

Data File : VW004664.D
Acq On : 14 Aug 2018 12:10
Operator : SY/AP
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV94

Quant Time: Aug 15 08:49:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081418S.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 14 12:36:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	1036448	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	998785	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	508112	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	372327	22.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.40%
7) Chloroethane-d5	2.89	69	296064	23.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.00%
10) 1,1-Dichloroethene-d2	4.02	63	688928	22.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.44%
20) 2-Butanone-d5	7.09	46	205902	46.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.38%
24) Chloroform-d	7.65	84	651555	23.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.84%
26) 1,2-Dichloroethane-d4	8.31	65	345381	23.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.88%
29) Benzene-d6	8.28	84	1341683	23.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.80%
33) 1,2-Dichloropropane-d6	9.28	67	406888	23.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.56%
37) Toluene-d8	10.33	98	1216574	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.84%
38) trans-1,3-Dichloropropene-	10.58	79	169218	23.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.80%
39) 2-Hexanone-d5	10.93	63	169197	48.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.32%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	378759	23.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	459686	23.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	276751	22.318	ug/L	97
3) Chloromethane	2.22	50	349004	23.728	ug/L	99
5) Vinyl chloride	2.37	62	483864	22.667	ug/L	100
6) Bromomethane	2.79	94	279460	22.841	ug/L	99
8) Chloroethane	2.93	64	274329	22.910	ug/L	94
9) Trichlorofluoromethane	3.26	101	218387	20.304	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	349720	22.124	ug/L	98
12) 1,1-Dichloroethene	4.03	96	350220	22.567	ug/L	94
13) Acetone	4.14	43	177460	43.387	ug/L	97
14) Carbon disulfide	4.37	76	1238726	22.894	ug/L	99
15) Methyl Acetate	4.67	43	199826	22.607	ug/L	100
16) Methylene chloride	4.92	84	417001	20.140	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	488949	24.124	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	367570	23.066	ug/L	99
19) 1,1-Dichloroethane	6.21	63	656534	23.286	ug/L	98
21) 2-Butanone	7.18	43	255210	44.613	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	398022	23.675	ug/L	97

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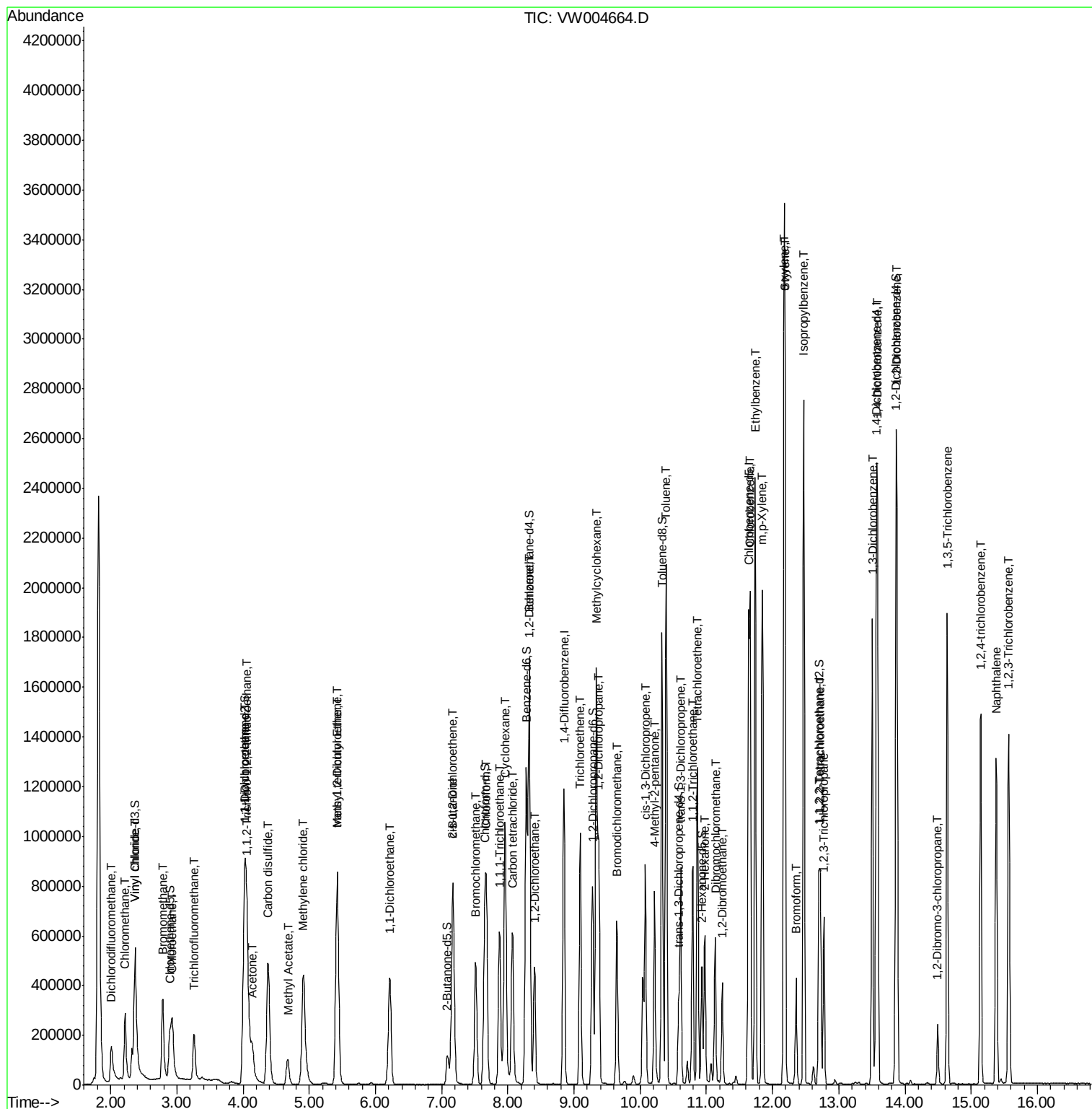
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	182349	23.252	ug/L	98
25) Chloroform	7.68	83	651438	23.219	ug/L	99
27) 1,2-Dichloroethane	8.40	62	424144	23.383	ug/L	99
30) Cyclohexane	7.96	56	632607	24.235	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	516276	23.105	ug/L	99
32) Carbon tetrachloride	8.07	117	485413	22.833	ug/L	99
34) Benzene	8.32	78	1513239	23.802	ug/L	100
35) Trichloroethene	9.09	95	372260	23.267	ug/L	99
36) Methylcyclohexane	9.34	83	713719	23.908	ug/L	99
40) 1,2-Dichloropropane	9.37	63	384982	23.864	ug/L	100
41) Bromodichloromethane	9.65	83	445651	23.644	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	544640	24.257	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	504744	47.253	ug/L	99
44) Toluene	10.39	91	1549433	24.068	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	476452	24.066	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	286600	23.505	ug/L	99
47) Tetrachloroethene	10.87	164	302187	22.765	ug/L	99
49) 2-Hexanone	10.98	43	371661	47.774	ug/L	99
50) Dibromochloromethane	11.13	129	319823	23.319	ug/L	99
51) 1,2-Dibromoethane	11.24	107	277538	23.611	ug/L	97
52) Chlorobenzene	11.66	112	1004543	23.370	ug/L	100
53) Ethylbenzene	11.74	91	1721386	24.004	ug/L	100
54) m,p-Xylene	11.84	106	661274	24.265	ug/L	99
55) o-xylene	12.17	106	633018	24.576	ug/L	99
56) Styrene	12.19	104	1106574	25.047	ug/L	99
57) Isopropylbenzene	12.47	105	1716602	24.608	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	383512	22.809	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	285027	23.025	ug/L	100
62) Bromoform	12.35	173	206402	23.634	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	776456	23.825	ug/L	100
64) 1,4-Dichlorobenzene	13.59	146	812866	23.350	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	766872	23.858	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	62116	22.932	ug/L	96
67) 1,3,5-Trichlorobenzene	14.64	180	622270	23.736	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	518864	24.430	ug/L	99
69) Naphthalene	15.38	128	1116154	25.533	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	509138	25.115	ug/L	99

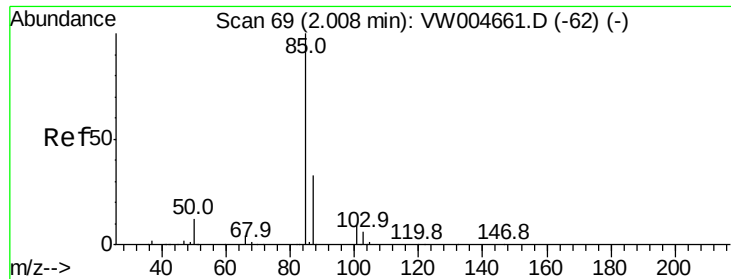
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.318 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

Instrument :

MSVOA_W

ClientSampleId :

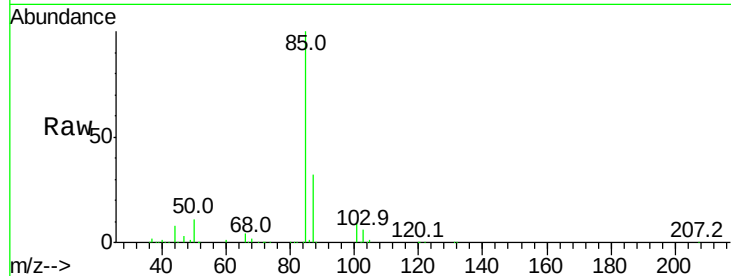
VICV94

Tgt Ion: 85 Resp: 276751

Ion Ratio Lower Upper

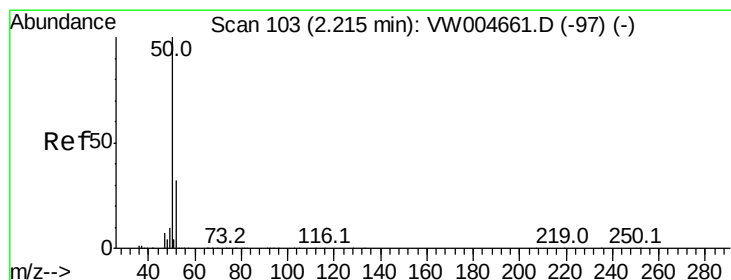
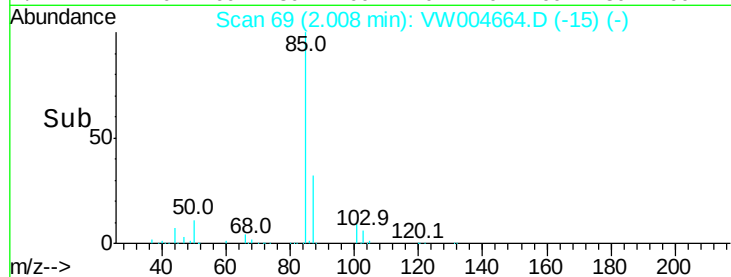
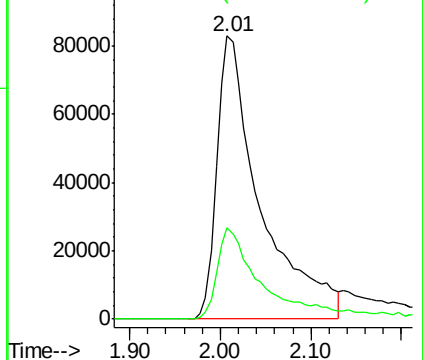
85 100

87 29.9 19.9 37.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.728 ug/L

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004664.D

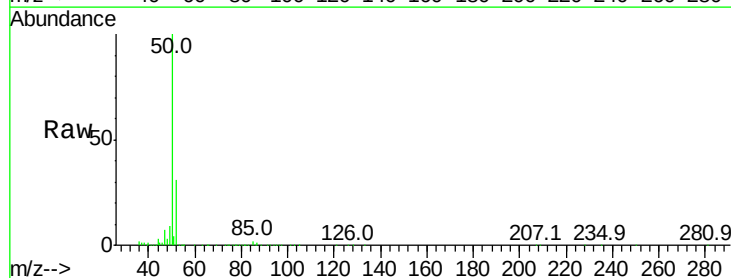
Acq: 14 Aug 2018 12:10

Tgt Ion: 50 Resp: 349004

Ion Ratio Lower Upper

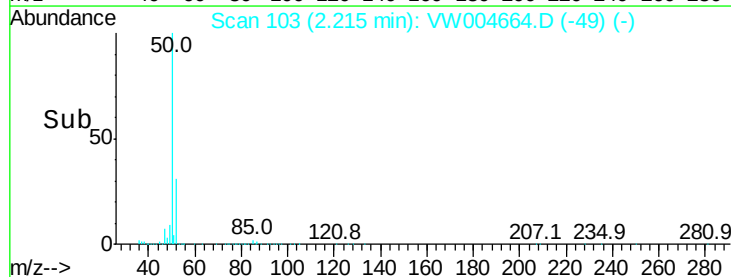
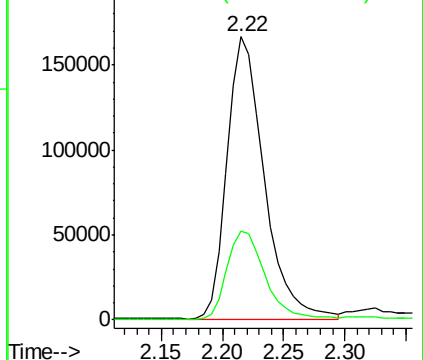
50 100

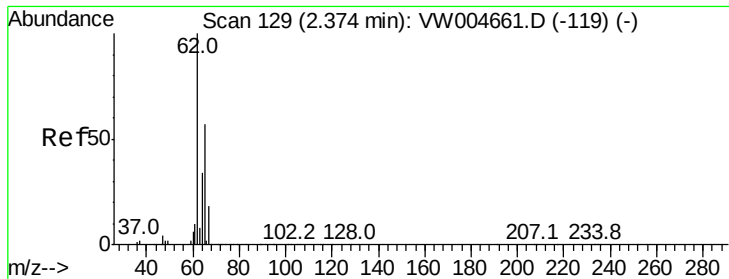
52 31.3 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.667 ug/L

RT: 2.37 min Scan# 129

Delta R.T. -0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

Instrument :

MSVOA_W

ClientSampled :

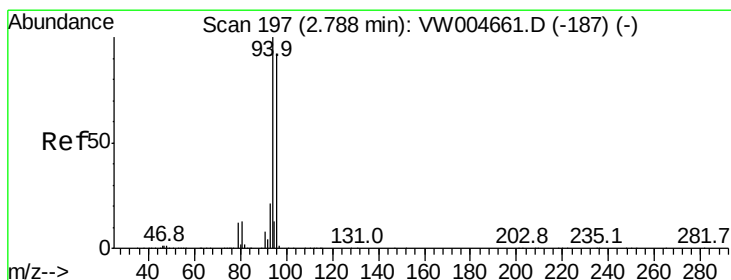
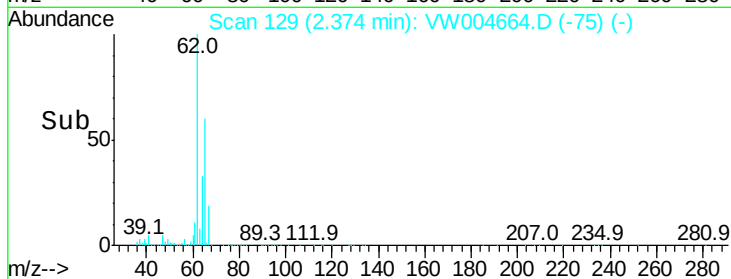
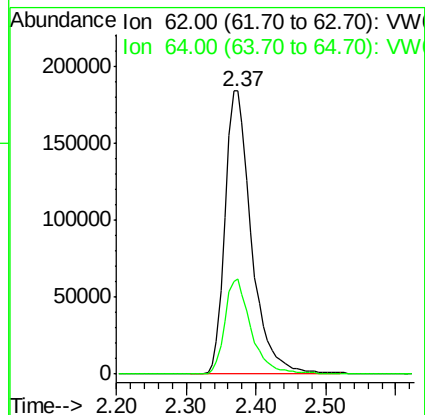
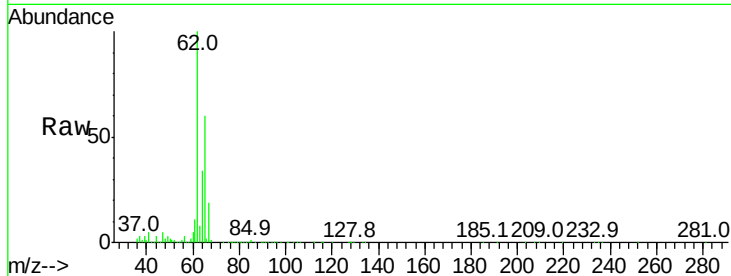
VICV94

Tgt Ion: 62 Resp: 483864

Ion Ratio Lower Upper

62 100

64 33.5 23.7 43.9



#6

Bromomethane

Concen: 22.841 ug/L

RT: 2.79 min Scan# 197

Delta R.T. 0.00 min

Lab File: VW004664.D

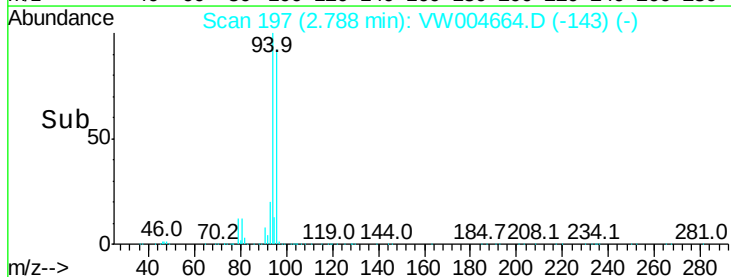
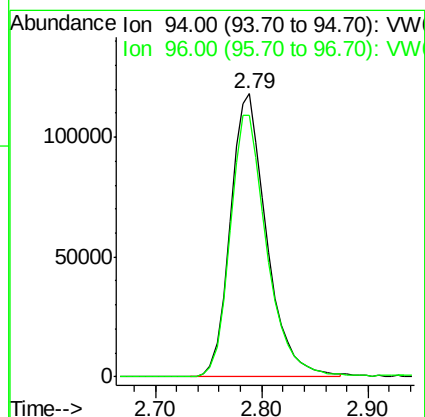
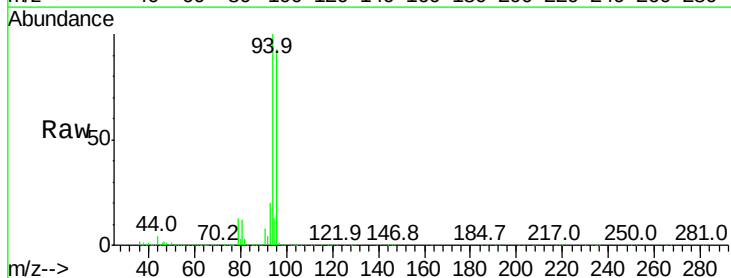
Acq: 14 Aug 2018 12:10

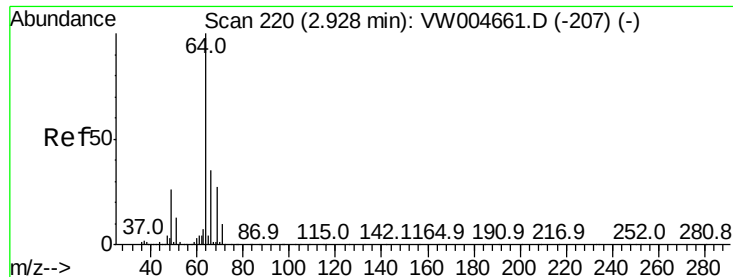
Tgt Ion: 94 Resp: 279460

Ion Ratio Lower Upper

94 100

96 94.4 9.3 177.7





#8

Chloroethane

Concen: 22.910 ug/L

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

Instrument :

MSVOA_W

ClientSampled :

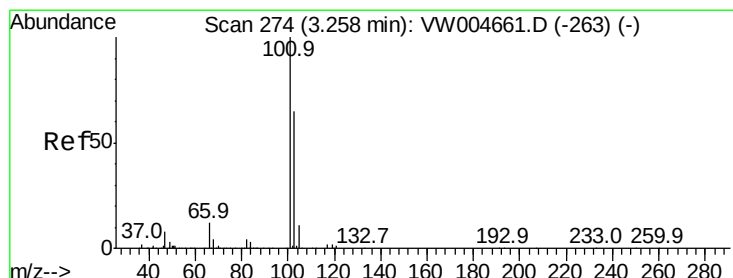
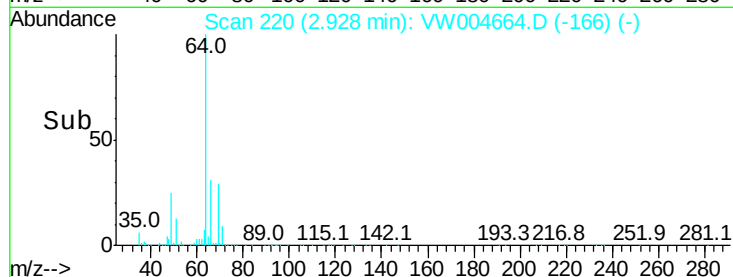
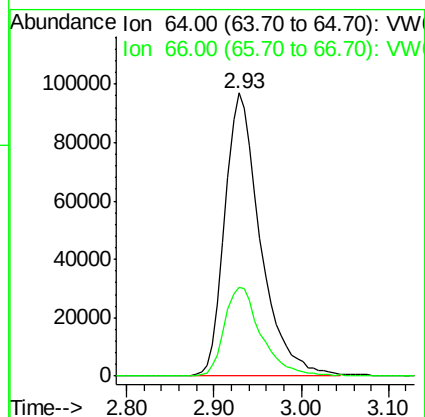
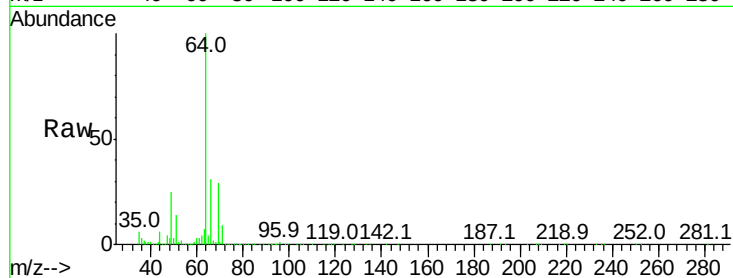
VICV94

Tgt Ion: 64 Resp: 274329

Ion Ratio Lower Upper

64 100

66 31.3 24.2 45.0



#9

Trichlorofluoromethane

Concen: 20.304 ug/L

RT: 3.26 min Scan# 274

Delta R.T. -0.00 min

Lab File: VW004664.D

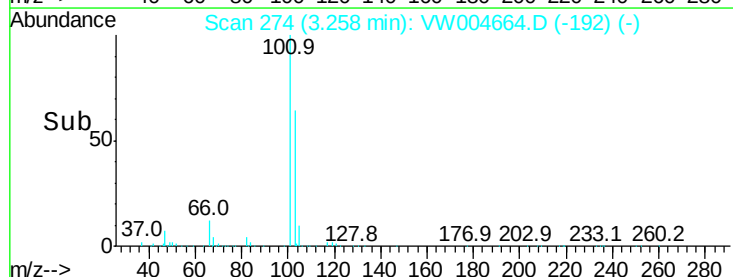
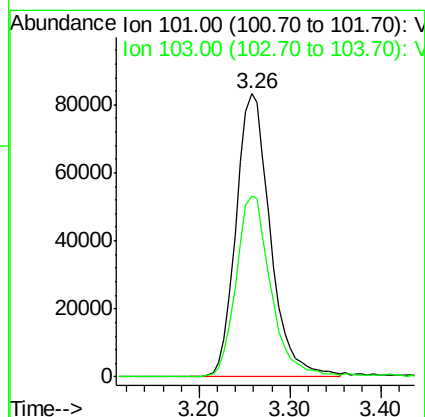
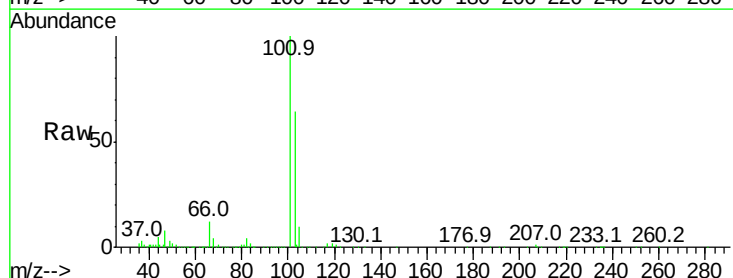
Acq: 14 Aug 2018 12:10

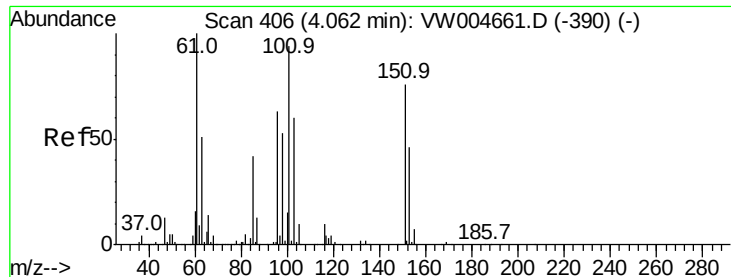
Tgt Ion: 101 Resp: 218387

Ion Ratio Lower Upper

101 100

103 64.3 45.1 83.7





#11

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

Concen: 22.124 ug/L

RT: 4.06 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

Instrument :

MSVOA_W

ClientSampled :

VICV94

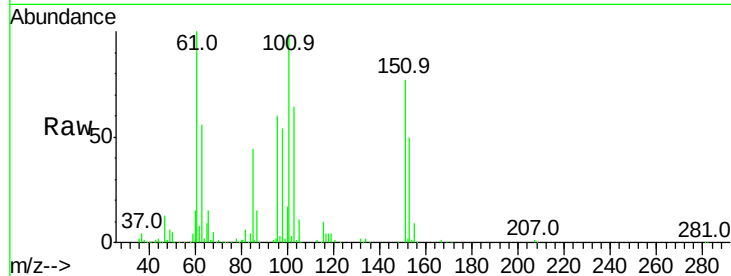
Tgt Ion: 101 Resp: 349720

Ion Ratio Lower Upper

101 100

85 44.4 33.2 49.8

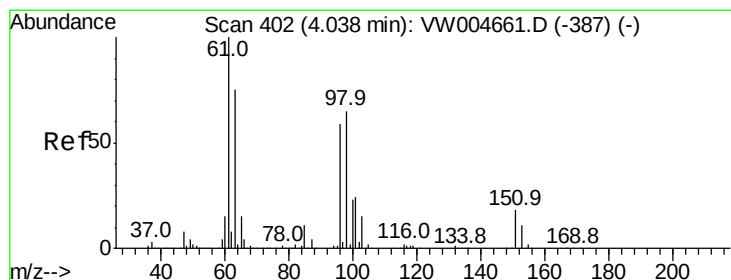
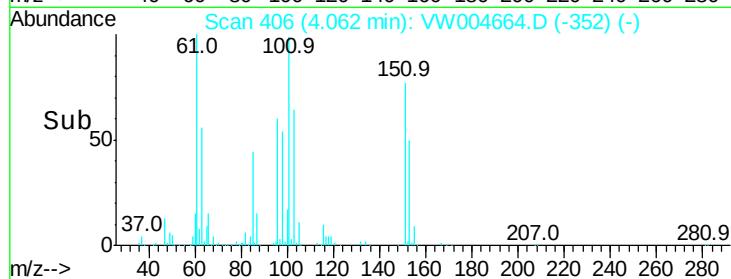
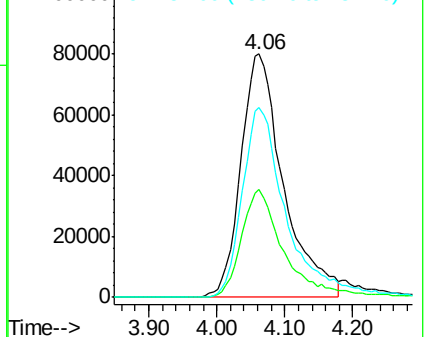
151 79.8 63.0 94.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 22.567 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.01 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

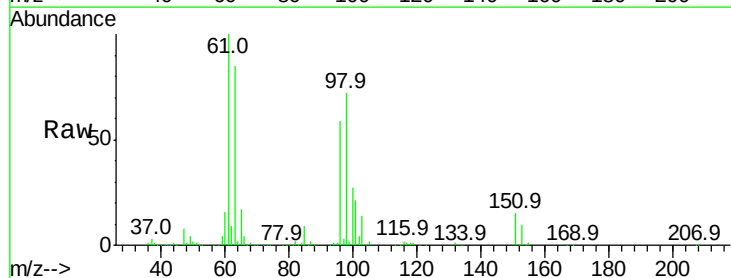
Tgt Ion: 96 Resp: 350220

Ion Ratio Lower Upper

96 100

61 169.2 118.9 220.7

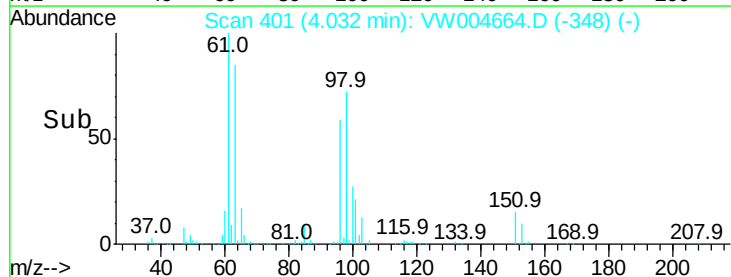
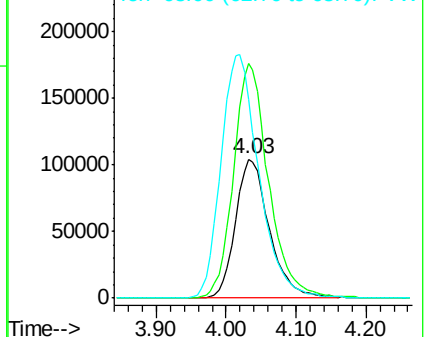
63 143.2 88.9 165.1

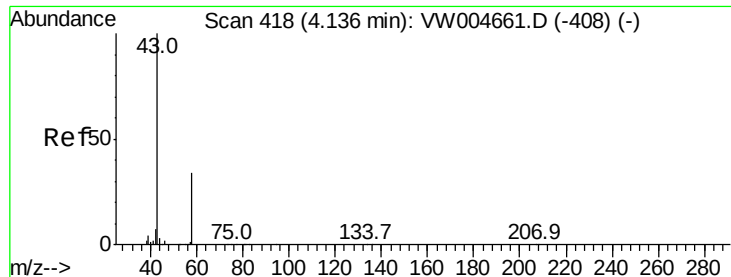


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.387 ug/L

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

Instrument :

MSVOA_W

ClientSampled :

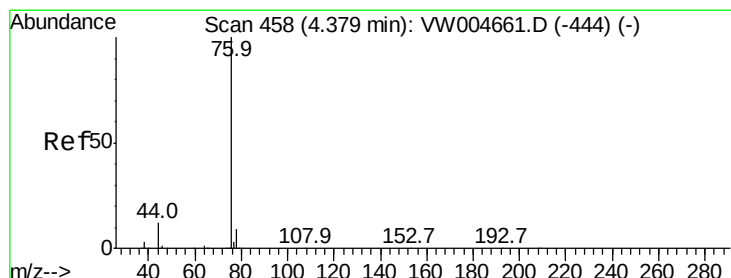
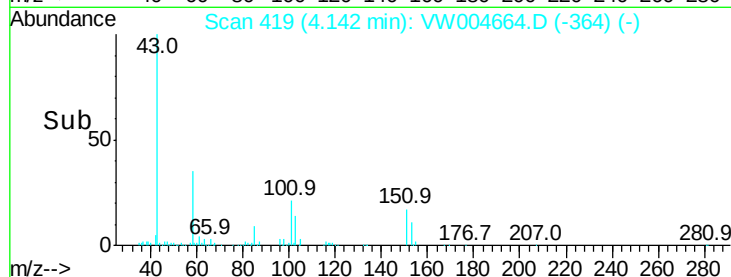
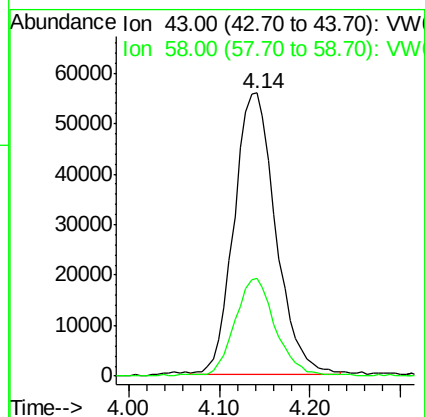
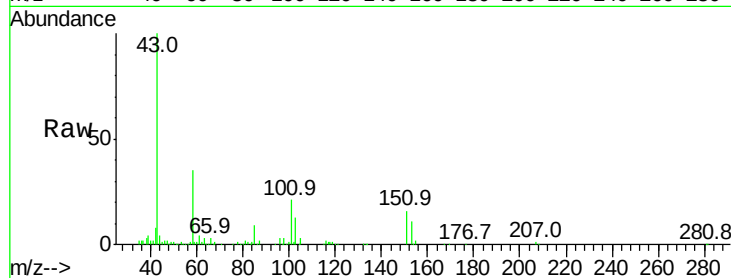
VICV94

Tgt Ion: 43 Resp: 177460

Ion Ratio Lower Upper

43 100

58 33.0 0.0 69.4



#14

Carbon disulfide

Concen: 22.894 ug/L

RT: 4.37 min Scan# 457

Delta R.T. -0.01 min

Lab File: VW004664.D

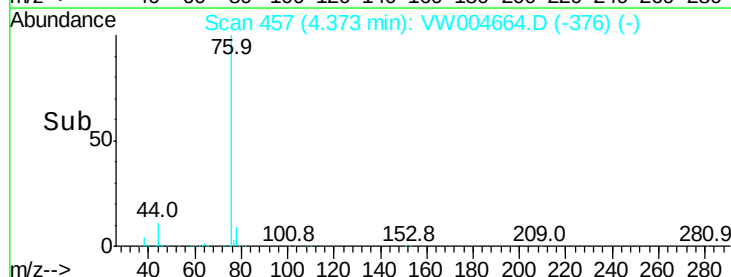
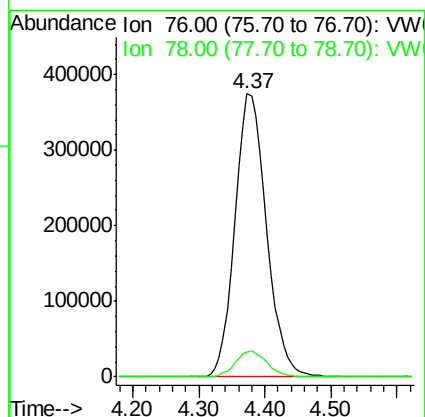
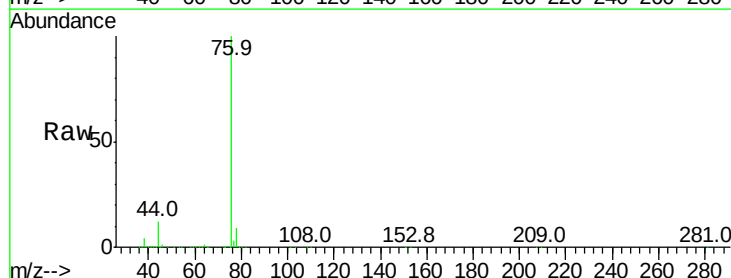
Acq: 14 Aug 2018 12:10

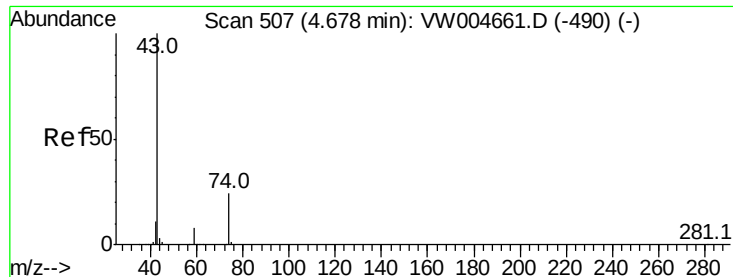
Tgt Ion: 76 Resp: 1238726

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2





#15

Methyl Acetate

Concen: 22.607 ug/L

RT: 4.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

Instrument :

MSVOA_W

ClientSampleId :

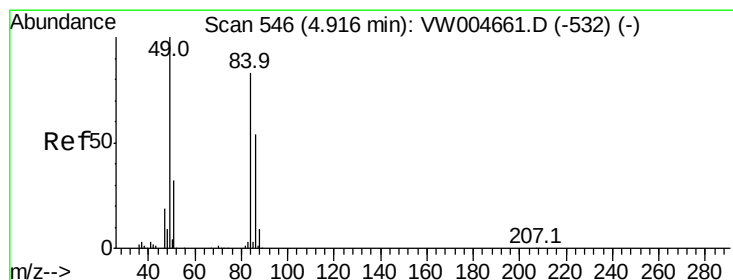
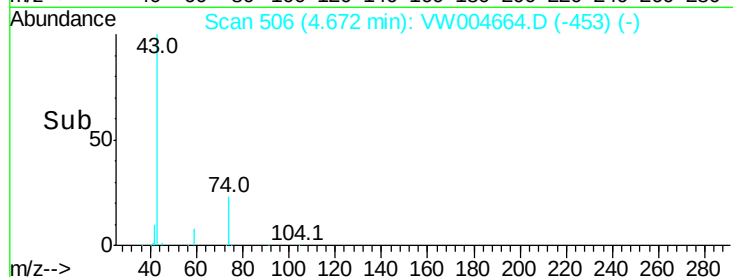
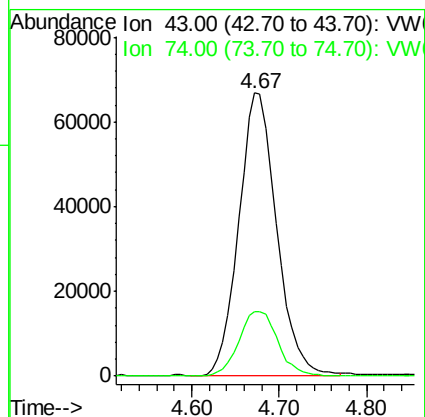
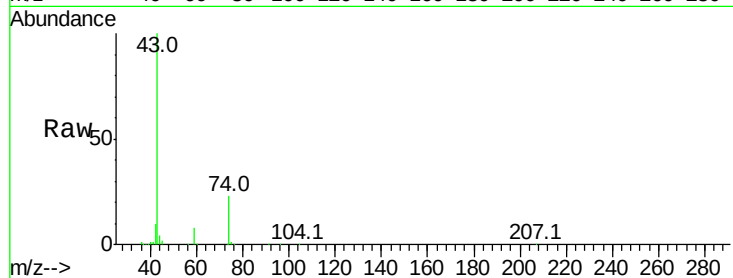
VICV94

Tgt Ion: 43 Resp: 199826

Ion Ratio Lower Upper

43 100

74 23.7 18.8 28.2



#16

Methylene chloride

Concen: 20.140 ug/L

RT: 4.92 min Scan# 546

Delta R.T. 0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

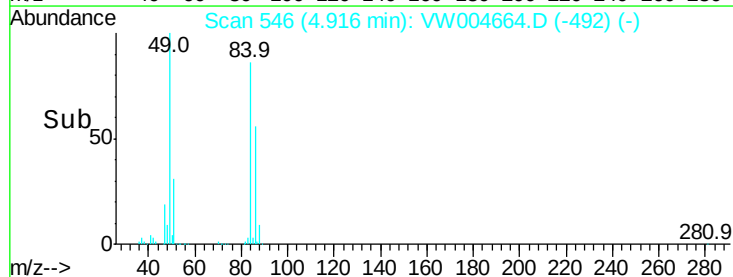
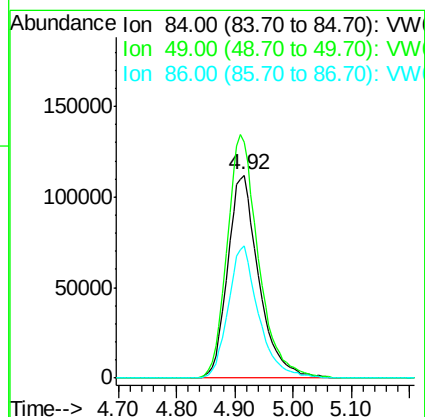
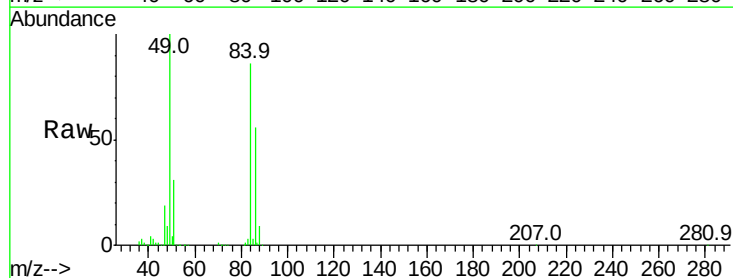
Tgt Ion: 84 Resp: 417001

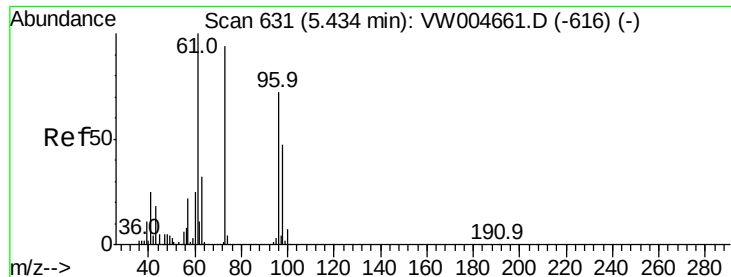
Ion Ratio Lower Upper

84 100

49 116.4 84.9 157.7

86 65.2 45.7 84.9

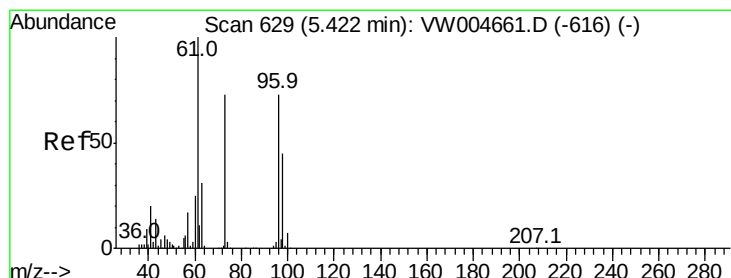
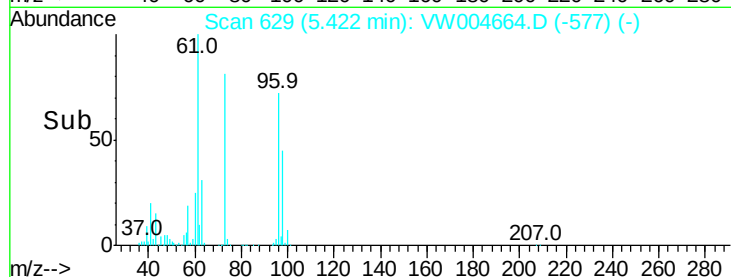
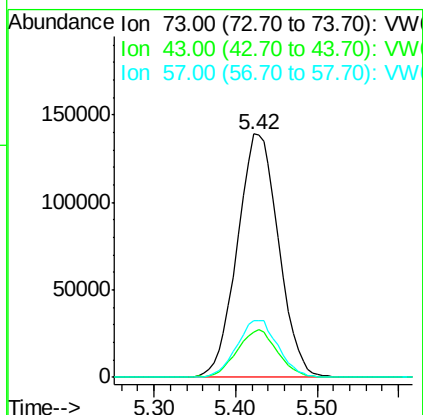
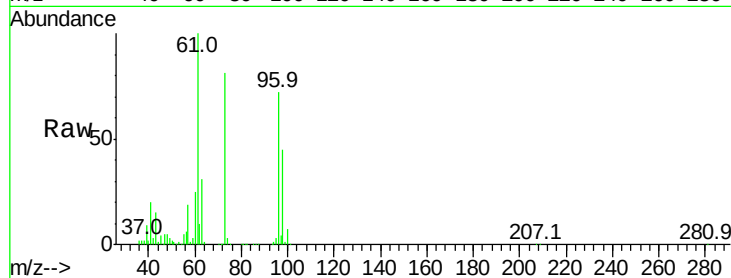




#17
Methyl tert-butyl Ether
Concen: 24.124 ug/L
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW004664.D
Acq: 14 Aug 2018 12:10

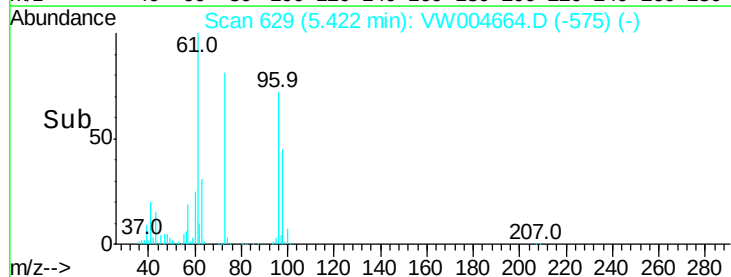
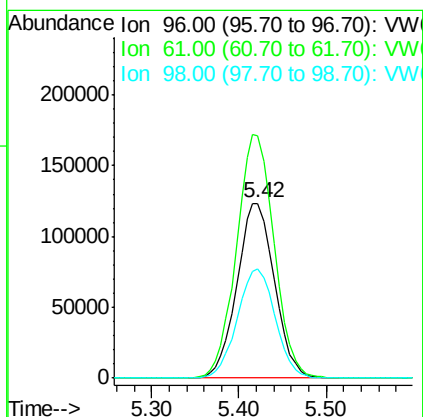
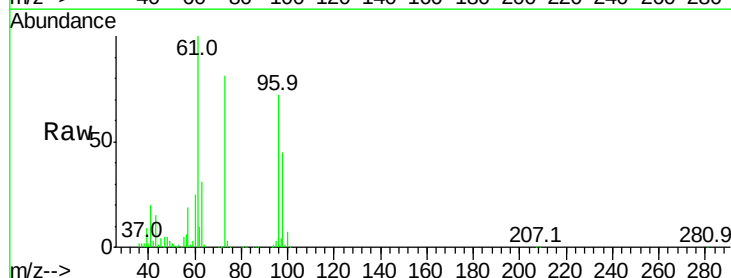
Instrument :
MSVOA_W
ClientSampled :
VICV94

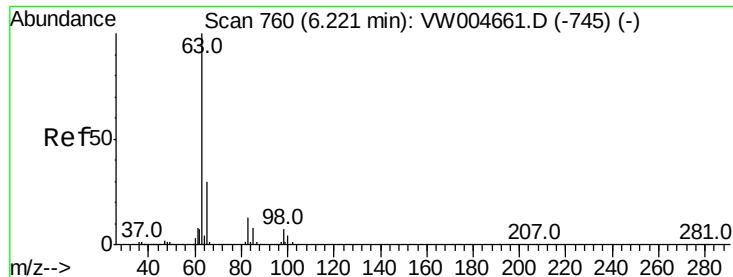
Tgt Ion: 73 Resp: 488949
Ion Ratio Lower Upper
73 100
43 19.1 15.0 22.6
57 23.4 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 23.066 ug/L
RT: 5.42 min Scan# 629
Delta R.T. -0.00 min
Lab File: VW004664.D
Acq: 14 Aug 2018 12:10

Tgt Ion: 96 Resp: 367570
Ion Ratio Lower Upper
96 100
61 138.6 96.1 178.5
98 62.7 43.3 80.5

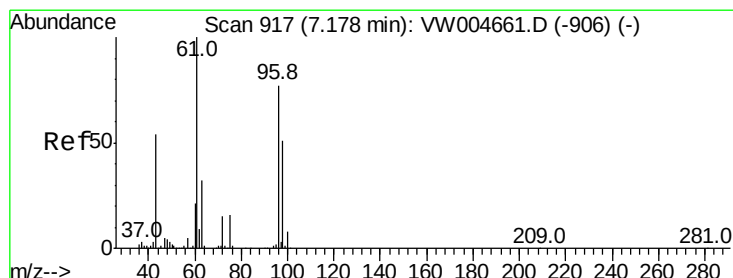
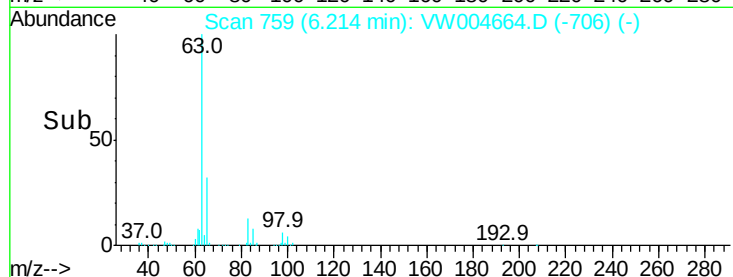
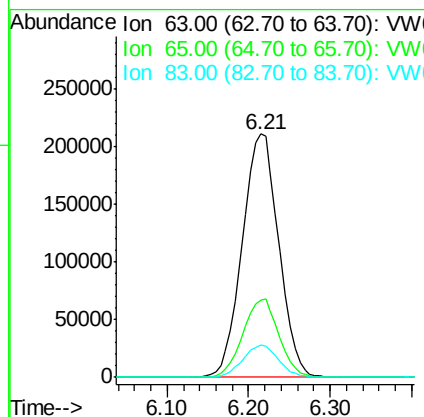
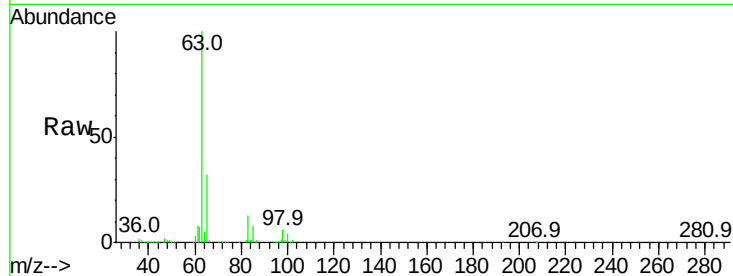




#19
 1,1-Dichloroethane
 Concen: 23.286 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VW004664.D
 Acq: 14 Aug 2018 12:10

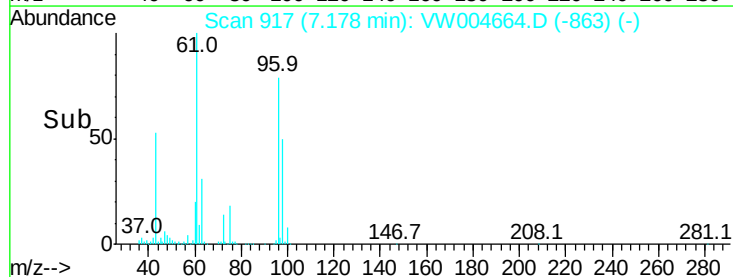
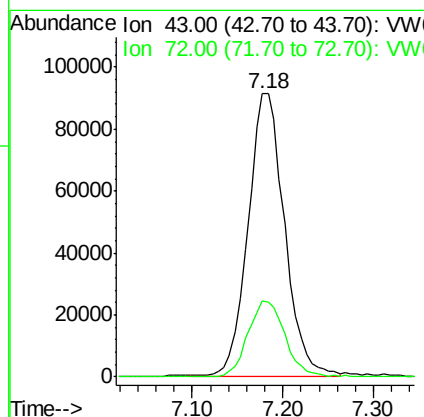
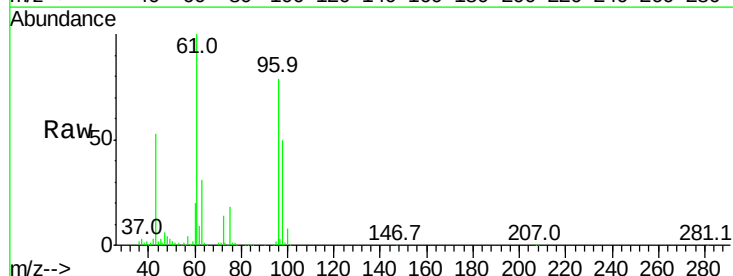
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV94

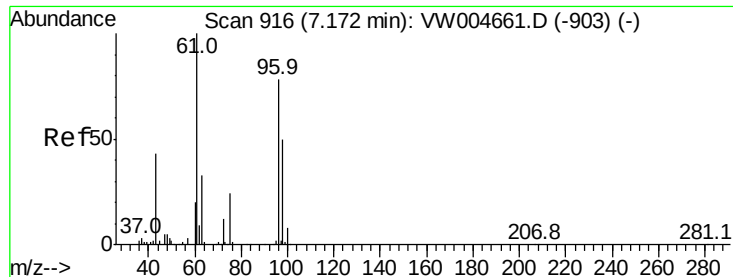
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.0	21.2	39.4
83	13.1	9.2	17.0



#21
 2-Butanone
 Concen: 44.613 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VW004664.D
 Acq: 14 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.0	14.1	42.2



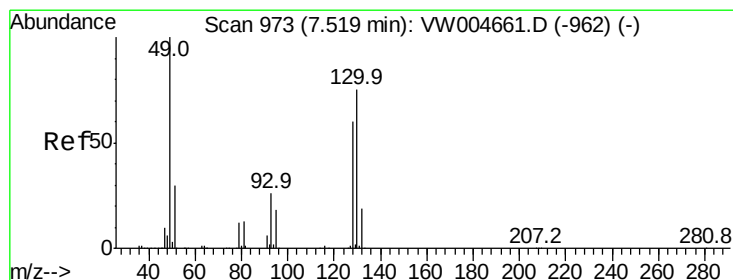
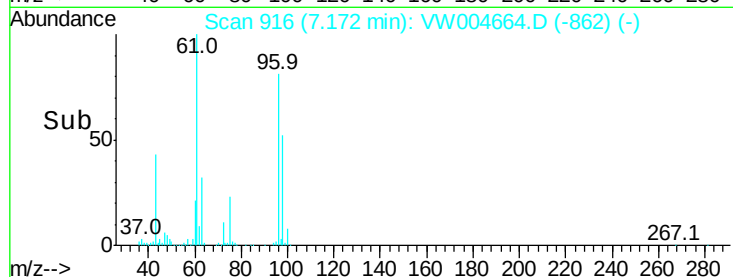
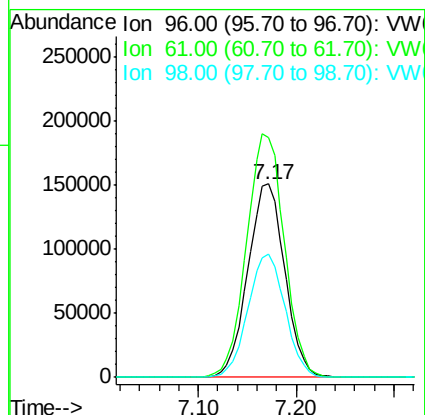
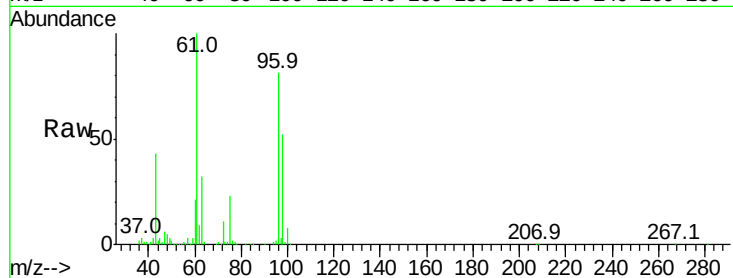


#22

cis-1,2-Dichloroethene
 Concen: 23.675 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW004664.D
 Acq: 14 Aug 2018 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV94

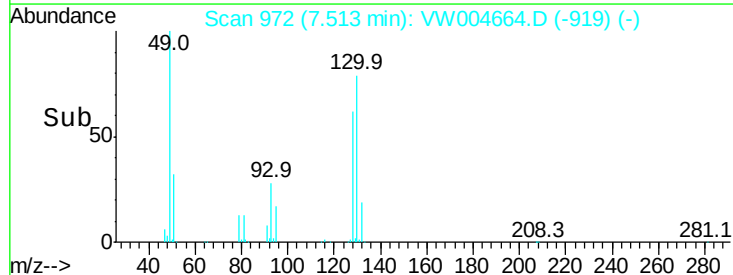
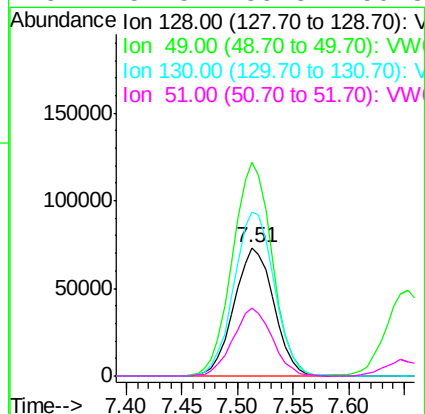
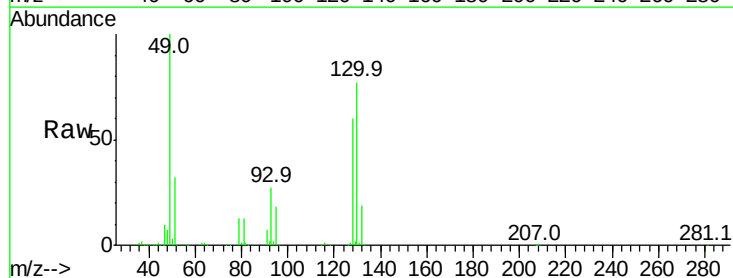
Tgt Ion	Ratio	Lower	Upper
96	100		
61	123.8	89.6	166.4
98	63.8	44.5	82.7

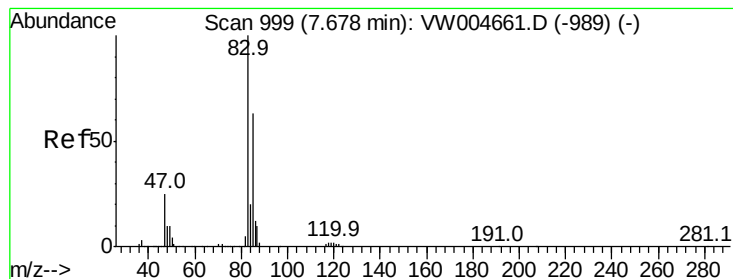


#23

Bromochloromethane
 Concen: 23.252 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. -0.01 min
 Lab File: VW004664.D
 Acq: 14 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
128	100		
49	166.4	116.0	215.4
130	128.0	86.6	160.8
51	52.5	39.8	59.8





#25

Chloroform

Concen: 23.219 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

Instrument :

MSVOA_W

ClientSampleId :

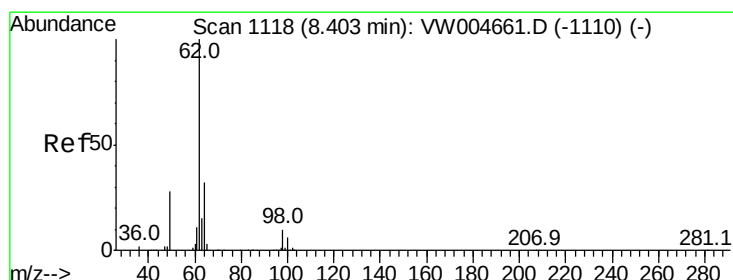
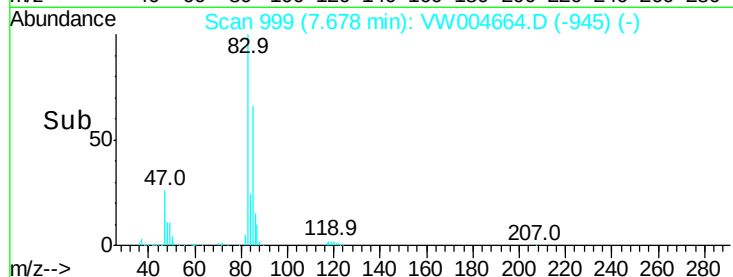
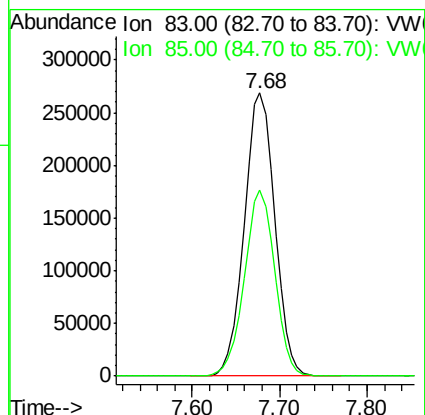
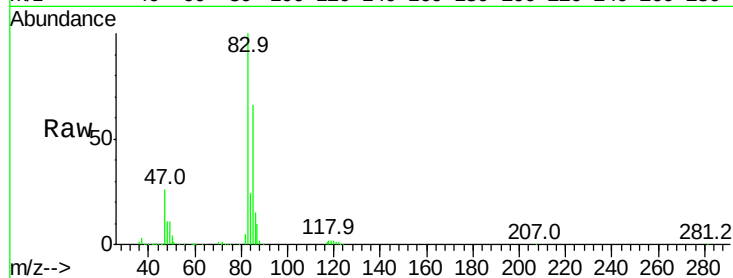
VICV94

Tgt Ion: 83 Resp: 651438

Ion Ratio Lower Upper

83 100

85 65.6 45.5 84.5



#27

1,2-Dichloroethane

Concen: 23.383 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004664.D

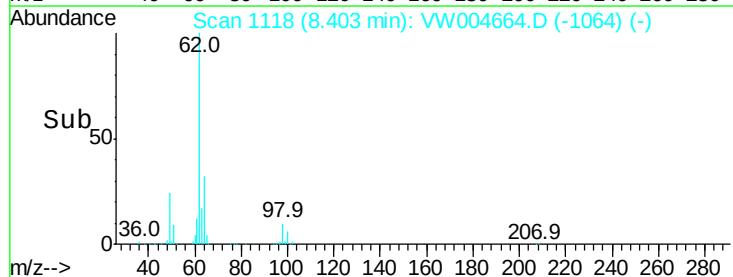
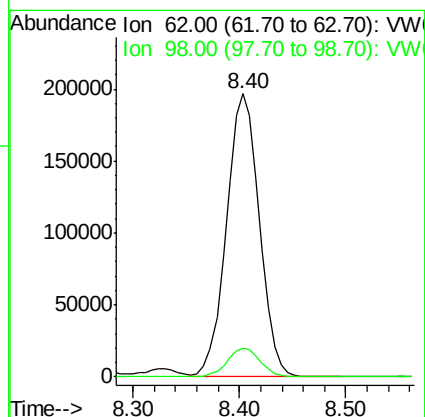
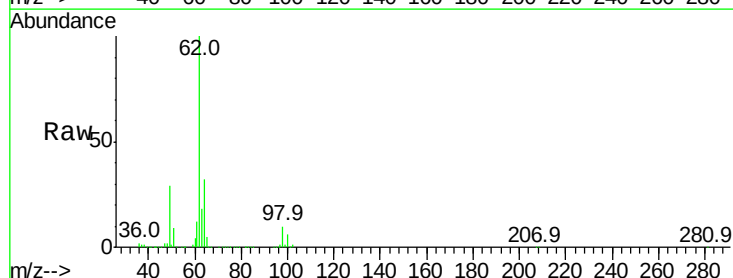
Acq: 14 Aug 2018 12:10

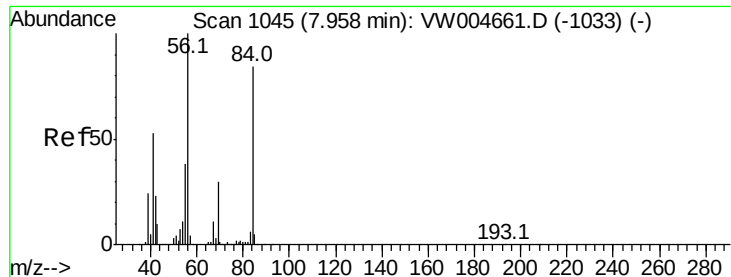
Tgt Ion: 62 Resp: 424144

Ion Ratio Lower Upper

62 100

98 10.3 7.8 11.8

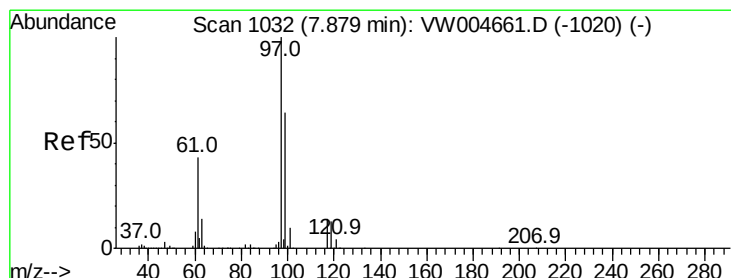
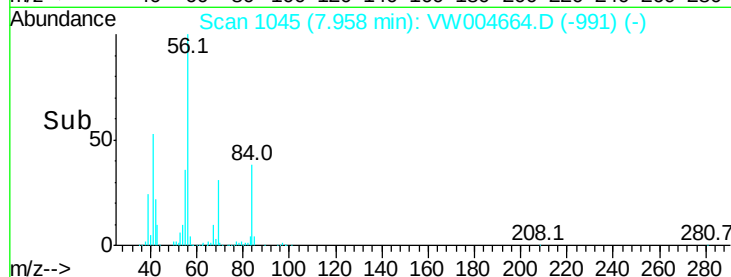
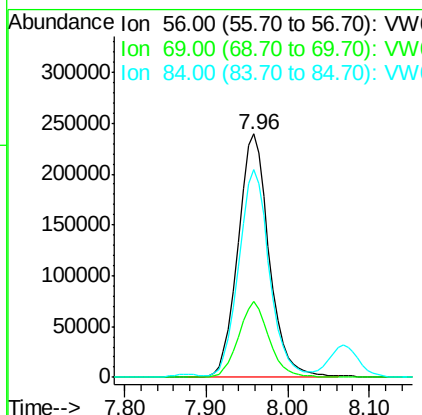
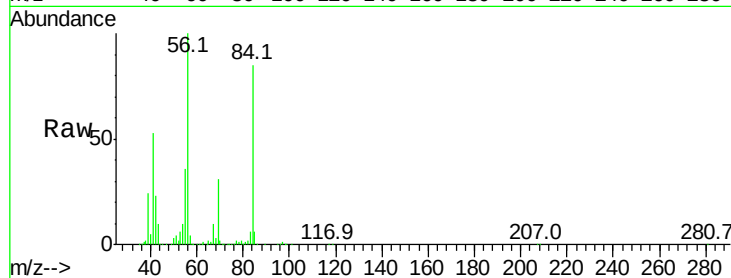




#30
Cyclohexane
Concen: 24.235 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004664.D
Acq: 14 Aug 2018 12:10

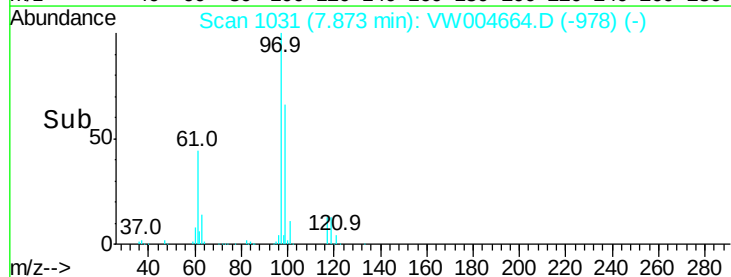
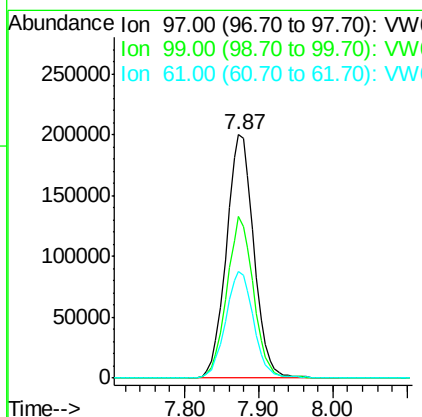
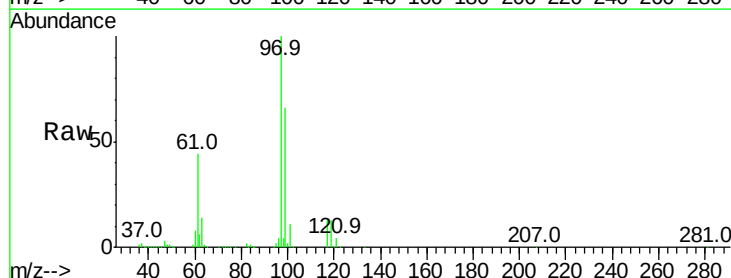
Instrument :
MSVOA_W
ClientSampleId :
VICV94

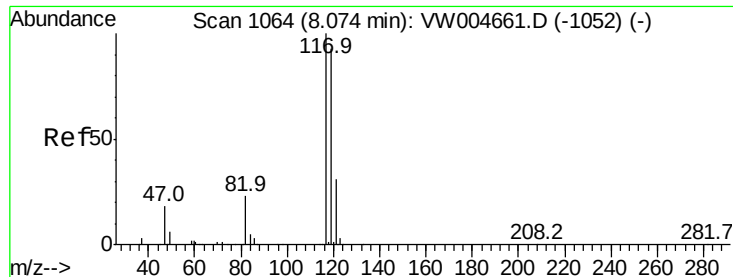
Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.9	35.9
84	84.3	66.4	99.6



#31
1,1,1-Trichloroethane
Concen: 23.105 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VW004664.D
Acq: 14 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.3	76.9
61	44.1	35.6	53.4





#32

Carbon tetrachloride

Concen: 22.833 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

Instrument :

MSVOA_W

ClientSampleId :

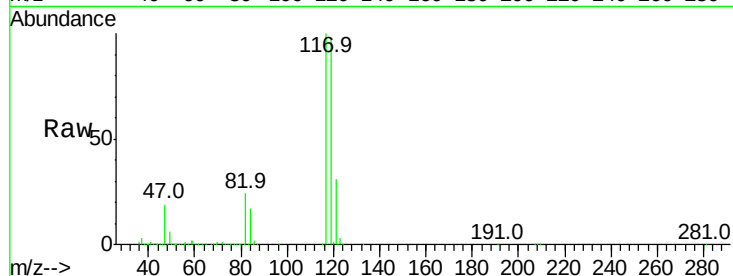
VICV94

Tgt Ion:117 Resp: 485413

Ion Ratio Lower Upper

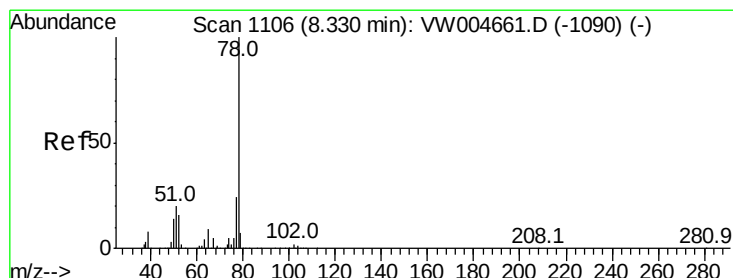
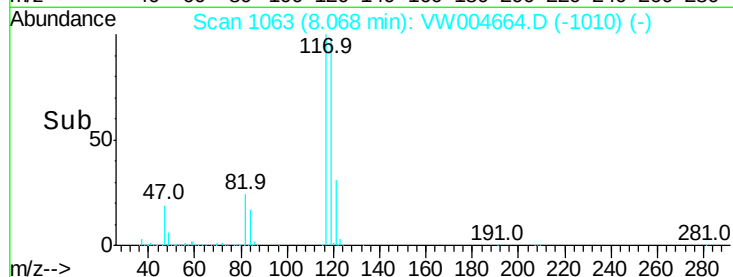
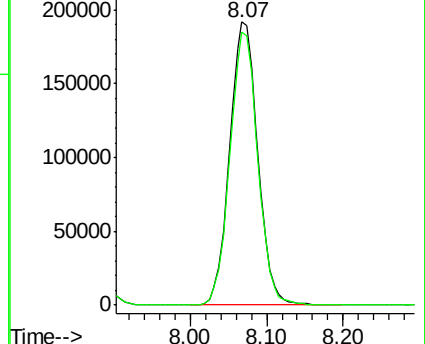
117 100

119 95.9 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.802 ug/L

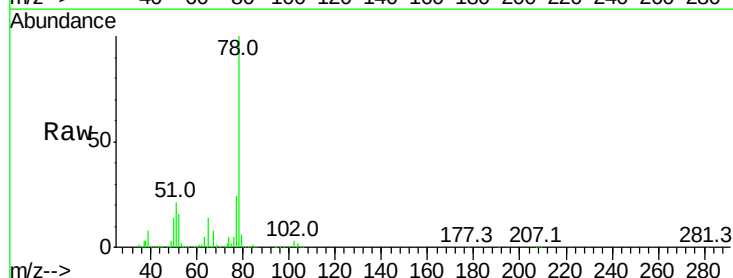
RT: 8.32 min Scan# 1105

Delta R.T. -0.01 min

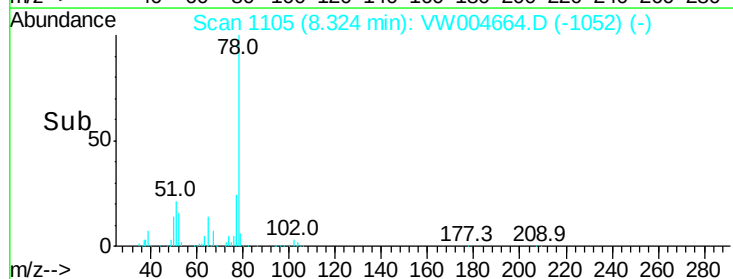
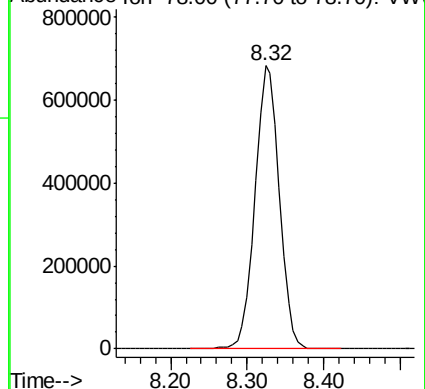
Lab File: VW004664.D

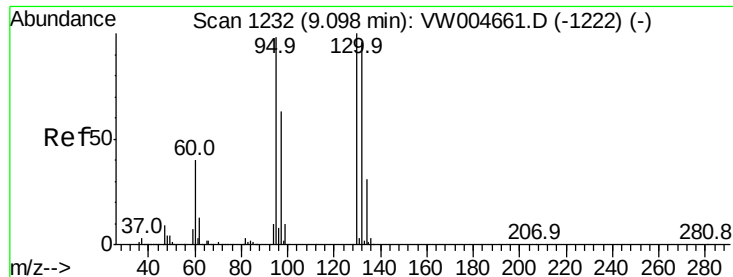
Acq: 14 Aug 2018 12:10

Tgt Ion: 78 Resp: 1513239



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.267 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

Instrument :

MSVOA_W

ClientSampled :

VICV94

Tgt Ion: 95 Resp: 372260

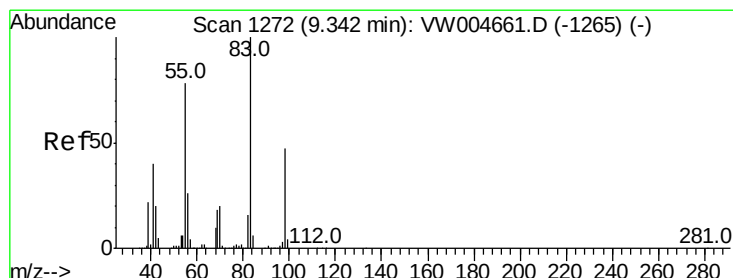
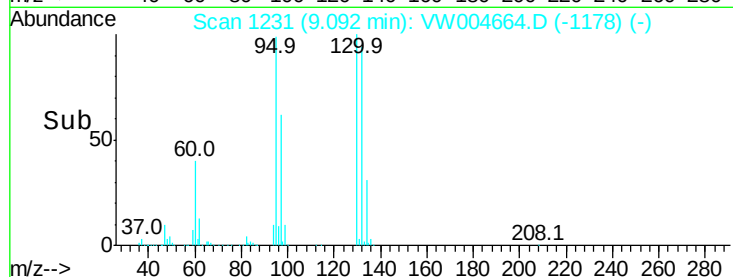
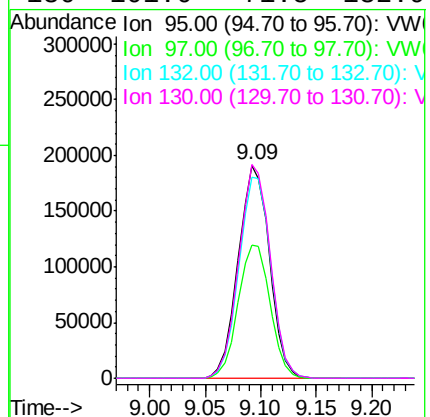
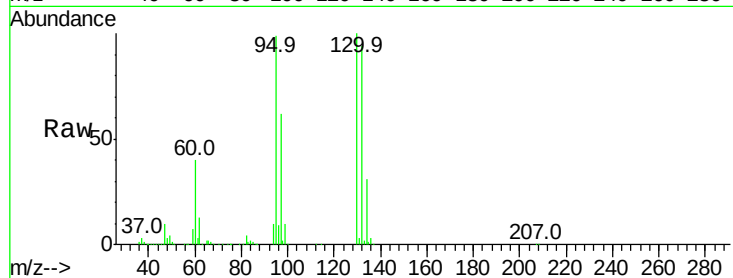
Ion Ratio Lower Upper

95 100

97 64.0 45.1 83.9

132 97.0 68.8 127.8

130 101.0 71.5 132.9



#36

Methylcyclohexane

Concen: 23.908 ug/L

RT: 9.34 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

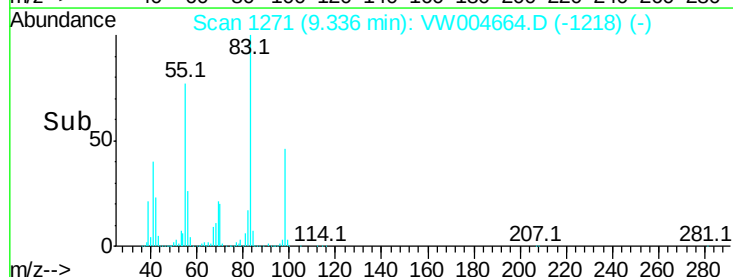
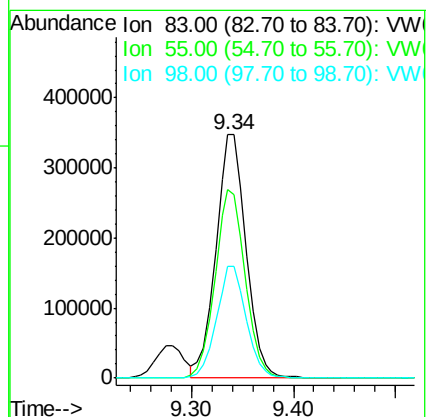
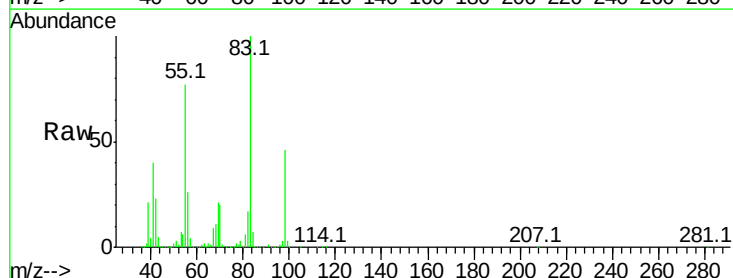
Tgt Ion: 83 Resp: 713719

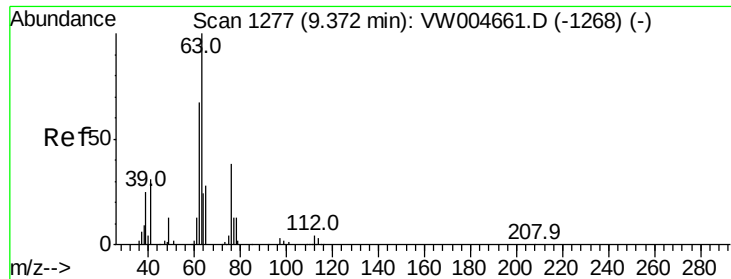
Ion Ratio Lower Upper

83 100

55 77.7 61.4 92.2

98 45.7 36.2 54.4





#40

1,2-Dichloropropane

Concen: 23.864 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

Instrument :

MSVOA_W

ClientSampleId :

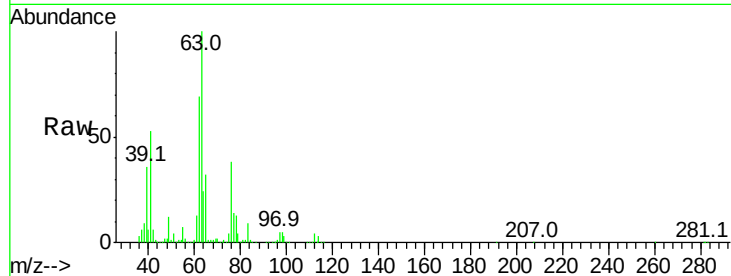
VICV94

Tgt Ion: 63 Resp: 384982

Ion Ratio Lower Upper

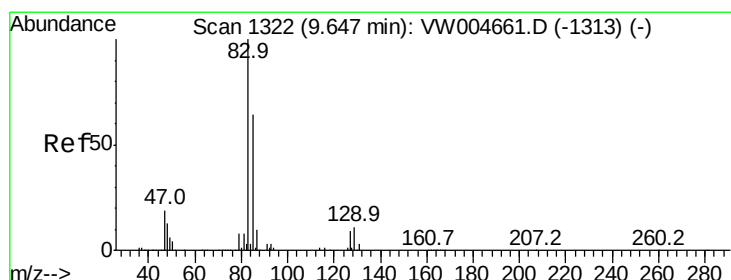
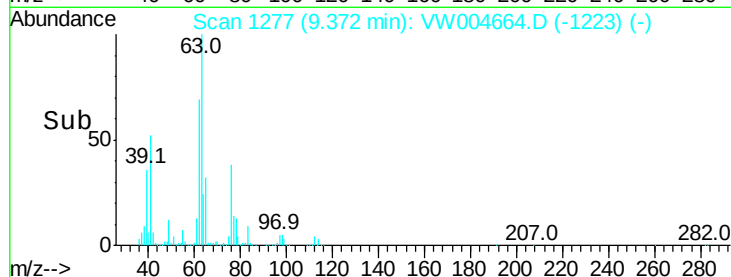
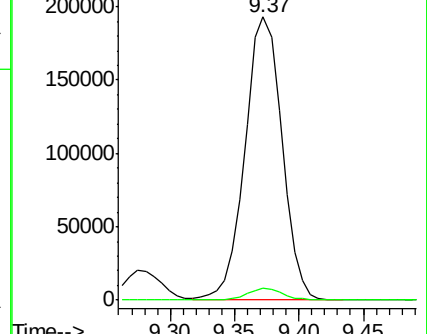
63 100

112 4.2 3.4 5.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 23.644 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

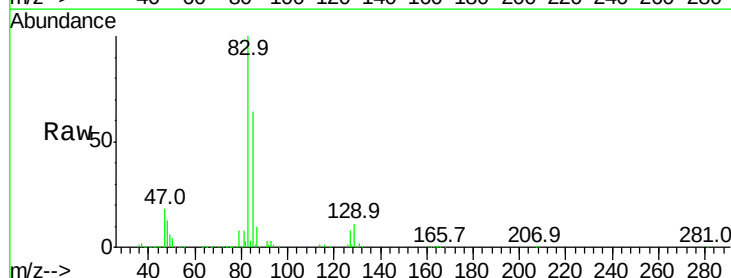
Tgt Ion: 83 Resp: 445651

Ion Ratio Lower Upper

83 100

85 64.3 44.9 83.5

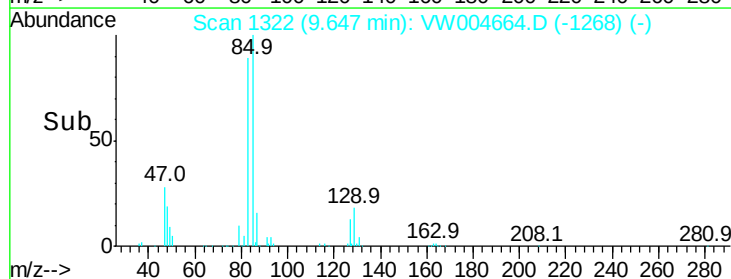
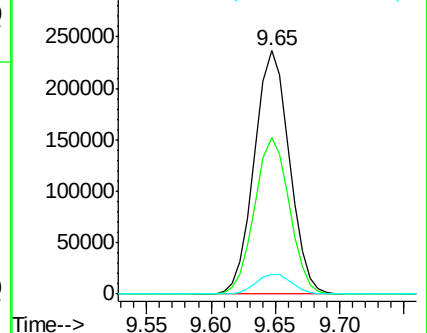
127 8.3 7.0 10.6

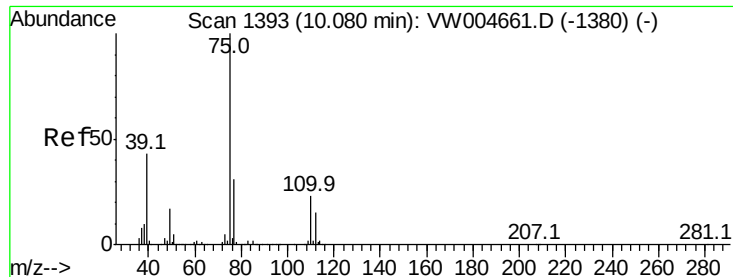


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.257 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

Instrument :

MSVOA_W

ClientSampled :

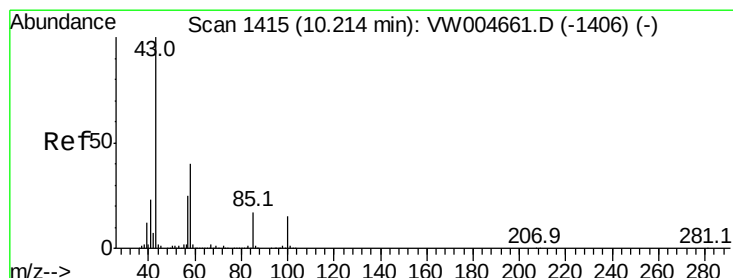
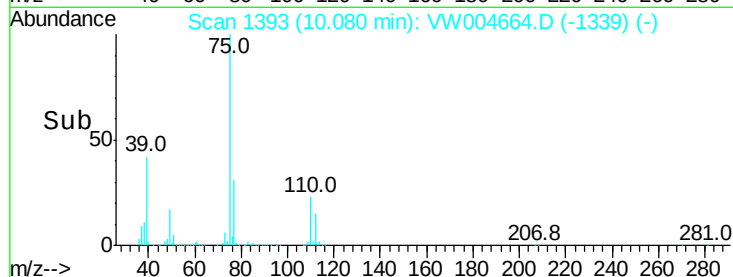
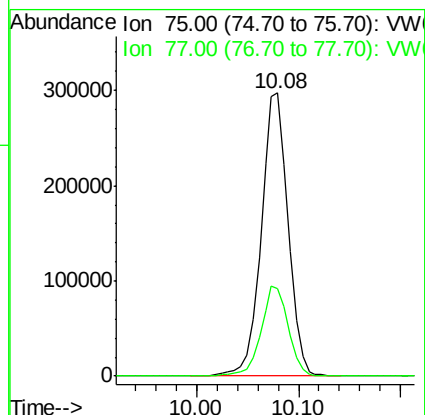
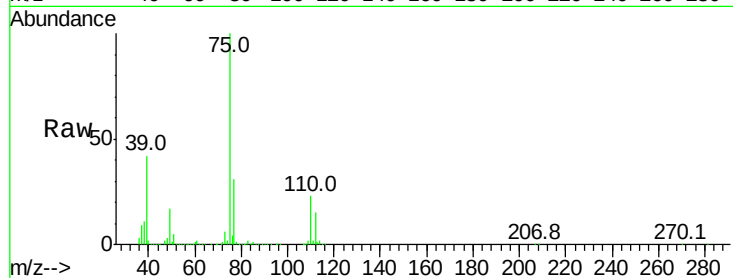
VICV94

Tgt Ion: 75 Resp: 544640

Ion Ratio Lower Upper

75 100

77 30.9 21.7 40.3



#43

4-Methyl-2-pentanone

Concen: 47.253 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

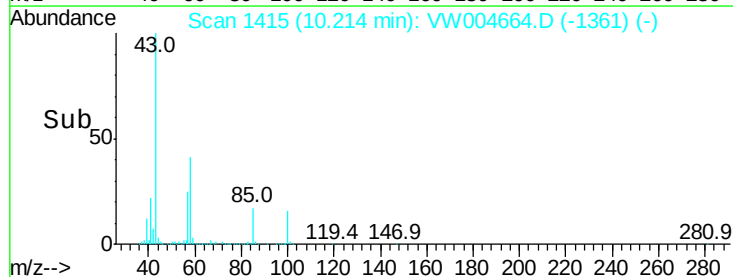
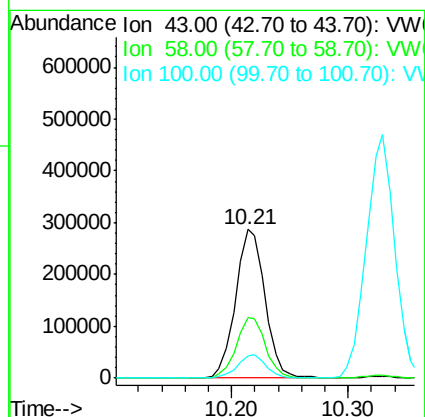
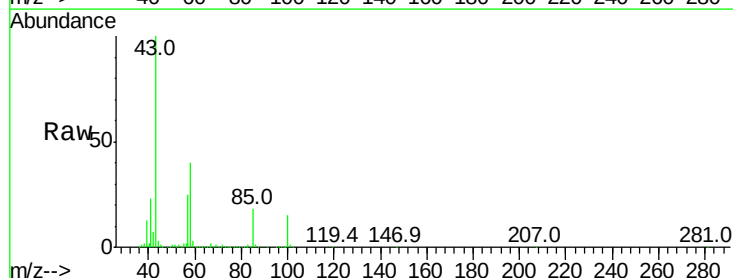
Tgt Ion: 43 Resp: 504744

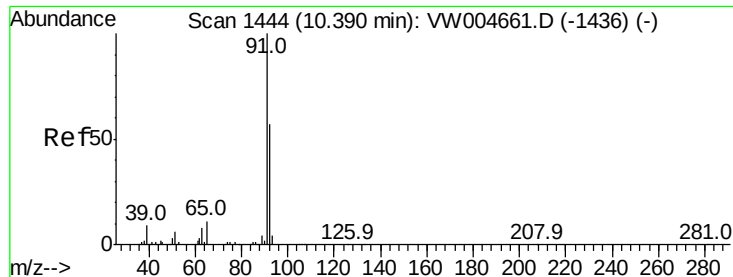
Ion Ratio Lower Upper

43 100

58 40.5 31.8 47.8

100 15.3 12.2 18.4





#44

Toluene

Concen: 24.068 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

Instrument :

MSVOA_W

ClientSampled :

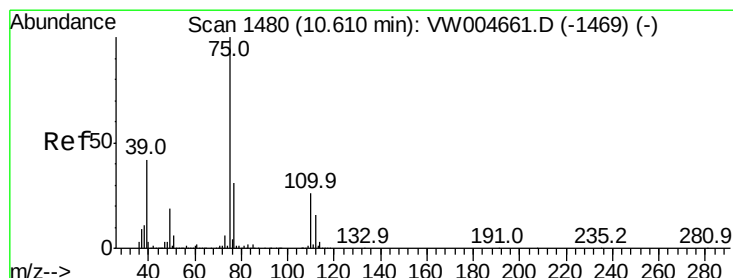
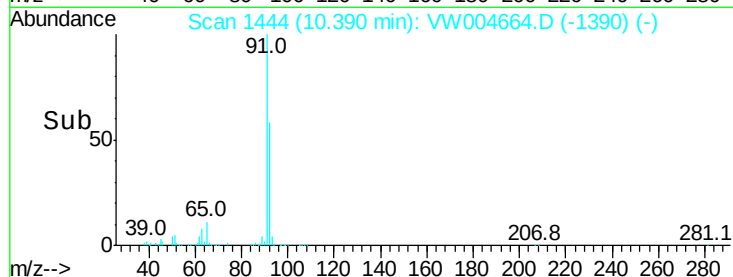
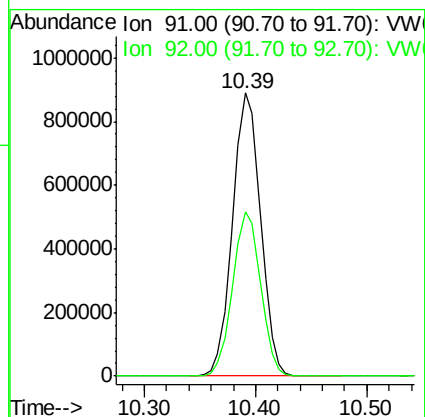
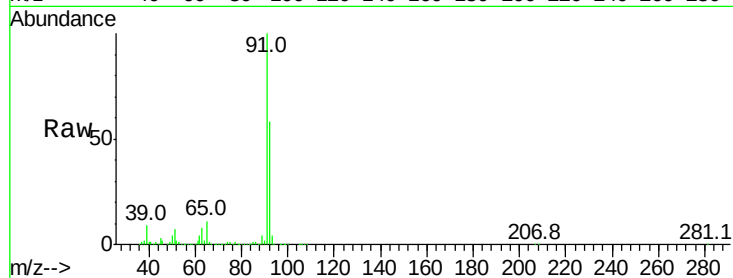
VICV94

Tgt Ion: 91 Resp: 1549433

Ion Ratio Lower Upper

91 100

92 58.0 40.3 74.8



#45

trans-1,3-Dichloropropene

Concen: 24.066 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004664.D

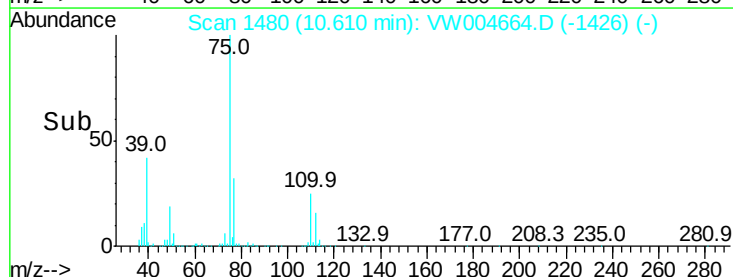
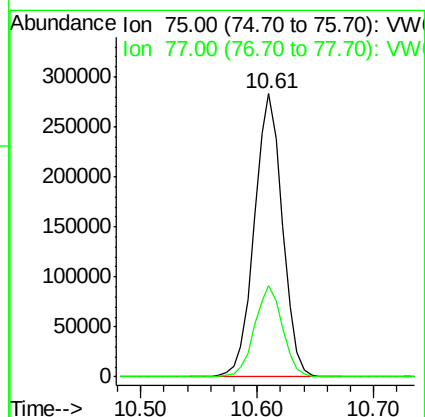
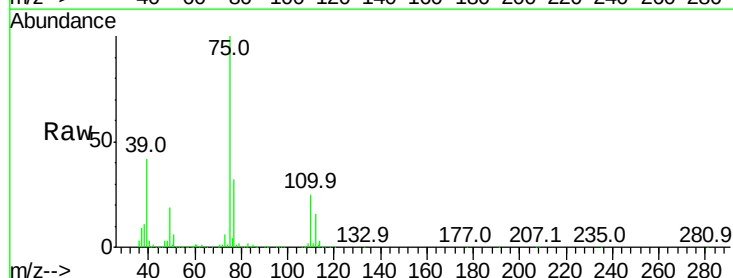
Acq: 14 Aug 2018 12:10

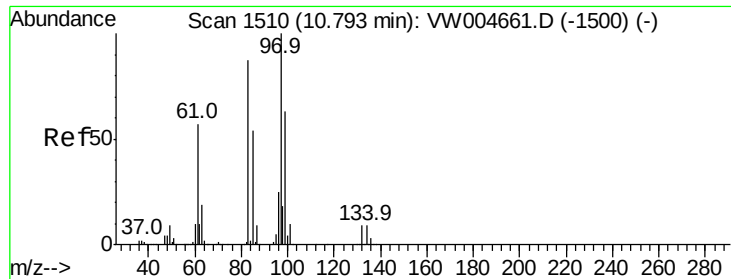
Tgt Ion: 75 Resp: 476452

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.6

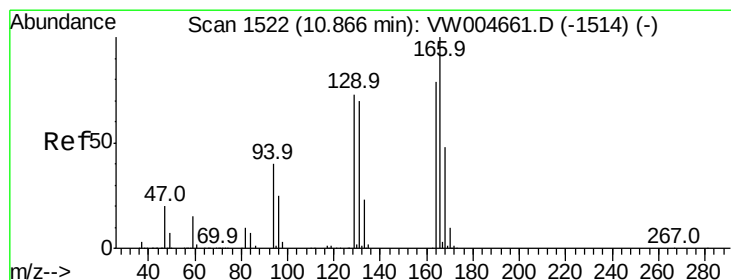
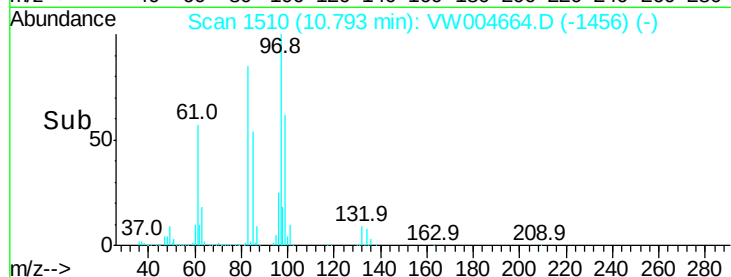
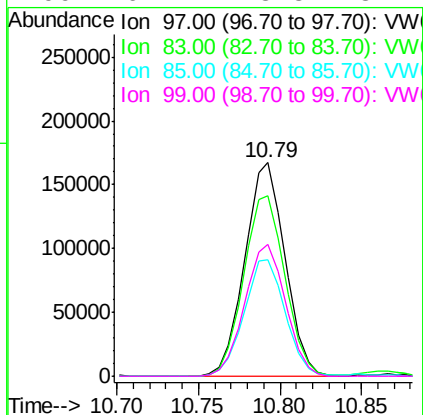
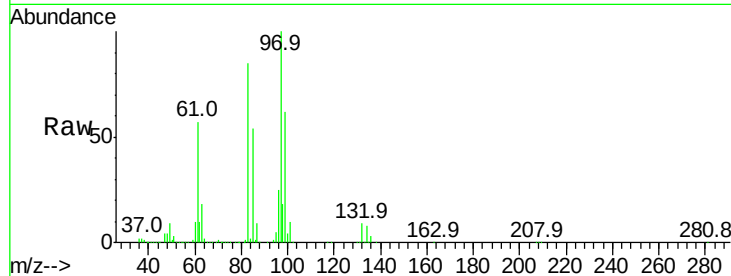




#46
 1,1,2-Trichloroethane
 Concen: 23.505 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004664.D
 Acq: 14 Aug 2018 12:10

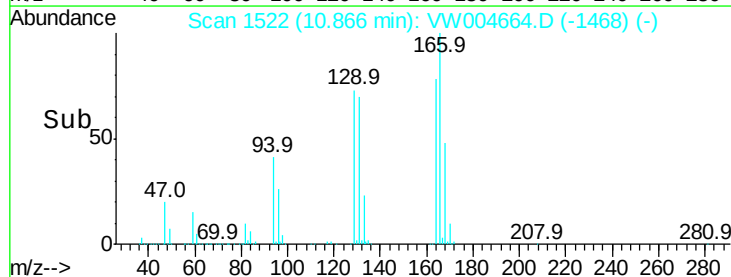
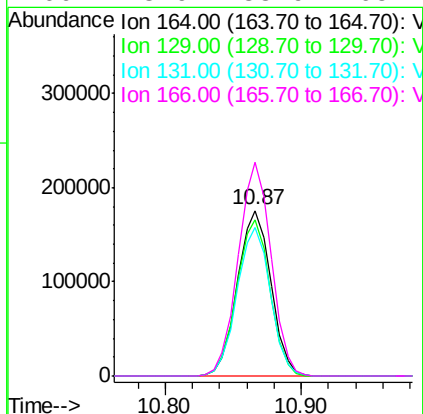
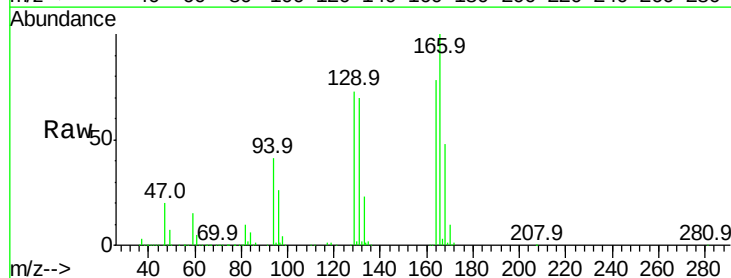
Instrument :
 MSVOA_W
 ClientSampled :
 VICV94

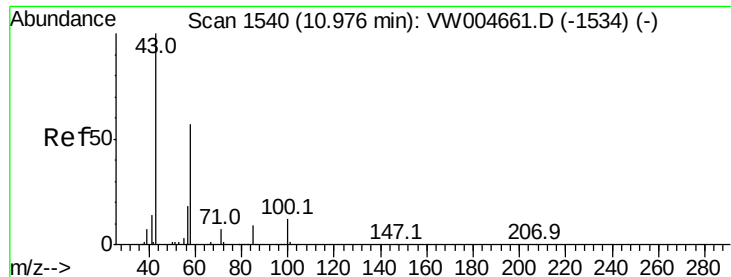
Tgt Ion:	97	Resp:	286600
Ion	Ratio	Lower	Upper
97	100		
83	84.6	60.6	112.6
85	54.3	37.9	70.5
99	61.7	43.8	81.4



#47
 Tetrachloroethene
 Concen: 22.765 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004664.D
 Acq: 14 Aug 2018 12:10

Tgt Ion:	164	Resp:	302187
Ion	Ratio	Lower	Upper
164	100		
129	94.0	65.0	120.6
131	89.7	62.2	115.4
166	128.9	88.9	165.1



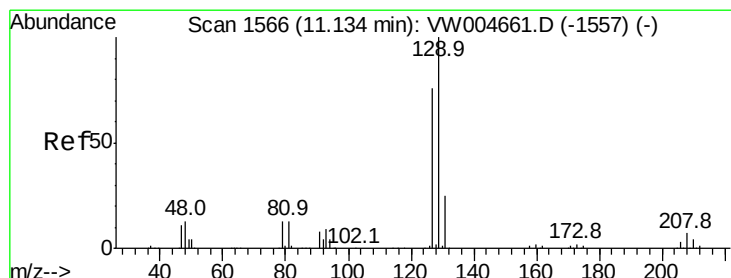
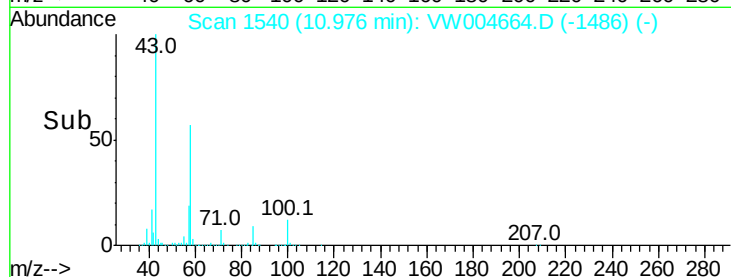
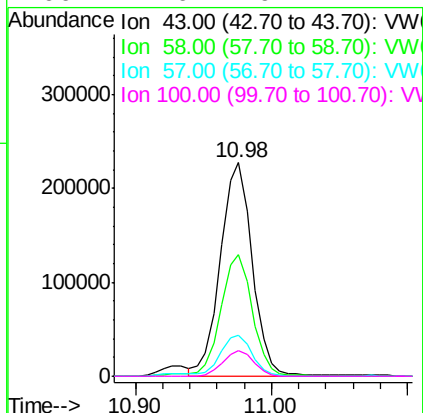
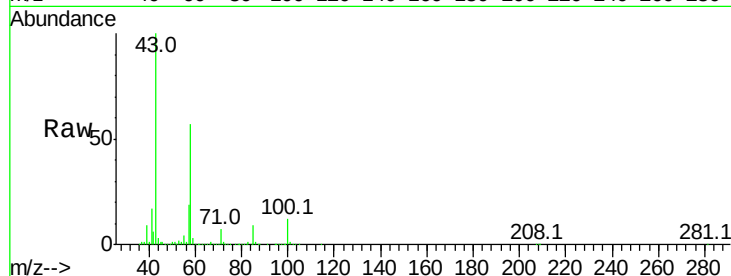


#49
2-Hexanone
Concen: 47.774 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004664.D
Acq: 14 Aug 2018 12:10

Instrument :
MSVOA_W
ClientSampleId :
VICV94

Tgt Ion: 43 Resp: 371661

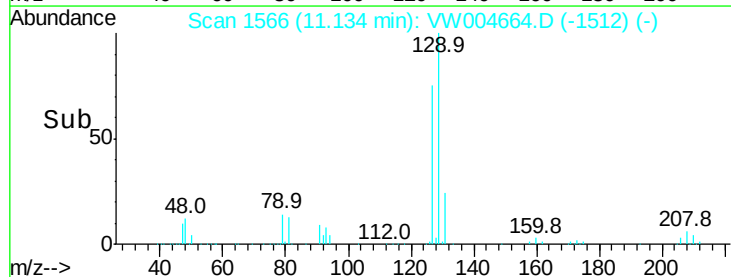
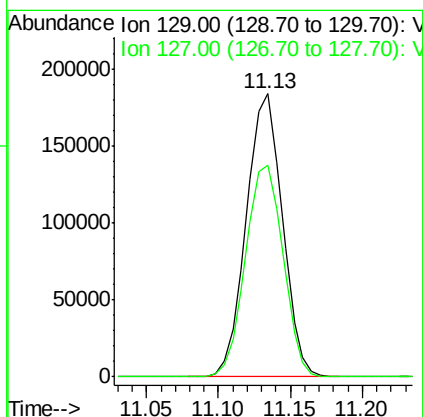
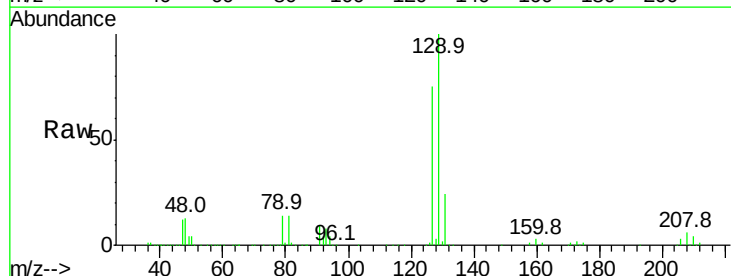
Ion	Ratio	Lower	Upper
43	100		
58	54.2	44.4	66.6
57	19.1	14.8	22.2
100	11.6	9.4	14.2

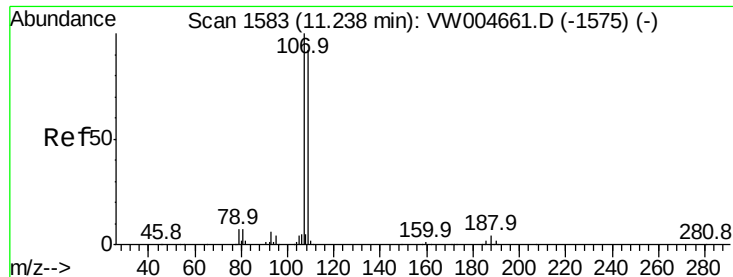


#50
Dibromochloromethane
Concen: 23.319 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004664.D
Acq: 14 Aug 2018 12:10

Tgt Ion: 129 Resp: 319823

Ion	Ratio	Lower	Upper
129	100		
127	74.9	53.3	98.9

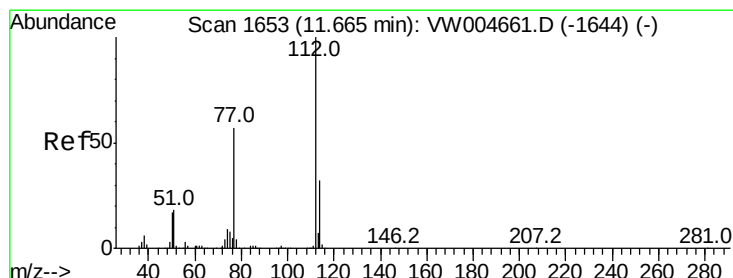
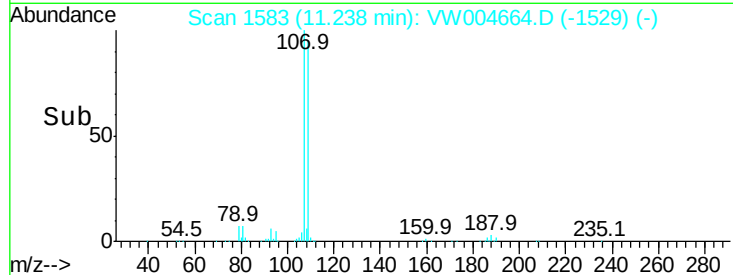
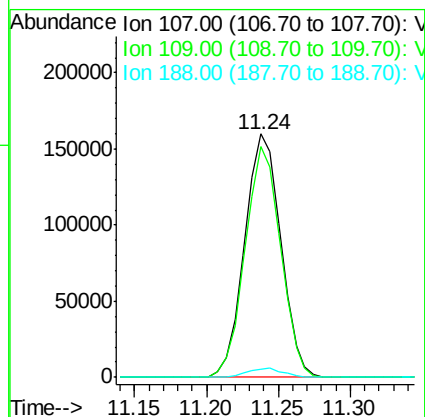
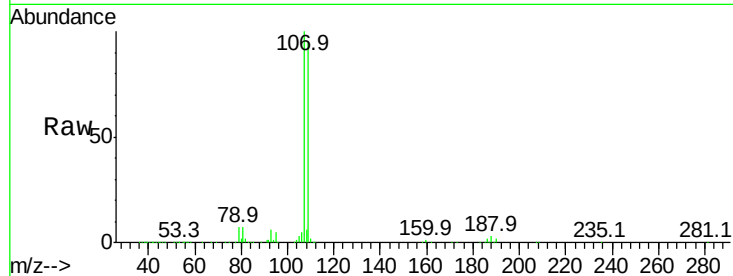




#51
1,2-Dibromoethane
Concen: 23.611 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW004664.D
Acq: 14 Aug 2018 12:10

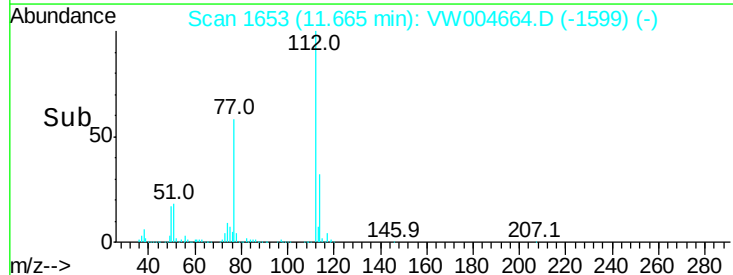
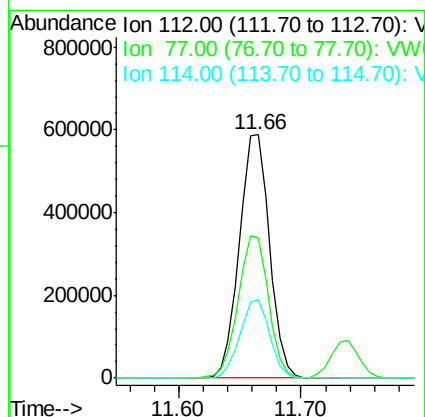
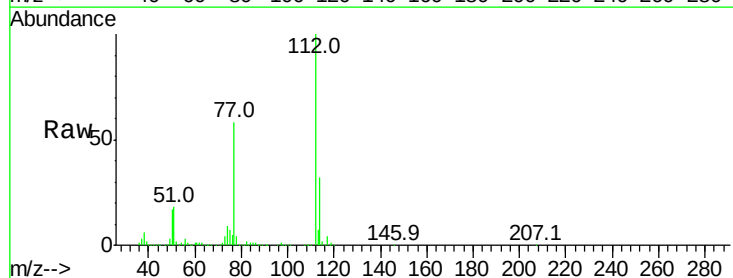
Instrument :
MSVOA_W
ClientSampleId :
VICV94

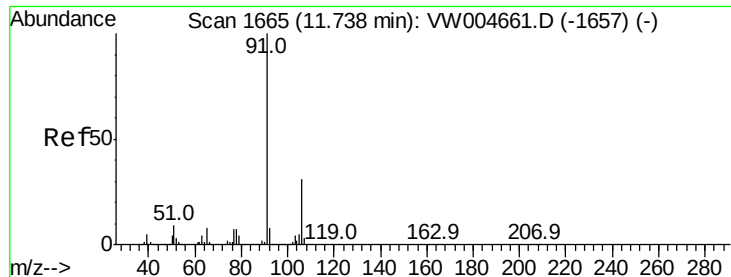
Tgt Ion:107 Resp: 277538
Ion Ratio Lower Upper
107 100
109 94.9 64.5 119.9
188 3.3 2.8 4.2



#52
Chlorobenzene
Concen: 23.370 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW004664.D
Acq: 14 Aug 2018 12:10

Tgt Ion:112 Resp: 1004543
Ion Ratio Lower Upper
112 100
77 57.7 46.0 69.0
114 32.2 22.3 41.5





#53

Ethylbenzene

Concen: 24.004 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

Instrument :

MSVOA_W

ClientSampleId :

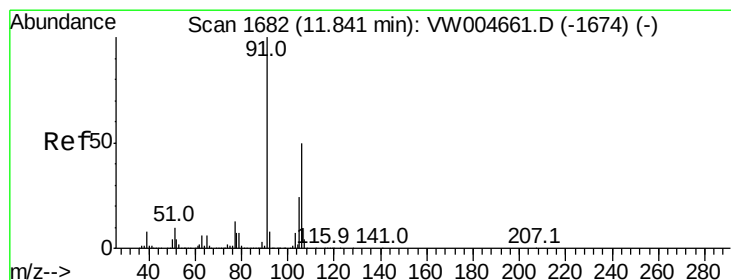
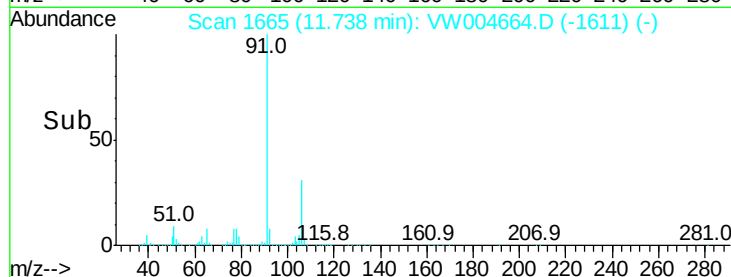
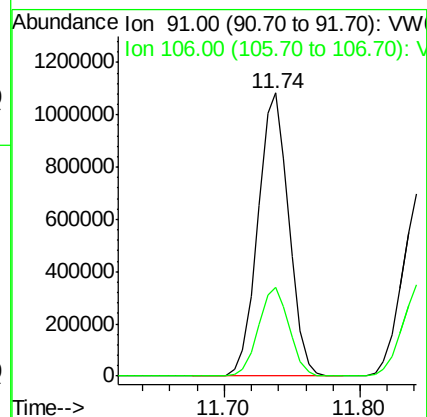
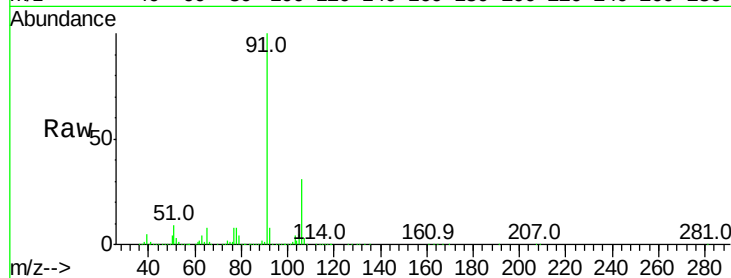
VICV94

Tgt Ion: 91 Resp: 1721386

Ion Ratio Lower Upper

91 100

106 31.2 22.0 40.8



#54

m,p-Xylene

Concen: 24.265 ug/L

RT: 11.84 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VW004664.D

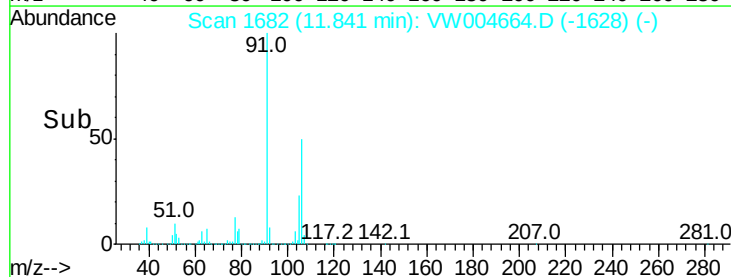
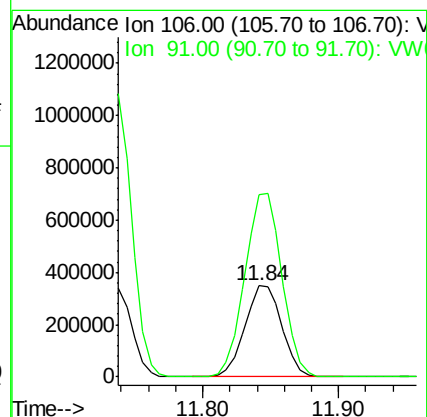
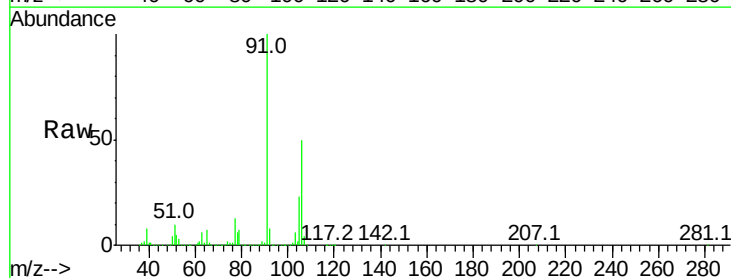
Acq: 14 Aug 2018 12:10

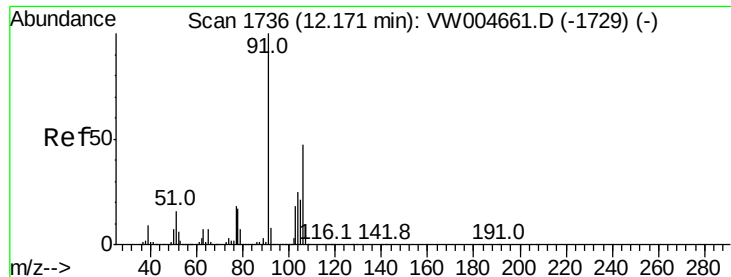
Tgt Ion: 106 Resp: 661274

Ion Ratio Lower Upper

106 100

91 200.2 139.2 258.4





#55

o-xylene

Concen: 24.576 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

Instrument :

MSVOA_W

ClientSampled :

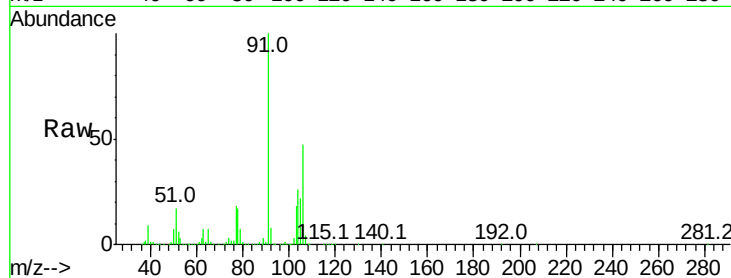
VICV94

Tgt Ion:106 Resp: 633018

Ion Ratio Lower Upper

106 100

91 212.9 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

1000000

800000

600000

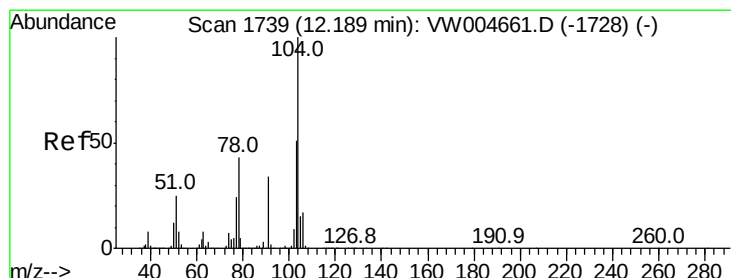
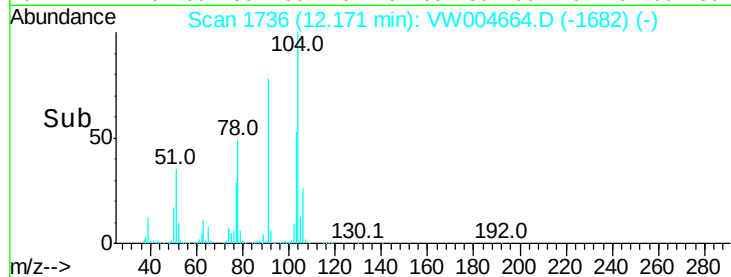
400000

200000

0

12.10 12.15 12.20 12.25

Time-->



#56

Styrene

Concen: 25.047 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004664.D

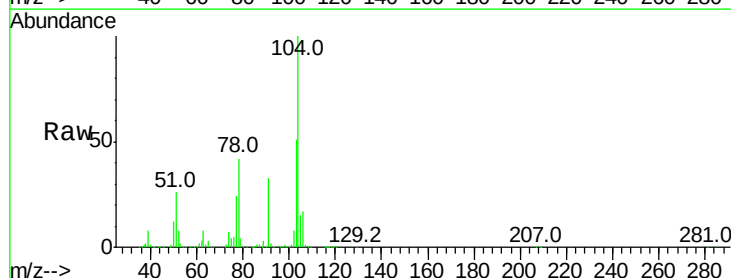
Acq: 14 Aug 2018 12:10

Tgt Ion:104 Resp: 1106574

Ion Ratio Lower Upper

104 100

78 42.1 29.9 55.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

800000

600000

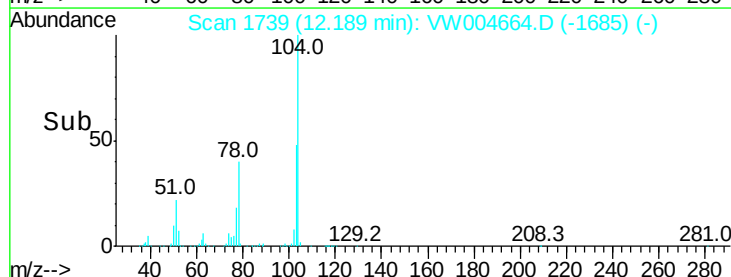
400000

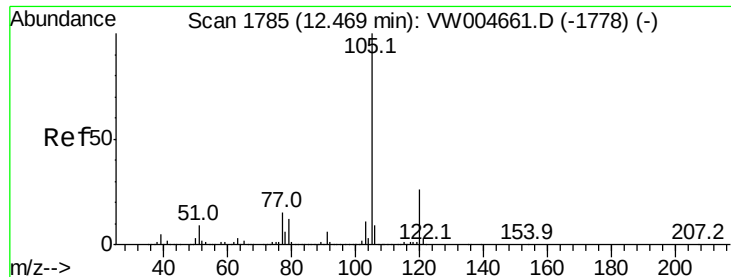
200000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 24.608 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

Instrument :

MSVOA_W

ClientSampled :

VICV94

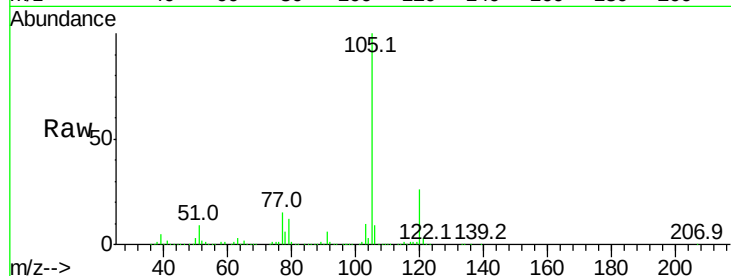
Tgt Ion:105 Resp: 1716602

Ion Ratio Lower Upper

105 100

120 26.2 21.2 31.8

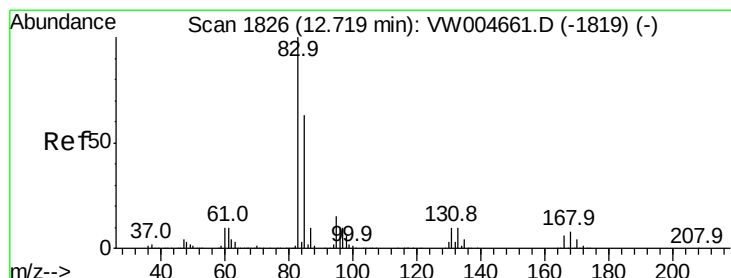
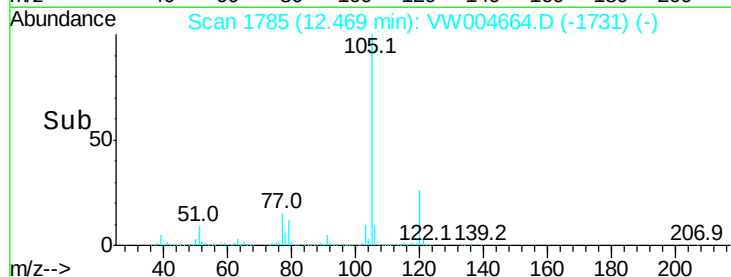
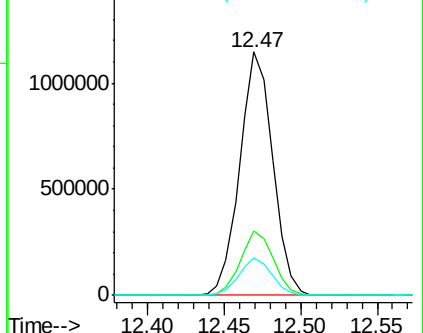
77 15.2 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 22.809 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

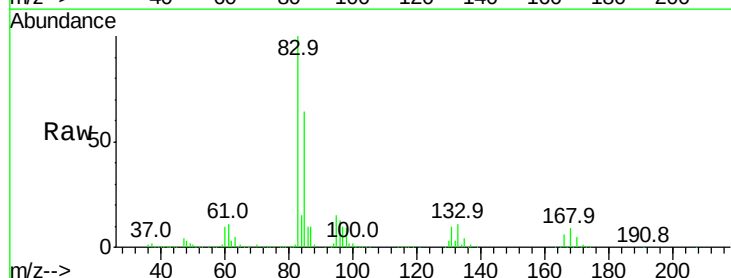
Tgt Ion: 83 Resp: 383512

Ion Ratio Lower Upper

83 100

85 64.2 44.4 82.5

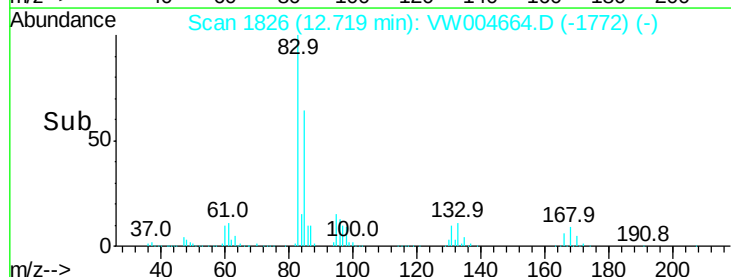
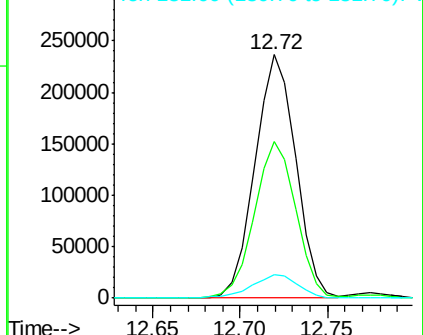
131 9.6 8.2 12.4

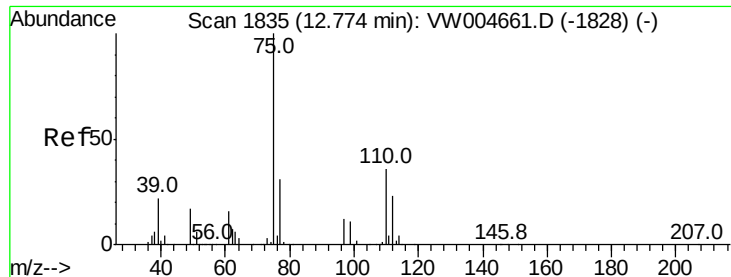


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.025 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

Instrument :

MSVOA_W

ClientSampleId :

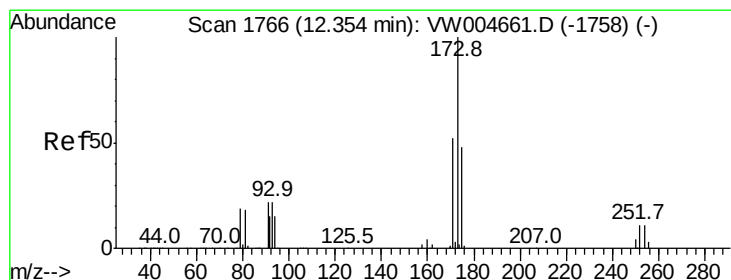
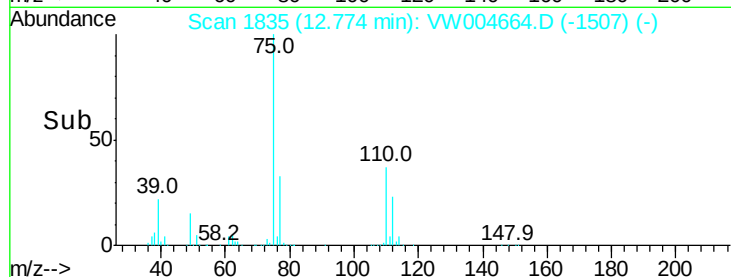
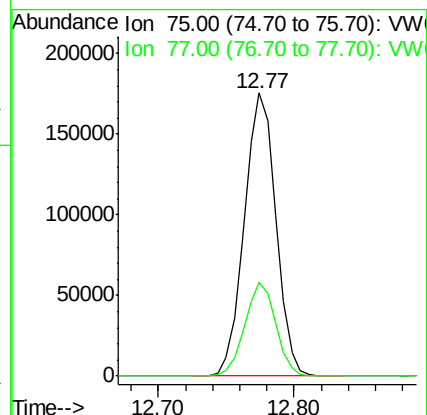
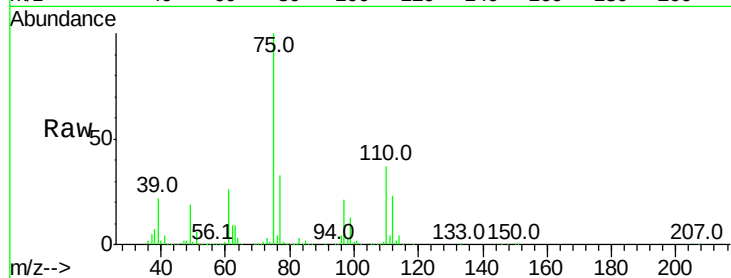
VICV94

Tgt Ion: 75 Resp: 285027

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.6



#62

Bromoform

Concen: 23.634 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

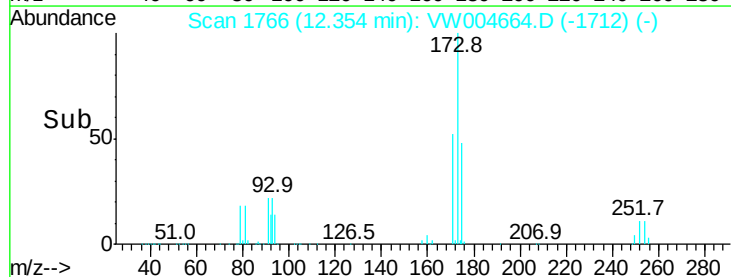
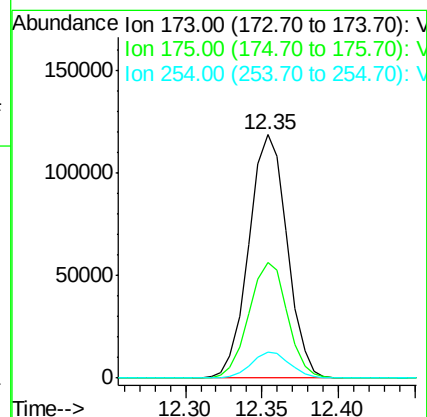
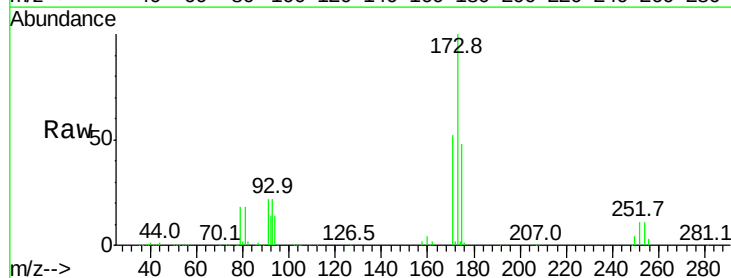
Tgt Ion: 173 Resp: 206402

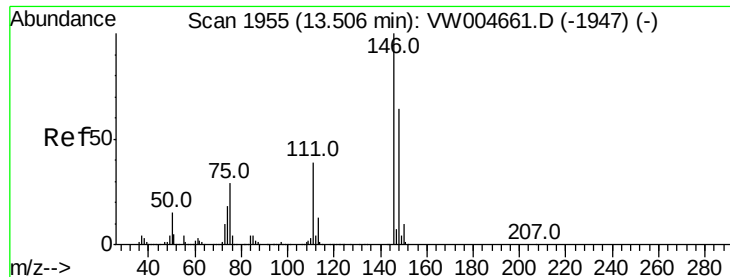
Ion Ratio Lower Upper

173 100

175 47.9 39.2 58.8

254 10.9 8.8 13.2





#63

1,3-Dichlorobenzene

Concen: 23.825 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

Instrument :

MSVOA_W

ClientSampled :

VICV94

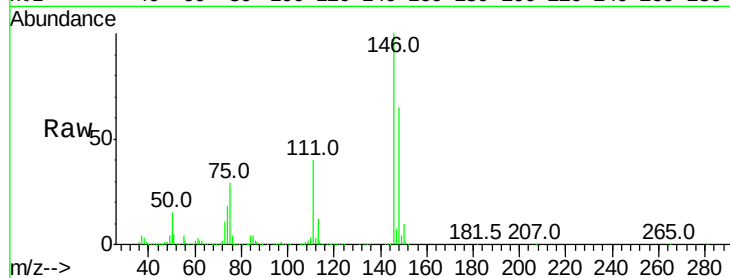
Tgt Ion:146 Resp: 776456

Ion Ratio Lower Upper

146 100

111 39.7 27.5 51.1

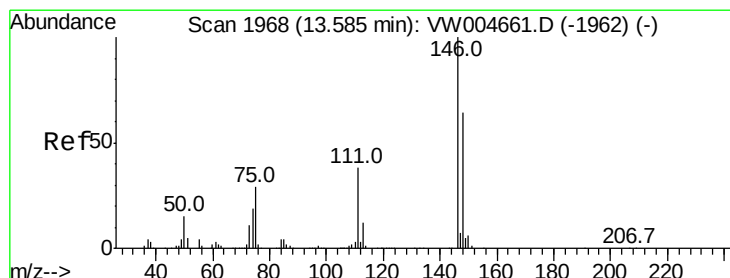
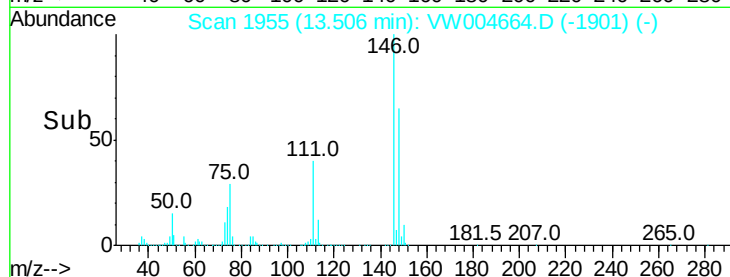
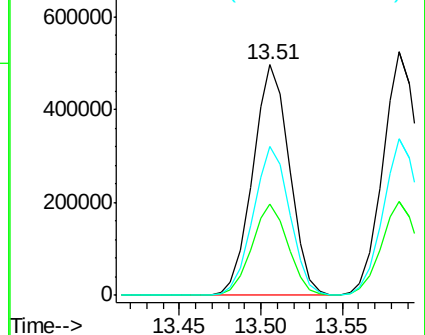
148 64.6 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 23.350 ug/L

RT: 13.59 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

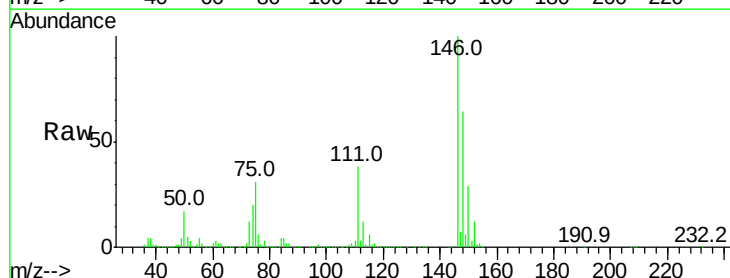
Tgt Ion:146 Resp: 812866

Ion Ratio Lower Upper

146 100

111 38.3 26.7 49.5

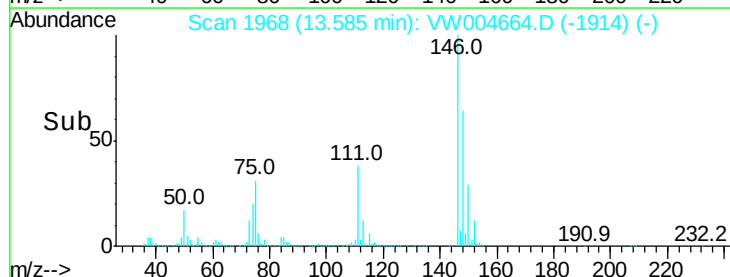
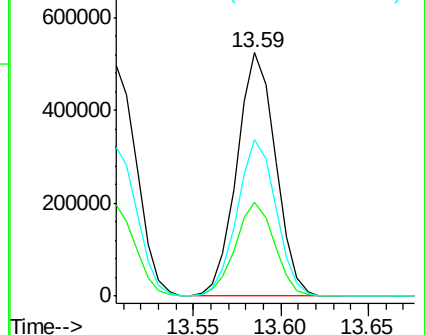
148 64.1 44.8 83.2

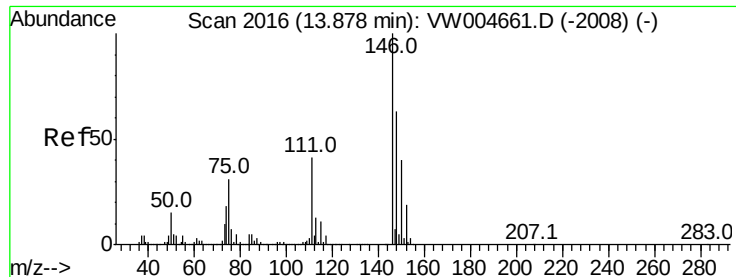


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

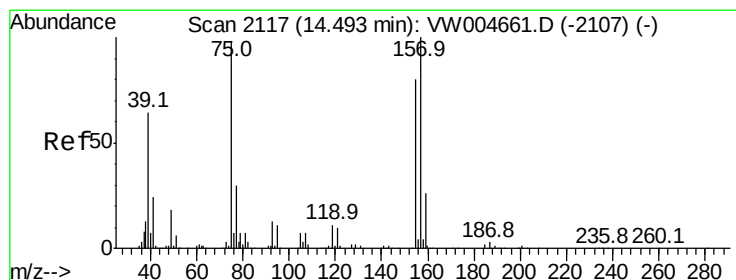
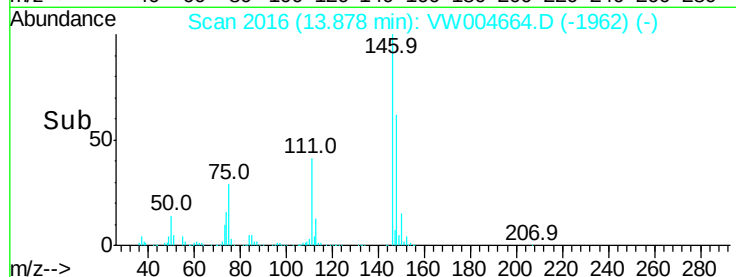
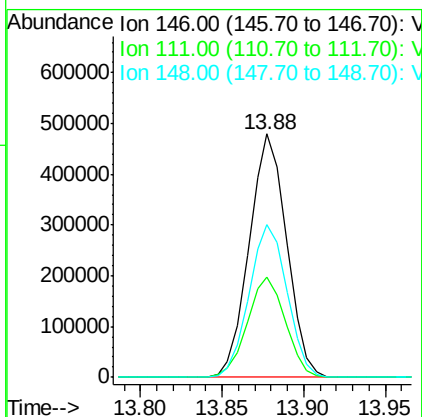
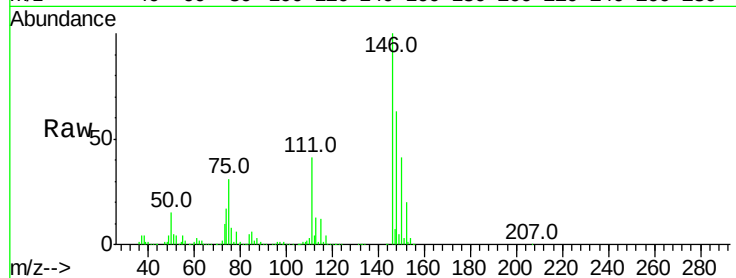




#65
 1,2-Dichlorobenzene
 Concen: 23.858 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004664.D
 Acq: 14 Aug 2018 12:10

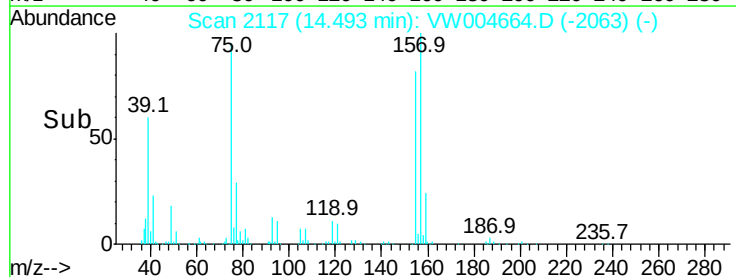
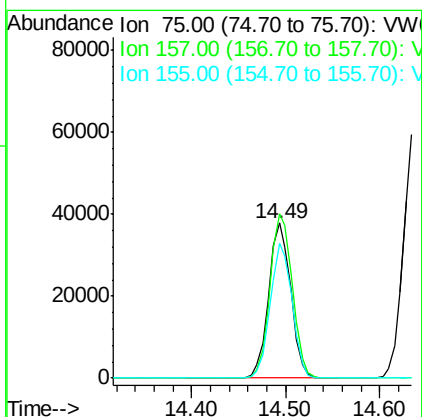
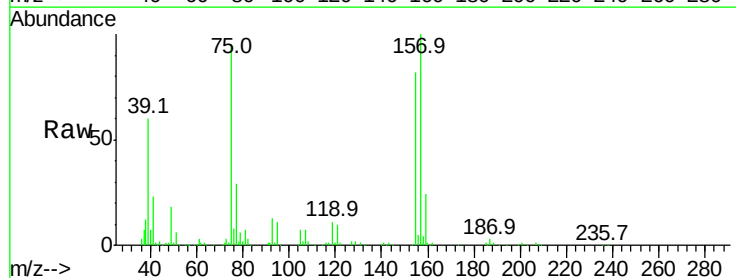
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV94

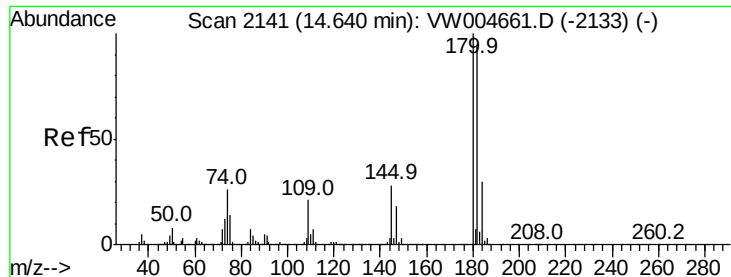
Tgt Ion:146 Resp: 766872
 Ion Ratio Lower Upper
 146 100
 111 41.0 32.9 49.3
 148 62.5 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.932 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004664.D
 Acq: 14 Aug 2018 12:10

Tgt Ion: 75 Resp: 62116
 Ion Ratio Lower Upper
 75 100
 157 105.5 81.8 122.8
 155 86.5 65.4 98.0

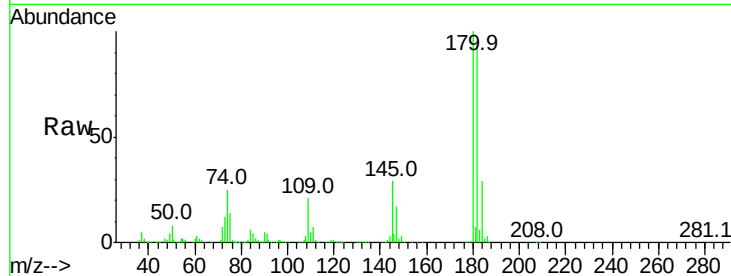




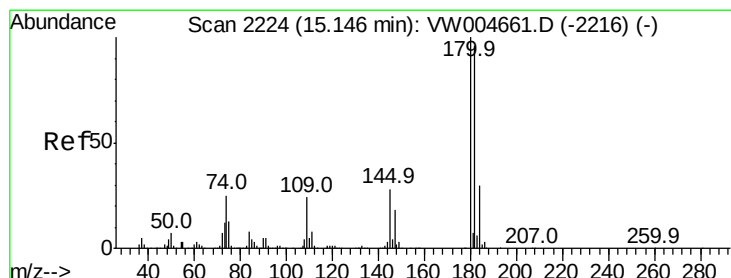
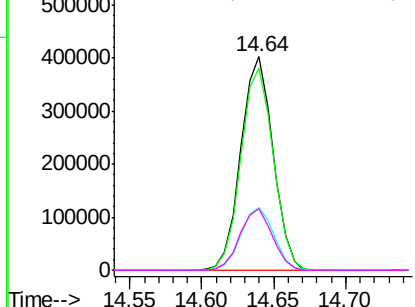
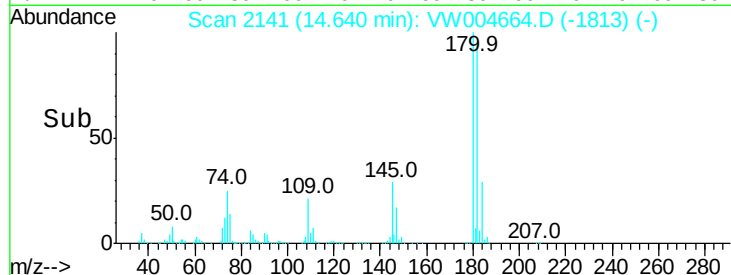
#67
 1,3,5-Trichlorobenzene
 Concen: 23.736 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004664.D
 Acq: 14 Aug 2018 12:10

Instrument :
 MSVOA_W
 ClientSampled :
 VICV94

Tgt Ion:180 Resp: 622270
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.1 114.1
 184 29.9 24.2 36.4
 145 28.7 22.6 34.0

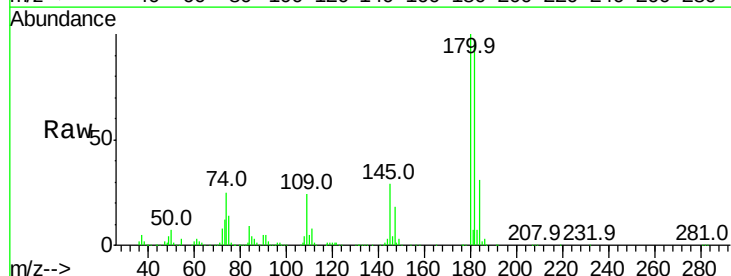


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

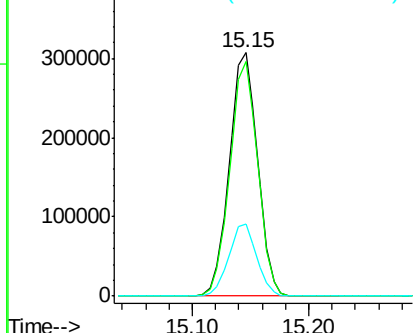
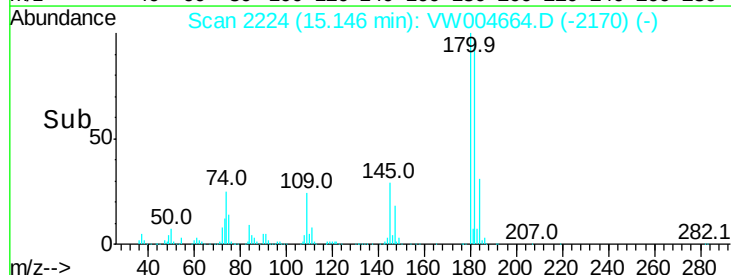


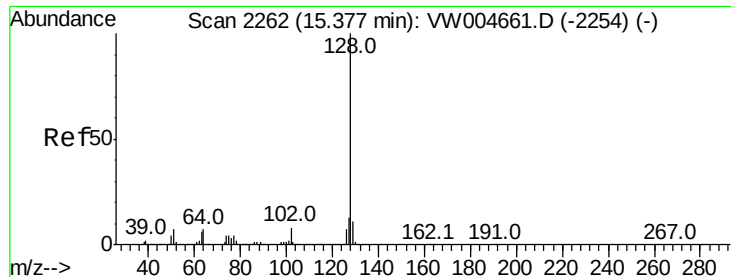
#68
 1,2,4-trichlorobenzene
 Concen: 24.430 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004664.D
 Acq: 14 Aug 2018 12:10

Tgt Ion:180 Resp: 518864
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.7 115.1
 145 29.4 23.4 35.2



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





#69

Naphthalene

Concen: 25.533 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

Instrument :

MSVOA_W

ClientSampled :

VICV94

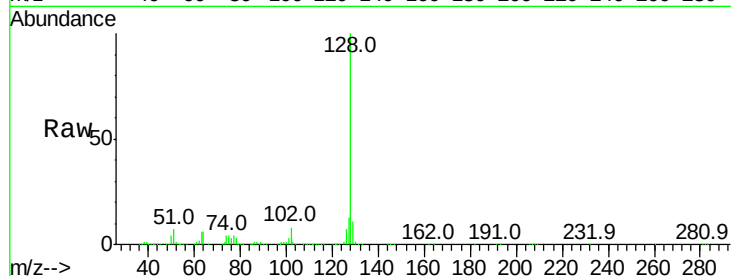
Tgt Ion:128 Resp: 1116154

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

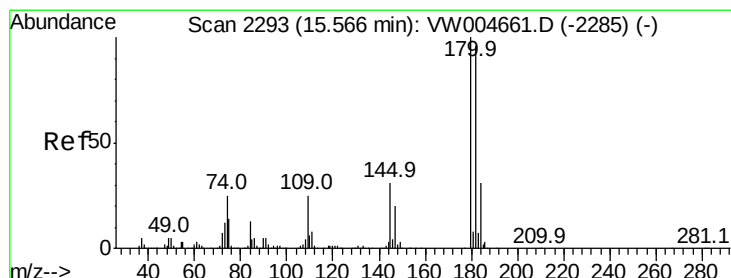
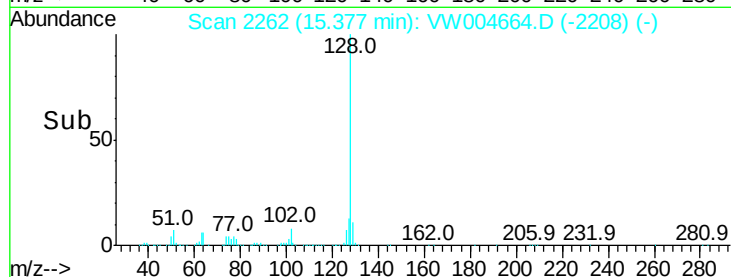
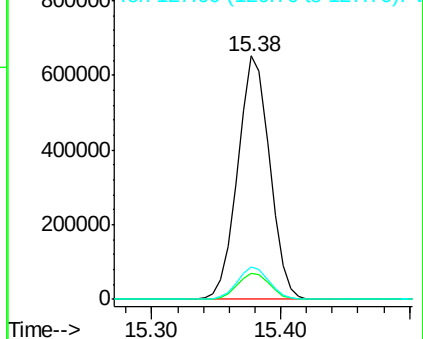
127 13.2 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.115 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004664.D

Acq: 14 Aug 2018 12:10

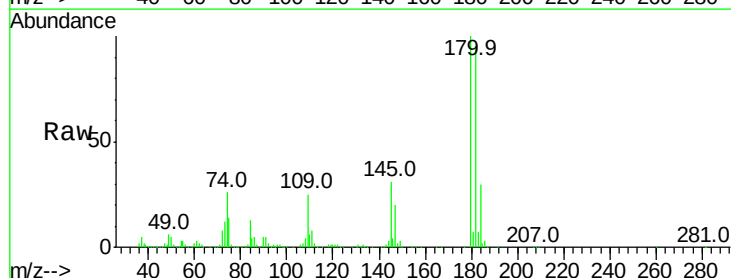
Tgt Ion:180 Resp: 509138

Ion Ratio Lower Upper

180 100

182 94.5 75.8 113.8

145 31.6 24.4 36.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

