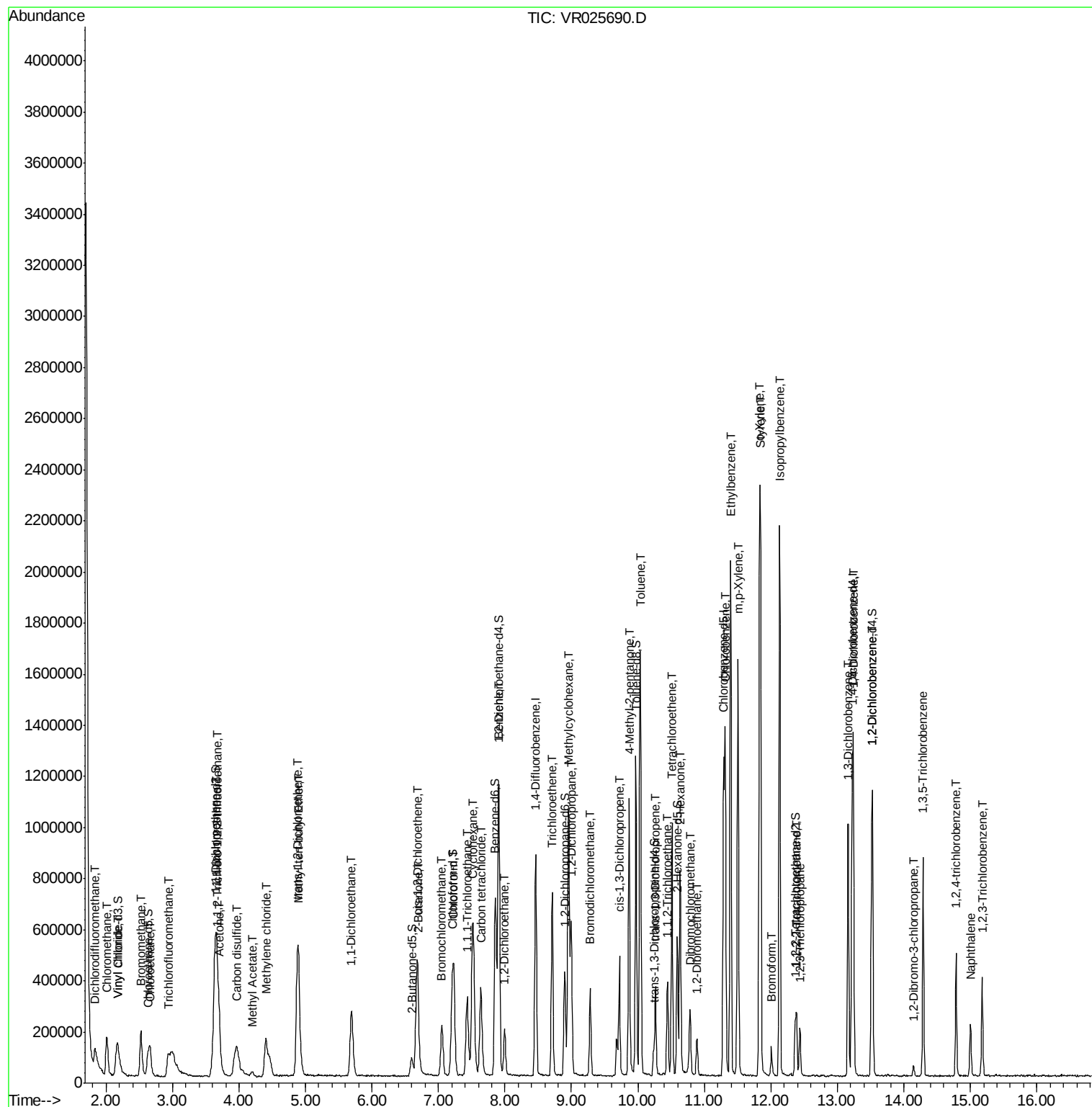
23) Bromochloromethane	7.05	128	79773	4.918	ug/L #	85
25) Chloroform	7.23	83	368361	4.811	ug/L	94
27) 1,2-Dichloroethane	7.99	62	148525	4.916	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	277753	4.591	ug/L	98
30) Cyclohexane	7.51	56	375440	5.165	ug/L	97
31) Carbon tetrachloride	7.63	117	285527	4.869	ug/L	95
33) Benzene	7.91	78	1066322	4.928	ug/L	100
34) Trichloroethene	8.71	95	236383	4.508	ug/L	99
35) Methylcyclohexane	8.96	83	421013	5.202	ug/L	98
37) 1,2-Dichloropropane	9.00	63	230257	4.721	ug/L	98
38) Bromodichloromethane	9.28	83	210203	4.799	ug/L	90
39) cis-1,3-Dichloropropene	9.72	75	256743	5.147	ug/L	100
40) 4-Methyl-2-pentanone	9.87	43	675080	55.990	ug/L	97
42) Toluene	10.04	91	1153101	5.207	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	172961	4.930	ug/L	92
45) 1,1,2-Trichloroethane	10.45	97	109878	4.809	ug/L	97
47) Tetrachloroethene	10.51	164	210180	4.894	ug/L	98
48) 2-Hexanone	10.63	43	463336	54.795	ug/L	99
49) Dibromochloromethane	10.79	129	123841	5.089	ug/L	97
50) 1,2-Dibromoethane	10.89	107	88519	4.877	ug/L #	91
51) Chlorobenzene	11.32	112	679293	4.879	ug/L	96
52) Ethylbenzene	11.39	91	1265087	5.302	ug/L	99
53) m,p-Xylene	11.50	106	498892	5.196	ug/L	100
54) o-Xylene	11.83	106	458582	5.421	ug/L	98
55) Styrene	11.84	104	746217	5.478	ug/L	99
56) Isopropylbenzene	12.13	105	1206825	5.725	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	113690	5.109	ug/L #	94
59) 1,2,3-Trichloropropane	12.43	75	71933	4.806	ug/L	97
61) Bromoform	12.01	173	50366	4.559	ug/L	95
62) 1,3-Dichlorobenzene	13.16	146	395040	4.898	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	427809	4.663	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	338465	4.864	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.14	75	9117	4.455	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	239948	5.004	ug/L	100
68) 1,2,4-trichlorobenzene	14.78	180	135861	4.619	ug/L	97
69) Naphthalene	15.00	128	150248	4.566	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	116987	5.024	ug/L	93

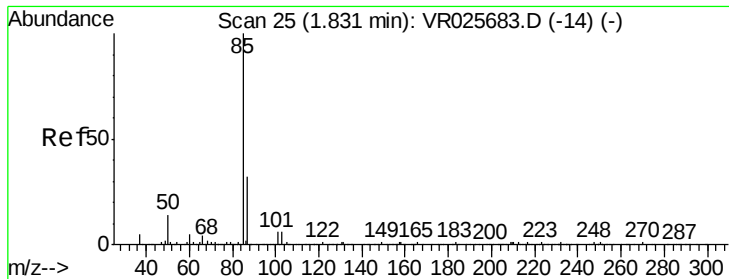
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.796 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.01 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

Instrument :

MSVOA_R

ClientSampleId :

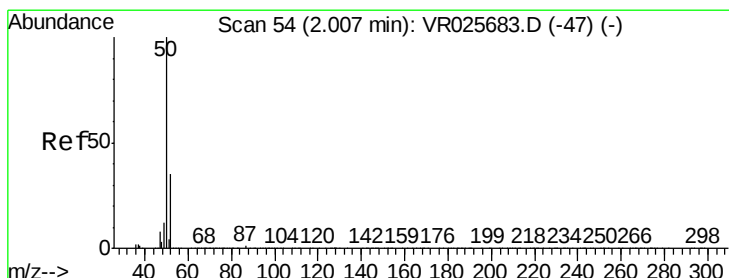
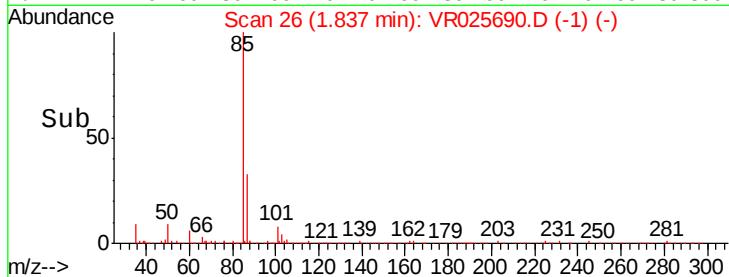
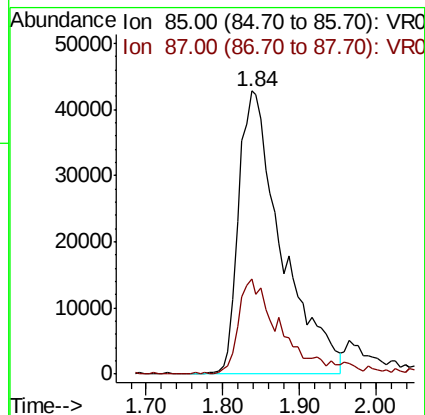
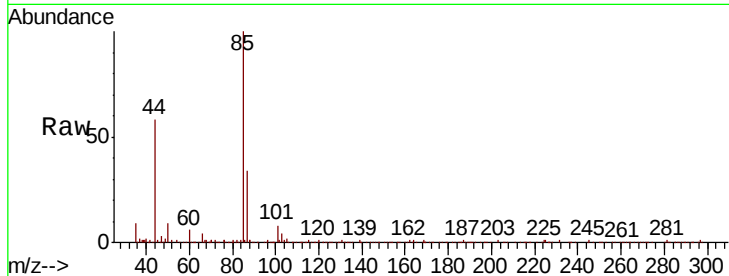
VSTD00591

Tgt Ion: 85 Resp: 166710

Ion Ratio Lower Upper

85 100

87 29.6 25.3 37.9



#3

Chloromethane

Concen: 4.973 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.01 min

Lab File: VR025690.D

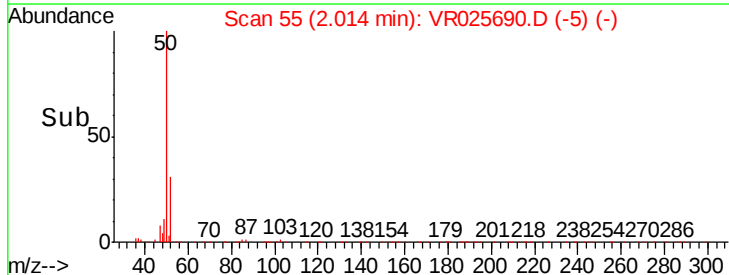
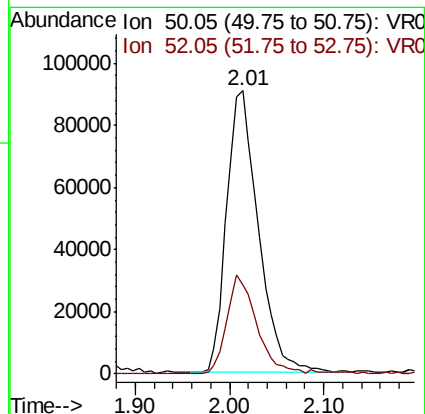
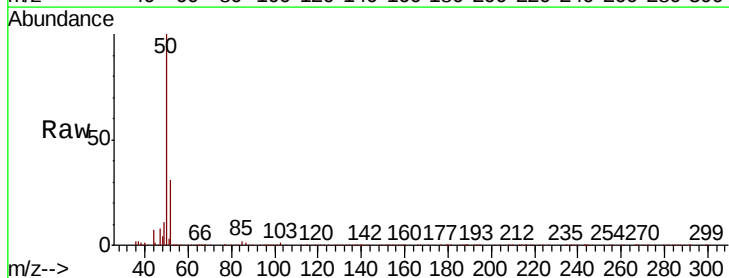
Acq: 7 Sep 2018 17:07

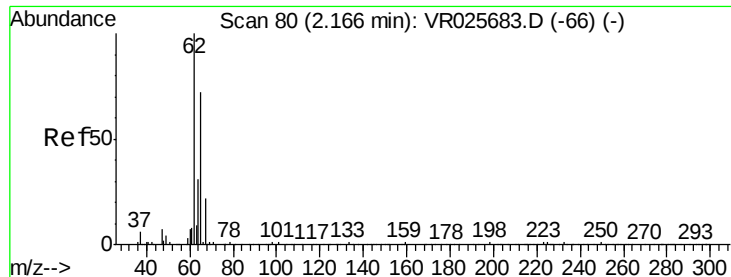
Tgt Ion: 50 Resp: 212179

Ion Ratio Lower Upper

50 100

52 31.3 24.6 45.8





#5

Vinyl chloride

Concen: 4.724 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

Instrument :

MSVOA_R

ClientSampleId :

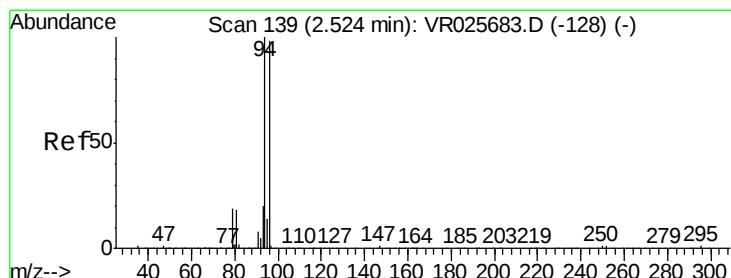
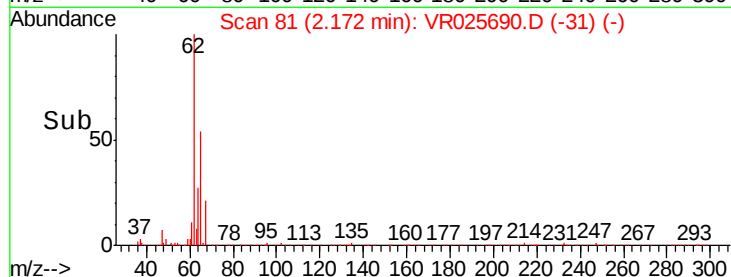
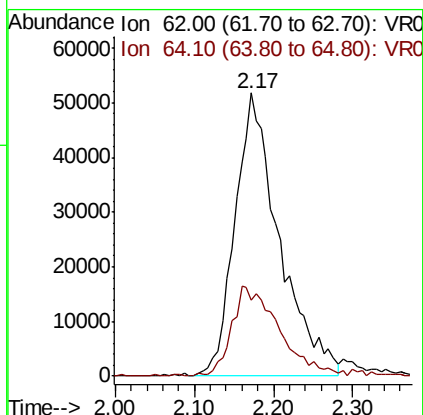
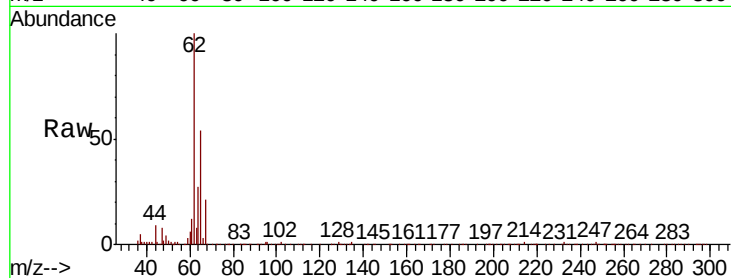
VSTD00591

Tgt Ion: 62 Resp: 200344

Ion Ratio Lower Upper

62 100

64 26.8 22.0 40.8



#6

Bromomethane

Concen: 4.954 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR025690.D

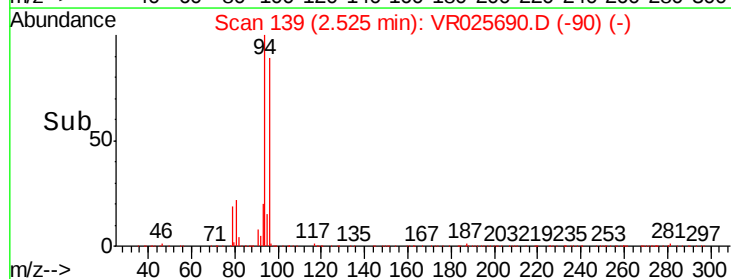
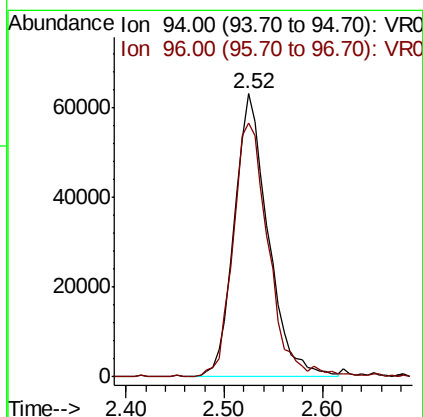
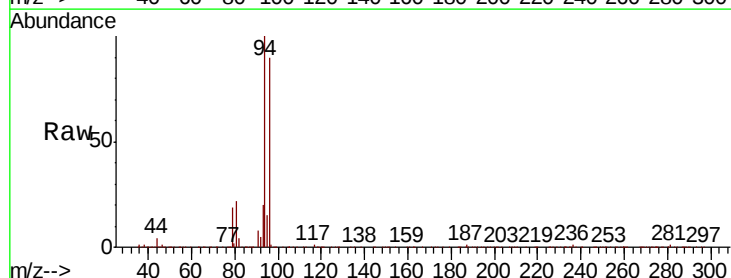
Acq: 7 Sep 2018 17:07

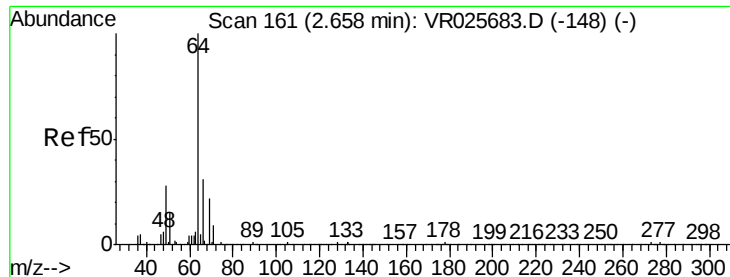
Tgt Ion: 94 Resp: 150382

Ion Ratio Lower Upper

94 100

96 89.7 68.9 127.9





#8

Chloroethane

Concen: 5.099 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.01 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

Instrument :

MSVOA_R

ClientSampleId :

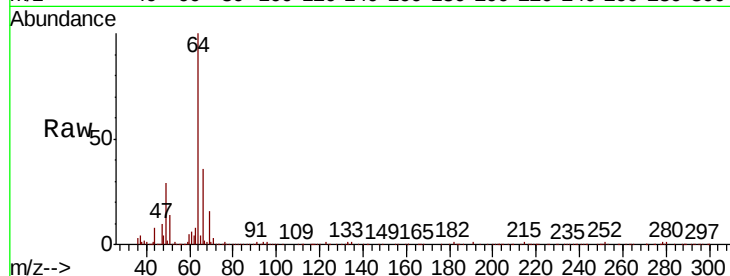
VSTD00591

Tgt Ion: 64 Resp: 126971

Ion Ratio Lower Upper

64 100

66 35.8 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.66

50000

40000

30000

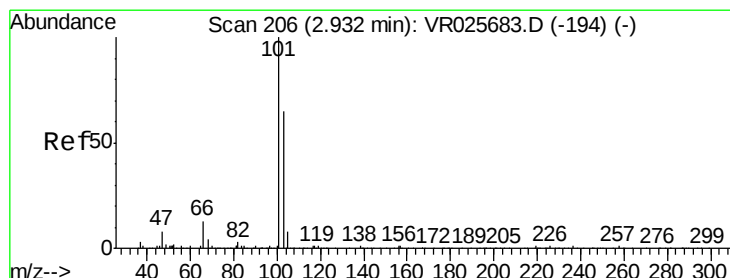
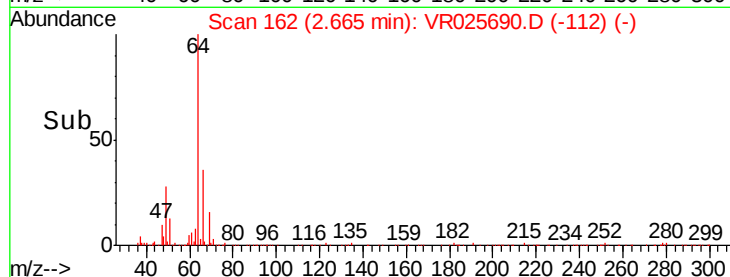
20000

10000

0

Time-->

2.50 2.60 2.70 2.80



#9

Trichlorofluoromethane

Concen: 1.434 ug/L

RT: 2.94 min Scan# 208

Delta R.T. 0.01 min

Lab File: VR025690.D

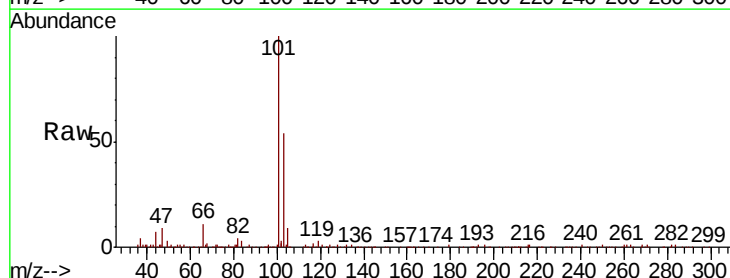
Acq: 7 Sep 2018 17:07

Tgt Ion: 101 Resp: 112124

Ion Ratio Lower Upper

101 100

103 54.0 13.2 19.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.94

50000

40000

30000

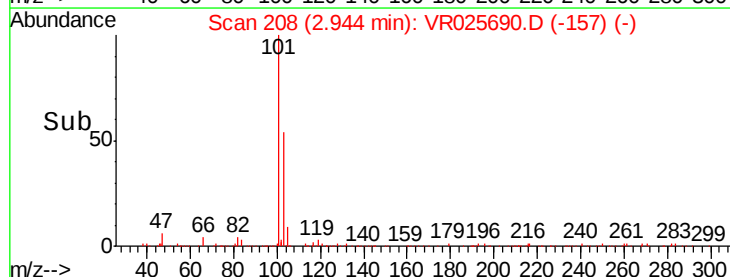
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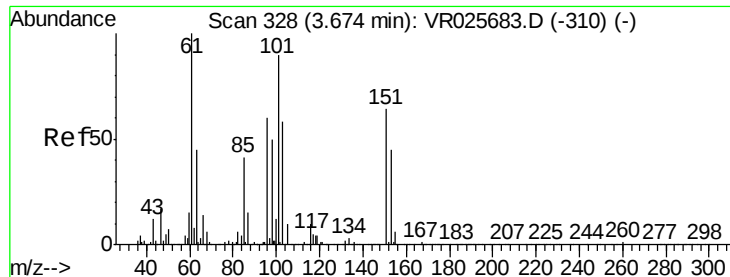
10000

0

Time-->

2.85 2.90 2.95





#10

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

Concen: 5.123 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.01 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

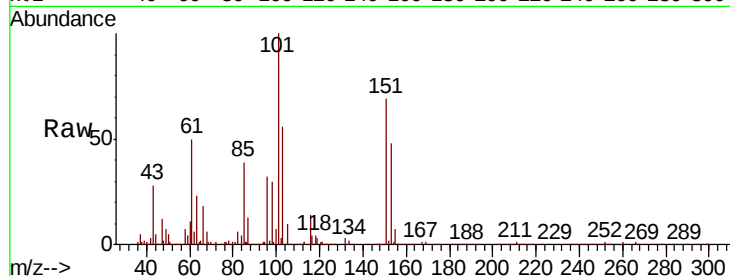
Instrument :

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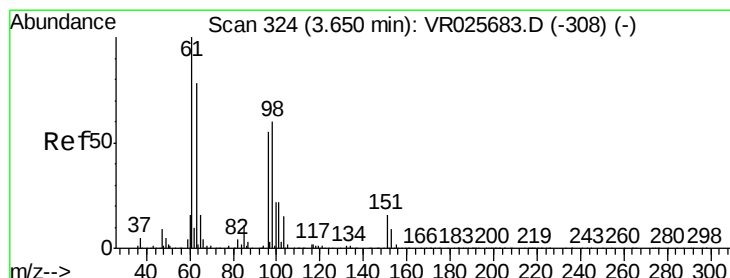
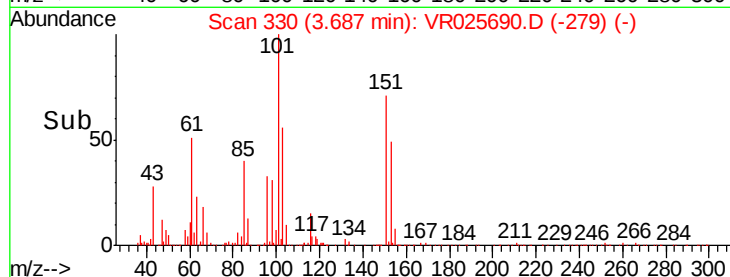
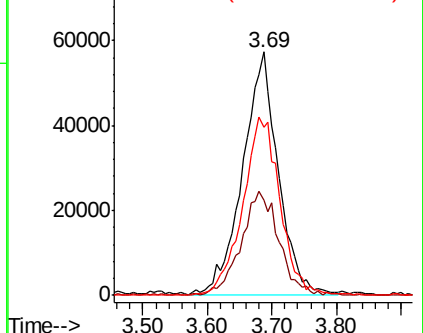
Tgt Ion:	101	Resp:	215837
Ion Ratio	Lower	Upper	
101	100		
85	45.4	38.1	57.1
151	77.4	60.3	90.5



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: 4.913 ug/L

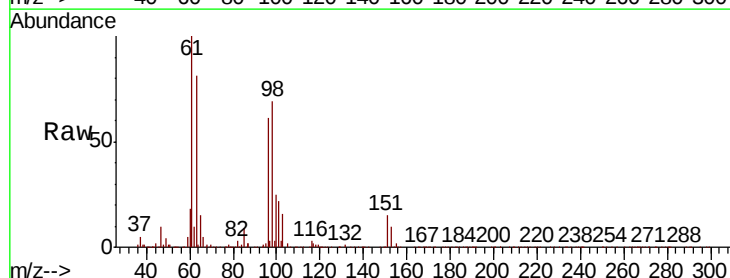
RT: 3.65 min Scan# 324

Delta R.T. 0.00 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

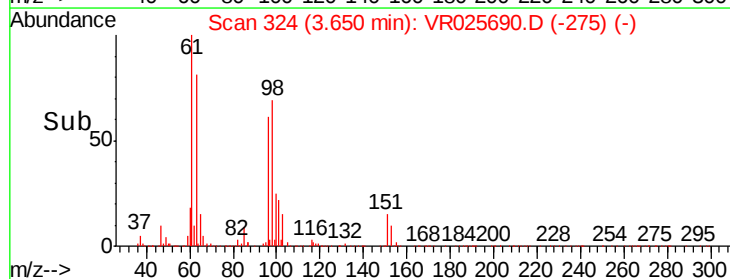
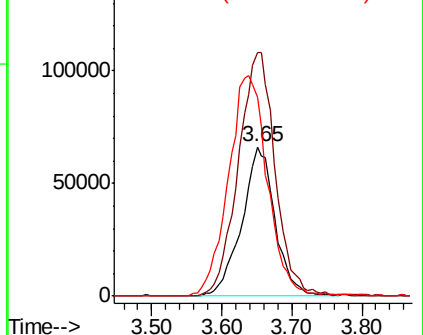
Tgt Ion:	96	Resp:	218438
Ion Ratio	Lower	Upper	
96	100		
61	163.1	128.4	238.4
63	132.9	101.1	187.7

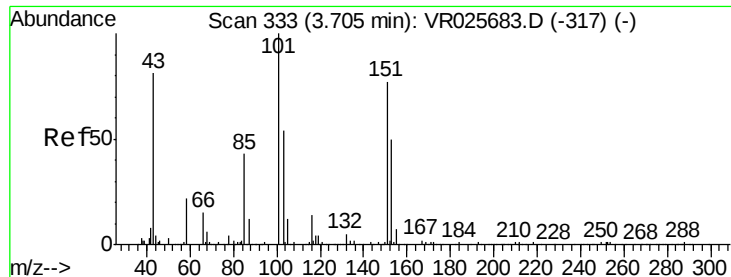


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 44.975 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.00 min

Lab File: VR025690.D

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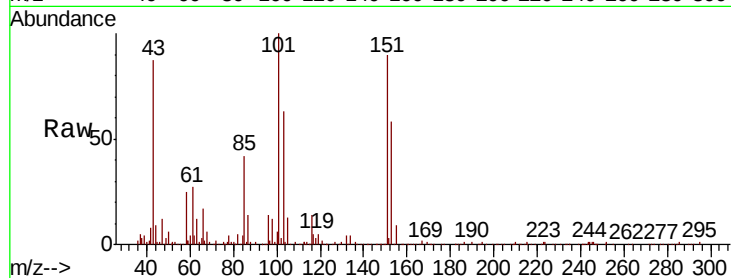
VSTD00591

Tgt Ion: 43 Resp: 90669

Ion Ratio Lower Upper

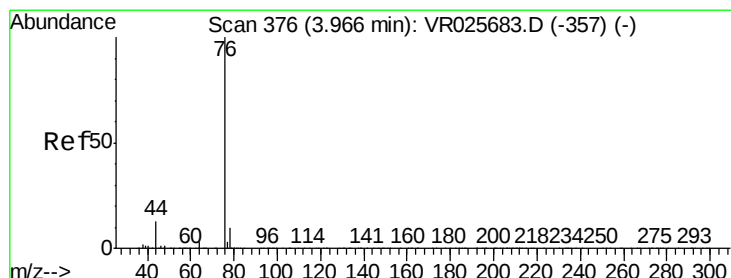
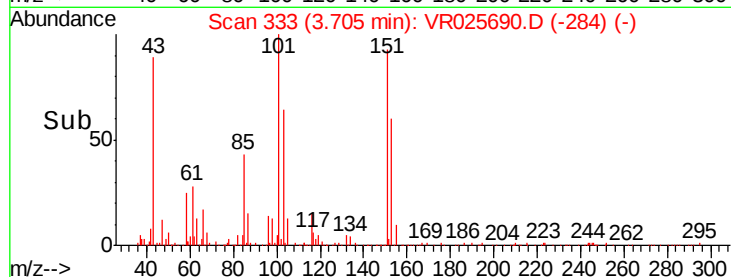
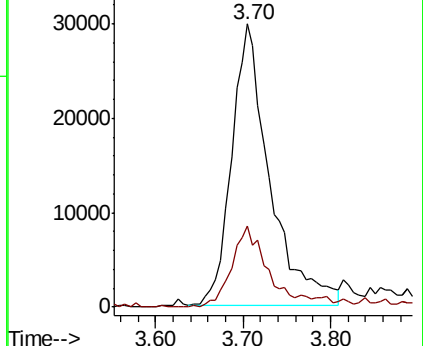
43 100

58 27.1 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: 5.026 ug/L

RT: 3.97 min Scan# 376

Delta R.T. 0.00 min

Lab File: VR025690.D

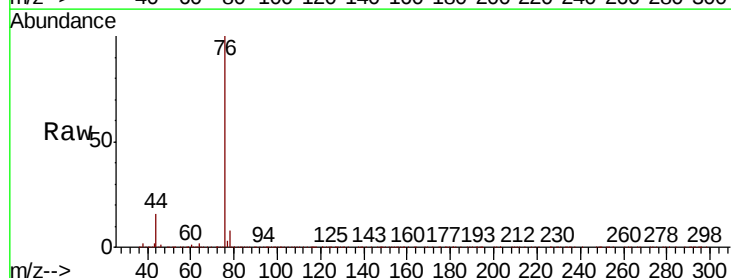
Acq: 7 Sep 2018 17:07

Tgt Ion: 76 Resp: 527282

Ion Ratio Lower Upper

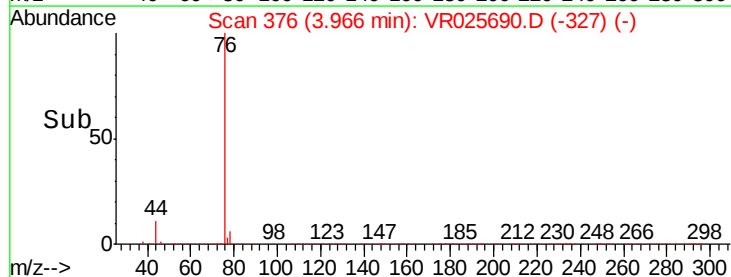
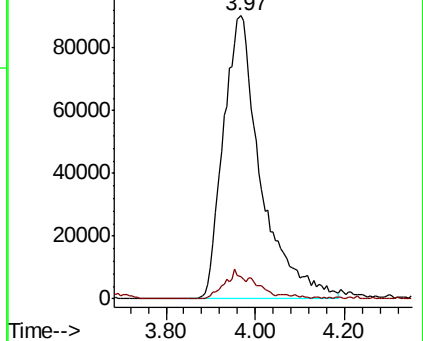
76 100

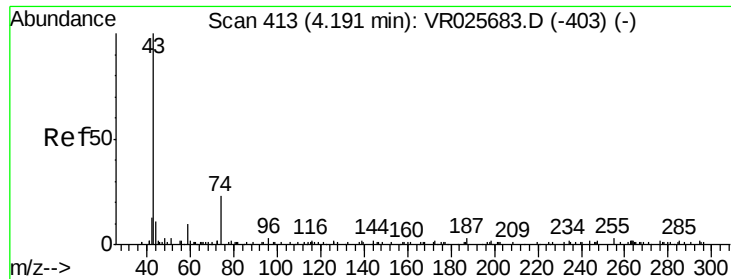
78 7.9 8.6 12.8#



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

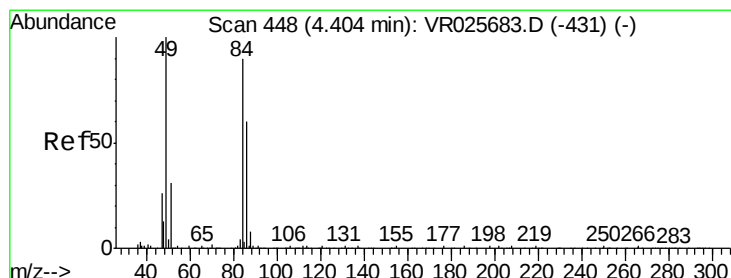
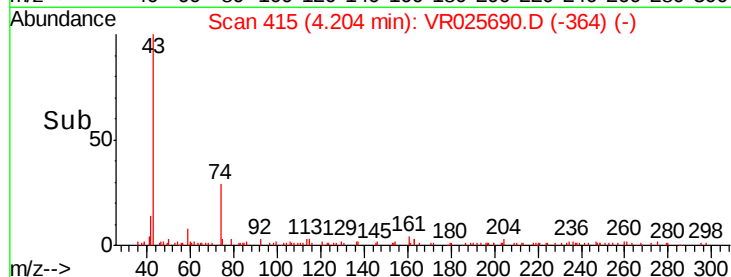
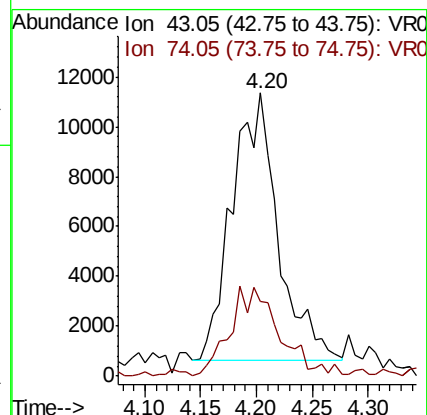
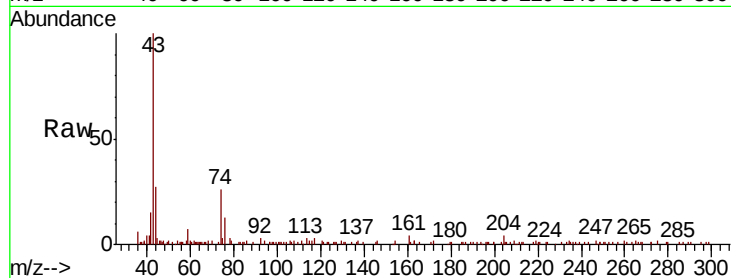




#15
Methyl Acetate
Concen: 4.283 ug/L
RT: 4.20 min Scan# 415
Delta R.T. 0.01 min
Lab File: VR025690.D
Acq: 7 Sep 2018 17:07

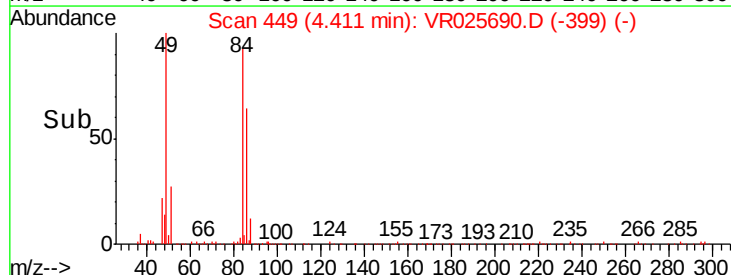
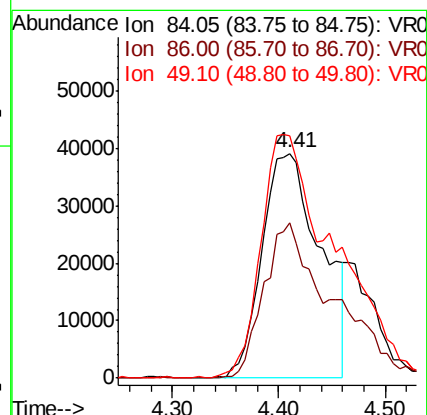
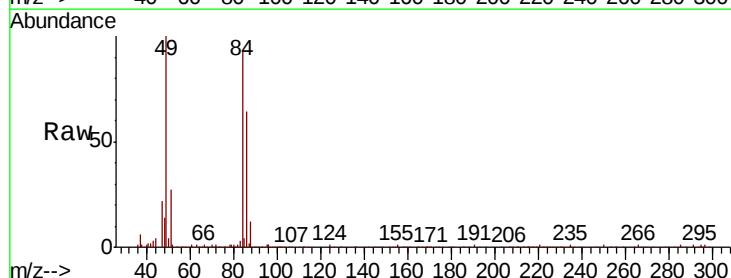
Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

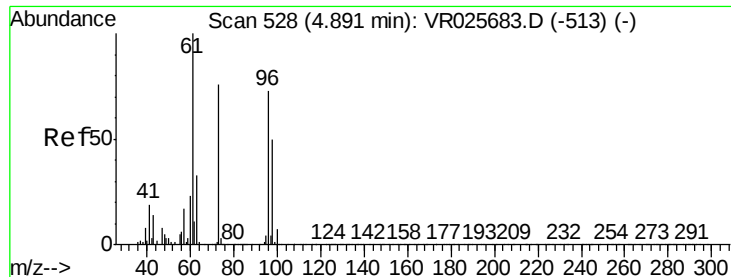
Tgt Ion: 43 Resp: 30786
Ion Ratio Lower Upper
43 100
74 34.6 24.2 36.4



#16
Methylene chloride
Concen: 3.815 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.01 min
Lab File: VR025690.D
Acq: 7 Sep 2018 17:07

Tgt Ion: 84 Resp: 150192
Ion Ratio Lower Upper
84 100
86 69.1 46.5 86.3
49 107.6 77.4 143.8



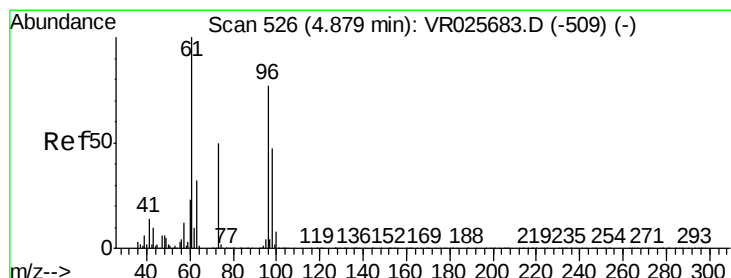
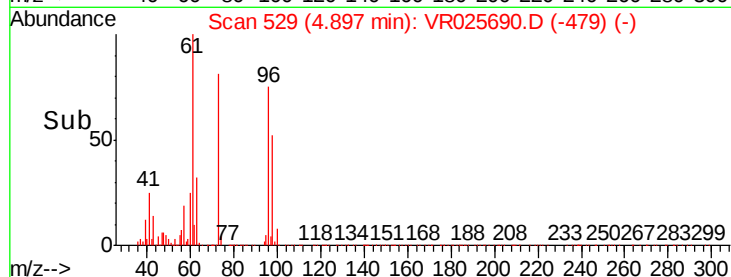
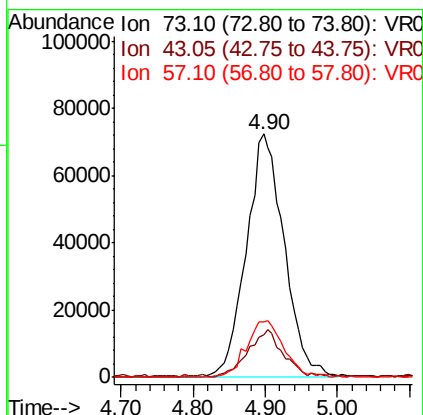
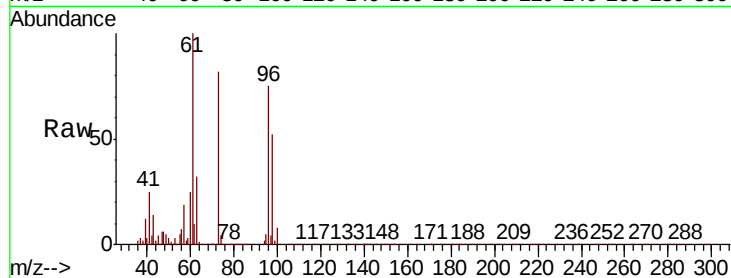


#17

Methyl tert-butyl Ether
Concen: 4.823 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.01 min
Lab File: VR025690.D
Acq: 7 Sep 2018 17:07

Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

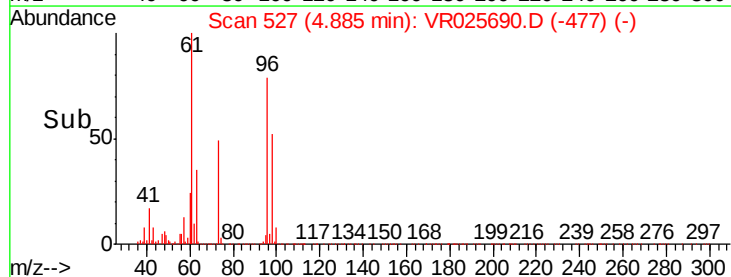
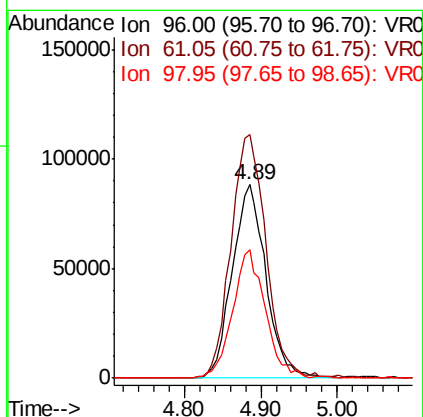
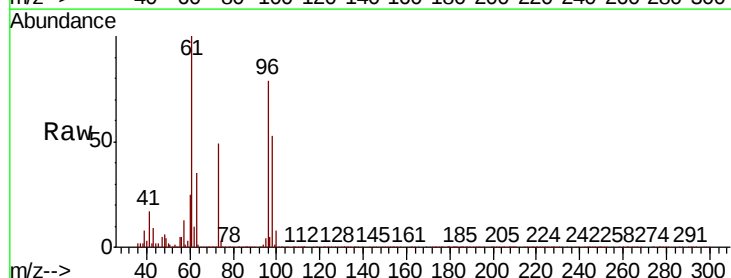
Tgt Ion	Ratio	Lower	Upper
73	100		
43	17.5	15.1	22.7
57	23.2	19.5	29.3

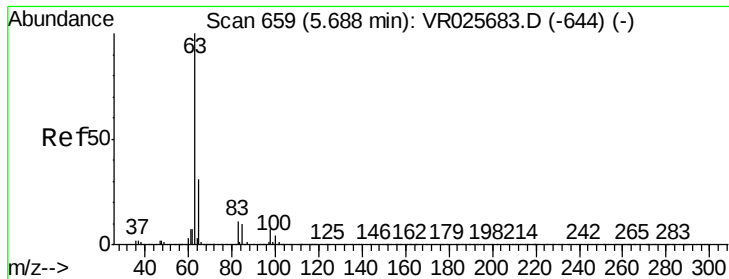


#18

trans-1,2-Dichloroethene
Concen: 4.931 ug/L
RT: 4.89 min Scan# 527
Delta R.T. 0.01 min
Lab File: VR025690.D
Acq: 7 Sep 2018 17:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.1	91.3	169.6
98	66.4	43.2	80.2

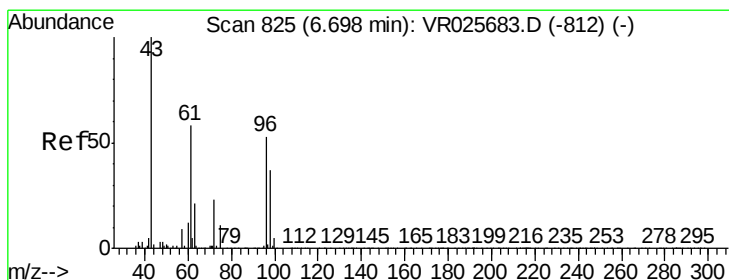
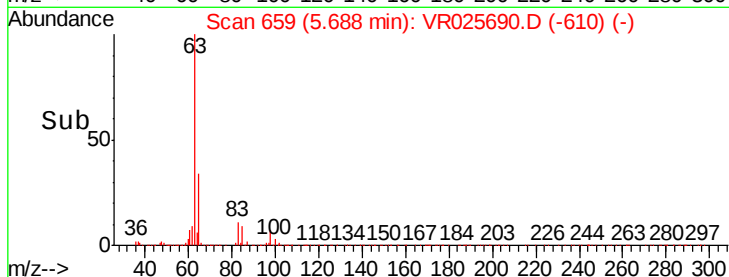
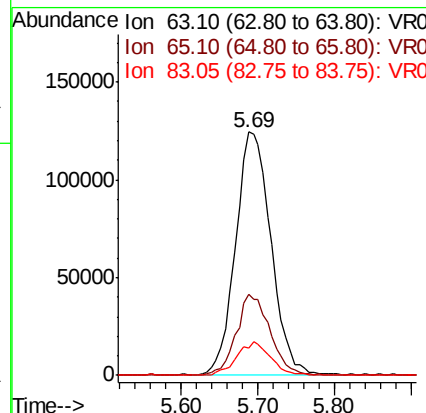
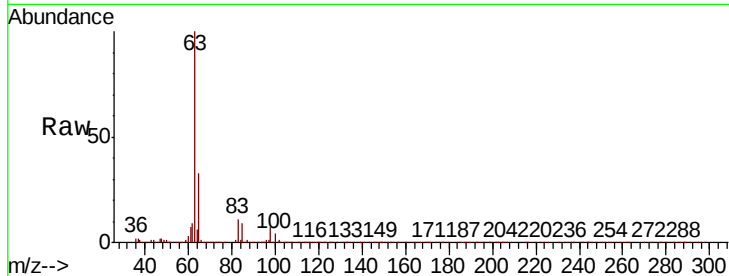




#19
 1,1-Dichloroethane
 Concen: 4.766 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VR025690.D
 Acq: 7 Sep 2018 17:07

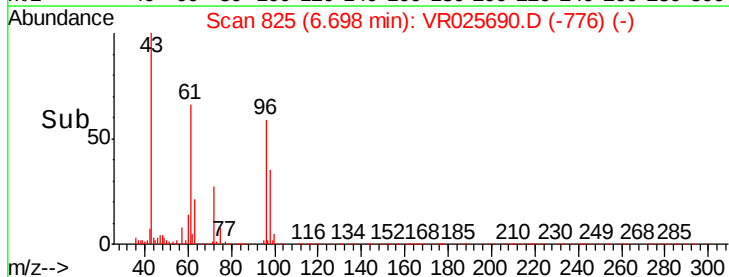
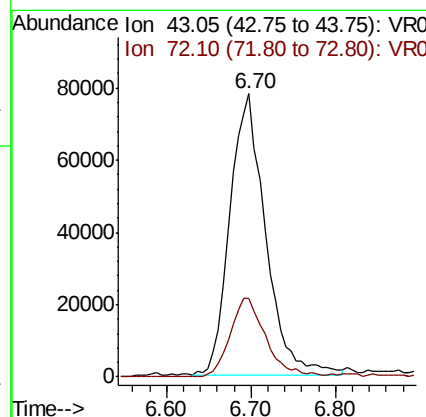
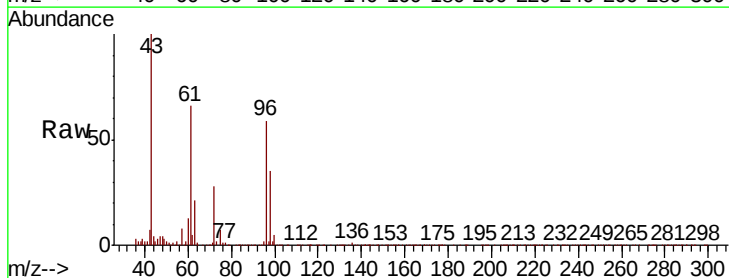
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

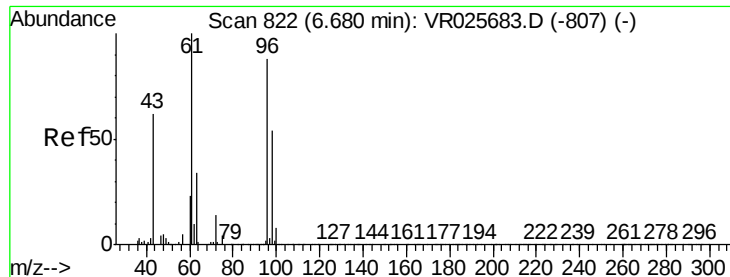
Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.4	21.9	40.7
83	11.1	7.6	14.2



#21
 2-Butanone
 Concen: 52.896 ug/L
 RT: 6.70 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: VR025690.D
 Acq: 7 Sep 2018 17:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.1	13.3	39.9



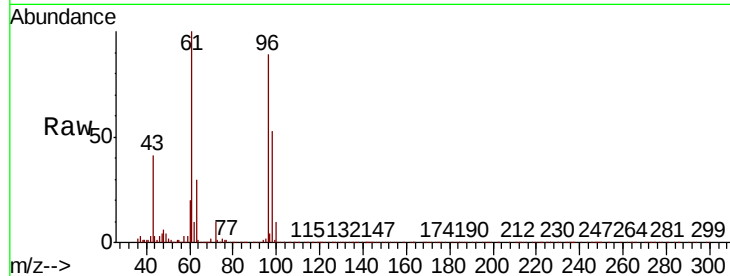


#22

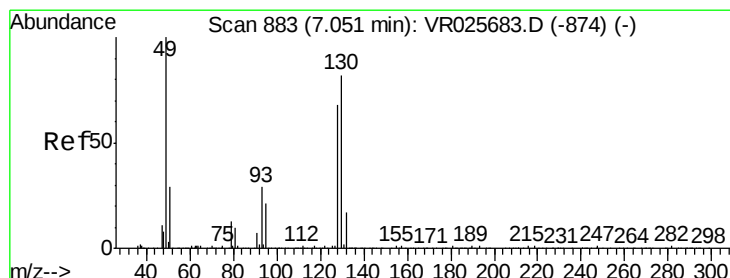
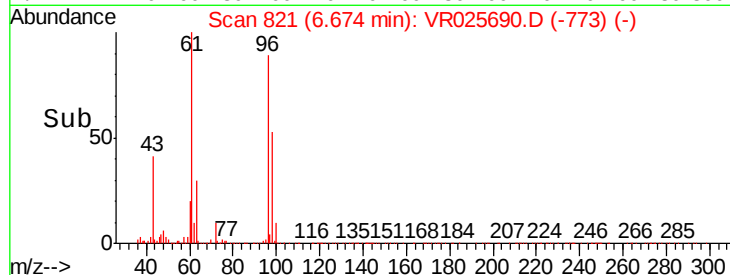
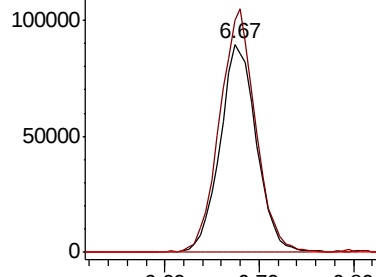
cis-1,2-Dichloroethene
 Concen: 5.143 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: VR025690.D
 Acq: 7 Sep 2018 17:07

Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00591

Tgt Ion	Ratio	Lower	Upper
96	100		
61	111.9	79.9	148.5
68	0.1	0.2	0.4



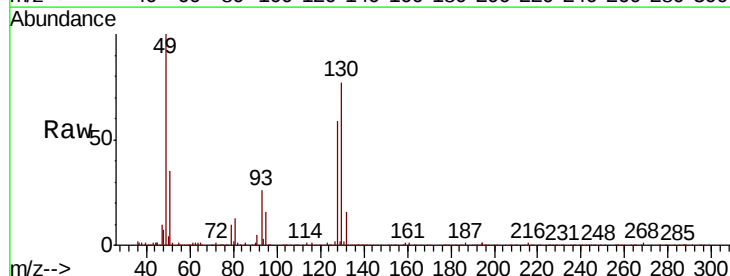
Abundance Ion 96.00 (95.70 to 96.70): VR0
 Ion 61.05 (60.75 to 61.75): VR0
 Ion 68.15 (67.85 to 68.85): VR0



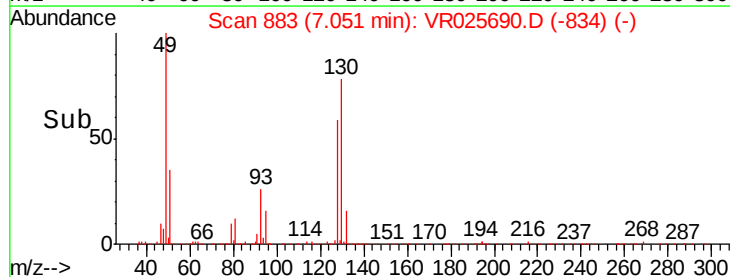
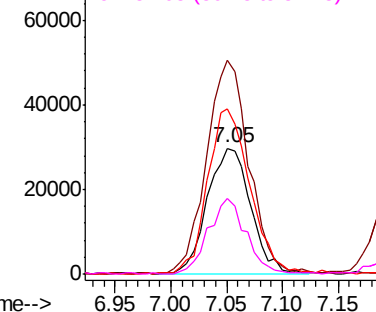
#23

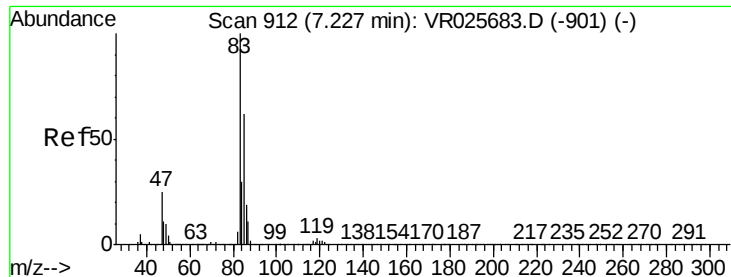
Bromochloromethane
 Concen: 4.918 ug/L
 RT: 7.05 min Scan# 883
 Delta R.T. 0.00 min
 Lab File: VR025690.D
 Acq: 7 Sep 2018 17:07

Tgt Ion	Ratio	Lower	Upper
128	100		
49	170.3	104.6	194.2
130	131.7	84.7	157.3
51	60.2	35.4	53.2



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VR0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VR0

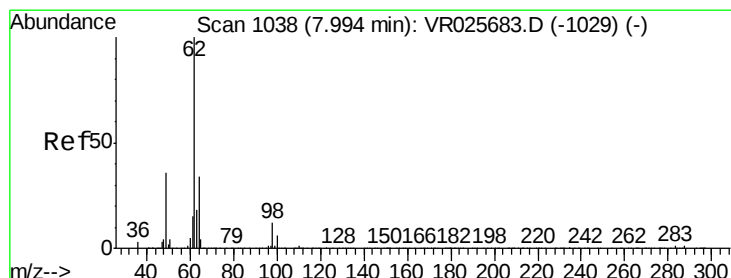
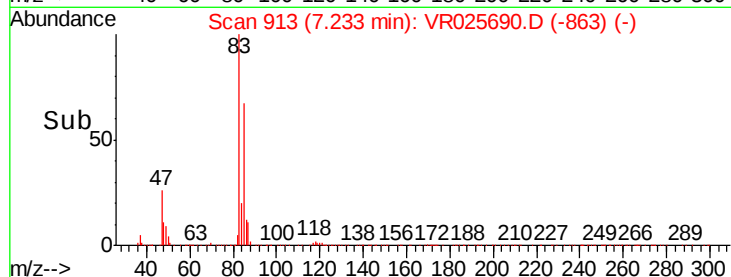
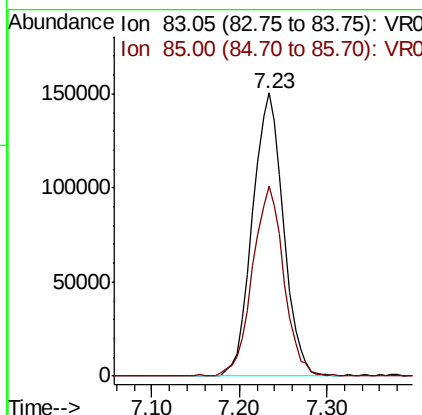
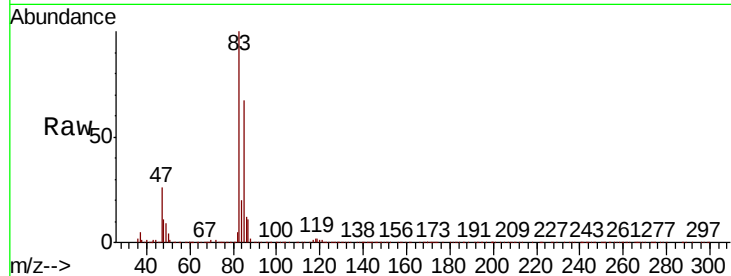




#25
Chloroform
Concen: 4.811 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.01 min
Lab File: VR025690.D
Acq: 7 Sep 2018 17:07

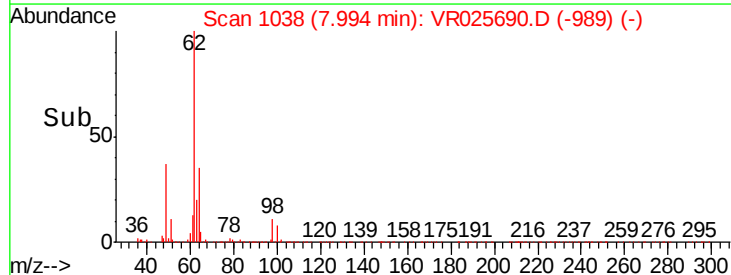
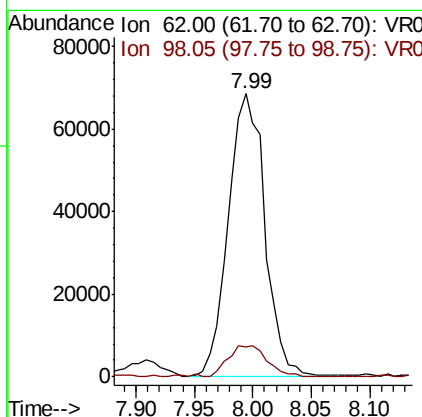
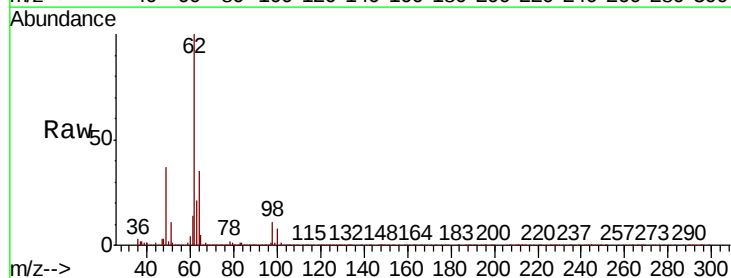
Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

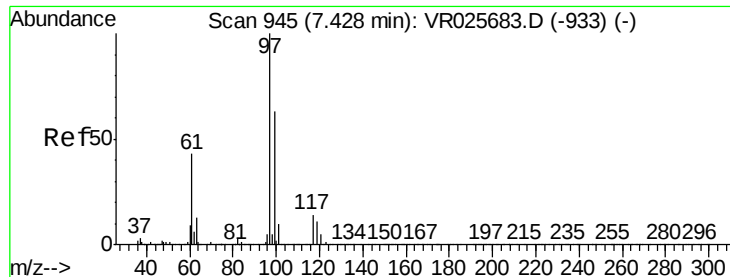
Tgt Ion: 83 Resp: 368361
Ion Ratio Lower Upper
83 100
85 67.1 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.916 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR025690.D
Acq: 7 Sep 2018 17:07

Tgt Ion: 62 Resp: 148525
Ion Ratio Lower Upper
62 100
98 10.7 9.4 14.2





#29

1,1,1-Trichloroethane

Concen: 4.591 ug/L

RT: 7.43 min Scan# 946

Delta R.T. 0.01 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

Instrument :

MSVOA_R

ClientSampleId :

VSTD00591

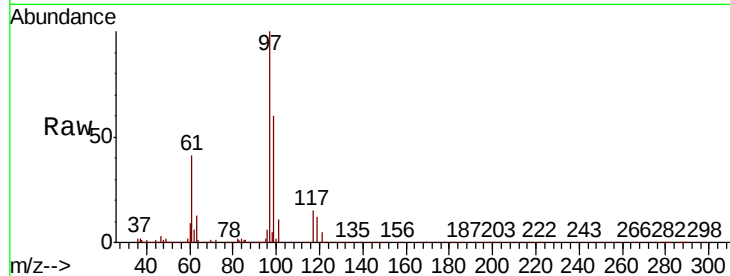
Tgt Ion: 97 Resp: 277753

Ion Ratio Lower Upper

97 100

99 65.0 51.3 76.9

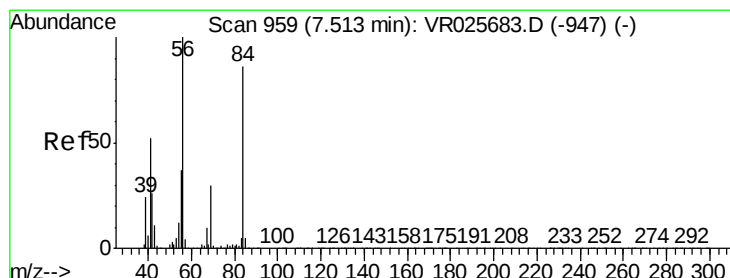
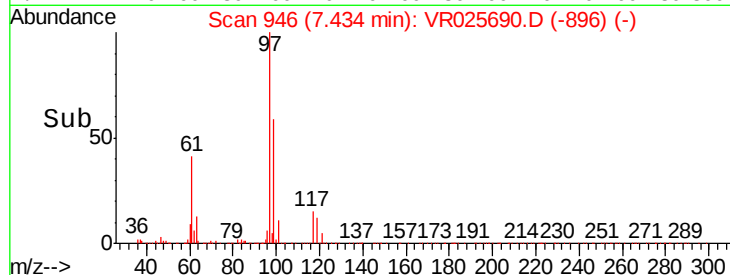
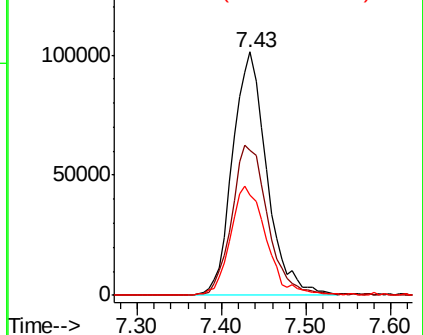
61 46.9 36.2 54.4



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 5.165 ug/L

RT: 7.51 min Scan# 959

Delta R.T. 0.00 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

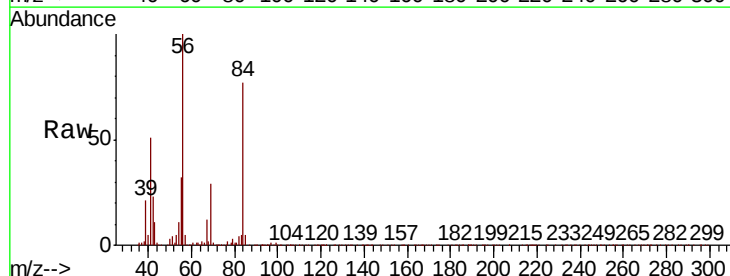
Tgt Ion: 56 Resp: 375440

Ion Ratio Lower Upper

56 100

69 28.7 23.4 35.2

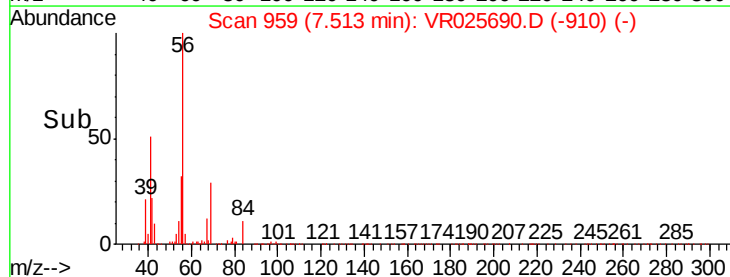
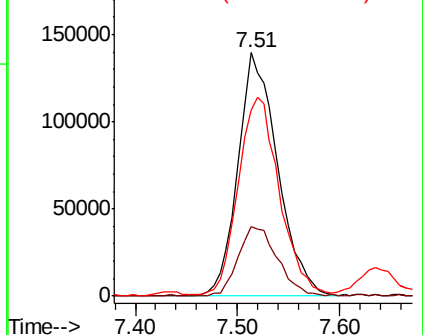
84 85.0 70.4 105.6

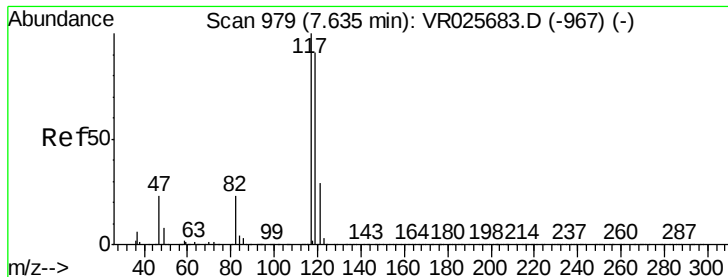


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0



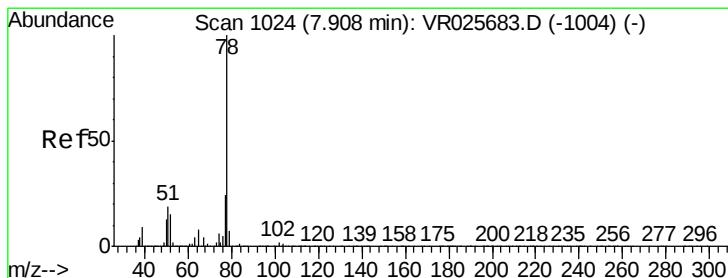
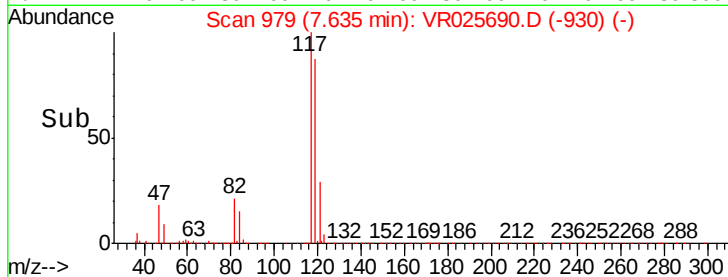
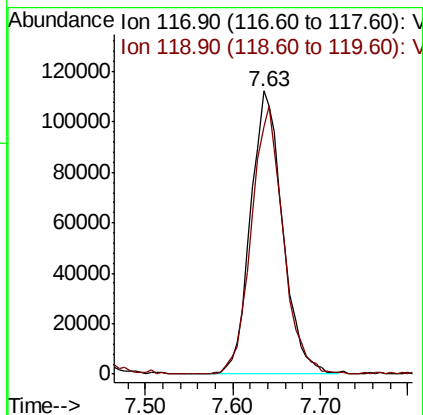
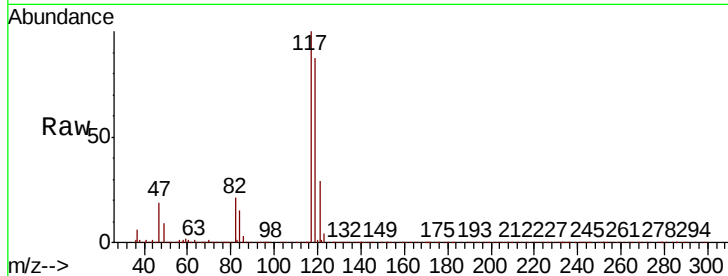


#31

Carbon tetrachloride
Concen: 4.869 ug/L
RT: 7.63 min Scan# 979
Delta R.T. 0.00 min
Lab File: VR025690.D
Acq: 7 Sep 2018 17:07

Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

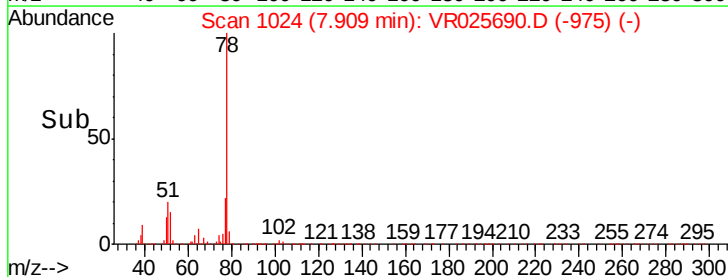
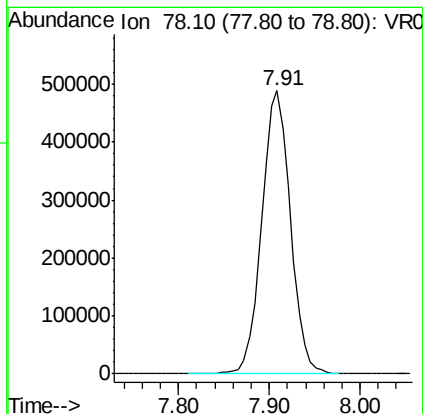
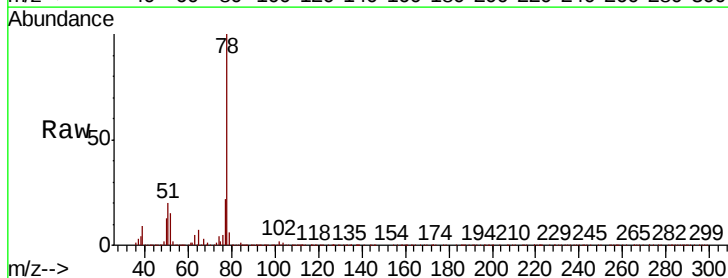
Tgt Ion:117 Resp: 285527
Ion Ratio Lower Upper
117 100
119 93.9 78.9 118.3

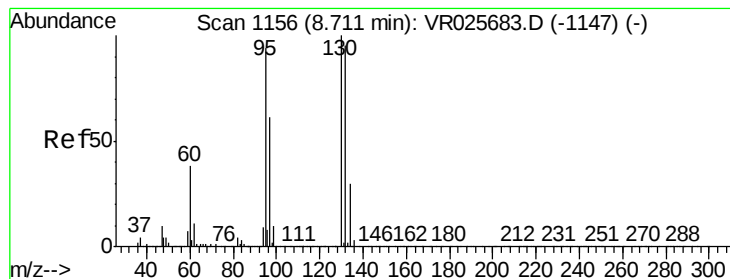


#33

Benzene
Concen: 4.928 ug/L
RT: 7.91 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VR025690.D
Acq: 7 Sep 2018 17:07

Tgt Ion: 78 Resp: 1066322





#34

Trichloroethene

Concen: 4.508 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

Instrument :

MSVOA_R

ClientSampleId :

VSTD00591

Tgt Ion: 95 Resp: 236383

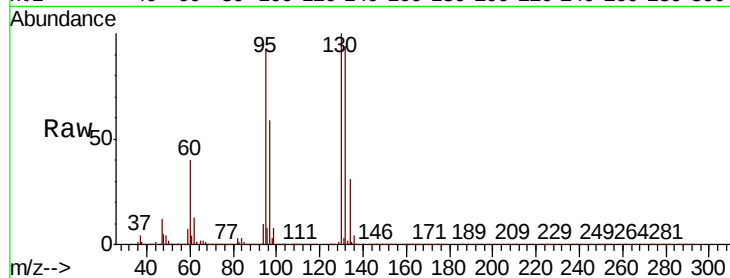
Ion Ratio Lower Upper

95 100

97 63.5 45.5 84.5

132 101.3 71.0 131.9

130 107.3 74.5 138.3

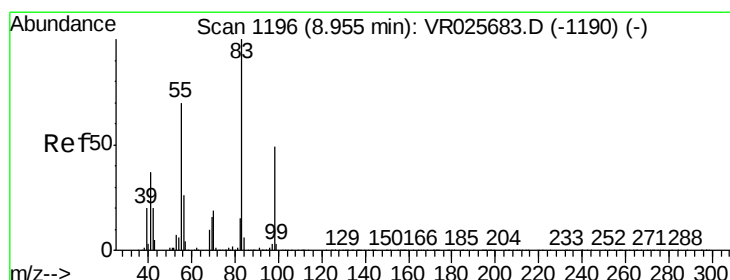
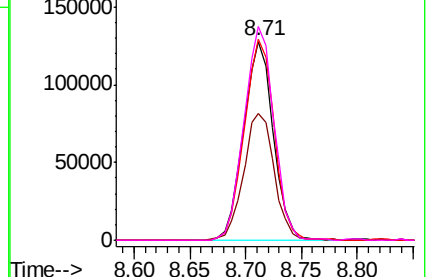
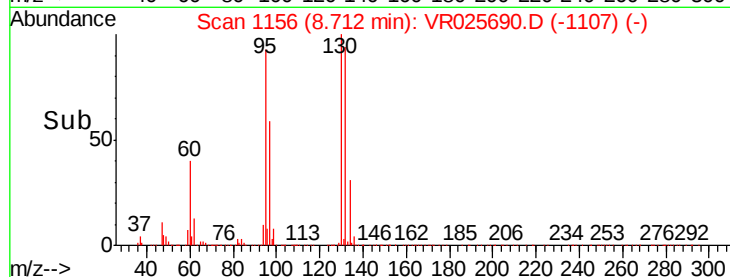


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 5.202 ug/L

RT: 8.96 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

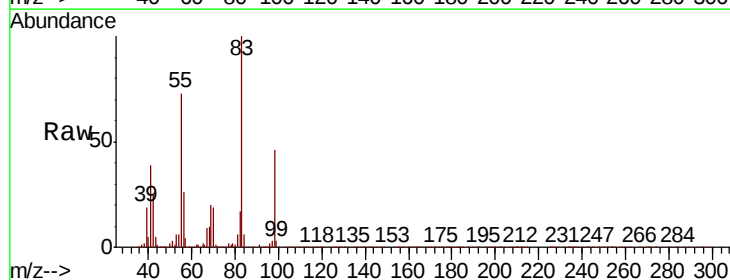
Tgt Ion: 83 Resp: 421013

Ion Ratio Lower Upper

83 100

55 72.6 58.9 88.3

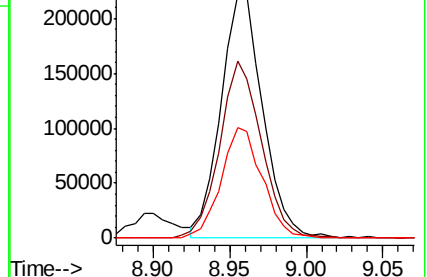
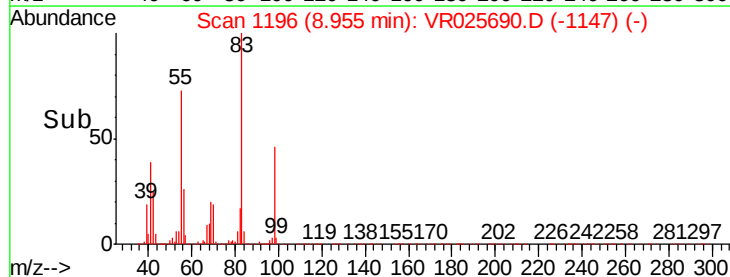
98 44.6 36.9 55.3

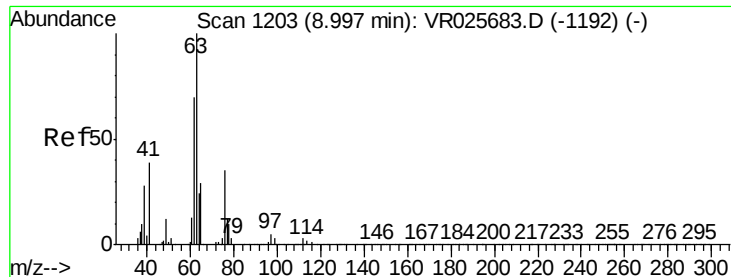


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

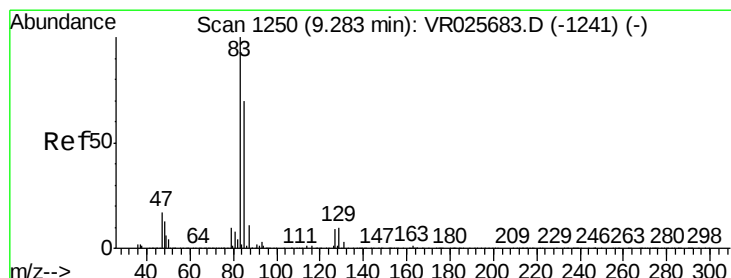
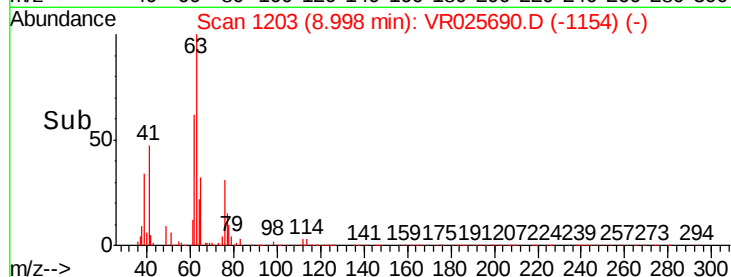
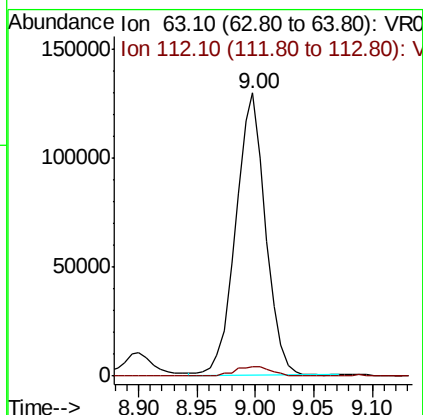
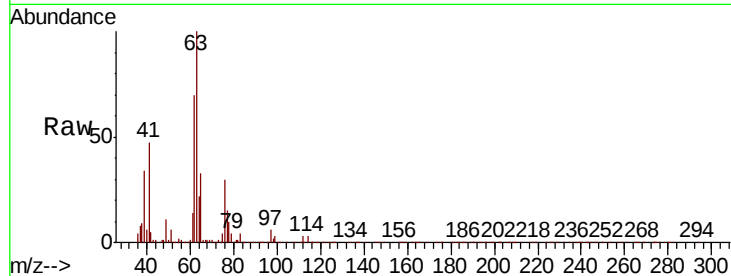




#37
 1,2-Dichloropropane
 Concen: 4.721 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VR025690.D
 Acq: 7 Sep 2018 17:07

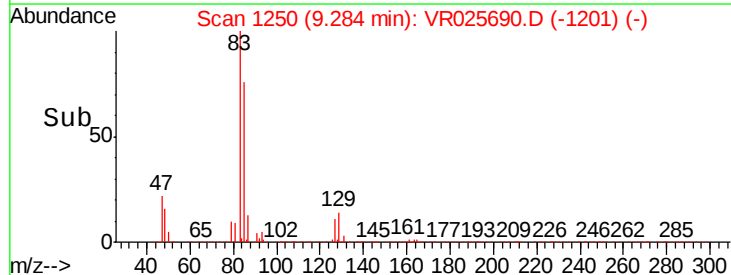
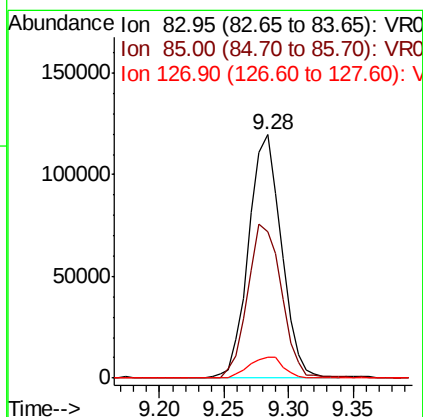
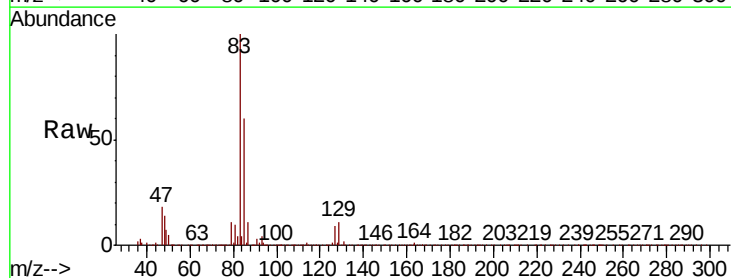
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00591

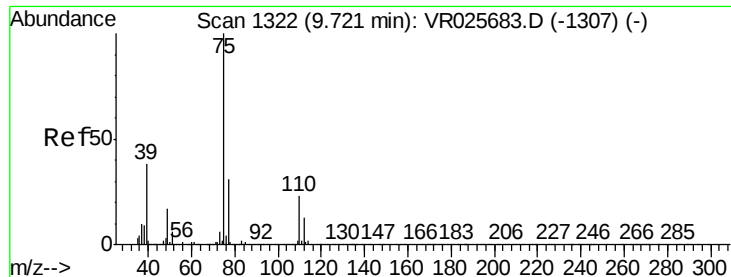
Tgt Ion: 63 Resp: 230257
 Ion Ratio Lower Upper
 63 100
 112 4.2 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.799 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VR025690.D
 Acq: 7 Sep 2018 17:07

Tgt Ion: 83 Resp: 210203
 Ion Ratio Lower Upper
 83 100
 85 60.2 48.7 90.5
 127 8.8 7.5 11.3

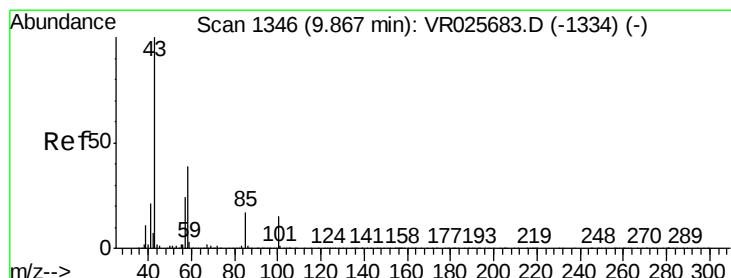
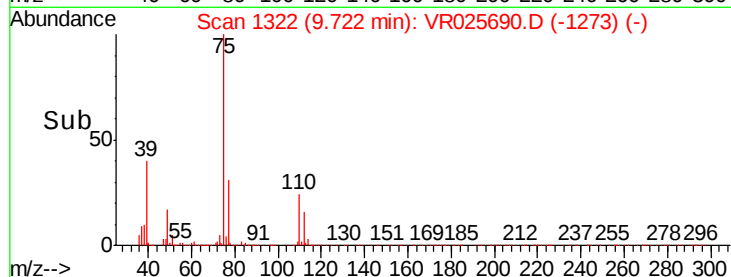
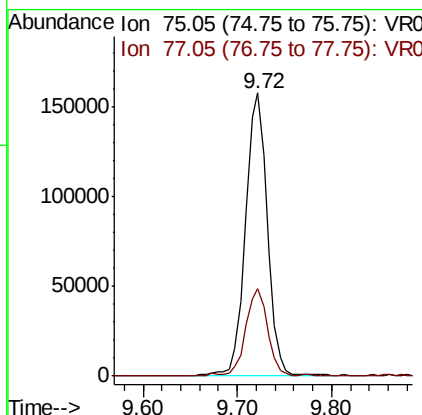
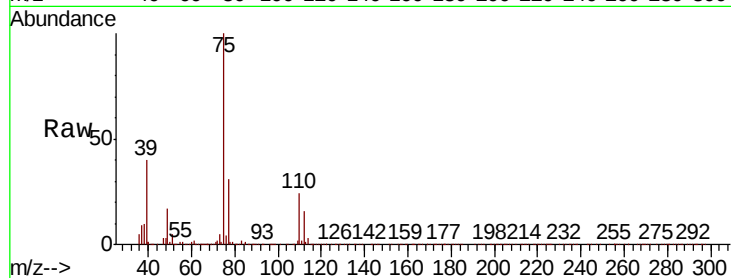




#39
 cis-1,3-Dichloropropene
 Concen: 5.147 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VR025690.D
 Acq: 7 Sep 2018 17:07

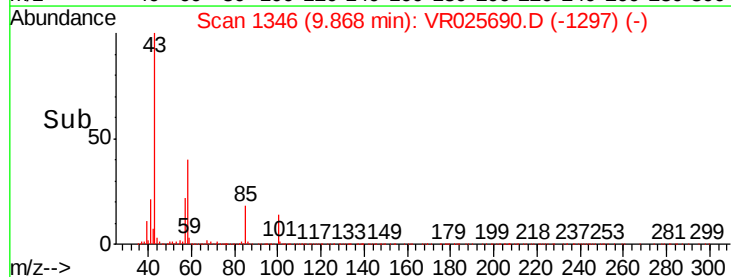
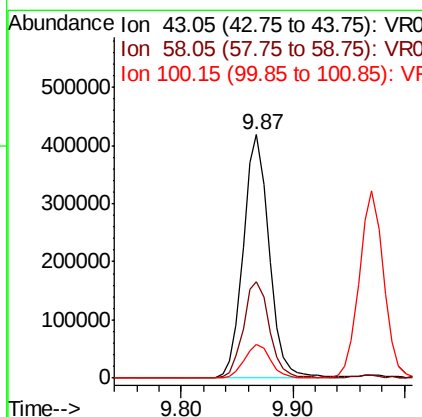
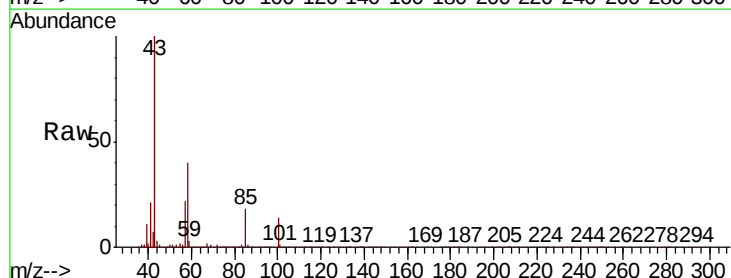
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

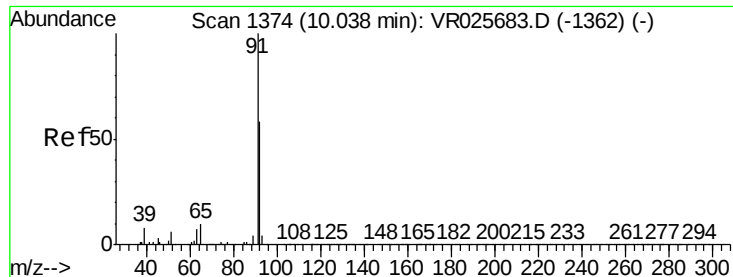
Tgt Ion: 75 Resp: 256743
 Ion Ratio Lower Upper
 75 100
 77 30.8 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 55.990 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VR025690.D
 Acq: 7 Sep 2018 17:07

Tgt Ion: 43 Resp: 675080
 Ion Ratio Lower Upper
 43 100
 58 40.3 30.6 46.0
 100 14.1 11.7 17.5





#42

Toluene

Concen: 5.207 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

Instrument :

MSVOA_R

ClientSampleId :

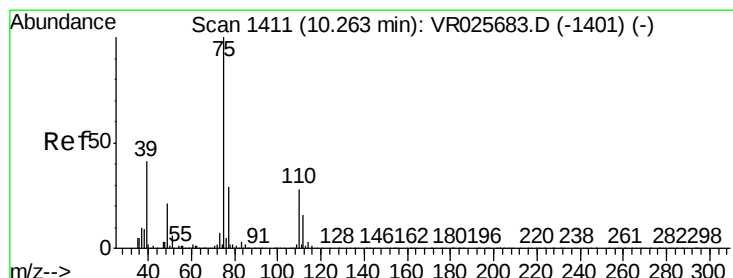
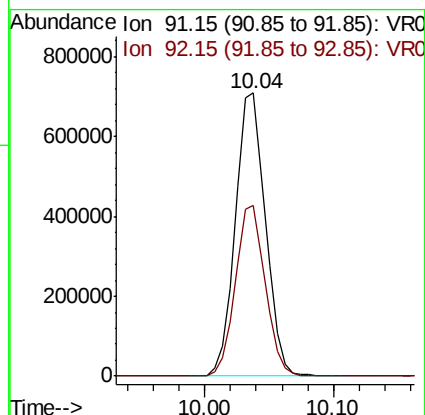
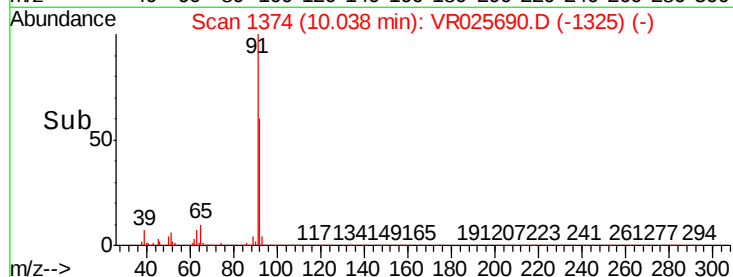
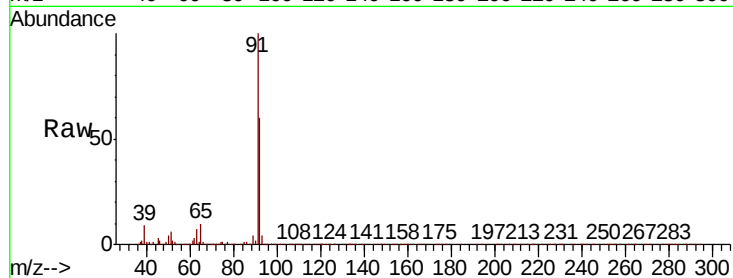
VSTD00591

Tgt Ion: 91 Resp: 1153101

Ion Ratio Lower Upper

91 100

92 60.2 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 4.930 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR025690.D

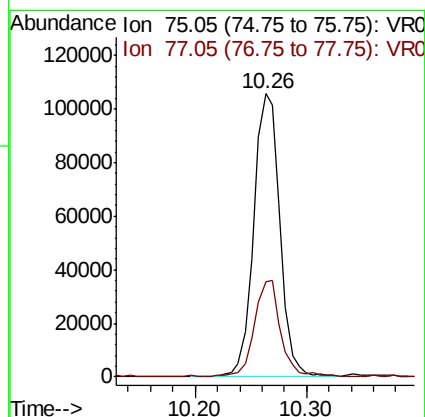
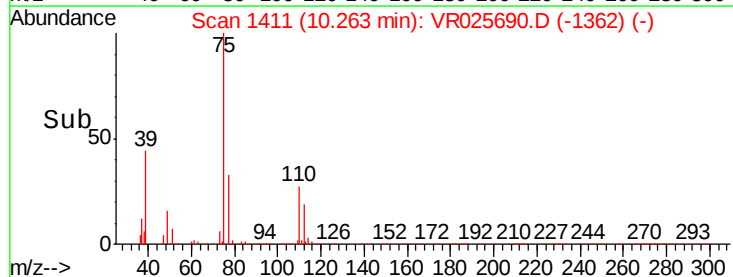
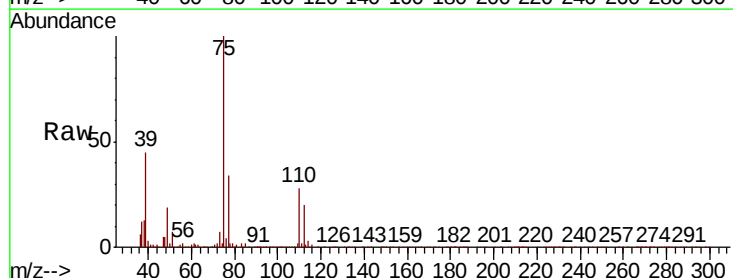
Acq: 7 Sep 2018 17:07

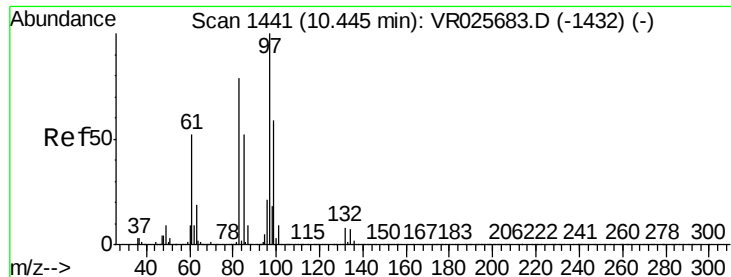
Tgt Ion: 75 Resp: 172961

Ion Ratio Lower Upper

75 100

77 33.7 20.7 38.5

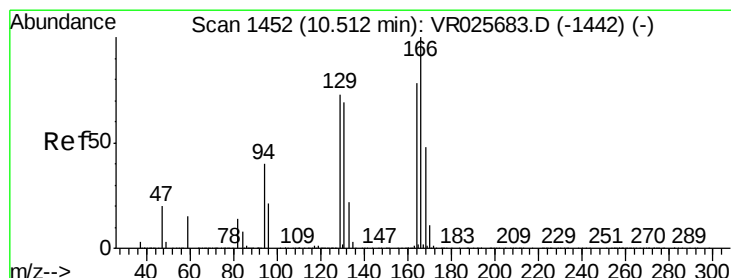
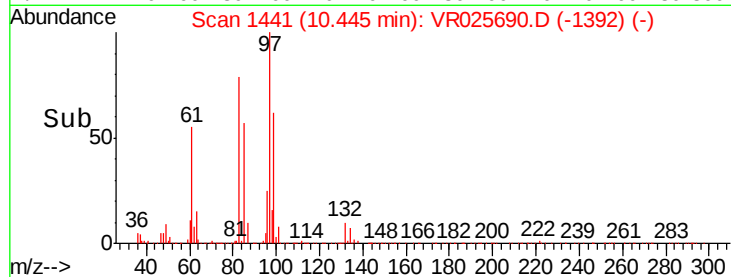
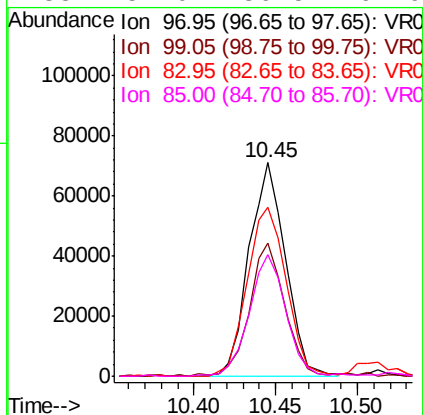
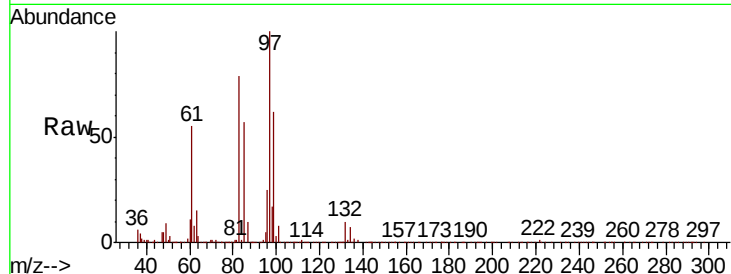




#45
 1,1,2-Trichloroethane
 Concen: 4.809 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR025690.D
 Acq: 7 Sep 2018 17:07

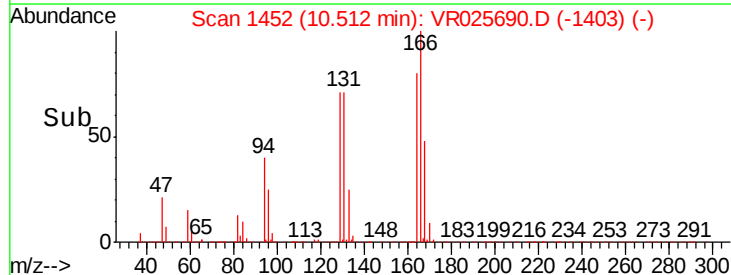
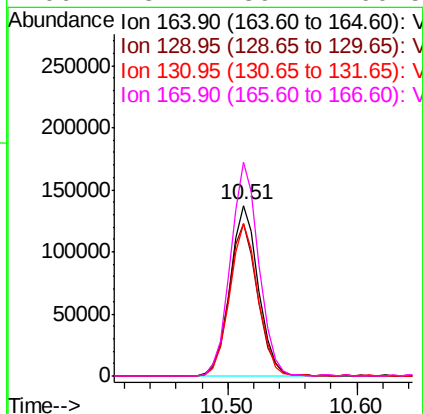
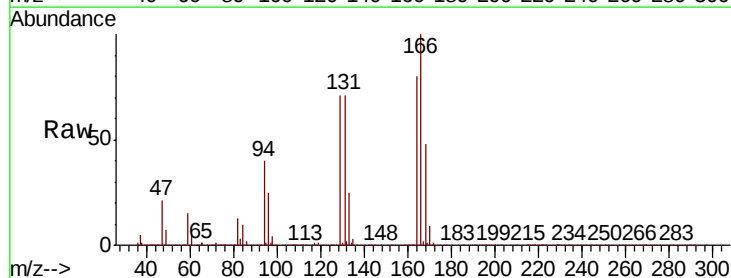
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00591

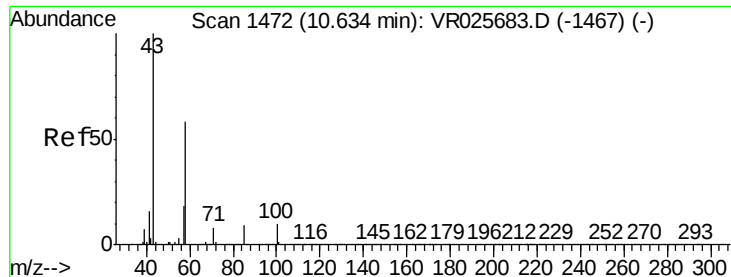
Tgt Ion:	97	Resp:	109878
Ion	Ratio	Lower	Upper
97	100		
99	62.0	41.3	76.7
83	79.3	55.4	102.8
85	57.0	36.5	67.9



#47
 Tetrachloroethene
 Concen: 4.894 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR025690.D
 Acq: 7 Sep 2018 17:07

Tgt Ion:	164	Resp:	210180
Ion	Ratio	Lower	Upper
164	100		
129	89.6	65.6	121.8
131	89.5	62.2	115.4
166	125.4	89.7	166.5

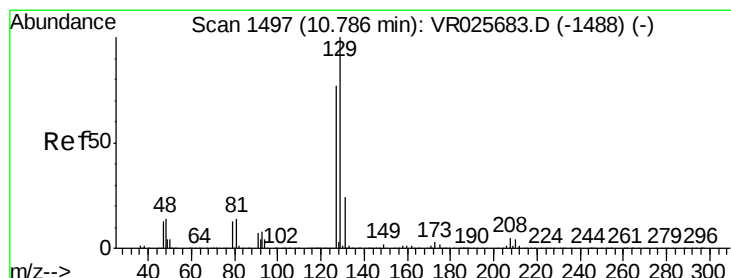
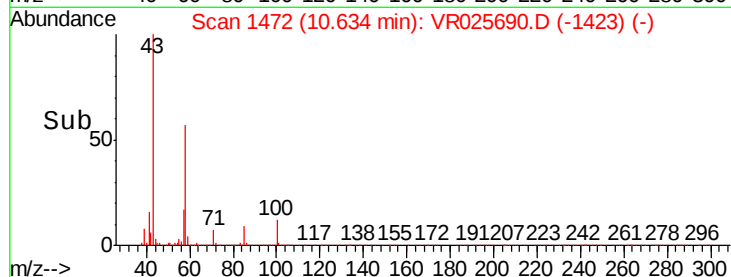
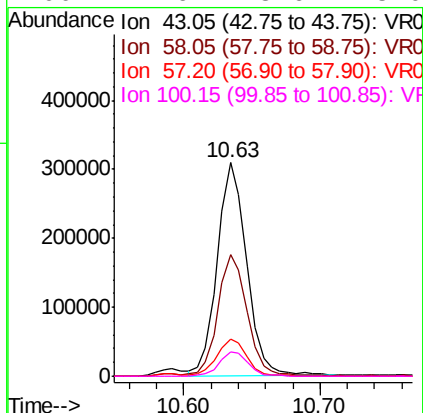
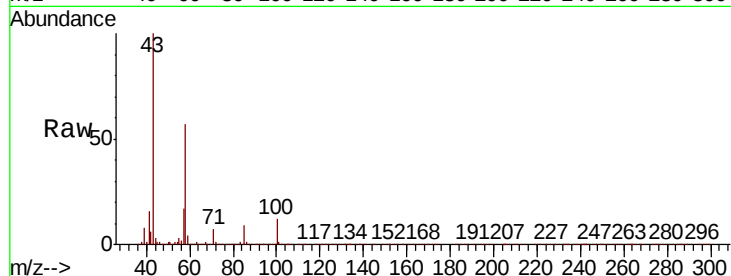




#48
2-Hexanone
Concen: 54.795 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025690.D
Acq: 7 Sep 2018 17:07

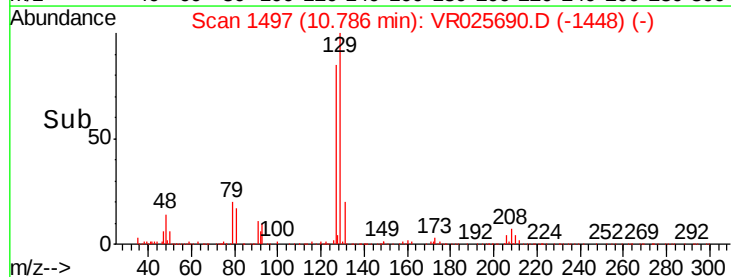
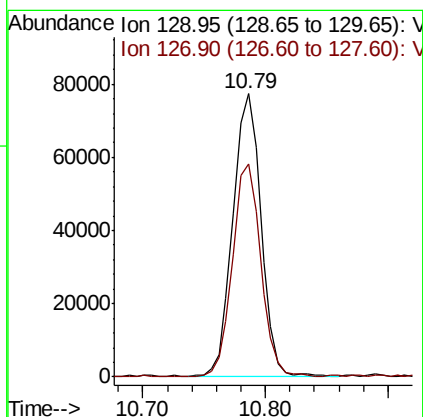
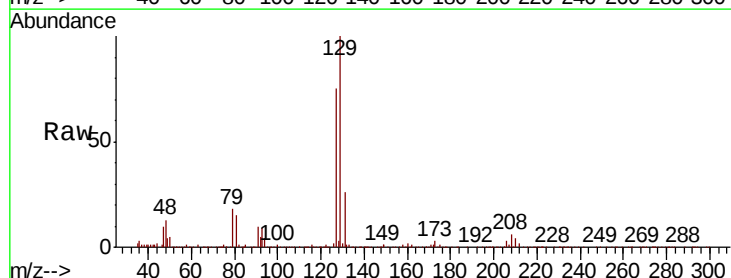
Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

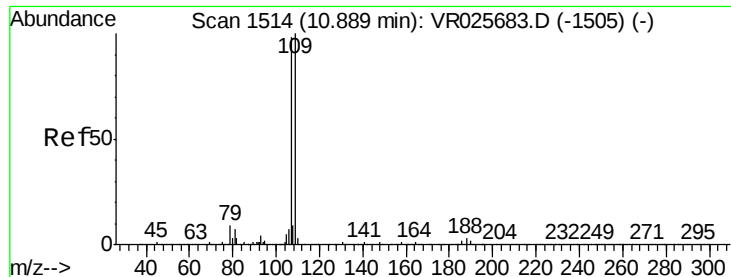
Tgt Ion:	43	Resp:	463336
Ion	Ratio	Lower	Upper
43	100		
58	56.8	45.8	68.8
57	17.7	14.2	21.2
100	11.6	8.6	13.0



#49
Dibromochloromethane
Concen: 5.089 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR025690.D
Acq: 7 Sep 2018 17:07

Tgt Ion:	129	Resp:	123841
Ion	Ratio	Lower	Upper
129	100		
127	75.1	54.1	100.5

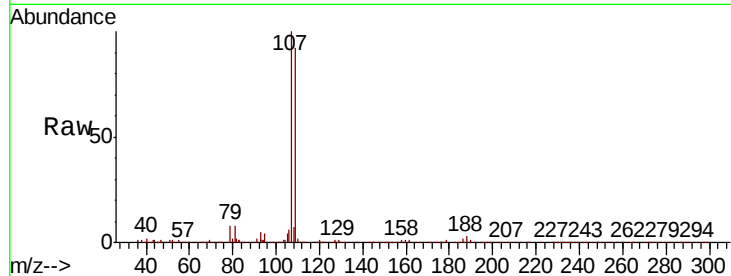




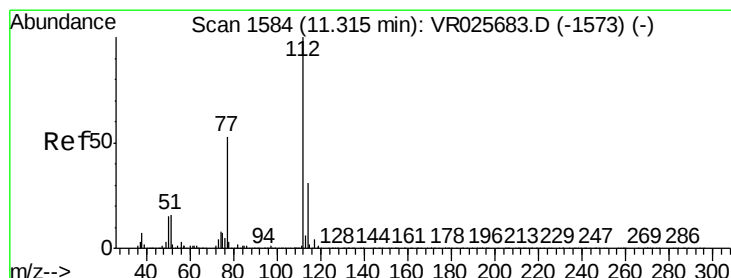
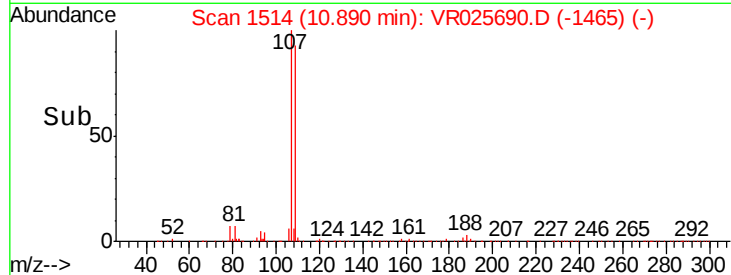
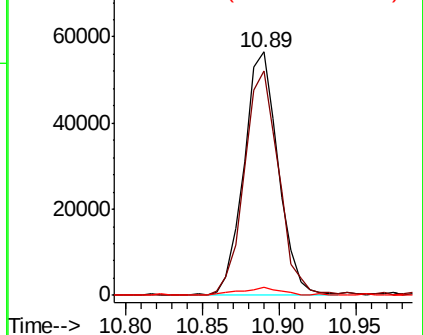
#50
1,2-Dibromoethane
Concen: 4.877 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR025690.D
Acq: 7 Sep 2018 17:07

Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

Tgt Ion:107 Resp: 88519
Ion Ratio Lower Upper
107 100
109 92.2 71.3 132.5
188 3.1 3.4 5.0#

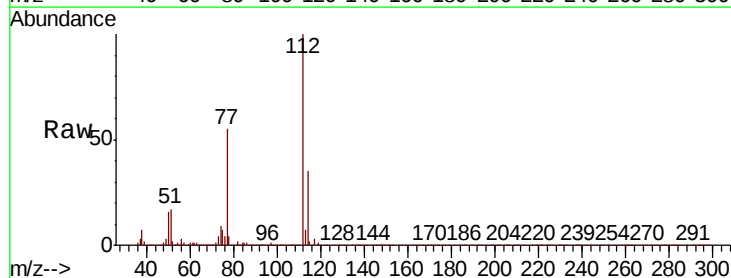


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

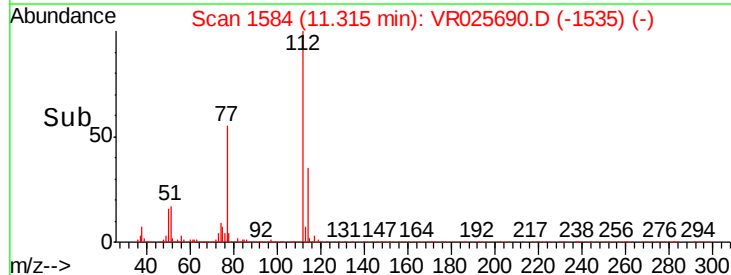
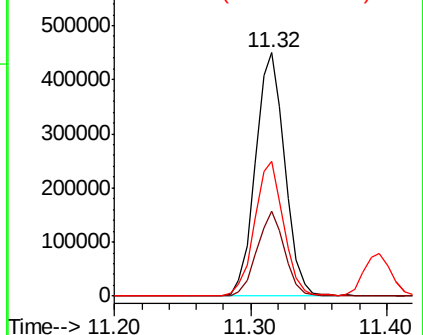


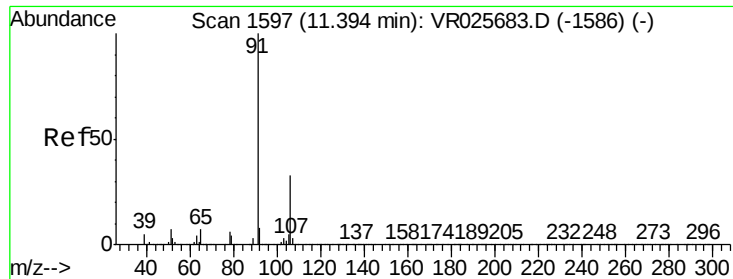
#51
Chlorobenzene
Concen: 4.879 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR025690.D
Acq: 7 Sep 2018 17:07

Tgt Ion:112 Resp: 679293
Ion Ratio Lower Upper
112 100
114 35.0 21.8 40.6
77 55.2 42.4 63.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VR0





#52

Ethylbenzene

Concen: 5.302 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

Instrument :

MSVOA_R

ClientSampleId :

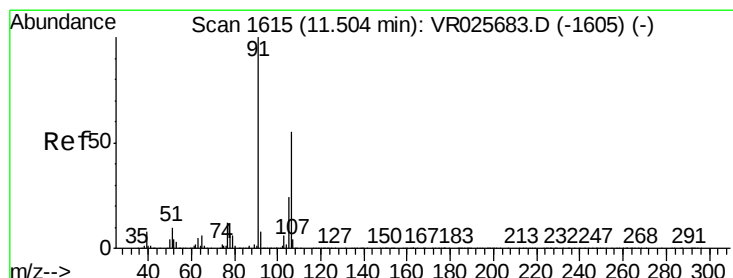
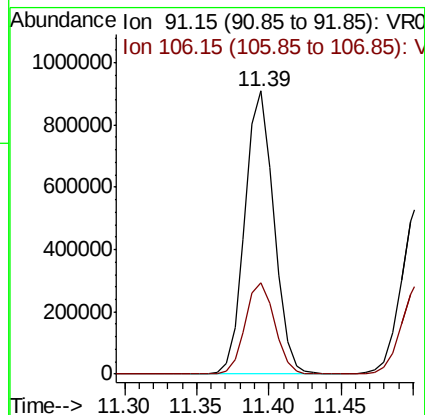
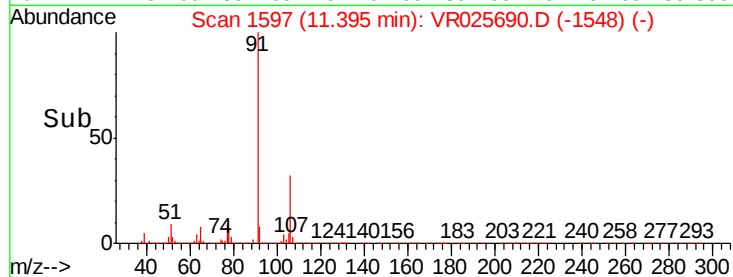
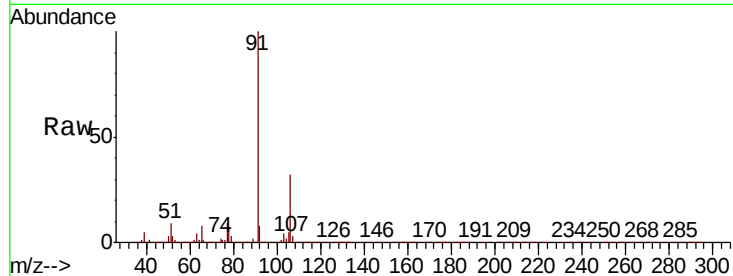
VSTD00591

Tgt Ion: 91 Resp: 1265087

Ion Ratio Lower Upper

91 100

106 32.1 22.7 42.3



#53

m,p-Xylene

Concen: 5.196 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025690.D

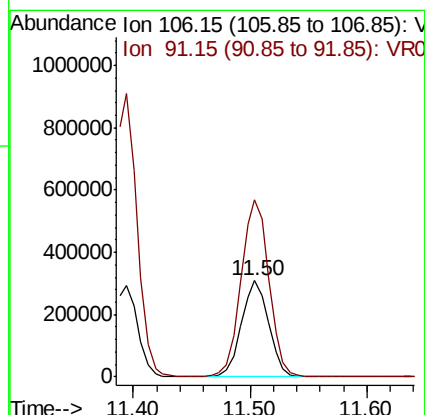
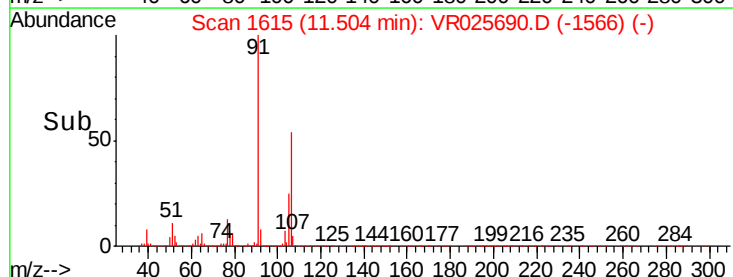
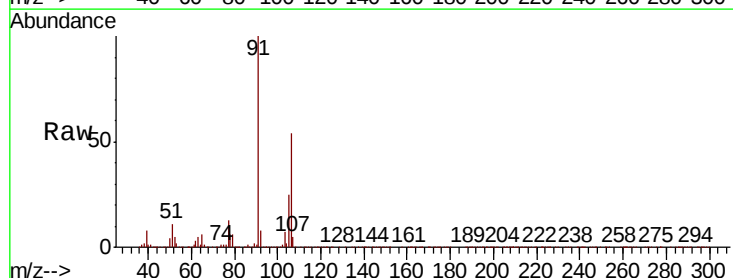
Acq: 7 Sep 2018 17:07

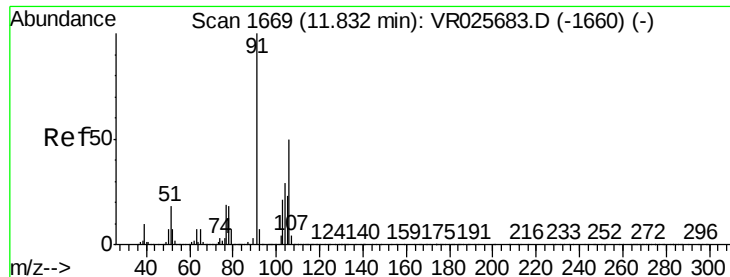
Tgt Ion: 106 Resp: 498892

Ion Ratio Lower Upper

106 100

91 183.8 128.7 238.9

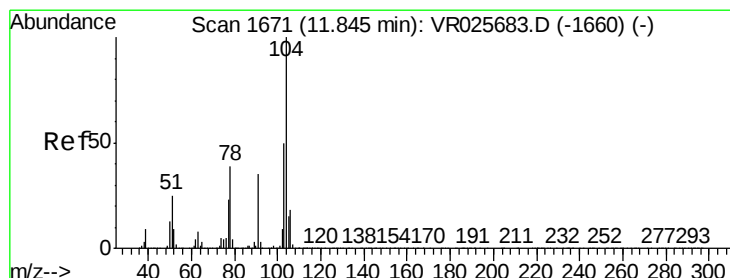
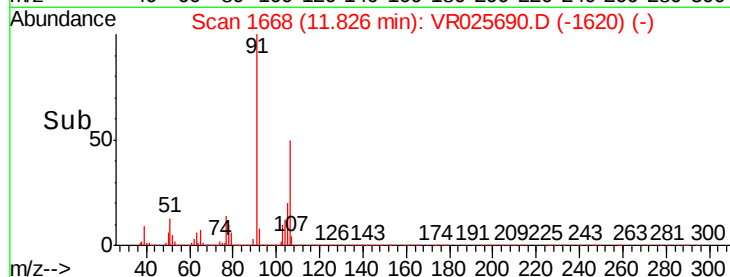
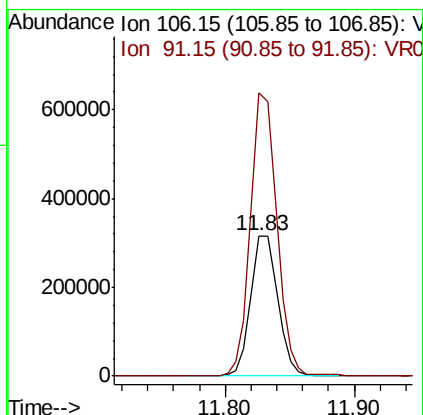
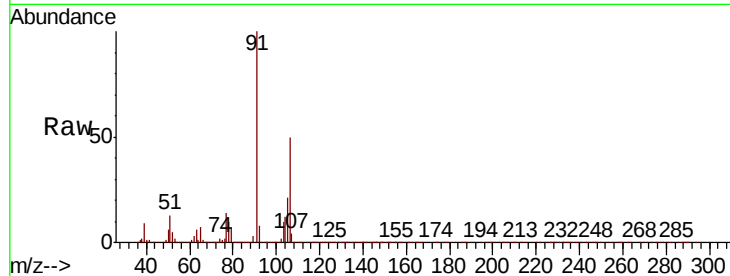




#54
o-Xylene
Concen: 5.421 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VR025690.D
Acq: 7 Sep 2018 17:07

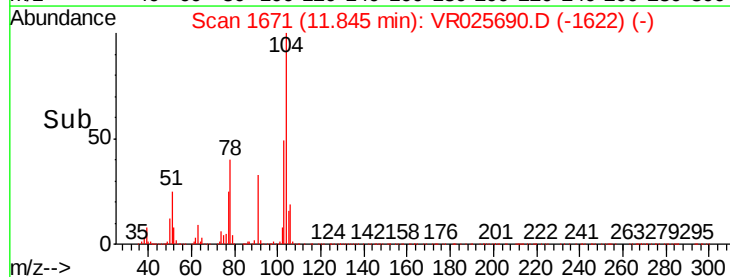
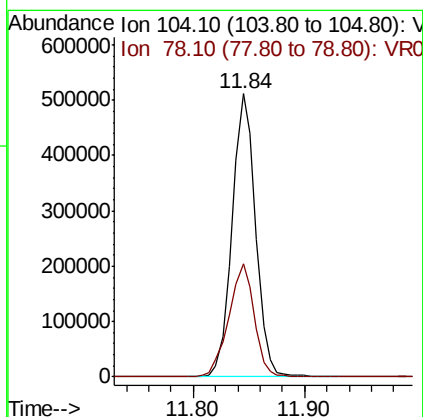
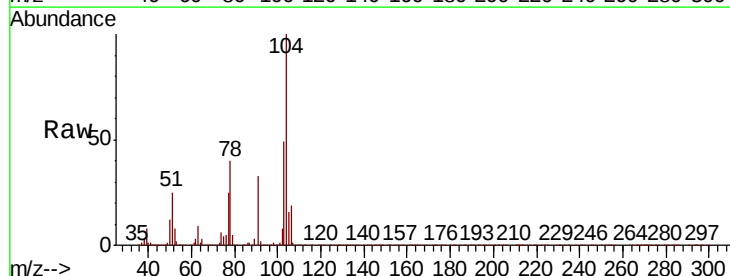
Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

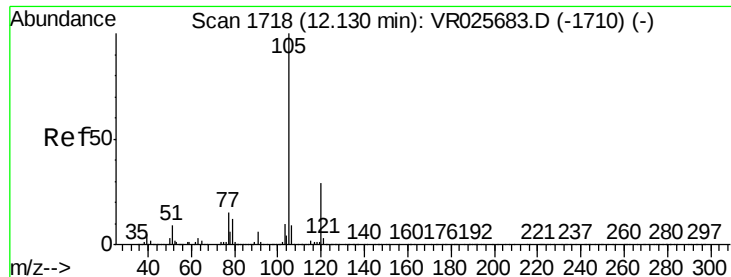
Tgt Ion:106 Resp: 458582
Ion Ratio Lower Upper
106 100
91 201.5 139.2 258.6



#55
Styrene
Concen: 5.478 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR025690.D
Acq: 7 Sep 2018 17:07

Tgt Ion:104 Resp: 746217
Ion Ratio Lower Upper
104 100
78 39.8 27.6 51.2





#56

Isopropylbenzene

Concen: 5.725 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

Instrument :

MSVOA_R

ClientSampleId :

VSTD00591

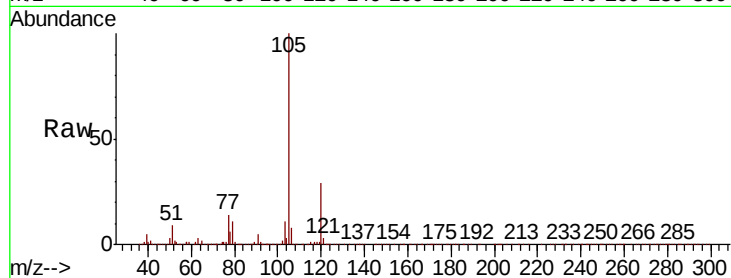
Tgt Ion:105 Resp: 1206825

Ion Ratio Lower Upper

105 100

120 28.0 22.8 34.2

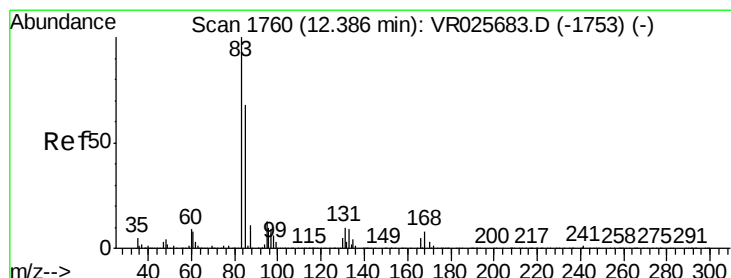
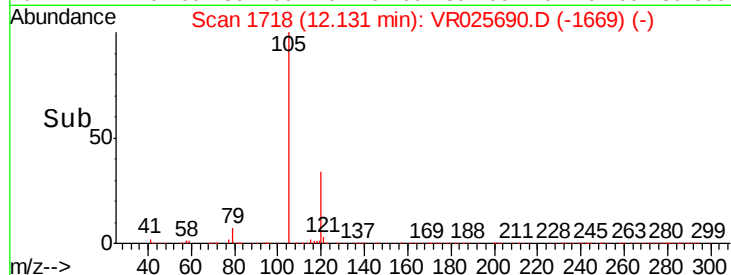
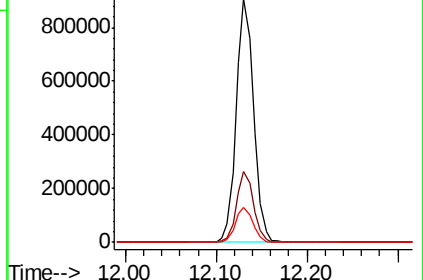
77 14.4 11.8 17.8



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: 5.109 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

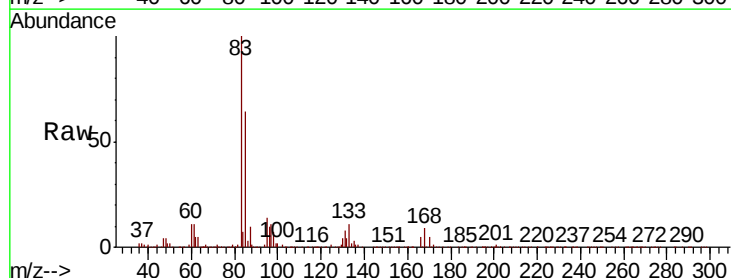
Tgt Ion: 83 Resp: 113690

Ion Ratio Lower Upper

83 100

85 63.7 47.9 88.9

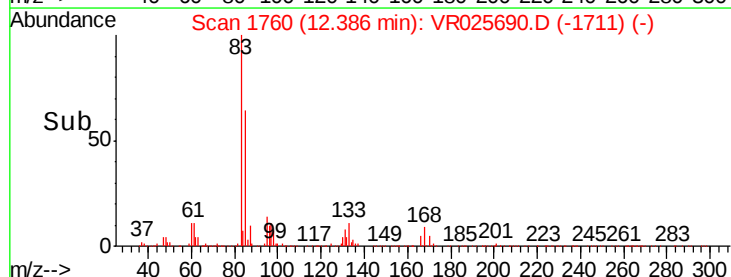
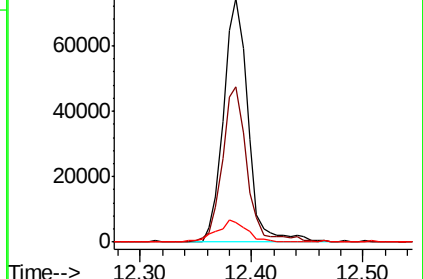
131 8.0 8.2 12.4#

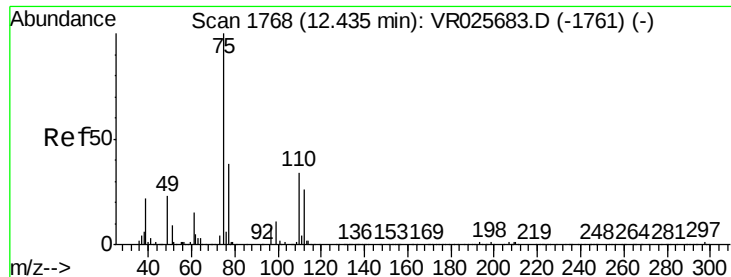


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.806 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

Instrument :

MSVOA_R

ClientSampled :

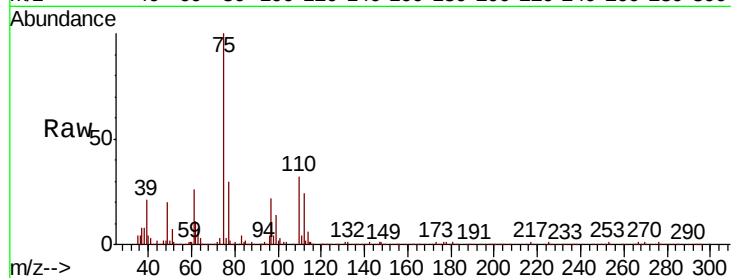
VSTD00591

Tgt Ion: 75 Resp: 71933

Ion Ratio Lower Upper

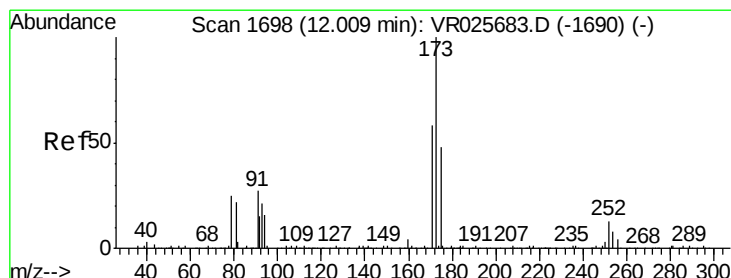
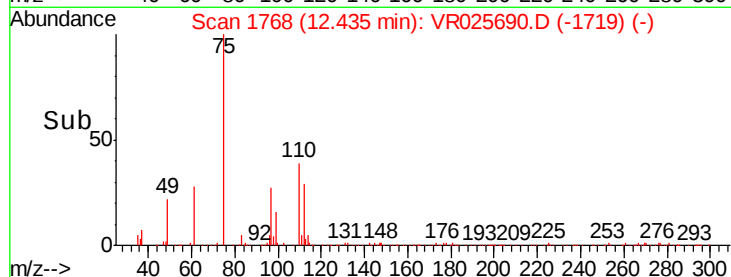
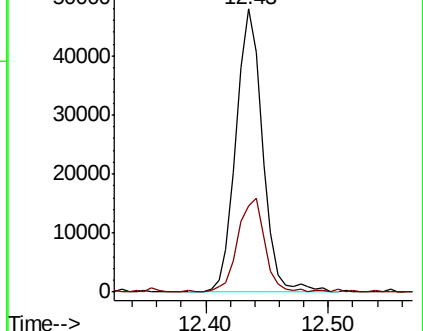
75 100

77 33.3 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: 4.559 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

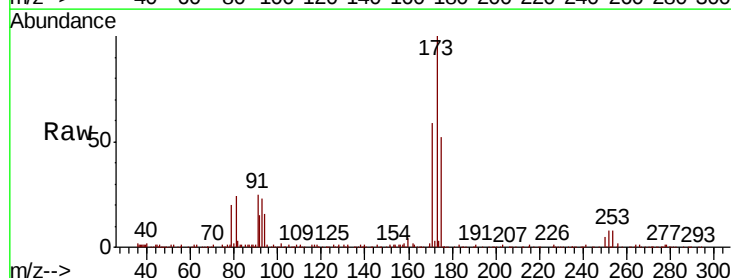
Tgt Ion: 173 Resp: 50366

Ion Ratio Lower Upper

173 100

175 48.3 41.9 62.9

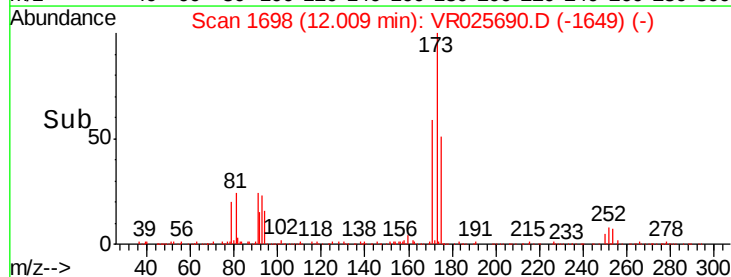
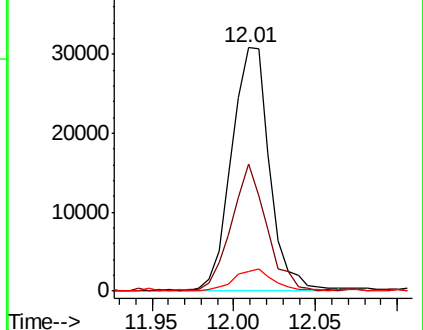
254 9.8 7.3 10.9

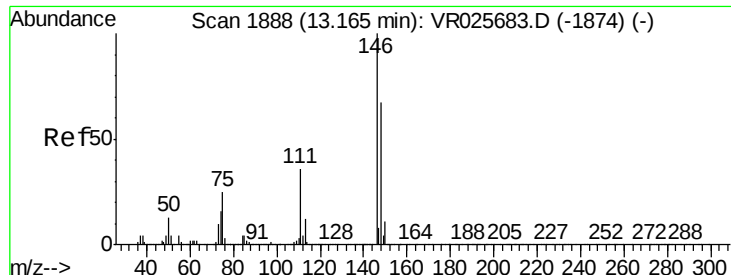


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 4.898 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

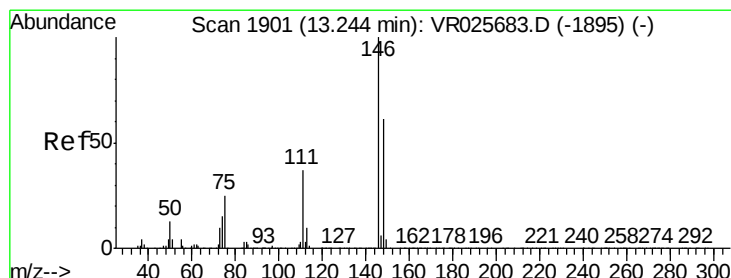
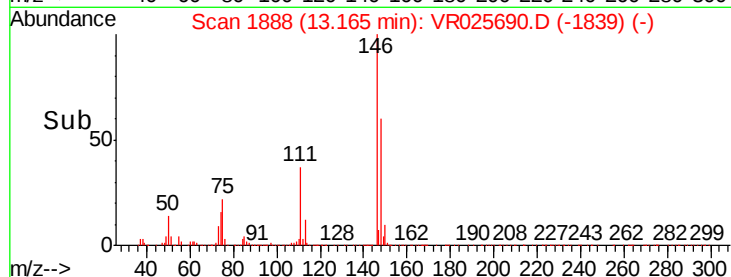
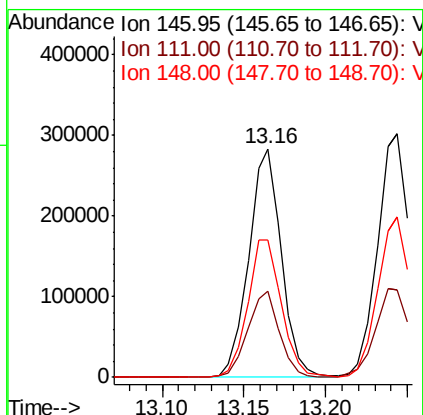
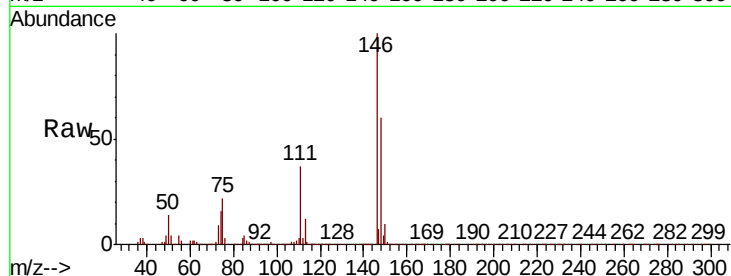
Instrument :

MSVOA_R

ClientSampled :

VSTD00591

Tgt Ion:	146	Resp:	395040
Ion	Ratio	Lower	Upper
146	100		
111	37.4	25.4	47.2
148	59.8	46.9	87.1



#63

1,4-Dichlorobenzene

Concen: 4.663 ug/L

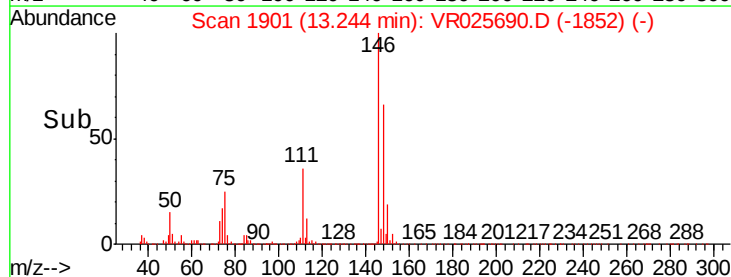
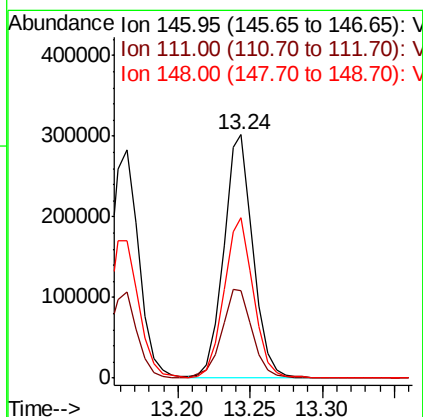
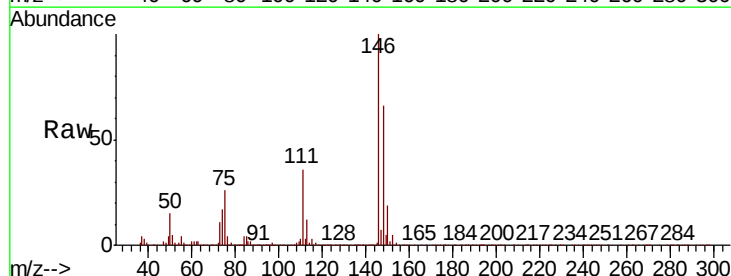
RT: 13.24 min Scan# 1901

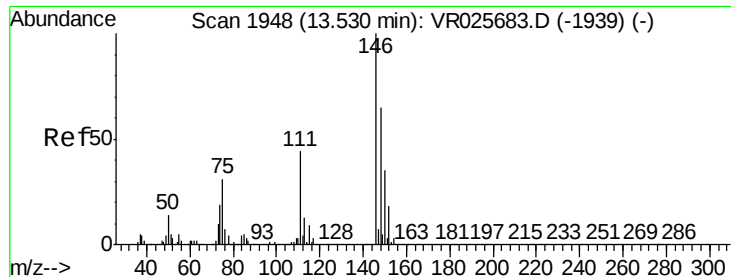
Delta R.T. 0.00 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

Tgt Ion:	146	Resp:	427809
Ion	Ratio	Lower	Upper
146	100		
111	36.1	26.2	48.6
148	66.1	42.7	79.3

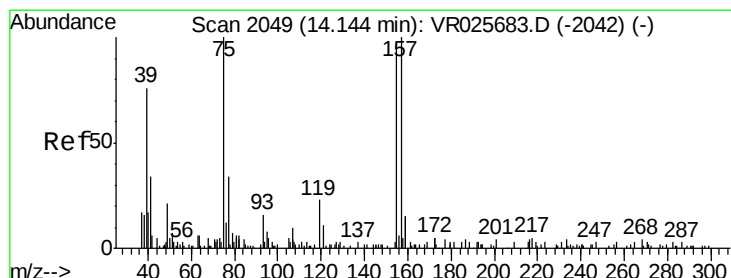
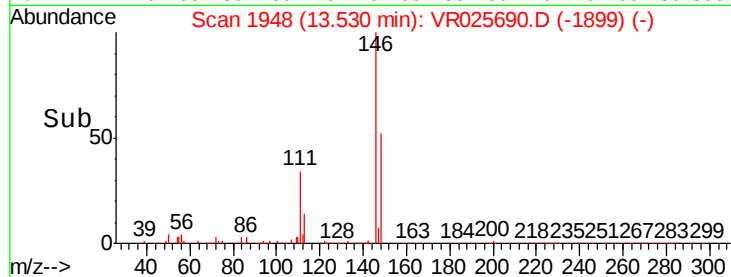
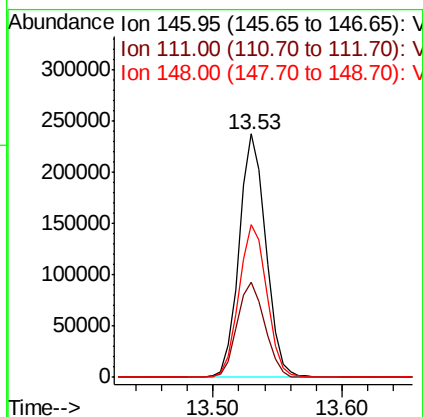
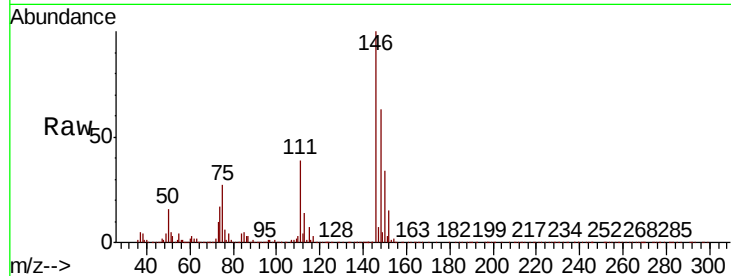




#65
 1,2-Dichlorobenzene
 Concen: 4.864 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR025690.D
 Acq: 7 Sep 2018 17:07

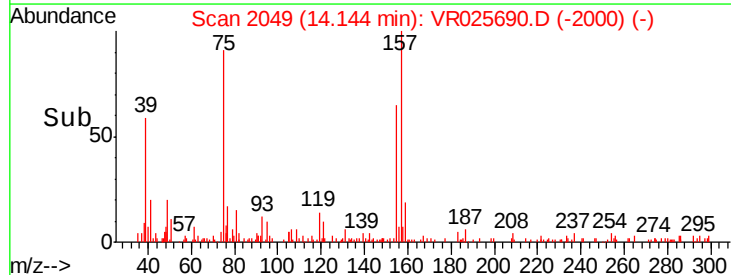
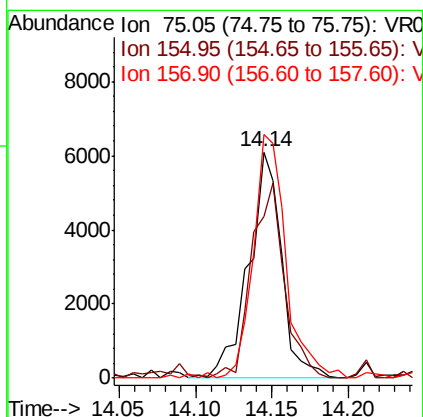
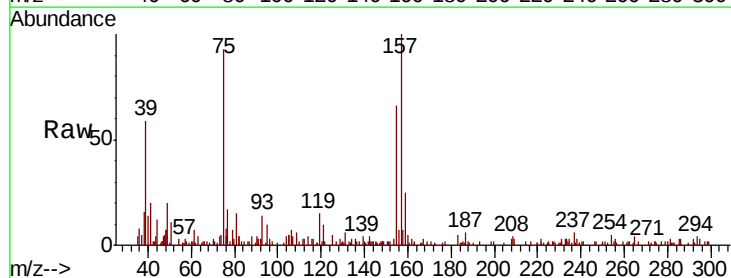
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

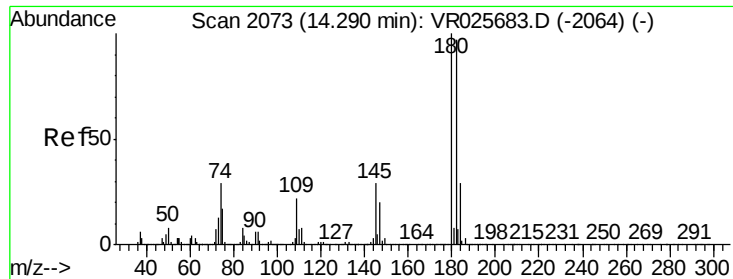
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	35.2	52.8
148	62.6	52.1	78.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.455 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VR025690.D
 Acq: 7 Sep 2018 17:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.6	79.3	118.9#
157	107.8	81.4	122.2

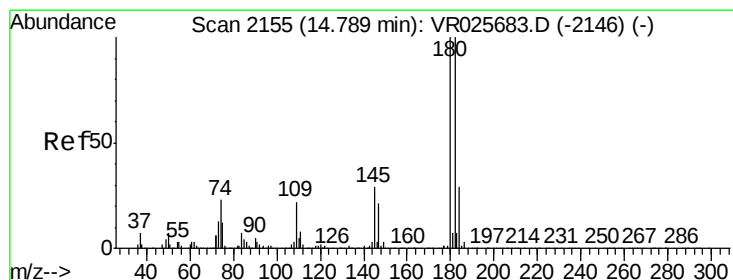
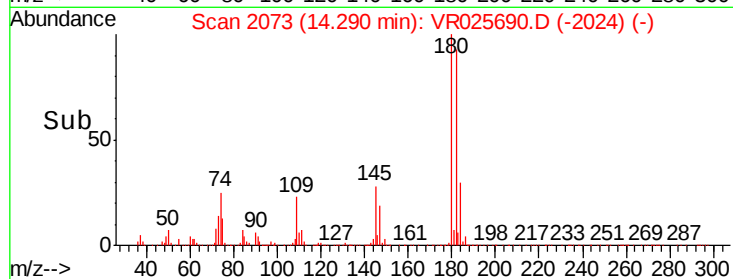
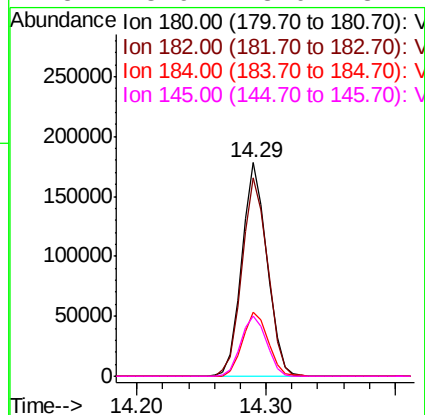
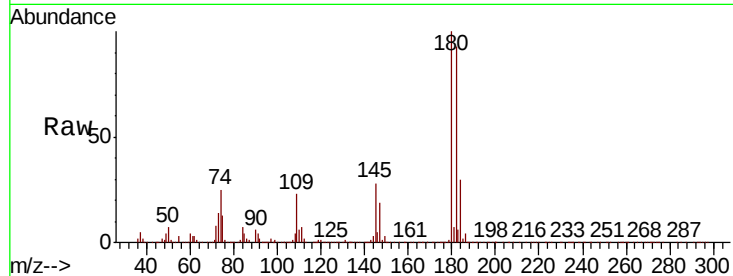




#67
 1,3,5-Trichlorobenzene
 Concen: 5.004 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR025690.D
 Acq: 7 Sep 2018 17:07

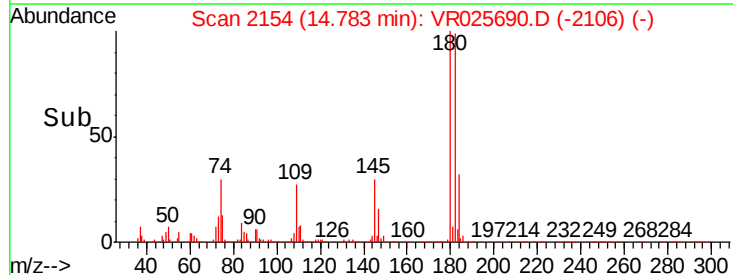
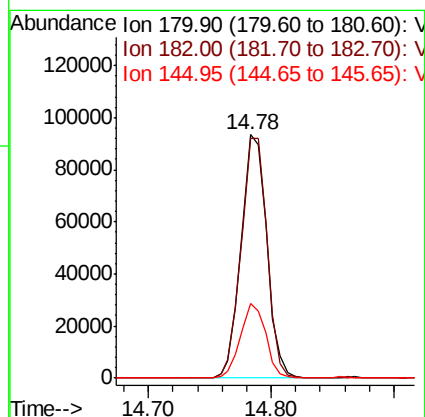
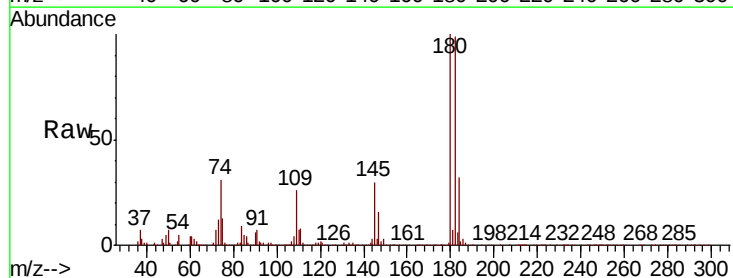
Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00591

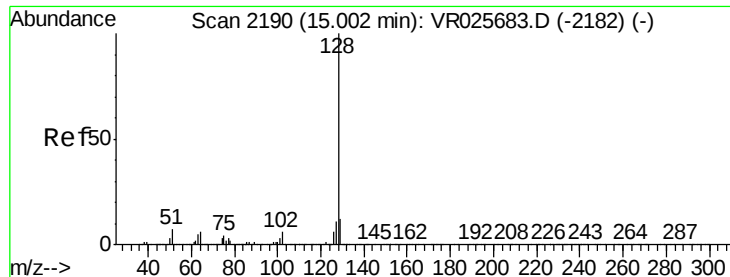
Tgt Ion:	180	Resp:	239948
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.9	113.9
184	30.3	24.0	36.0
145	28.9	23.0	34.4



#68
 1,2,4-trichlorobenzene
 Concen: 4.619 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR025690.D
 Acq: 7 Sep 2018 17:07

Tgt Ion:	180	Resp:	135861
Ion	Ratio	Lower	Upper
180	100		
182	99.1	76.6	115.0
145	30.2	24.8	37.2





#69

Naphthalene

Concen: 4.566 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

Instrument :

MSVOA_R

ClientSampled :

VSTD00591

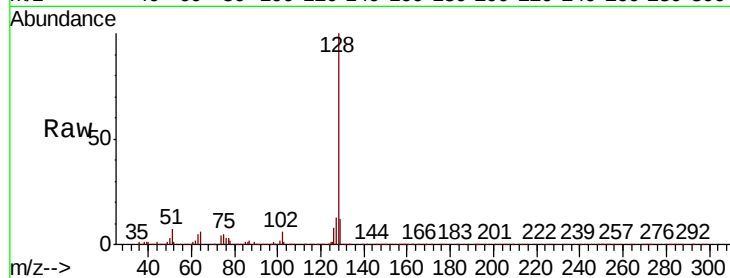
Tgt Ion:128 Resp: 150248

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

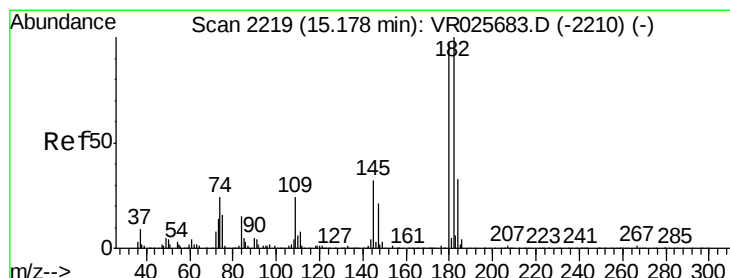
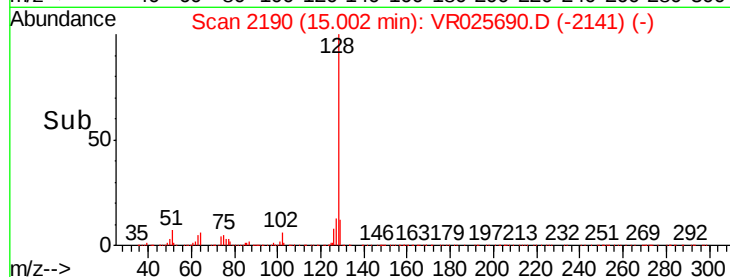
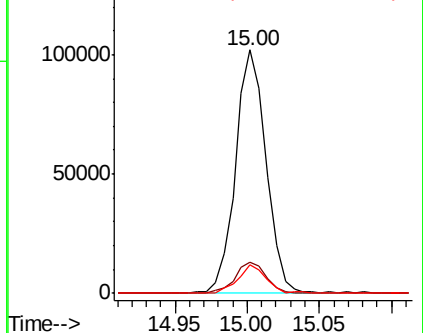
129 11.4 9.0 13.6



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



#70

1,2,3-Trichlorobenzene

Concen: 5.024 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025690.D

Acq: 7 Sep 2018 17:07

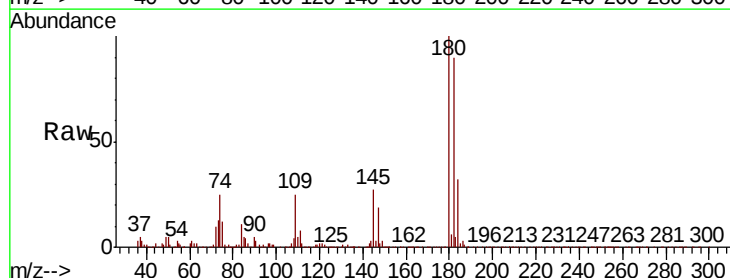
Tgt Ion:180 Resp: 116987

Ion Ratio Lower Upper

180 100

182 91.9 80.2 120.4

145 29.8 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

