

Data File : VW004362.D
Acq On : 31 Jul 2018 17:03
Operator : SY/AP
Sample : VSTD10081
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10081

Quant Time: Jul 31 17:33:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 31 16:55:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	371086	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	329875	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	180594	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	295472	79.09	ug/L	0.00
7) Chloroethane-d5	2.89	69	234611	86.35	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	843439	94.58	ug/L	0.00
20) 2-Butanone-d5	7.09	46	411043	194.35	ug/L	0.00
24) Chloroform-d	7.65	84	872313	91.81	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	495531	86.71	ug/L	0.00
29) Benzene-d6	8.27	84	1750743	100.14	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	545750	93.85	ug/L	0.00
37) Toluene-d8	10.33	98	1647022	99.67	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	264935	100.38	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	338304	221.39	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	571196	96.19	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	648519	96.06	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	310998	125.988	ug/L	98
3) Chloromethane	2.22	50	237909	68.273	ug/L	96
5) Vinyl chloride	2.37	62	417438	89.777	ug/L	98
6) Bromomethane	2.78	94	243202	93.362	ug/L	98
8) Chloroethane	2.92	64	237142	94.906	ug/L	98
9) Trichlorofluoromethane	3.25	101	341204	151.627	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	483253	108.994	ug/L	97
12) 1,1-Dichloroethene	4.03	96	471658	109.905	ug/L	96
13) Acetone	4.13	43	292565	137.000	ug/L	99
14) Carbon disulfide	4.37	76	1463848	105.943	ug/L	99
15) Methyl Acetate	4.67	43	343318	96.647	ug/L	95
16) Methylene chloride	4.91	84	475226	91.341	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	726761	85.306	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	495444	109.613	ug/L	96
19) 1,1-Dichloroethane	6.21	63	865424	98.292	ug/L	98
21) 2-Butanone	7.18	43	461220	171.345	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	551635	109.781	ug/L	98
23) Bromochloromethane	7.51	128	249668	104.956	ug/L	85
25) Chloroform	7.68	83	890967	98.689	ug/L	100
27) 1,2-Dichloroethane	8.40	62	599418	90.267	ug/L	99
30) Cyclohexane	7.96	56	888301	121.694	ug/L	94
31) 1,1,1-Trichloroethane	7.87	97	724237	108.791	ug/L	98
32) Carbon tetrachloride	8.07	117	730844	112.873	ug/L	99
34) Benzene	8.32	78	1988901	104.875	ug/L	100
35) Trichloroethene	9.09	95	522902	104.811	ug/L	99
36) Methylcyclohexane	9.34	83	988777	118.591	ug/L	97
40) 1,2-Dichloropropane	9.37	63	502839	97.654	ug/L	100
41) Bromodichloromethane	9.65	83	650210	102.262	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	812255	108.446	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	924724	201.595	ug/L	98

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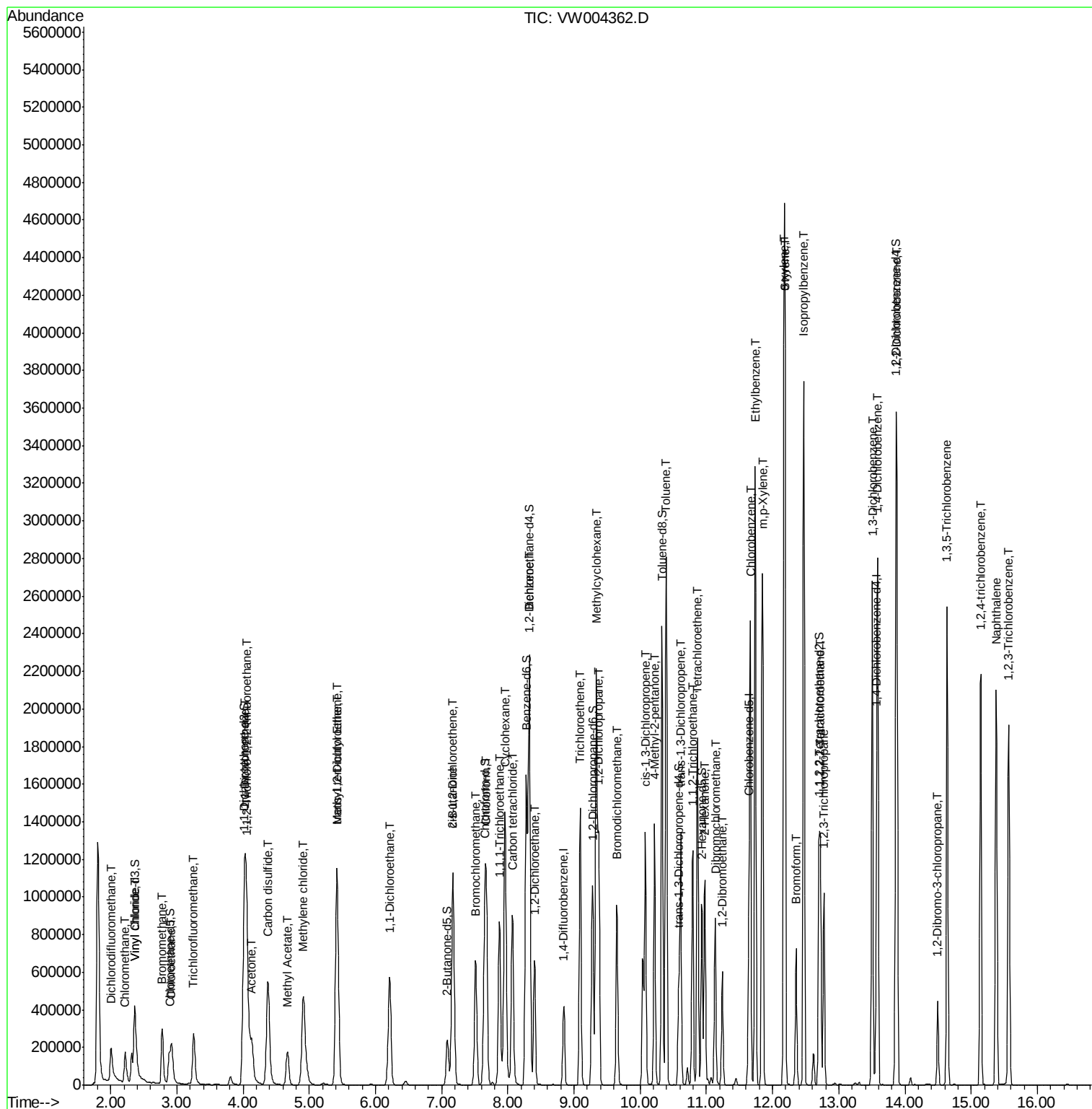
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2092869	104.415	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	724039	105.411	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	400514	100.184	ug/L	97
47) Tetrachloroethene	10.87	164	438271	109.819	ug/L	98
49) 2-Hexanone	10.98	43	680081	189.224	ug/L	99
50) Dibromochloromethane	11.13	129	492654	108.048	ug/L	99
51) 1,2-Dibromoethane	11.24	107	409696	105.107	ug/L	99
52) Chlorobenzene	11.66	112	1358205	106.322	ug/L	96
53) Ethylbenzene	11.74	91	2346681	108.501	ug/L	94
54) m,p-Xylene	11.85	106	921195	113.243	ug/L	100
55) o-xylene	12.17	106	870427	114.322	ug/L	97
56) Styrene	12.19	104	1525696	115.614	ug/L	98
57) Isopropylbenzene	12.47	105	2470145	119.418	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	577326	101.300	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	442658	101.028	ug/L	99
62) Bromoform	12.35	173	348341	107.437	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	1126309	105.996	ug/L	94
64) 1,4-Dichlorobenzene	13.59	146	1119498	99.777	ug/L	94
65) 1,2-Dichlorobenzene	13.88	146	1046717	101.109	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	113598	97.708	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	826590	100.564	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	734164	109.520	ug/L	98
69) Naphthalene	15.38	128	1811121	117.583	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	693895	107.000	ug/L	99

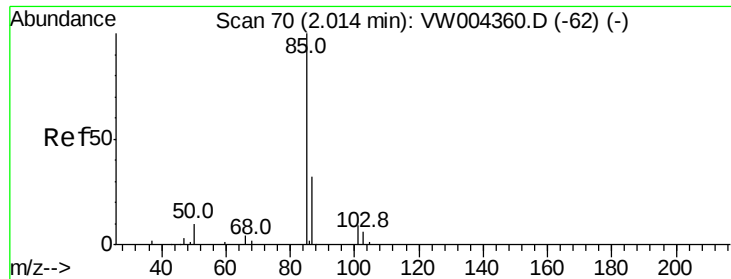
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 125.988 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.01 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

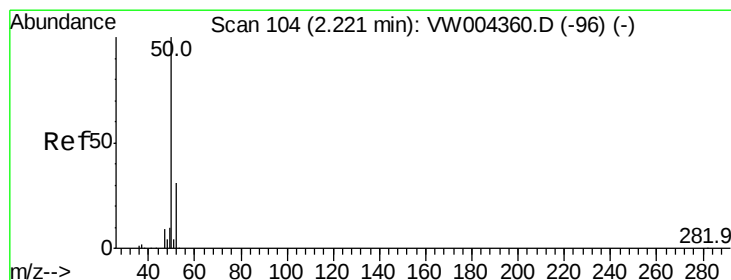
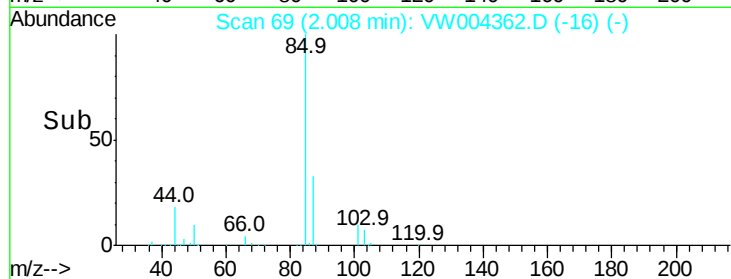
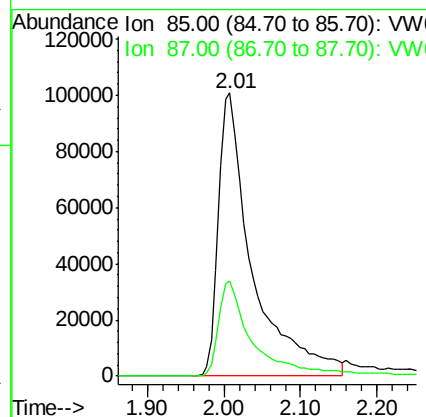
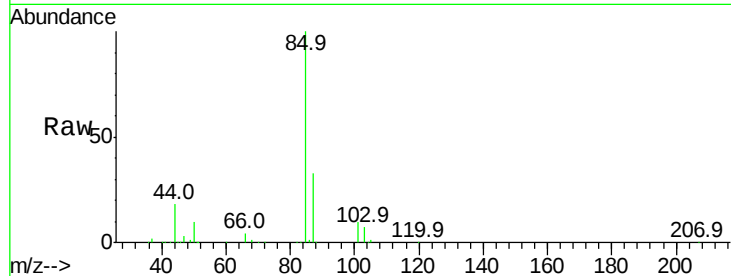
VSTD10081

Tgt Ion: 85 Resp: 310998

Ion Ratio Lower Upper

85 100

87 32.9 22.1 41.1



#3

Chloromethane

Concen: 68.273 ug/L

RT: 2.22 min Scan# 103

Delta R.T. -0.01 min

Lab File: VW004362.D

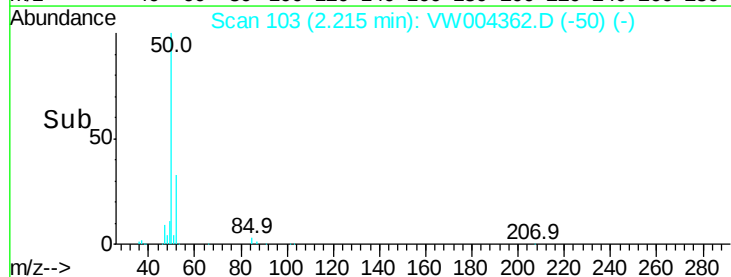
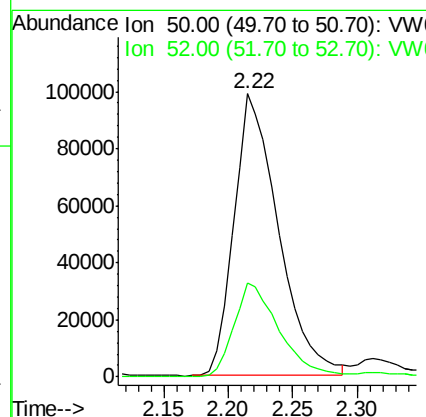
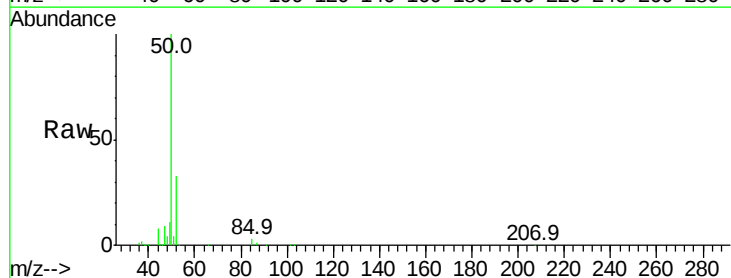
Acq: 31 Jul 2018 17:03

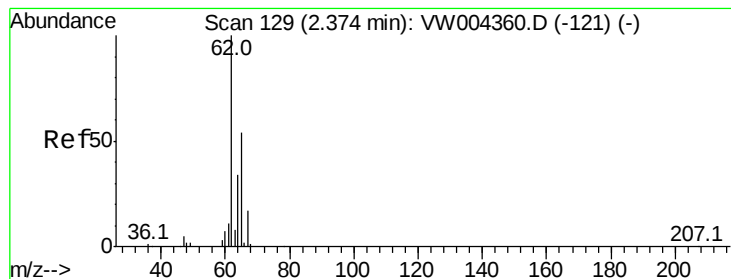
Tgt Ion: 50 Resp: 237909

Ion Ratio Lower Upper

50 100

52 33.2 21.6 40.0





#5

Vinyl chloride

Concen: 89.777 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.01 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

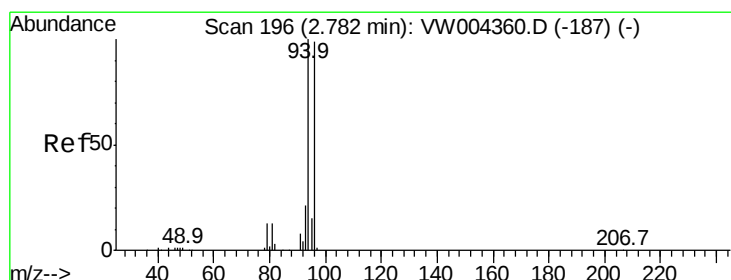
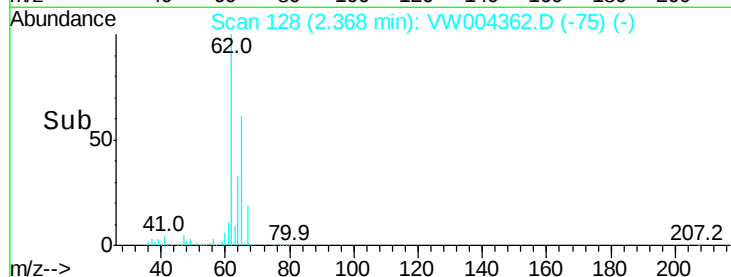
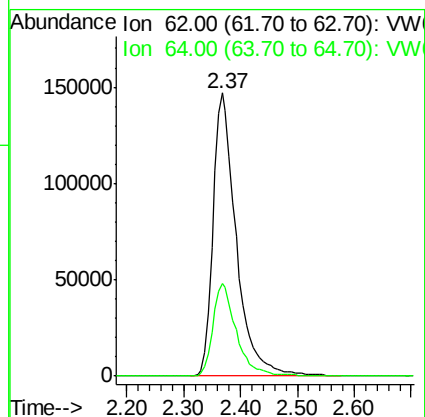
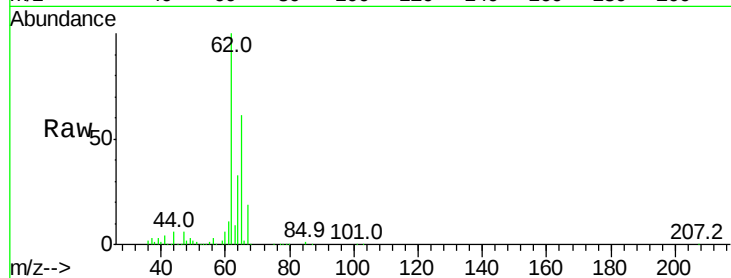
VSTD10081

Tgt Ion: 62 Resp: 417438

Ion Ratio Lower Upper

62 100

64 33.0 23.9 44.5



#6

Bromomethane

Concen: 93.362 ug/L

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VW004362.D

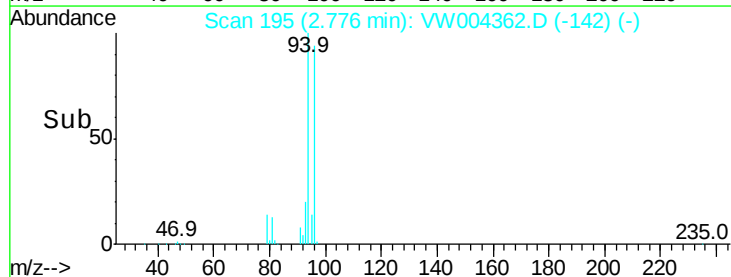
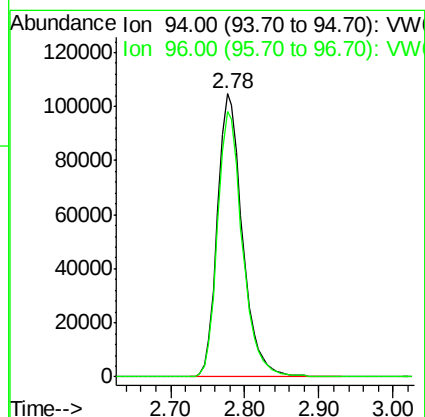
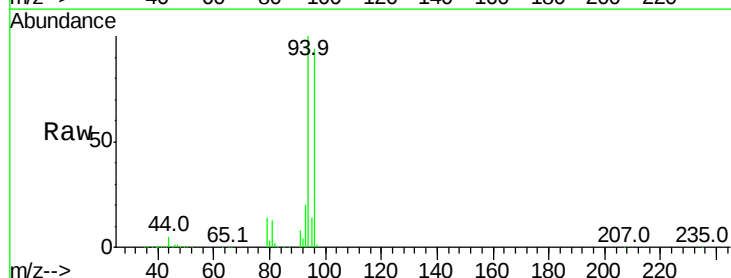
Acq: 31 Jul 2018 17:03

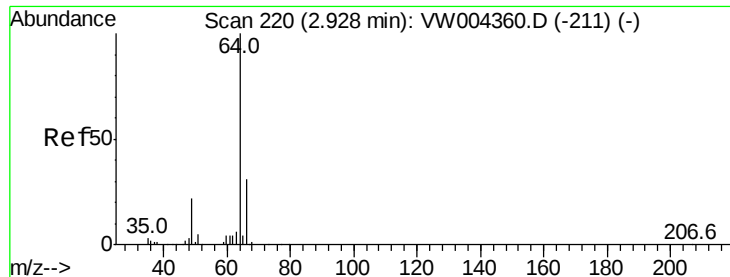
Tgt Ion: 94 Resp: 243202

Ion Ratio Lower Upper

94 100

96 93.4 9.5 181.1





#8

Chloroethane

Concen: 94.906 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

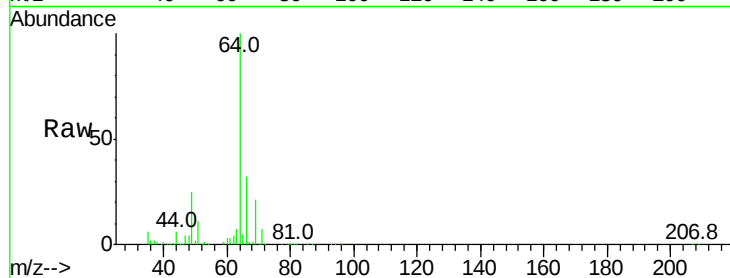
VSTD10081

Tgt Ion: 64 Resp: 237142

Ion Ratio Lower Upper

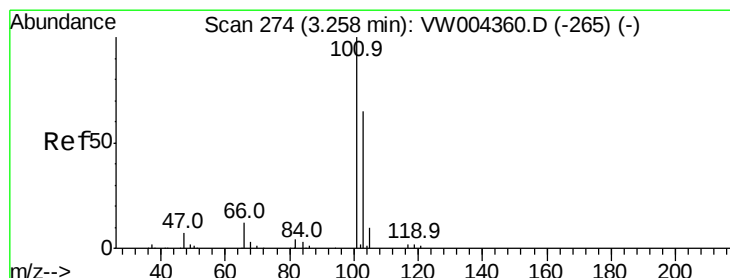
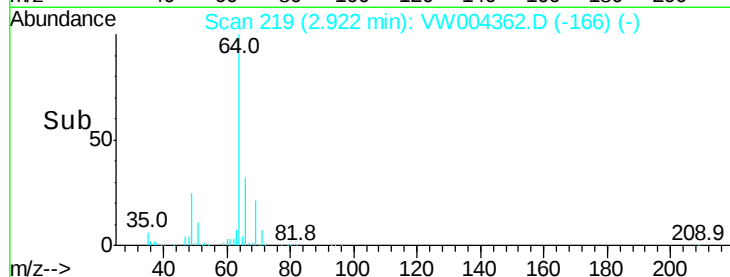
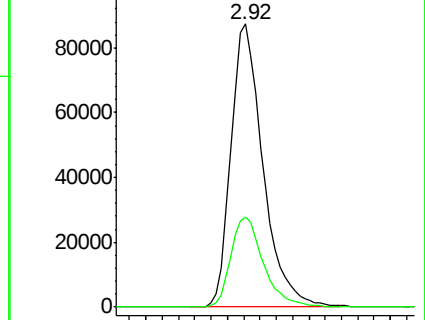
64 100

66 31.9 21.5 39.9



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 151.627 ug/L

RT: 3.25 min Scan# 273

Delta R.T. -0.01 min

Lab File: VW004362.D

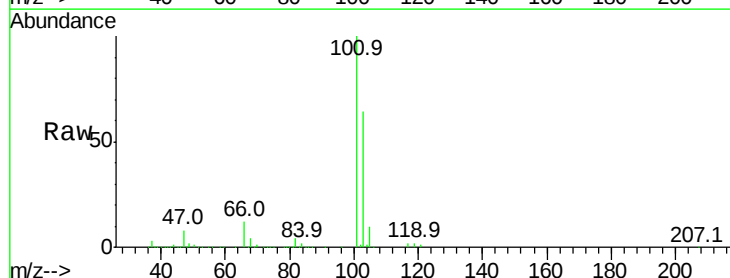
Acq: 31 Jul 2018 17:03

Tgt Ion: 101 Resp: 341204

Ion Ratio Lower Upper

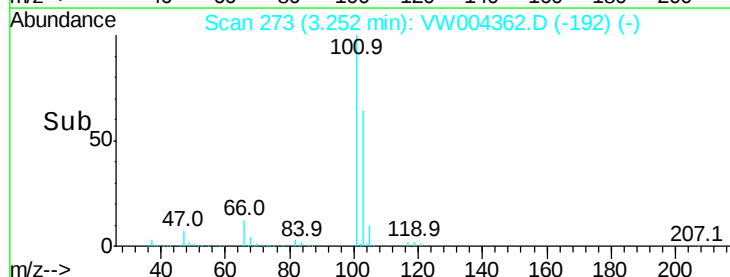
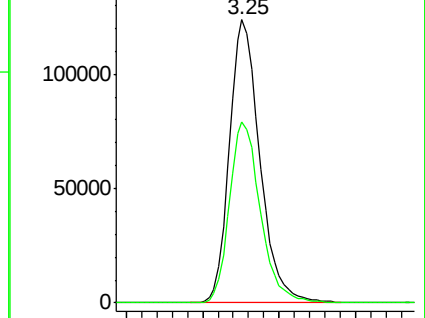
101 100

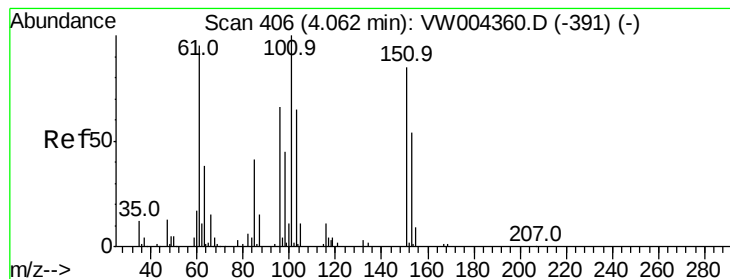
103 64.7 45.3 84.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 108.994 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

Instrument :

MSVOA_W

ClientSampled :

VSTD10081

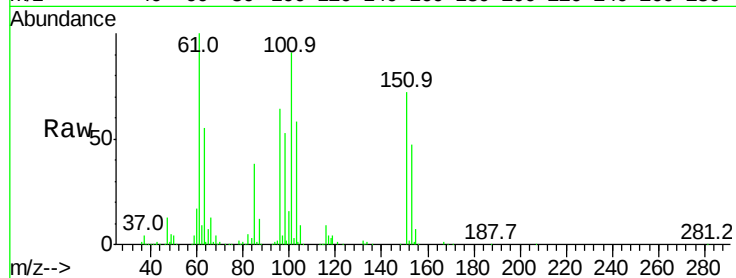
Tgt Ion:101 Resp: 483253

Ion Ratio Lower Upper

101 100

85 41.3 32.4 48.6

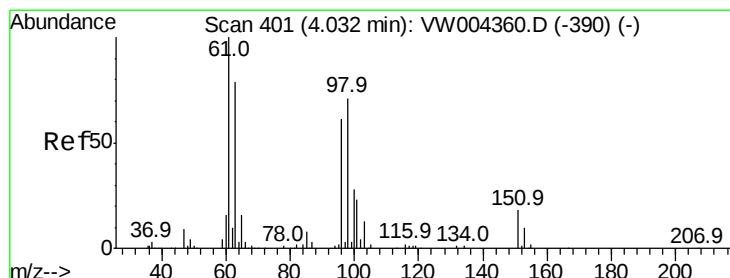
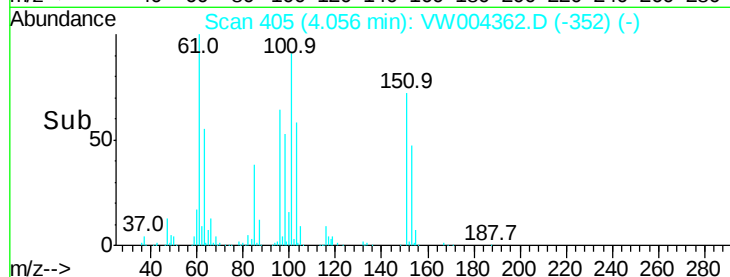
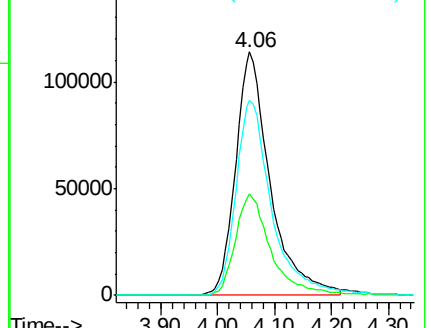
151 82.9 69.2 103.8



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: 109.905 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

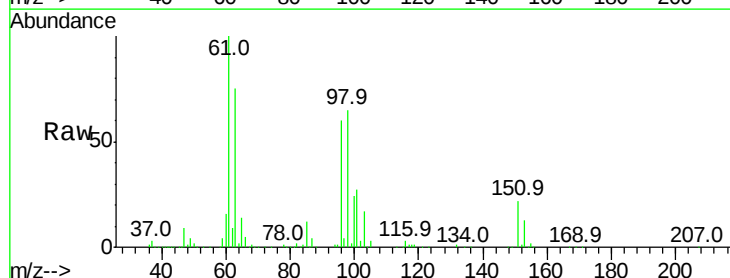
Tgt Ion: 96 Resp: 471658

Ion Ratio Lower Upper

96 100

61 165.9 115.4 214.4

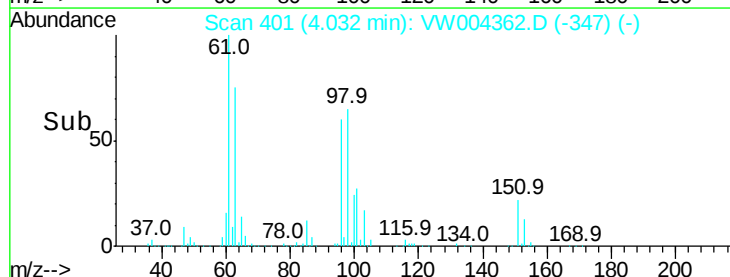
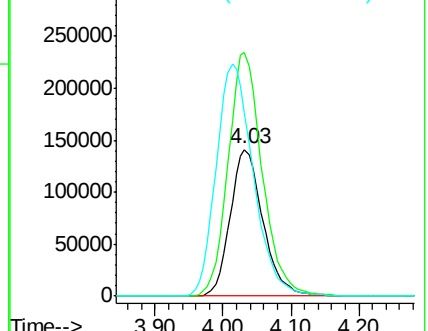
63 125.2 94.4 175.2

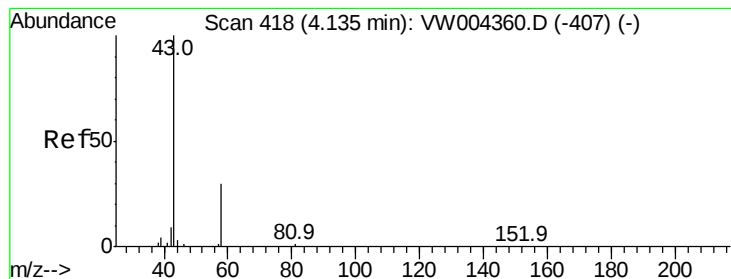


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 137.000 ug/L

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

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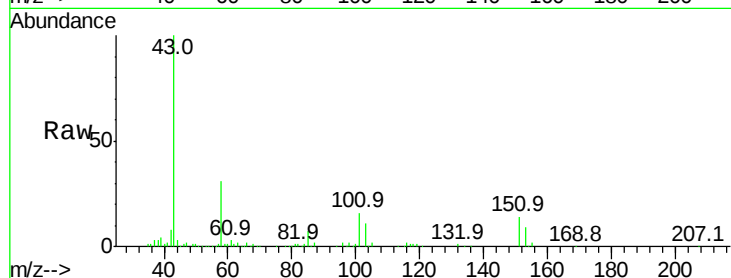
VSTD10081

Tgt Ion: 43 Resp: 292565

Ion Ratio Lower Upper

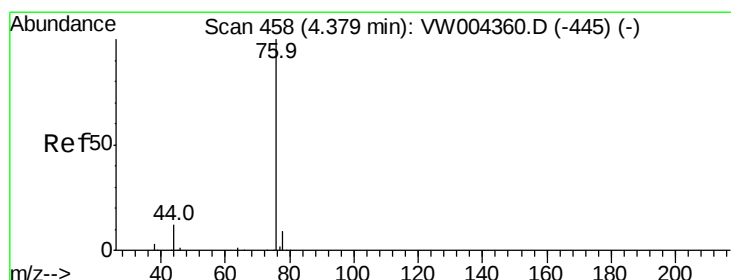
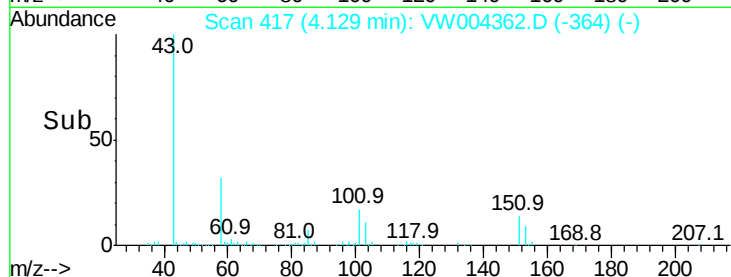
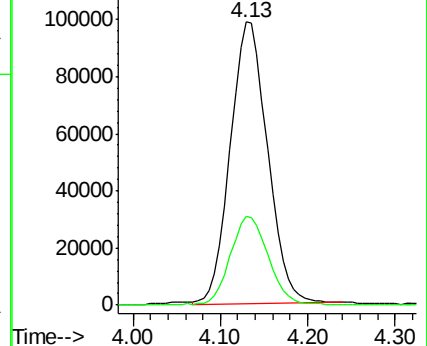
43 100

58 32.0 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 105.943 ug/L

RT: 4.37 min Scan# 457

Delta R.T. -0.01 min

Lab File: VW004362.D

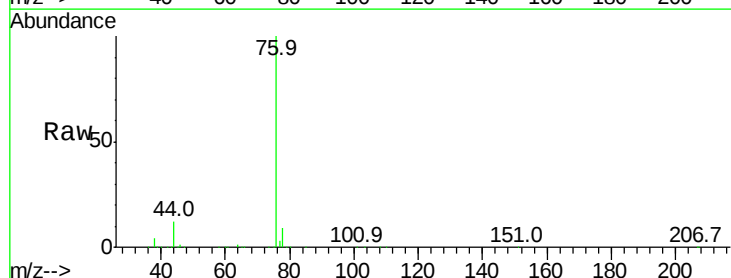
Acq: 31 Jul 2018 17:03

Tgt Ion: 76 Resp: 1463848

Ion Ratio Lower Upper

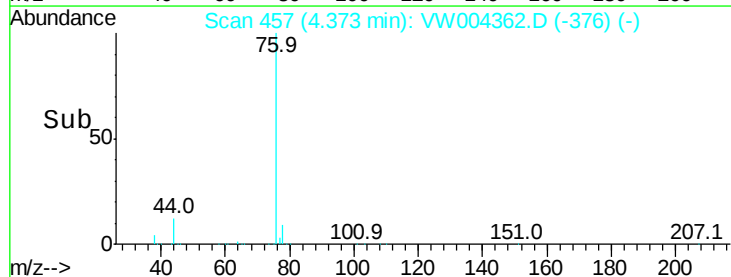
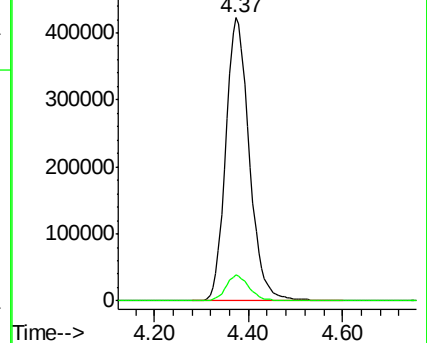
76 100

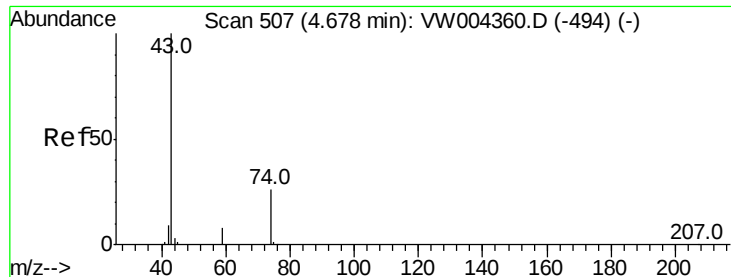
78 9.0 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

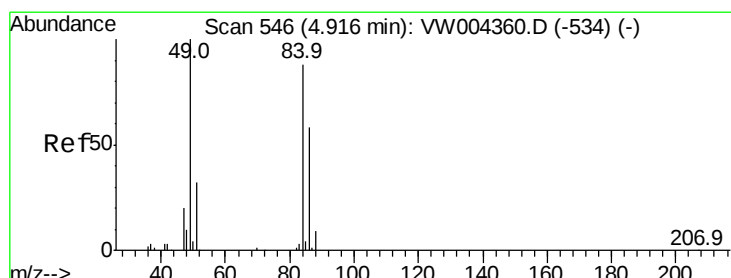
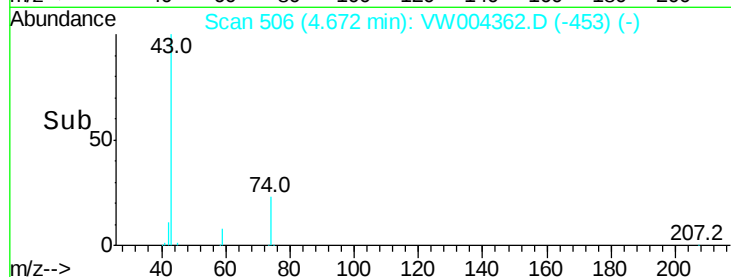
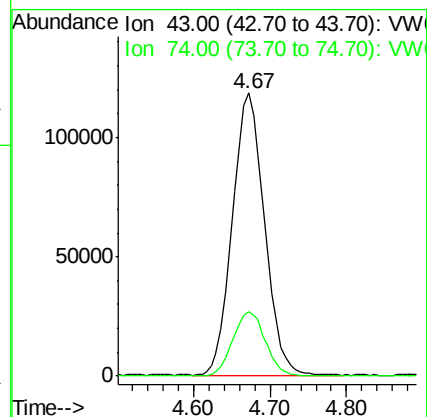
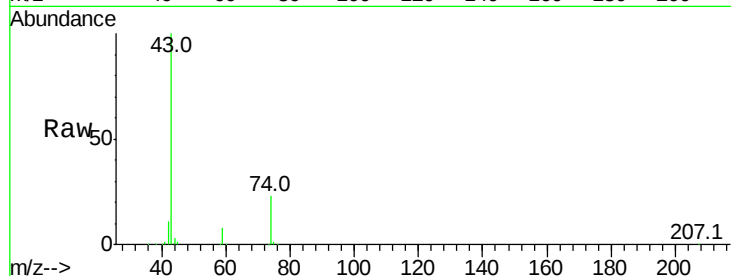




#15
Methyl Acetate
Concen: 96.647 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW004362.D
Acq: 31 Jul 2018 17:03

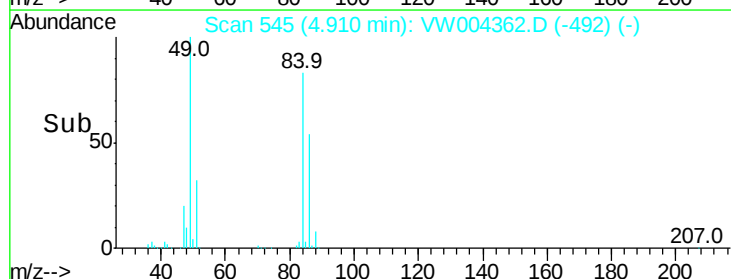
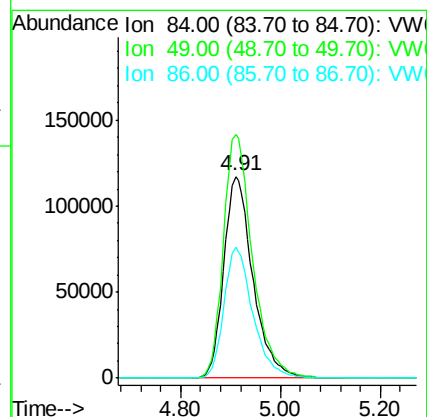
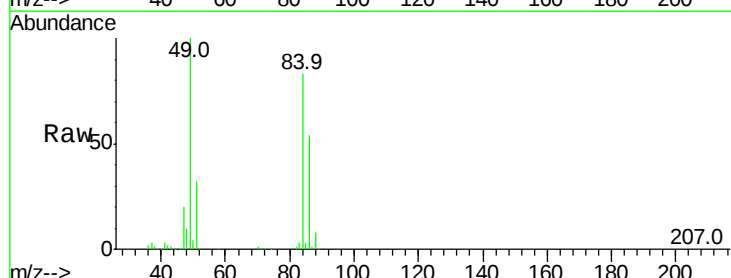
Instrument :
MSVOA_W
ClientSampleId :
VSTD10081

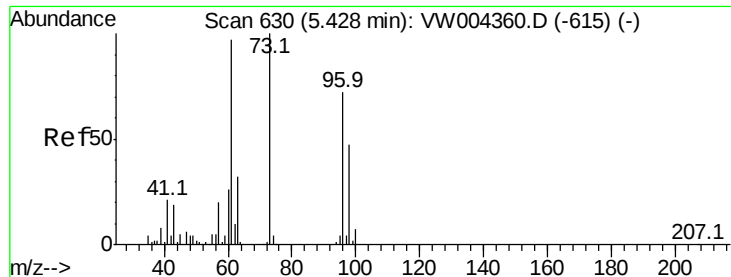
Tgt Ion: 43 Resp: 343318
Ion Ratio Lower Upper
43 100
74 23.2 20.6 31.0



#16
Methylene chloride
Concen: 91.341 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004362.D
Acq: 31 Jul 2018 17:03

Tgt Ion: 84 Resp: 475226
Ion Ratio Lower Upper
84 100
49 120.8 79.5 147.7
86 64.8 45.8 85.2

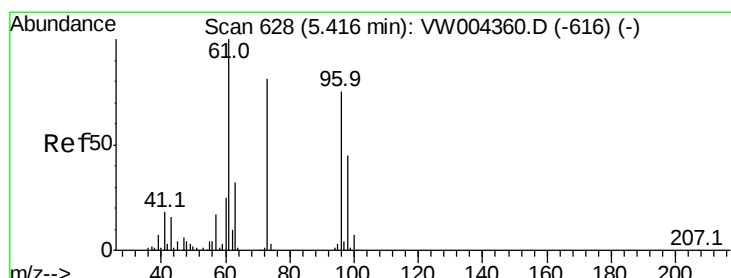
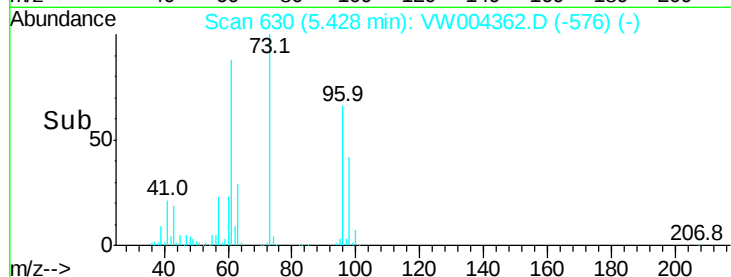
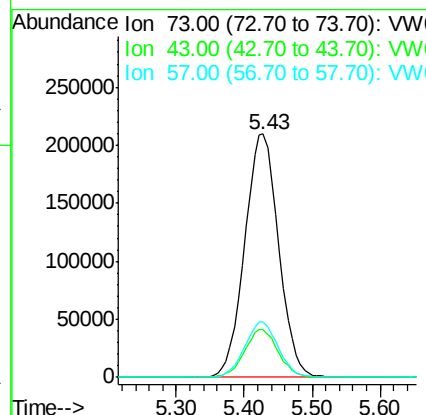
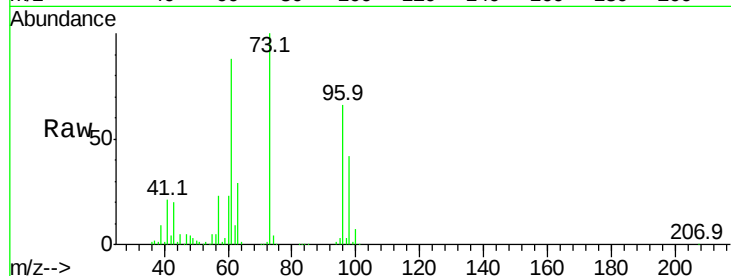




#17
Methyl tert-butyl Ether
Concen: 85.306 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004362.D
Acq: 31 Jul 2018 17:03

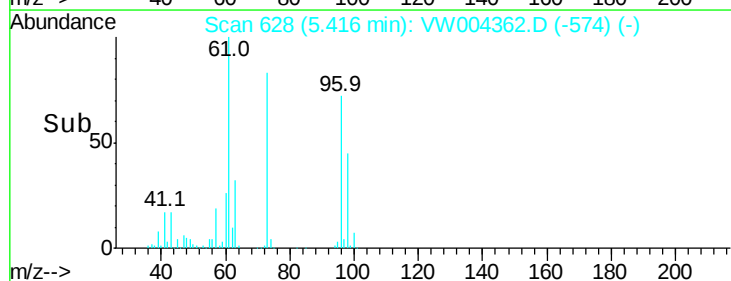
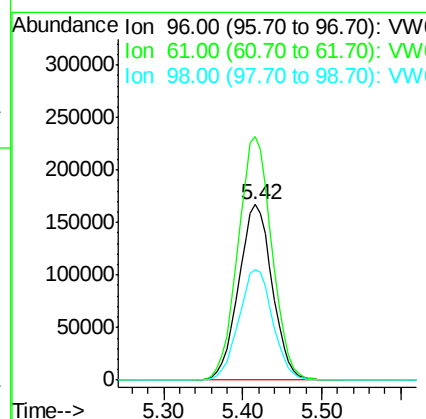
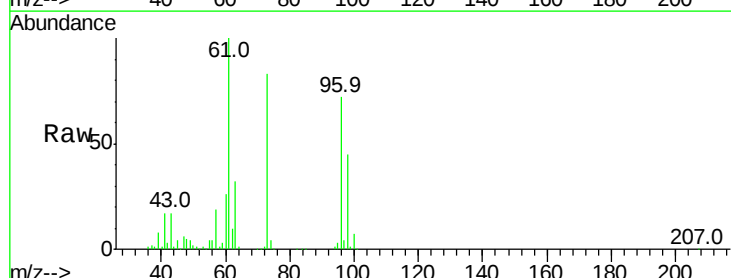
Instrument :
MSVOA_W
ClientSampled :
VSTD10081

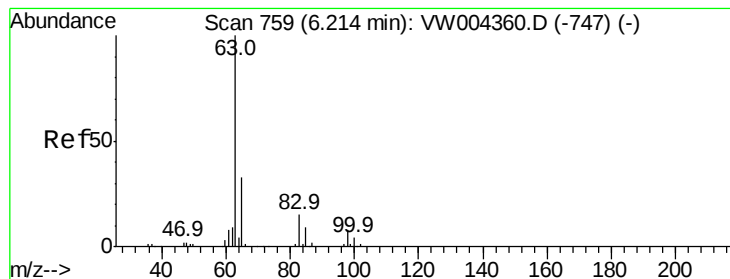
Tgt Ion: 73 Resp: 726761
Ion Ratio Lower Upper
73 100
43 19.2 15.1 22.7
57 22.5 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 109.613 ug/L
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW004362.D
Acq: 31 Jul 2018 17:03

Tgt Ion: 96 Resp: 495444
Ion Ratio Lower Upper
96 100
61 138.7 93.7 174.1
98 62.8 41.9 77.7





#19

1,1-Dichloroethane

Concen: 98.292 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD10081

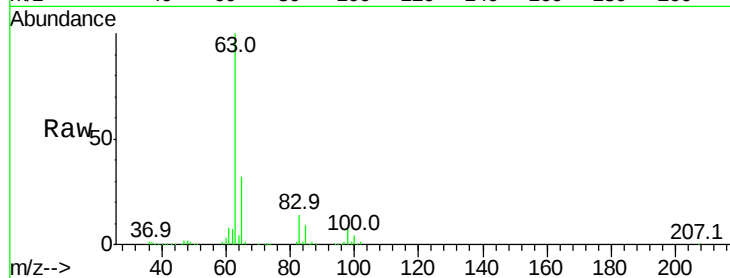
Tgt Ion: 63 Resp: 865424

Ion Ratio Lower Upper

63 100

65 31.8 23.0 42.8

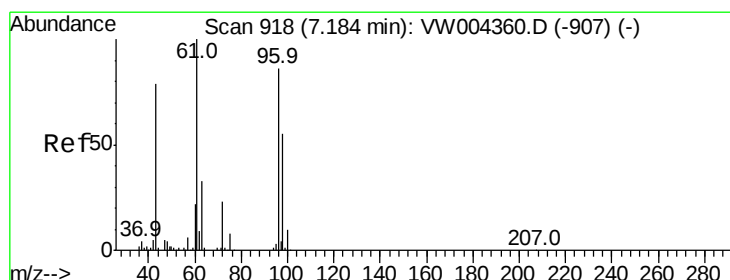
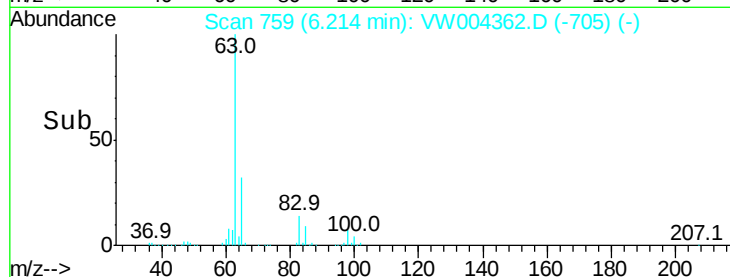
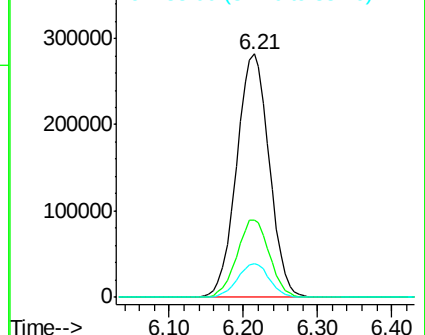
83 13.6 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 171.345 ug/L

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW004362.D

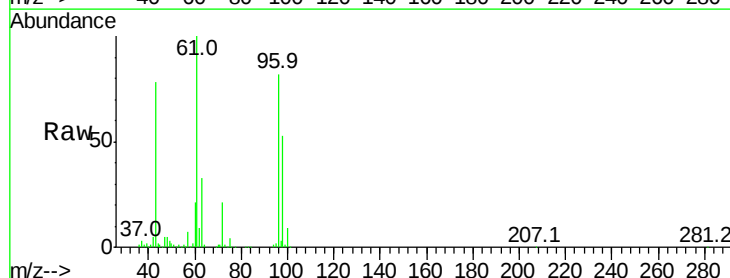
Acq: 31 Jul 2018 17:03

Tgt Ion: 43 Resp: 461220

Ion Ratio Lower Upper

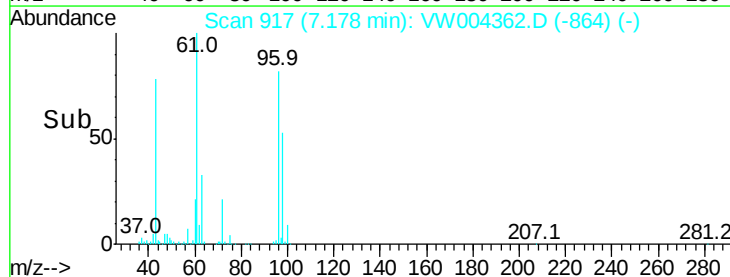
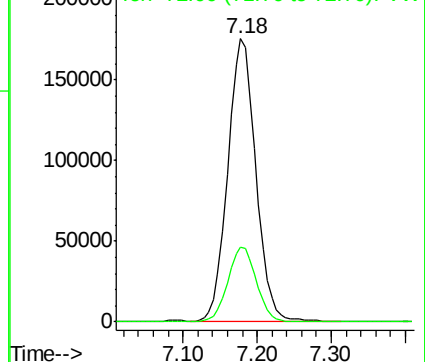
43 100

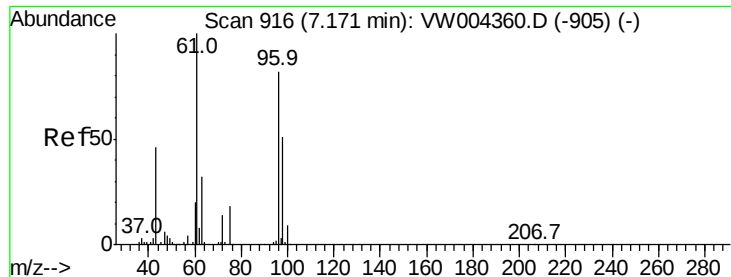
72 27.0 14.4 43.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



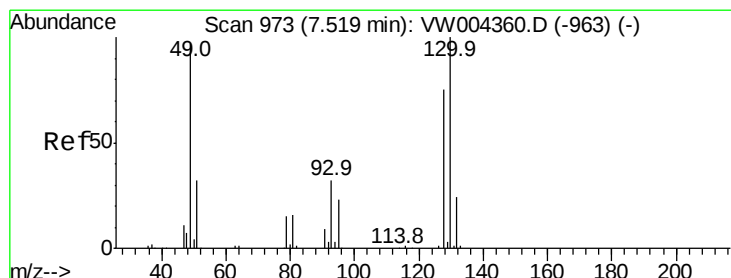
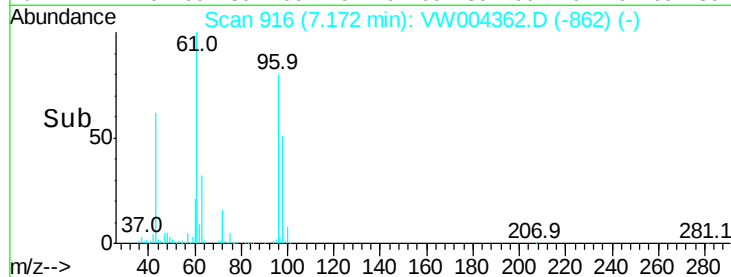
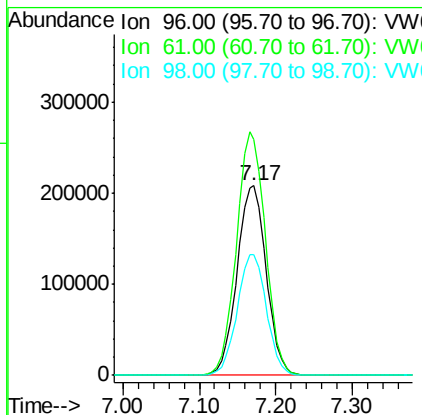
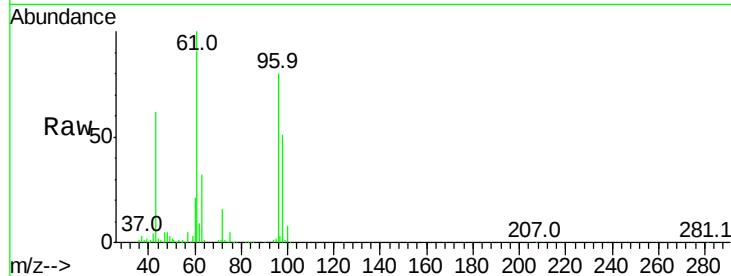


#22

cis-1,2-Dichloroethene
Concen: 109.781 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW004362.D
Acq: 31 Jul 2018 17:03

Instrument :
MSVOA_W
ClientSampleId :
VSTD10081

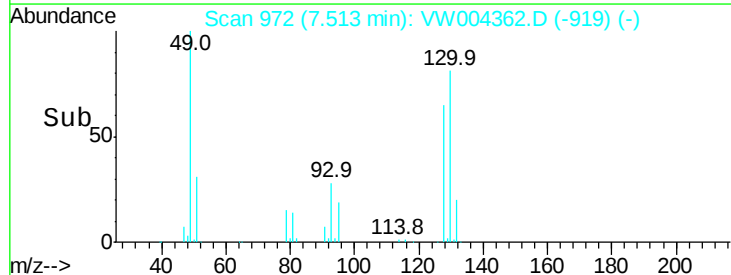
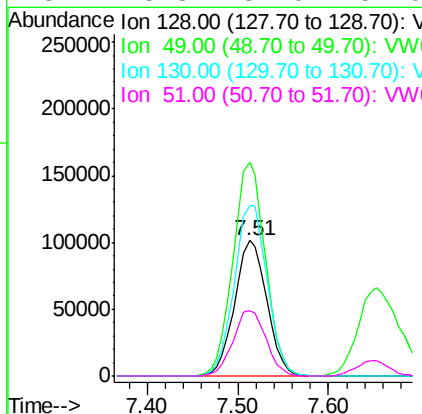
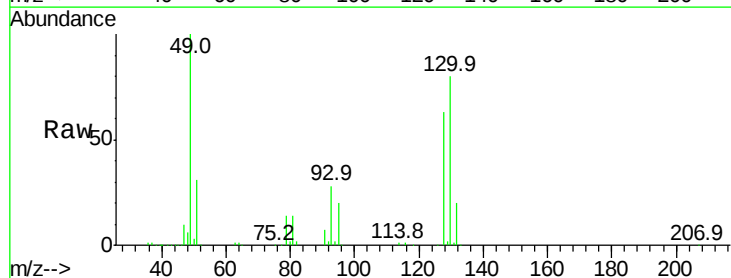
Tgt Ion: 96 Resp: 551635
Ion Ratio Lower Upper
96 100
61 124.4 85.7 159.1
98 63.6 43.8 81.3

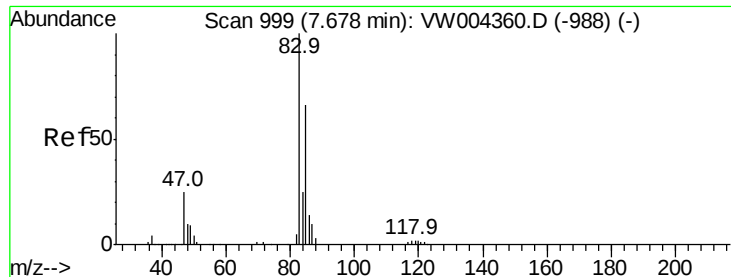


#23

Bromochloromethane
Concen: 104.956 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.01 min
Lab File: VW004362.D
Acq: 31 Jul 2018 17:03

Tgt Ion: 128 Resp: 249668
Ion Ratio Lower Upper
128 100
49 157.6 90.9 168.7
130 125.3 93.8 174.2
51 48.3 34.0 51.0





#25

Chloroform

Concen: 98.689 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

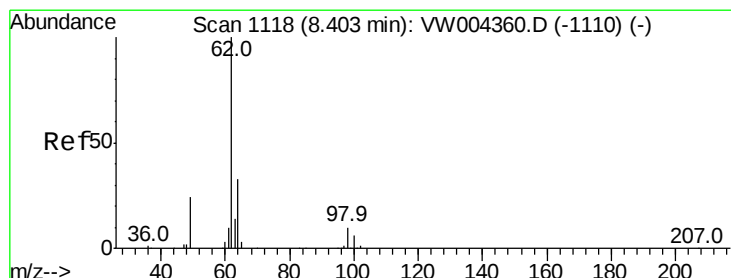
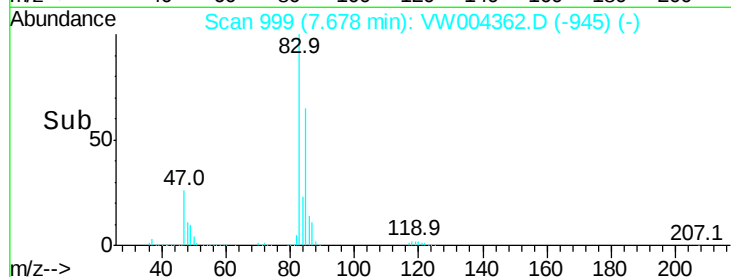
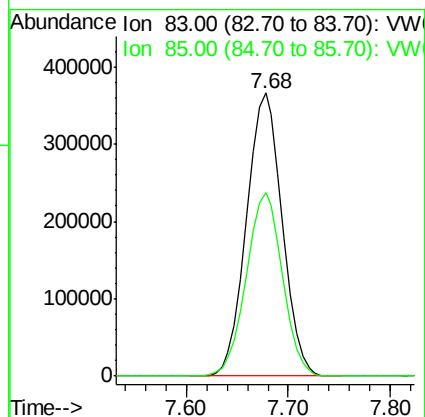
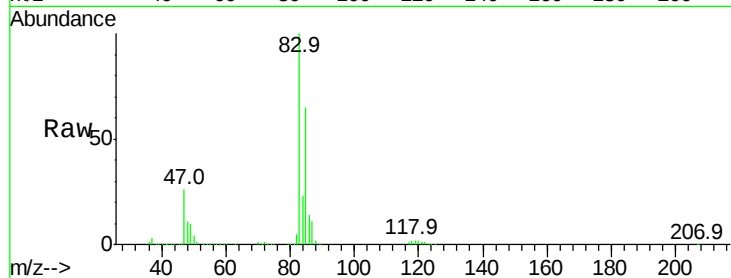
VSTD10081

Tgt Ion: 83 Resp: 890967

Ion Ratio Lower Upper

83 100

85 65.6 46.2 85.8



#27

1,2-Dichloroethane

Concen: 90.267 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004362.D

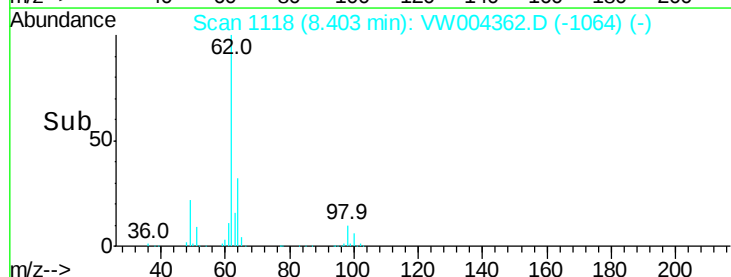
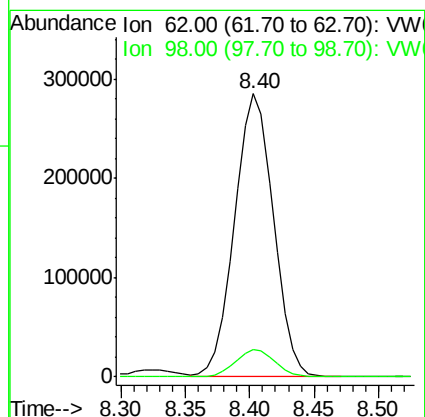
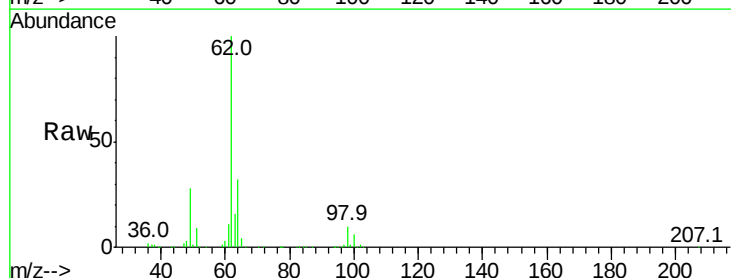
Acq: 31 Jul 2018 17:03

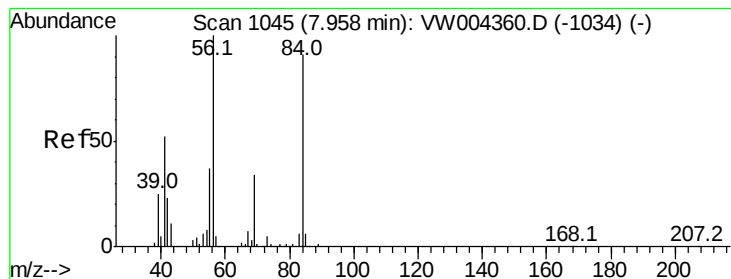
Tgt Ion: 62 Resp: 599418

Ion Ratio Lower Upper

62 100

98 9.5 7.8 11.8





#30

Cyclohexane

Concen: 121.694 ug/L

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD10081

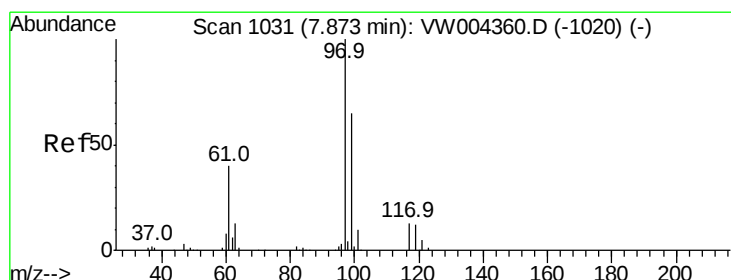
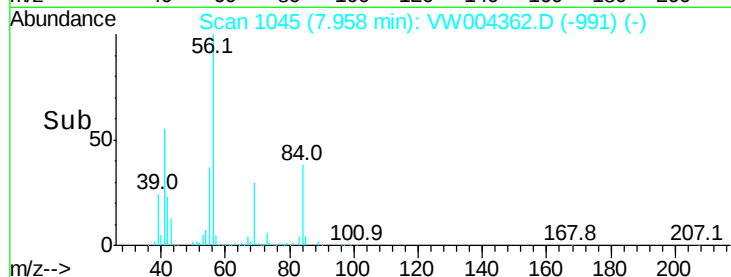
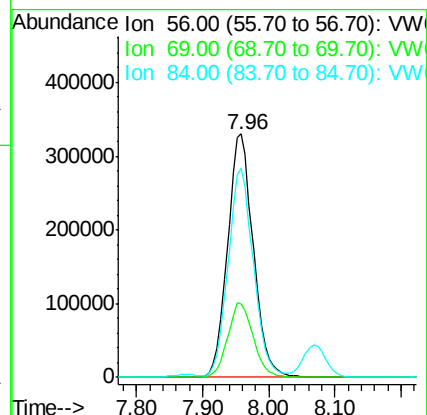
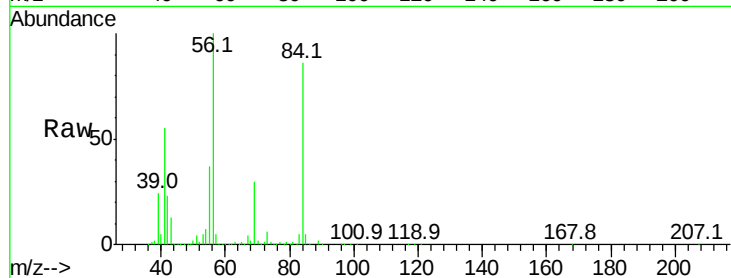
Tgt Ion: 56 Resp: 888301

Ion Ratio Lower Upper

56 100

69 30.4 25.7 38.5

84 85.0 73.8 110.6



#31

1,1,1-Trichloroethane

Concen: 108.791 ug/L

RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

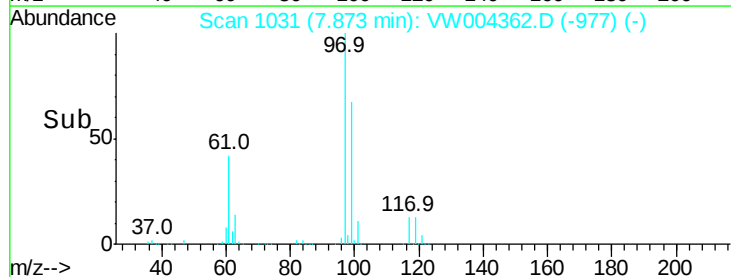
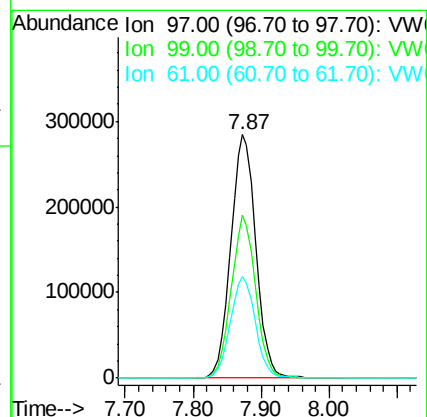
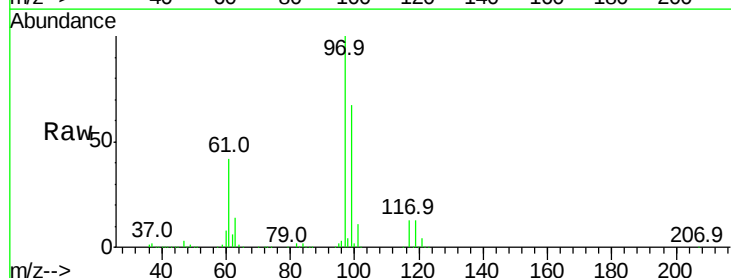
Tgt Ion: 97 Resp: 724237

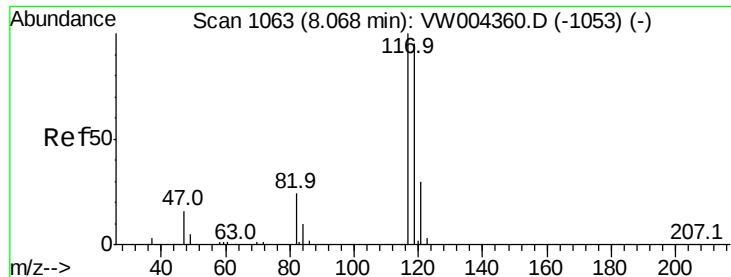
Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.0

61 41.5 32.2 48.2





#32

Carbon tetrachloride

Concen: 112.873 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

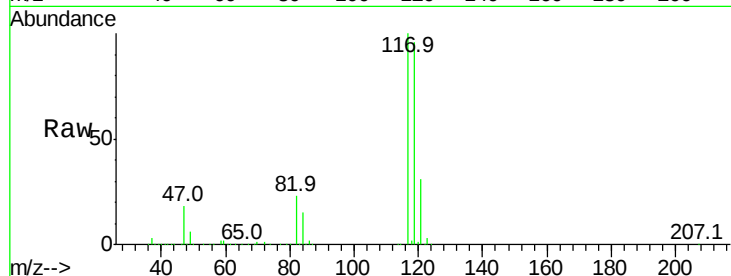
VSTD10081

Tgt Ion:117 Resp: 730844

Ion Ratio Lower Upper

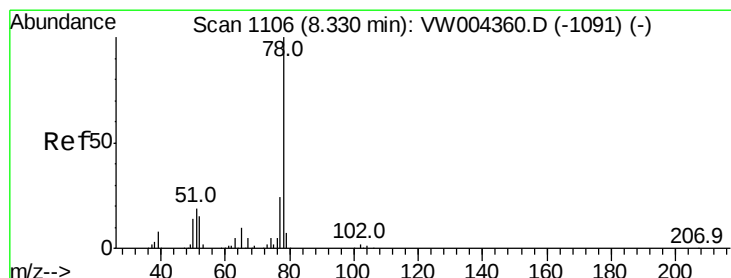
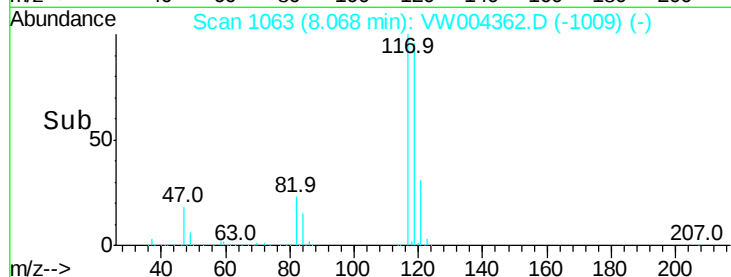
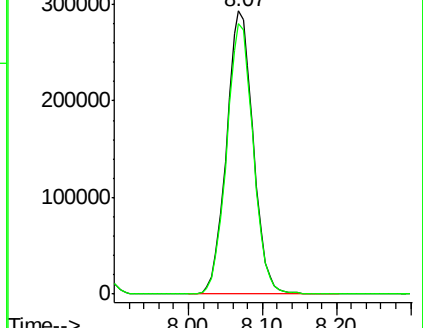
117 100

119 95.7 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 104.875 ug/L

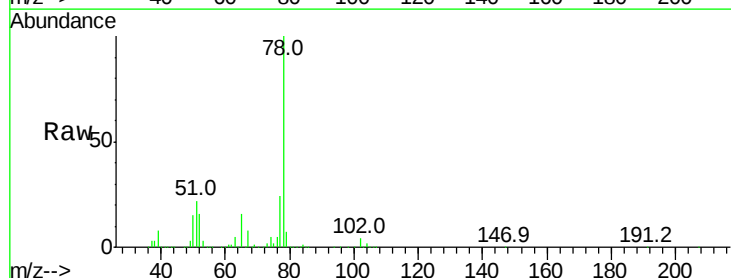
RT: 8.32 min Scan# 1105

Delta R.T. -0.01 min

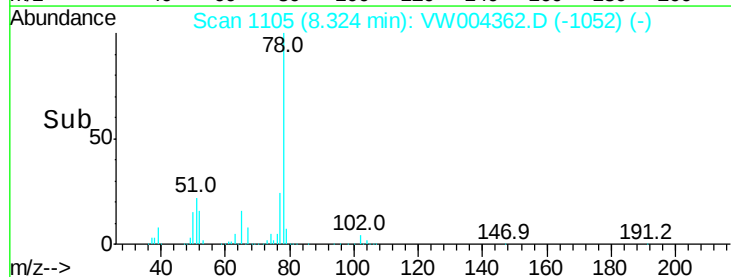
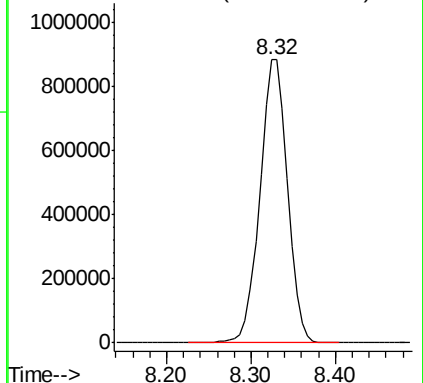
Lab File: VW004362.D

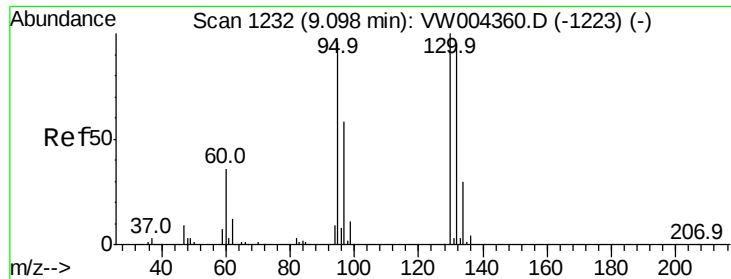
Acq: 31 Jul 2018 17:03

Tgt Ion: 78 Resp: 1988901



Abundance Ion 78.00 (77.70 to 78.70): VW

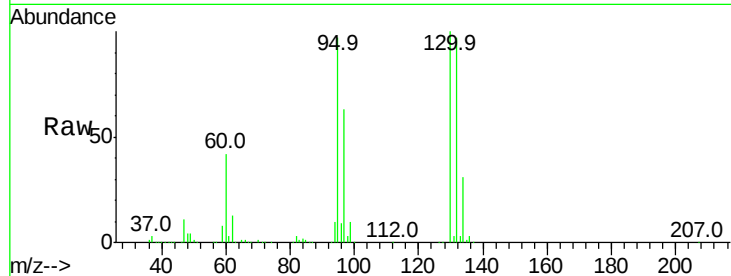




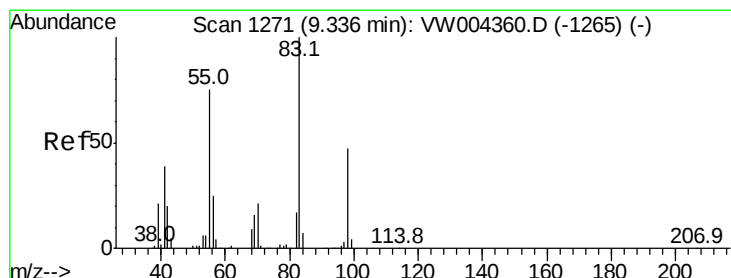
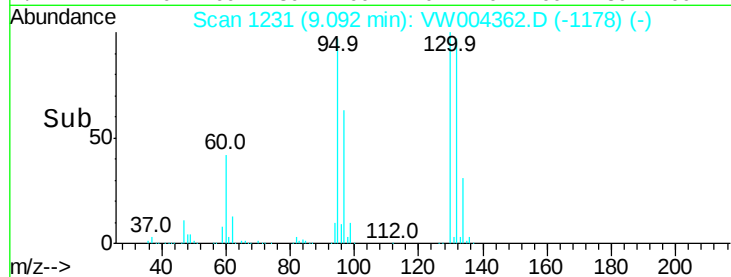
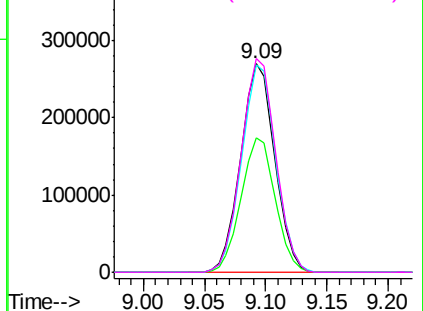
#35
 Trichloroethene
 Concen: 104.811 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VW004362.D
 Acq: 31 Jul 2018 17:03

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD10081

Tgt Ion:	95	Resp:	522902
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.6	84.6
132	99.9	71.2	132.2
130	104.0	73.9	137.3

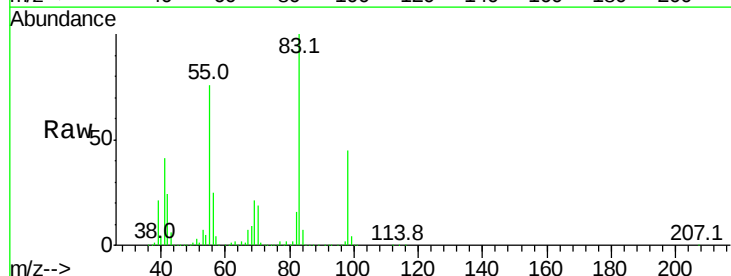


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

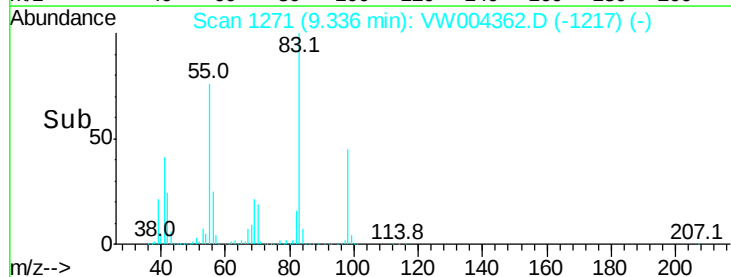
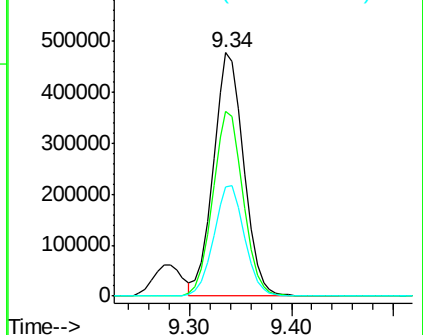


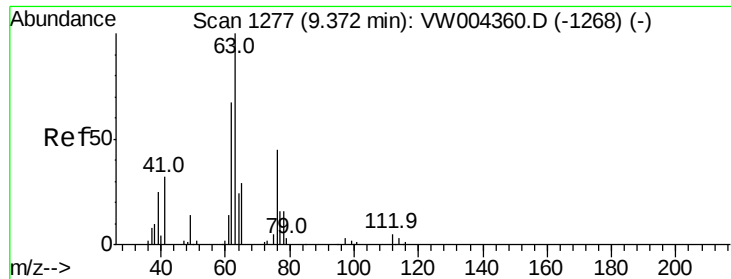
#36
 Methylcyclohexane
 Concen: 118.591 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW004362.D
 Acq: 31 Jul 2018 17:03

Tgt Ion:	83	Resp:	988777
Ion	Ratio	Lower	Upper
83	100		
55	76.2	58.2	87.2
98	46.2	37.7	56.5



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

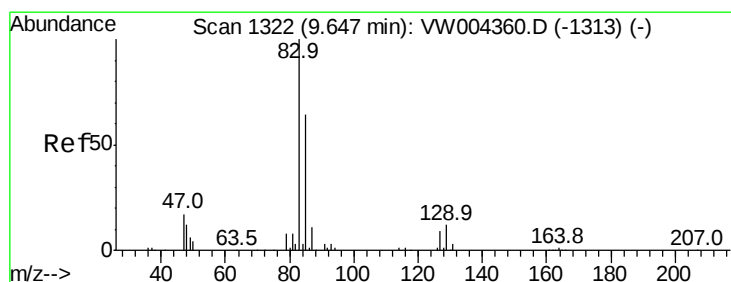
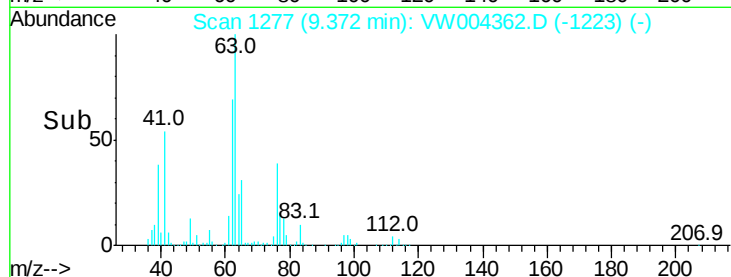
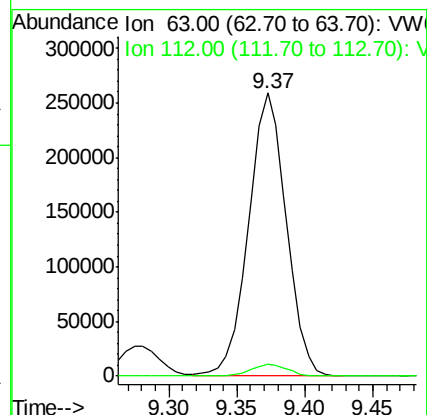
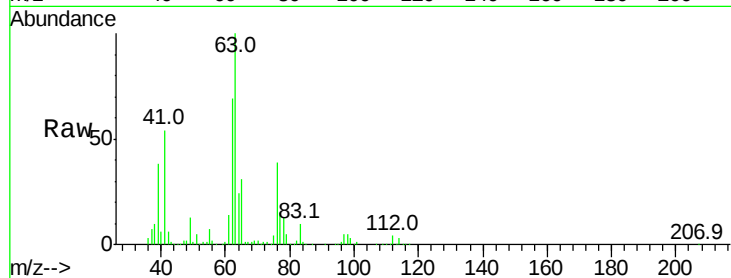




#40
 1,2-Dichloropropane
 Concen: 97.654 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004362.D
 Acq: 31 Jul 2018 17:03

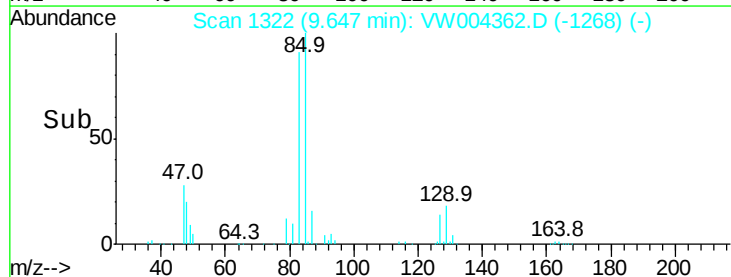
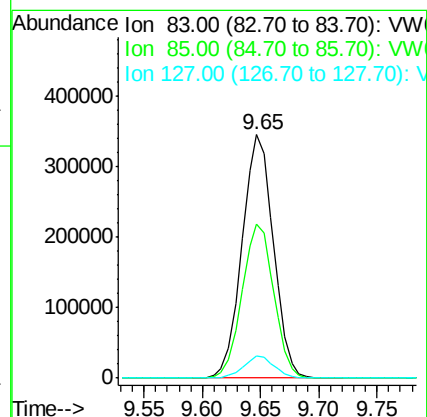
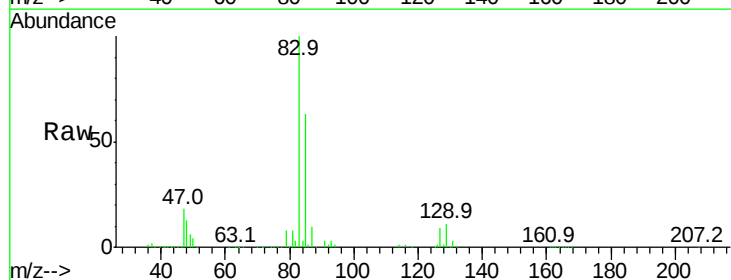
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10081

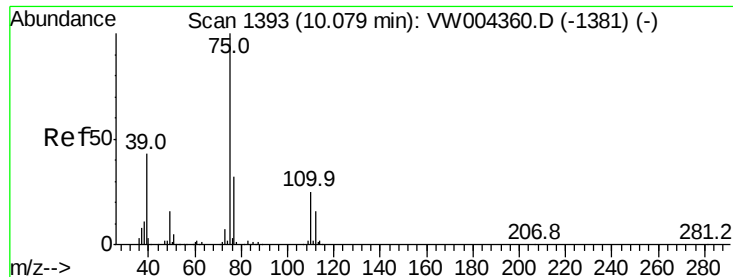
Tgt Ion: 63 Resp: 502839
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.2



#41
 Bromodichloromethane
 Concen: 102.262 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004362.D
 Acq: 31 Jul 2018 17:03

Tgt Ion: 83 Resp: 650210
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.9 83.3
 127 8.9 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 108.446 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

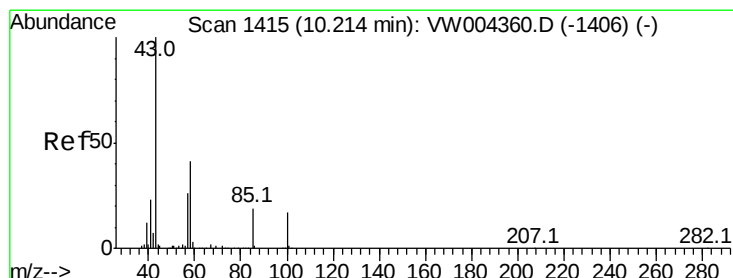
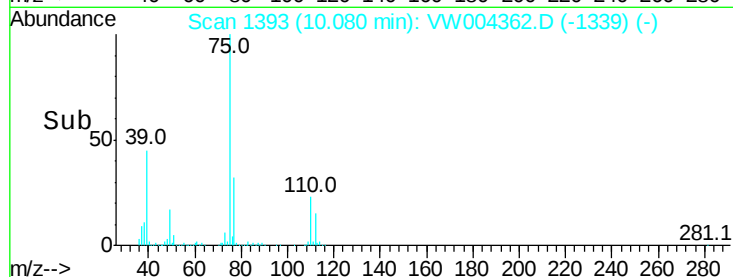
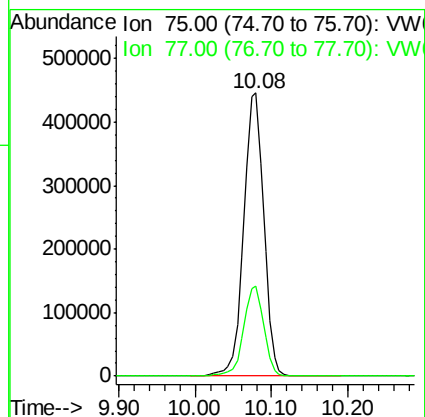
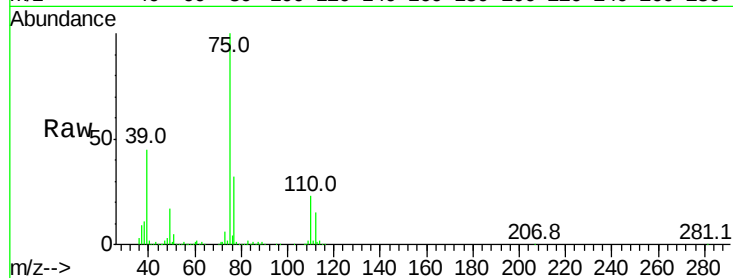
VSTD10081

Tgt Ion: 75 Resp: 812255

Ion Ratio Lower Upper

75 100

77 32.1 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 201.595 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

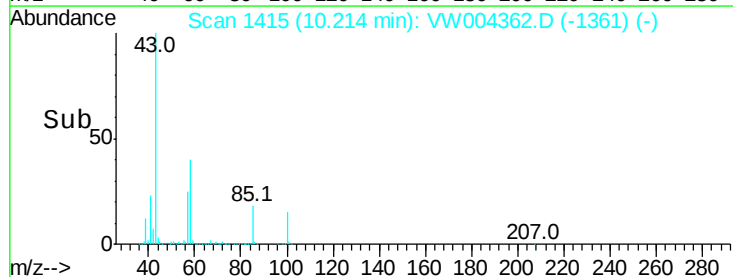
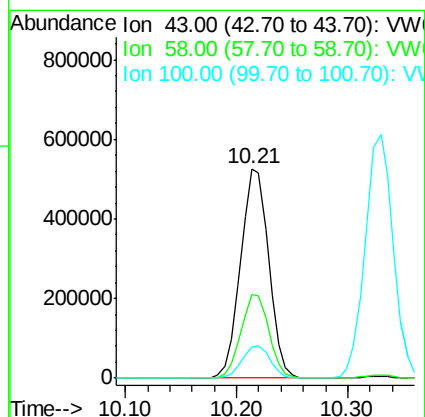
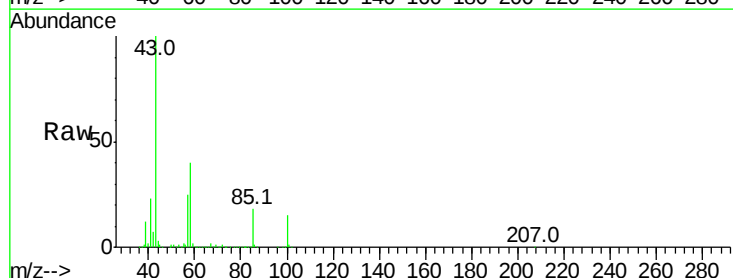
Tgt Ion: 43 Resp: 924724

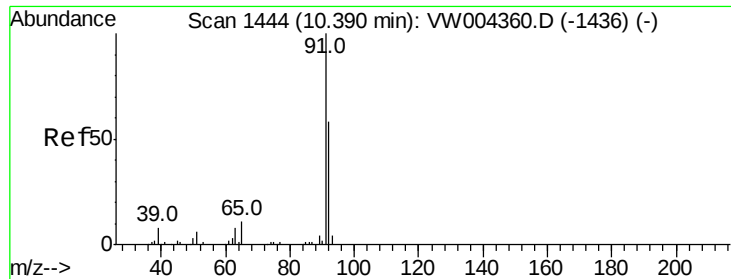
Ion Ratio Lower Upper

43 100

58 39.7 32.3 48.5

100 15.5 13.9 20.9





#44

Toluene

Concen: 104.415 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

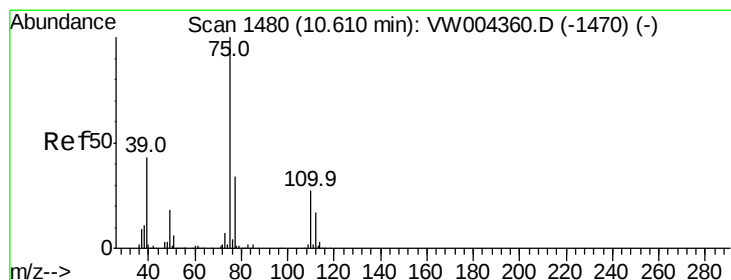
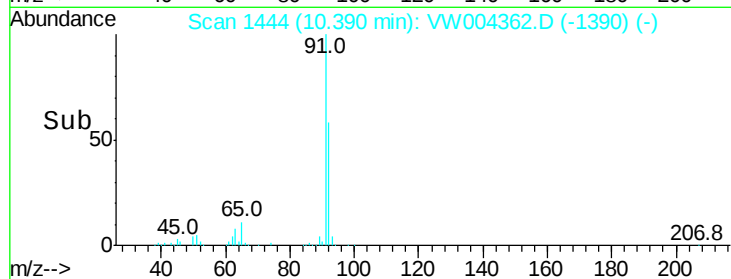
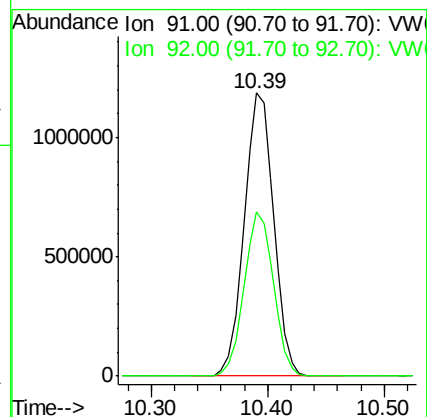
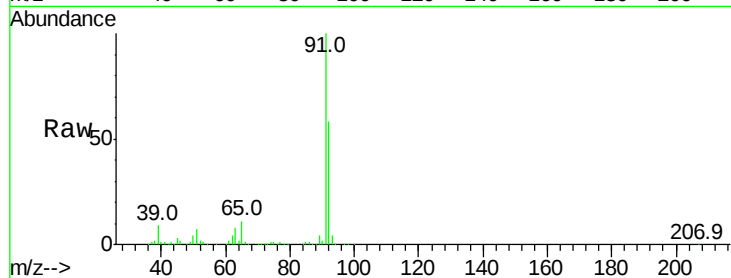
VSTD10081

Tgt Ion: 91 Resp: 2092869

Ion Ratio Lower Upper

91 100

92 58.3 40.9 75.9



#45

trans-1,3-Dichloropropene

Concen: 105.411 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004362.D

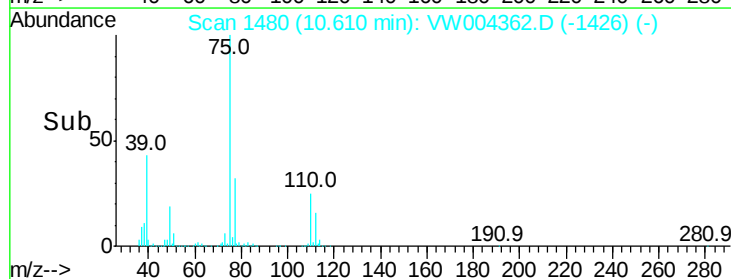
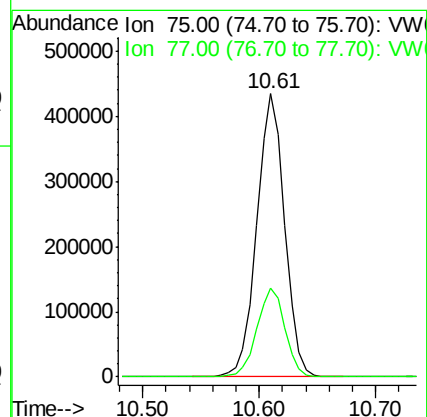
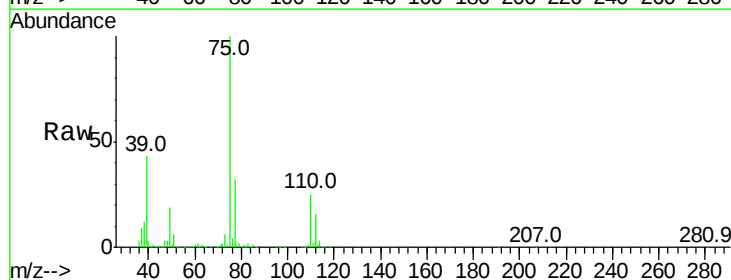
Acq: 31 Jul 2018 17:03

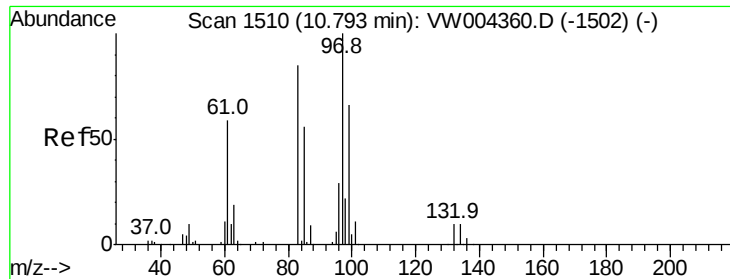
Tgt Ion: 75 Resp: 724039

Ion Ratio Lower Upper

75 100

77 31.6 23.9 44.5

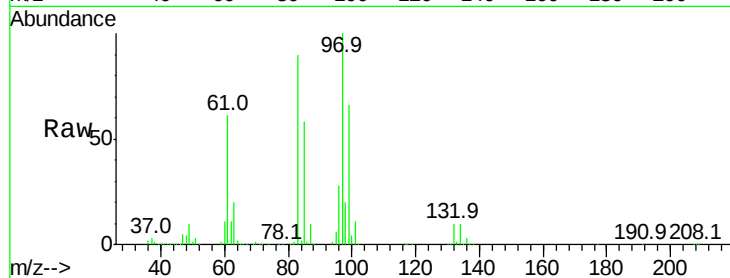




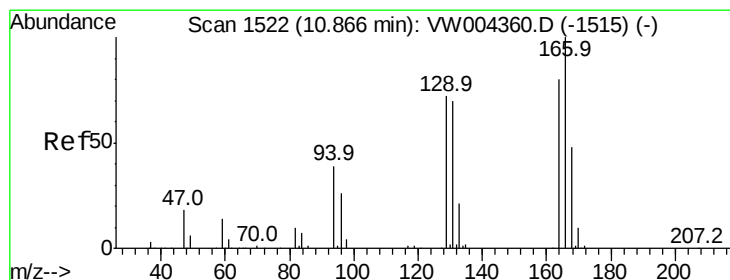
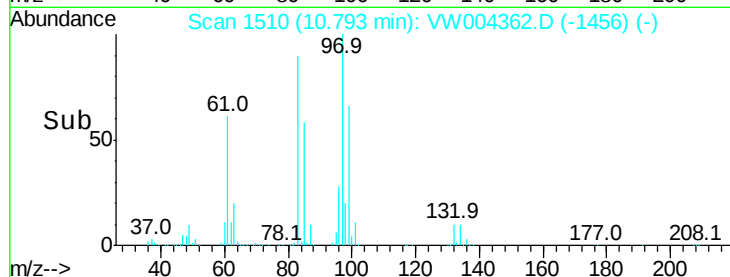
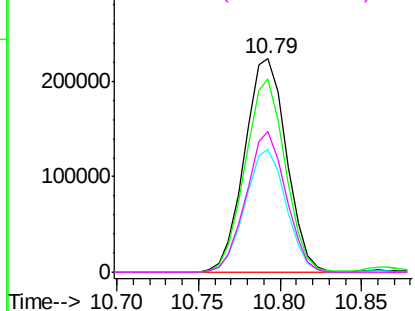
#46
 1,1,2-Trichloroethane
 Concen: 100.184 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004362.D
 Acq: 31 Jul 2018 17:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10081

Tgt Ion: 97 Resp: 400514
 Ion Ratio Lower Upper
 97 100
 83 90.3 59.4 110.2
 85 57.5 39.0 72.4
 99 66.2 46.0 85.4

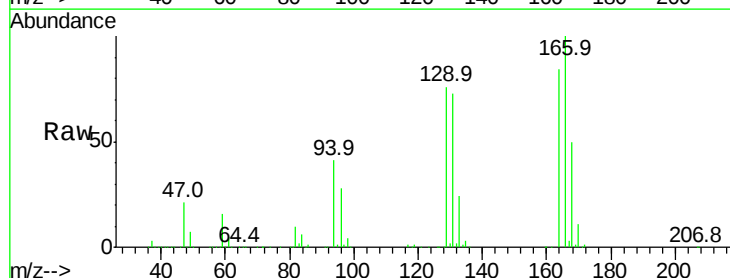


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

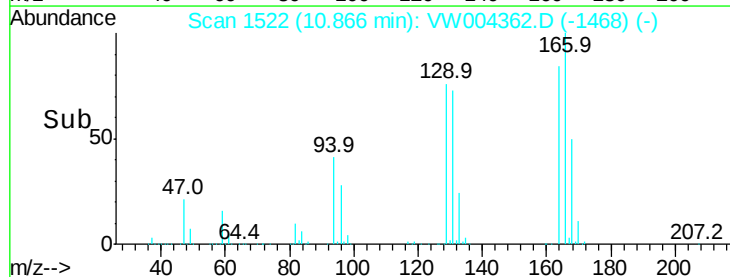
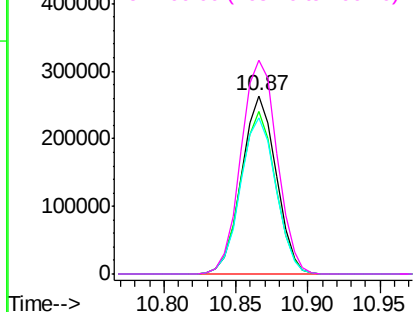


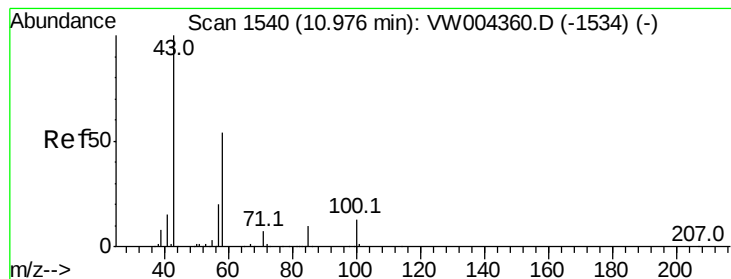
#47
 Tetrachloroethene
 Concen: 109.819 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004362.D
 Acq: 31 Jul 2018 17:03

Tgt Ion: 164 Resp: 438271
 Ion Ratio Lower Upper
 164 100
 129 91.2 63.7 118.3
 131 87.6 61.6 114.4
 166 119.6 87.9 163.3



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 189.224 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD10081

Tgt Ion: 43 Resp: 680081

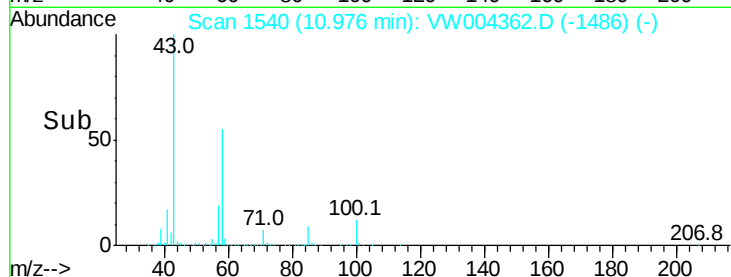
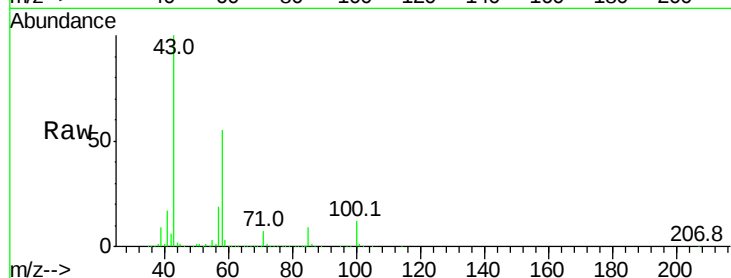
Ion Ratio Lower Upper

43 100

58 55.0 44.0 66.0

57 19.2 16.0 24.0

100 12.0 10.7 16.1

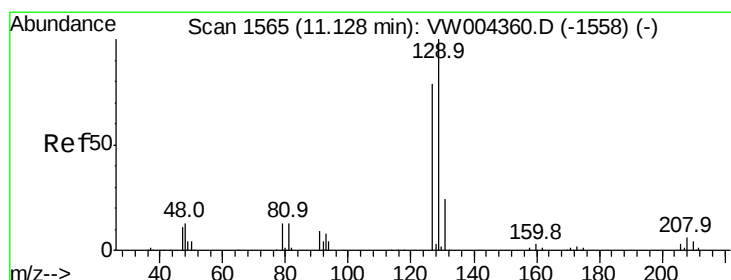
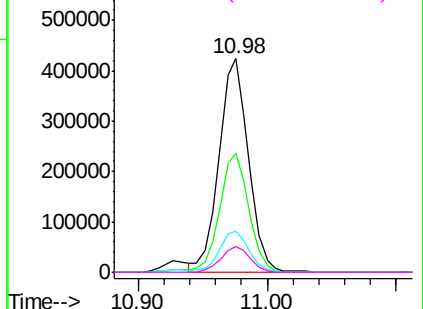


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 108.048 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VW004362.D

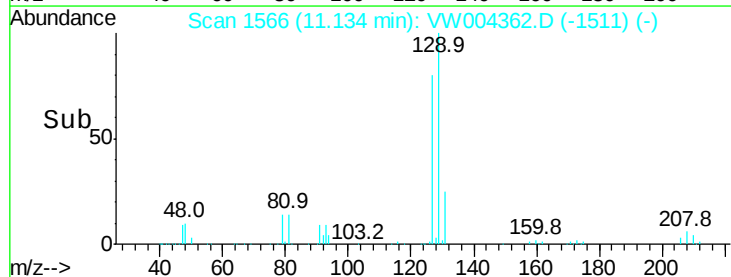
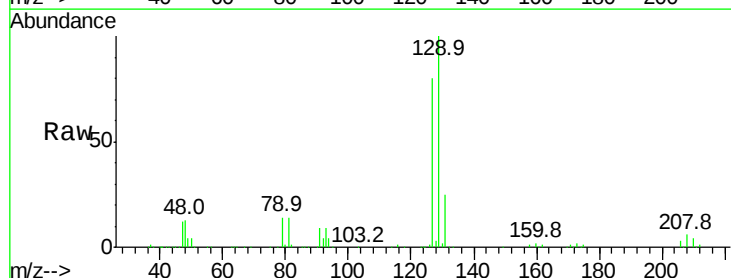
Acq: 31 Jul 2018 17:03

Tgt Ion: 129 Resp: 492654

Ion Ratio Lower Upper

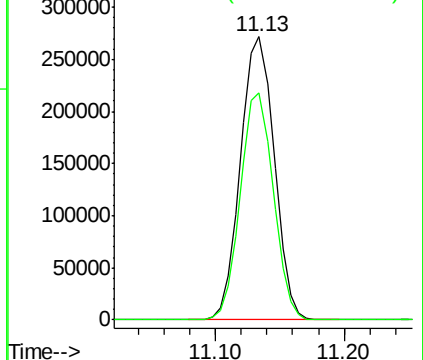
129 100

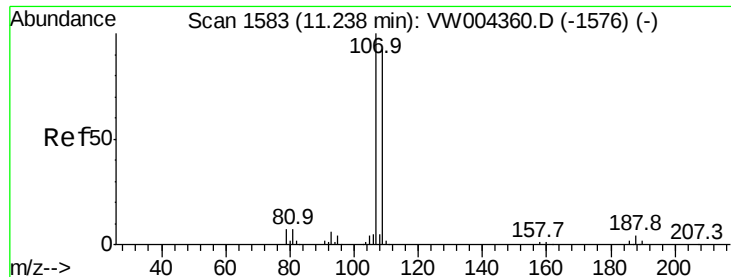
127 80.2 55.6 103.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

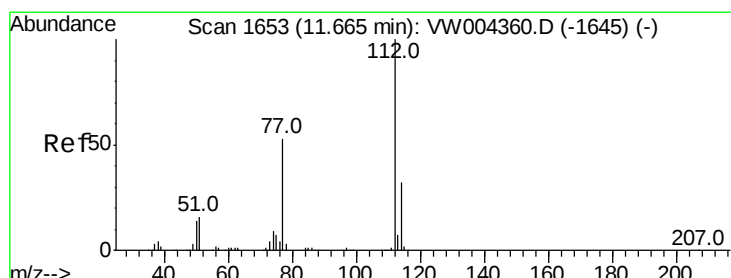
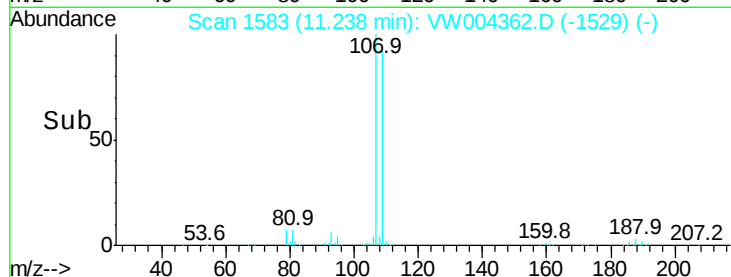
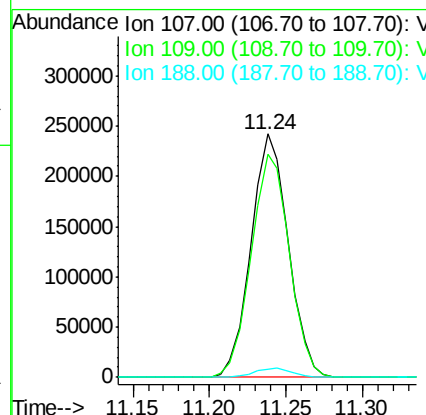
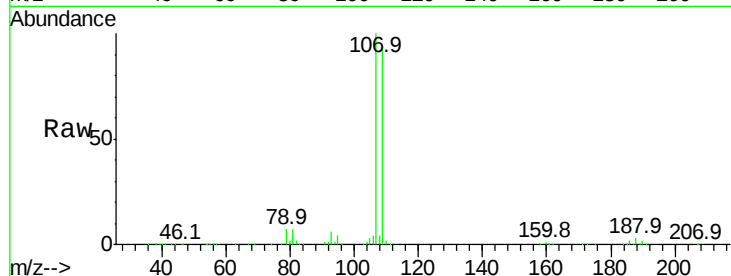




#51
 1,2-Dibromoethane
 Concen: 105.107 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004362.D
 Acq: 31 Jul 2018 17:03

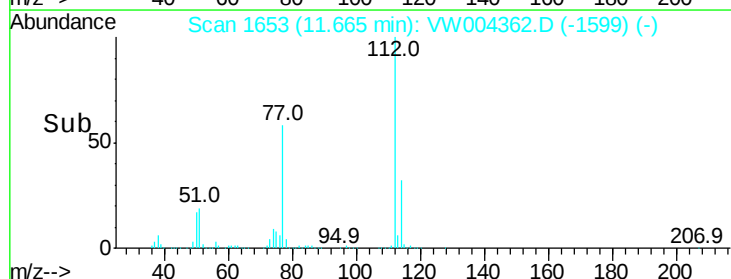
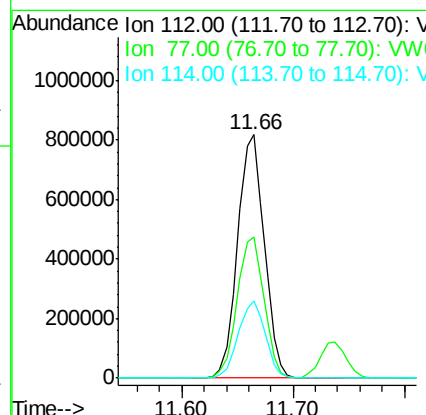
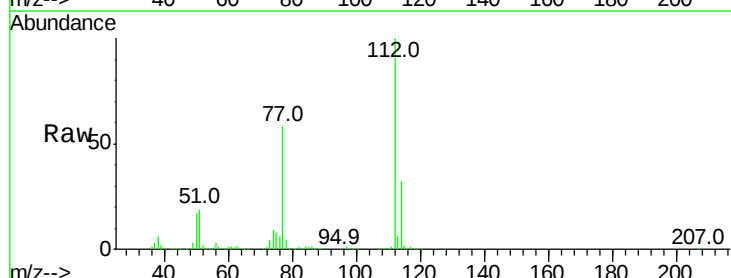
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10081

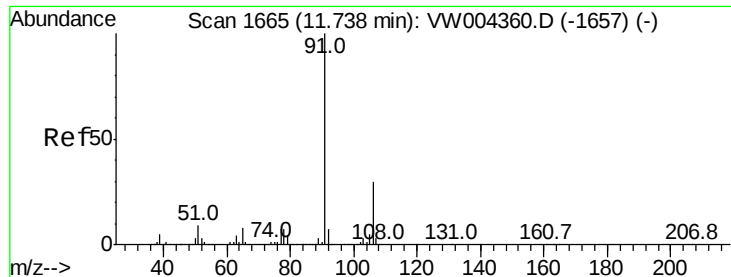
Tgt Ion:107 Resp: 409696
 Ion Ratio Lower Upper
 107 100
 109 91.9 65.1 120.9
 188 3.5 3.2 4.8



#52
 Chlorobenzene
 Concen: 106.322 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: VW004362.D
 Acq: 31 Jul 2018 17:03

Tgt Ion:112 Resp: 1358205
 Ion Ratio Lower Upper
 112 100
 77 57.9 42.9 64.3
 114 31.9 22.0 41.0





#53

Ethylbenzene

Concen: 108.501 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

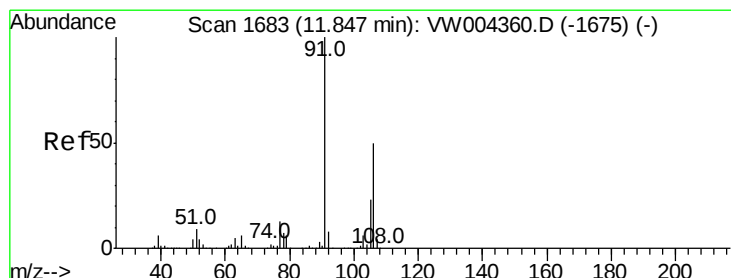
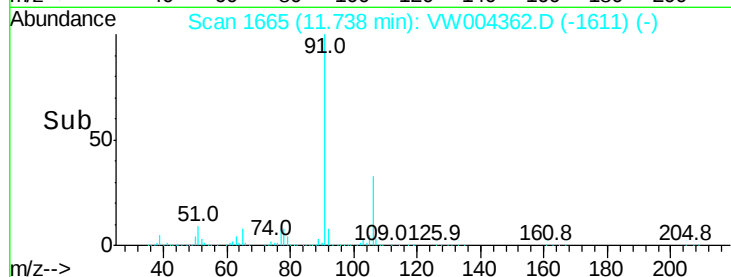
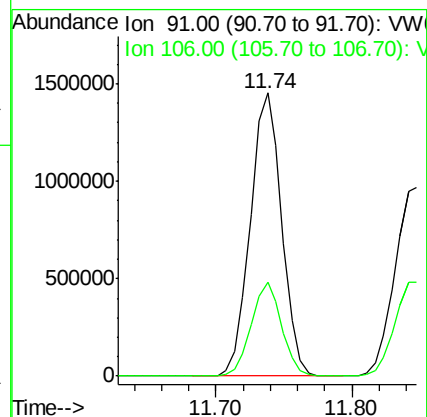
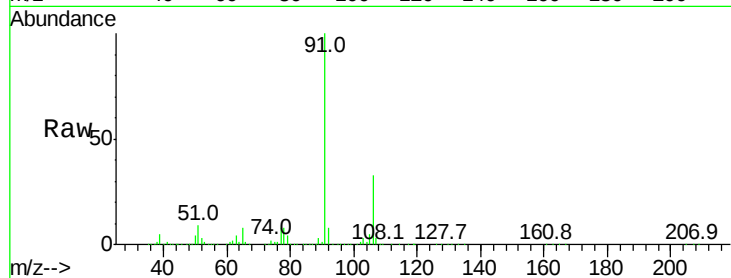
VSTD10081

Tgt Ion: 91 Resp: 2346681

Ion Ratio Lower Upper

91 100

106 33.0 20.7 38.5



#54

m,p-Xylene

Concen: 113.243 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004362.D

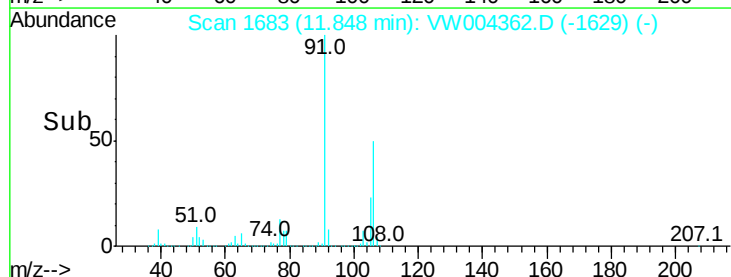
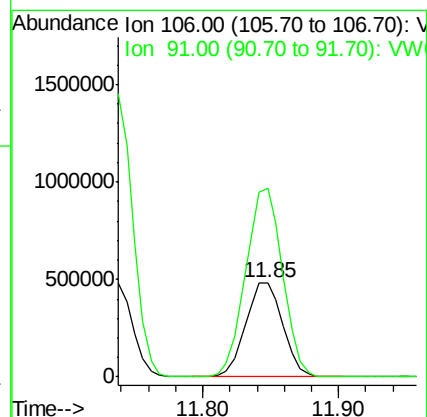
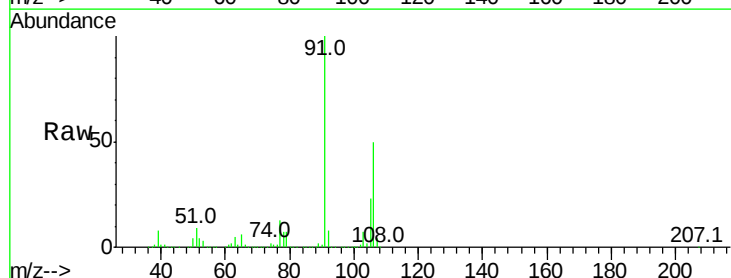
Acq: 31 Jul 2018 17:03

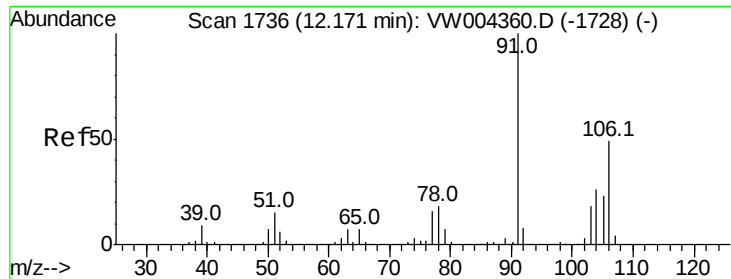
Tgt Ion: 106 Resp: 921195

Ion Ratio Lower Upper

106 100

91 199.2 139.2 258.6





#55

o-xylene

Concen: 114.322 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

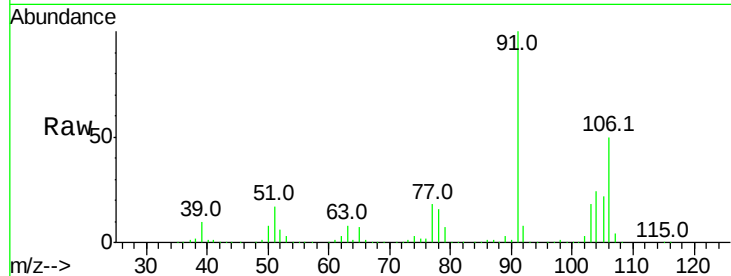
VSTD10081

Tgt Ion:106 Resp: 870427

Ion Ratio Lower Upper

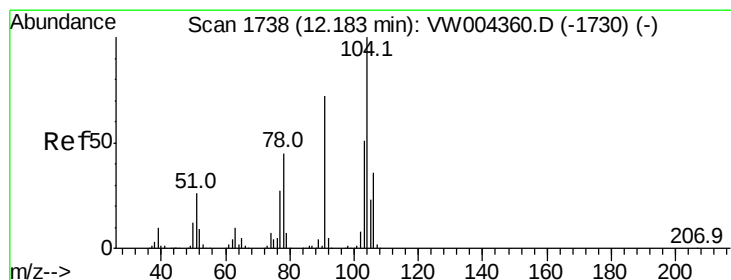
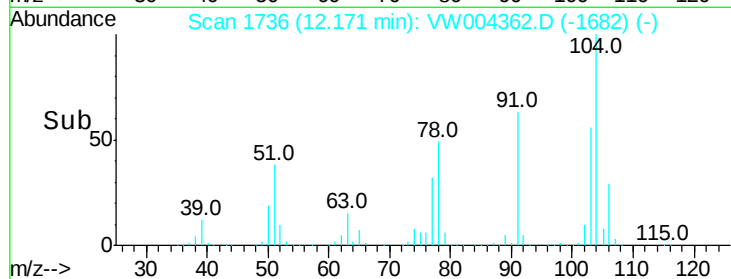
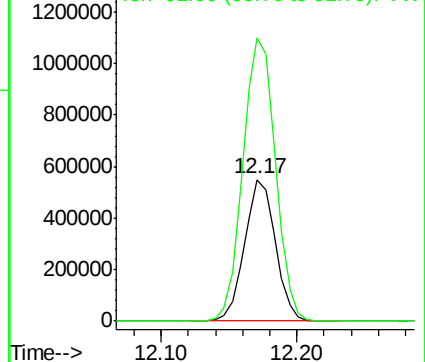
106 100

91 200.3 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 115.614 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VW004362.D

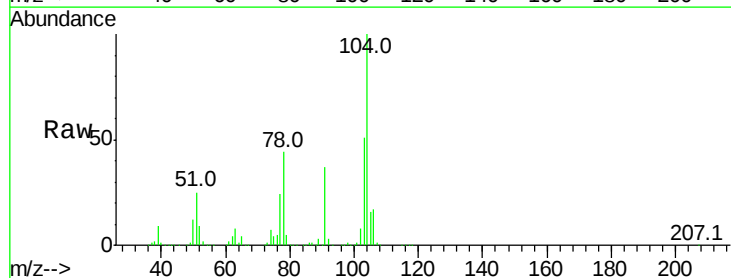
Acq: 31 Jul 2018 17:03

Tgt Ion:104 Resp: 1525696

Ion Ratio Lower Upper

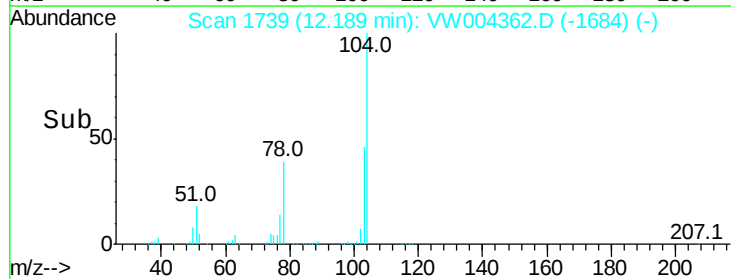
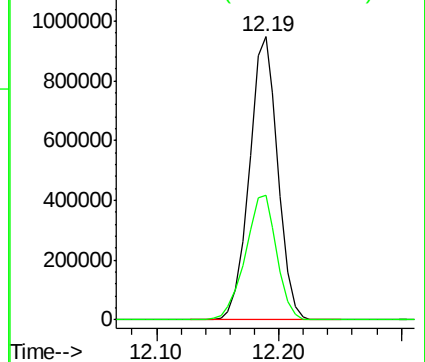
104 100

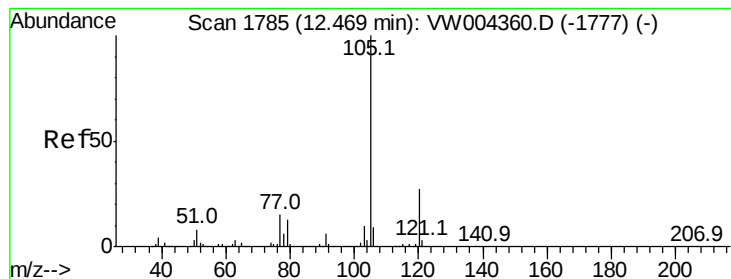
78 43.9 31.7 58.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 119.418 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD10081

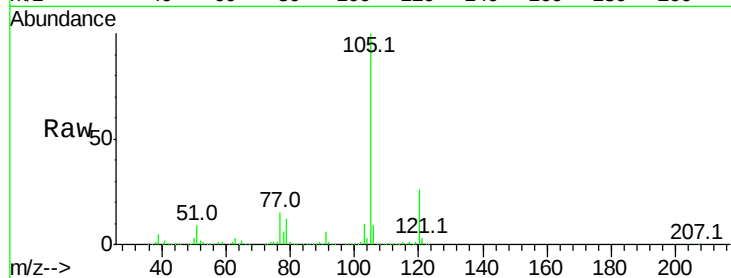
Tgt Ion:105 Resp: 2470145

Ion Ratio Lower Upper

105 100

120 26.6 21.8 32.8

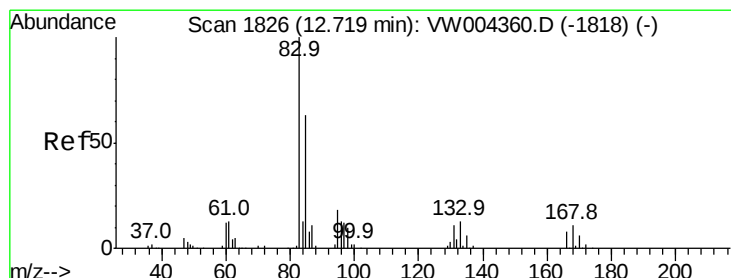
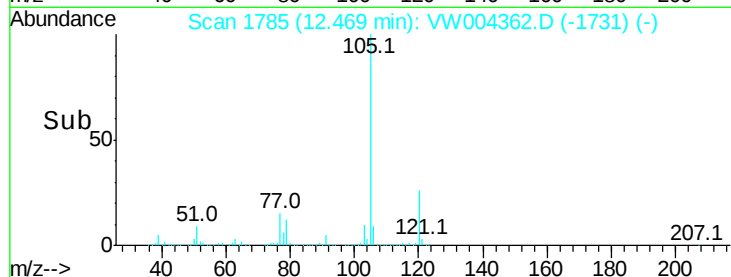
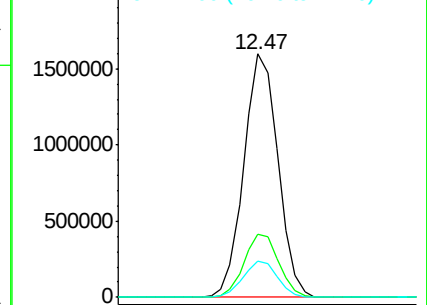
77 15.0 11.8 17.8



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: 101.300 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

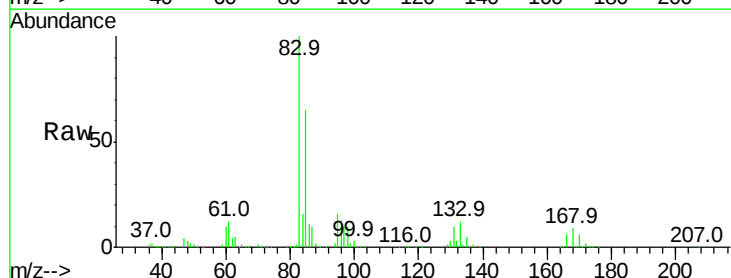
Tgt Ion: 83 Resp: 577326

Ion Ratio Lower Upper

83 100

85 64.7 44.3 82.3

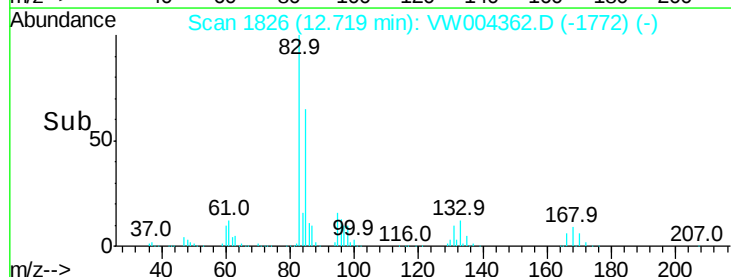
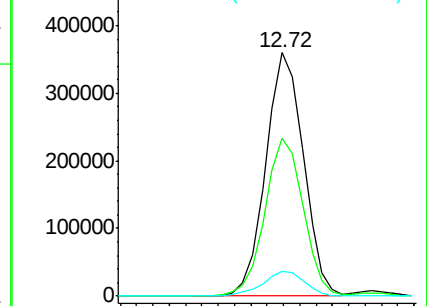
131 9.9 9.1 13.7

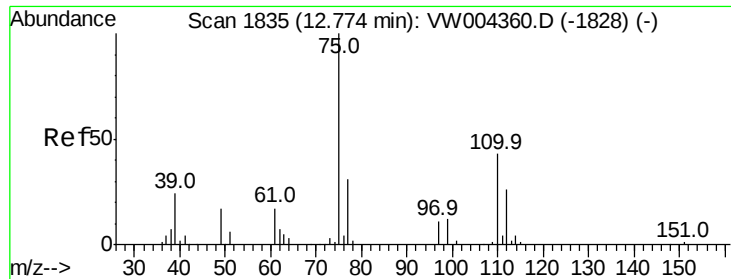


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 101.028 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

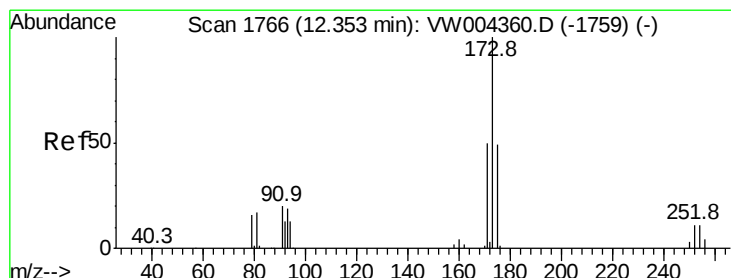
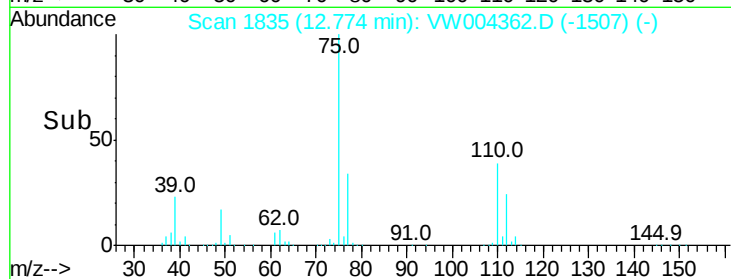
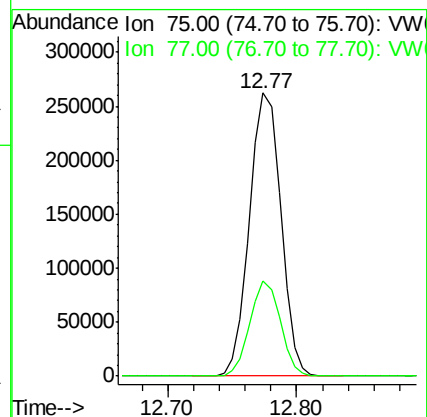
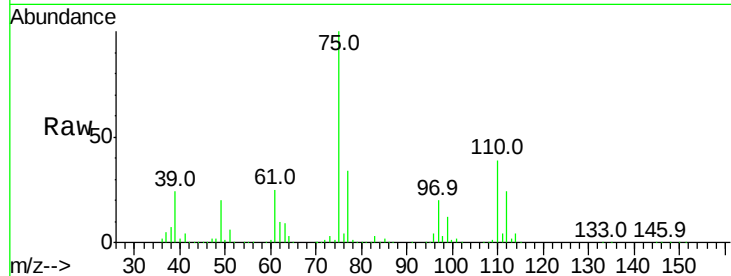
VSTD10081

Tgt Ion: 75 Resp: 442658

Ion Ratio Lower Upper

75 100

77 32.6 26.6 40.0



#62

Bromoform

Concen: 107.437 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

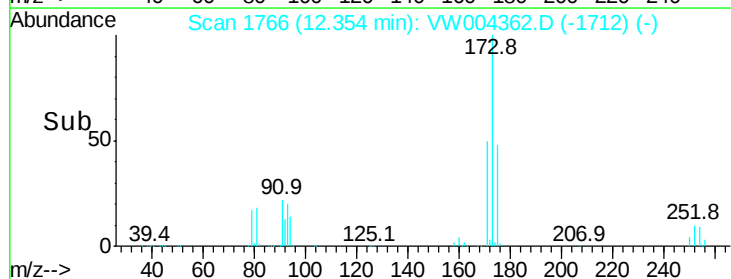
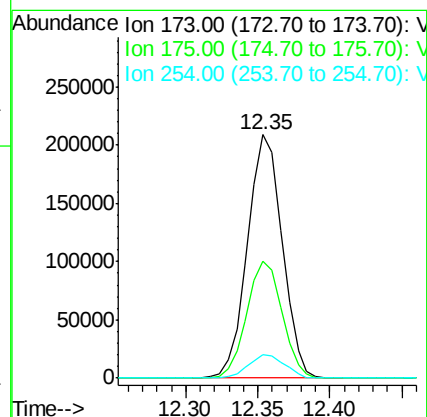
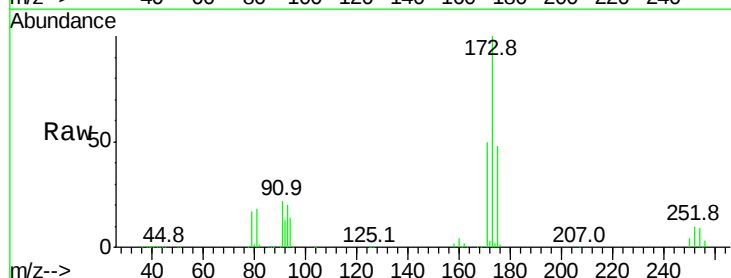
Tgt Ion: 173 Resp: 348341

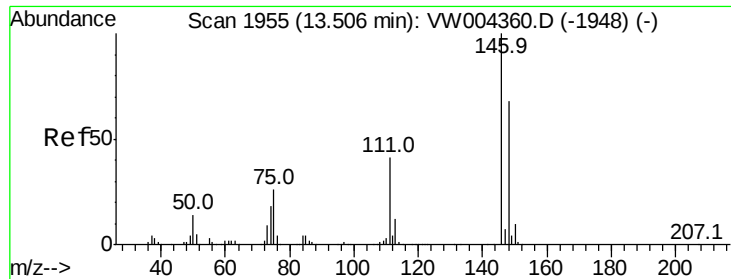
Ion Ratio Lower Upper

173 100

175 49.0 39.8 59.8

254 10.0 8.6 12.8

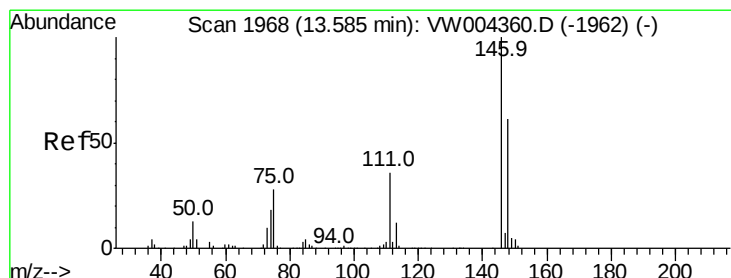
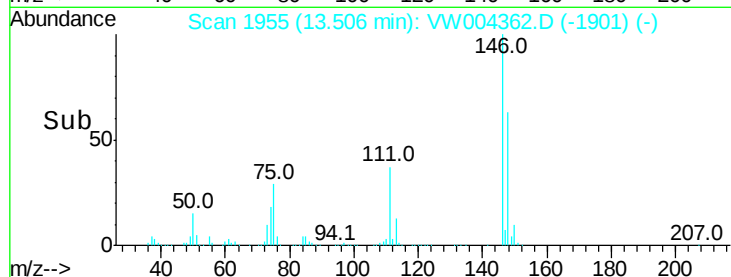
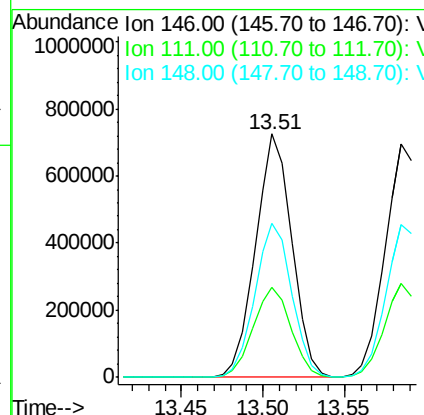
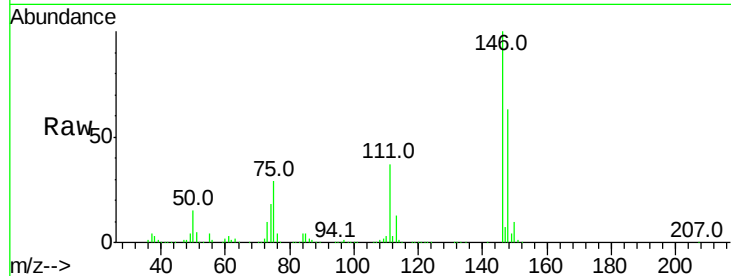




#63
 1,3-Dichlorobenzene
 Concen: 105.996 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004362.D
 Acq: 31 Jul 2018 17:03

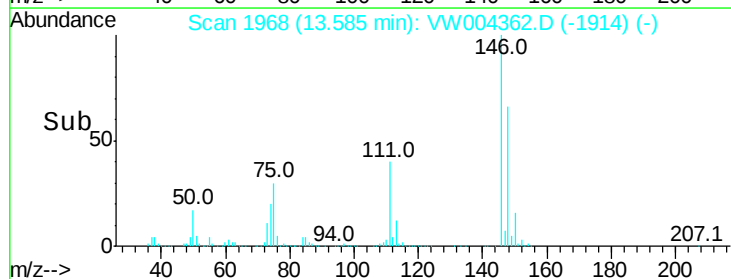
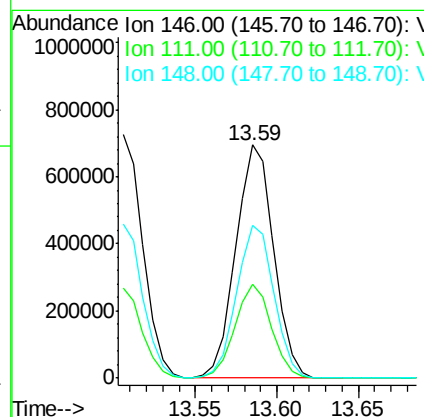
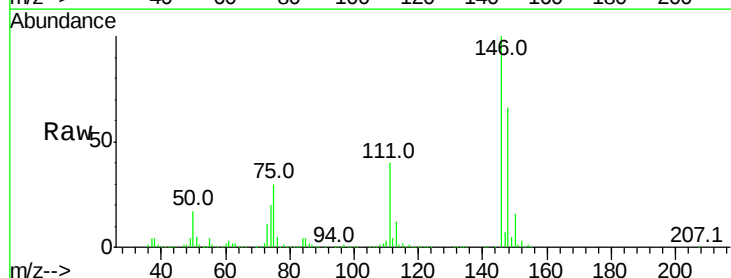
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10081

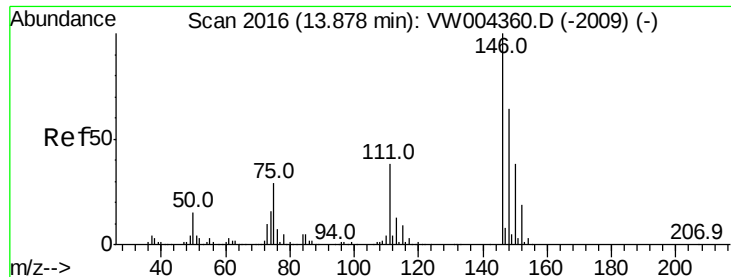
Tgt Ion:146 Resp: 1126309
 Ion Ratio Lower Upper
 146 100
 111 37.2 28.6 53.2
 148 63.4 47.7 88.5



#64
 1,4-Dichlorobenzene
 Concen: 99.777 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004362.D
 Acq: 31 Jul 2018 17:03

Tgt Ion:146 Resp: 1119498
 Ion Ratio Lower Upper
 146 100
 111 40.2 25.4 47.2
 148 65.7 42.8 79.6

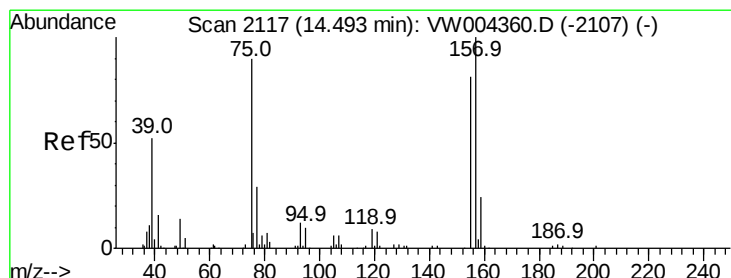
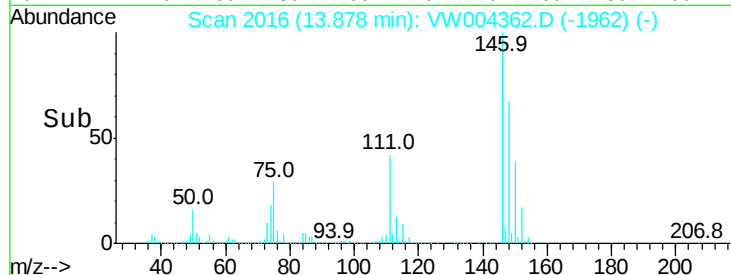
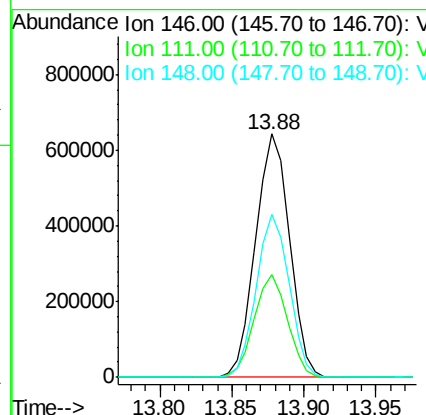
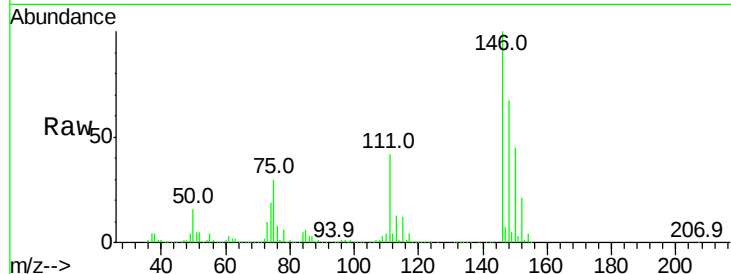




#65
 1,2-Dichlorobenzene
 Concen: 101.109 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004362.D
 Acq: 31 Jul 2018 17:03

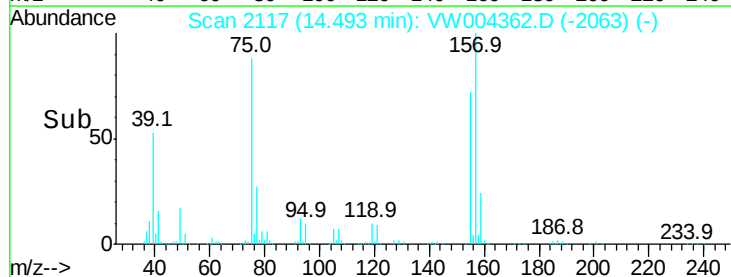
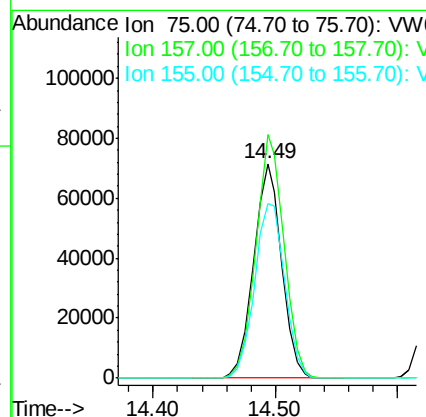
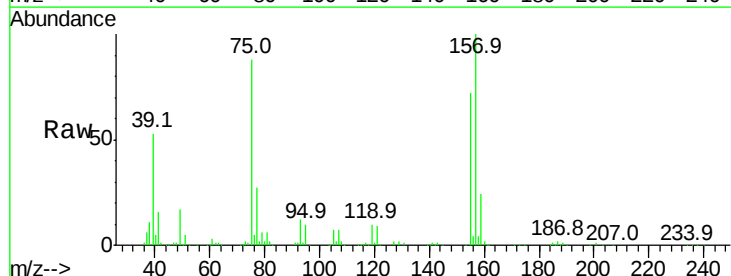
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10081

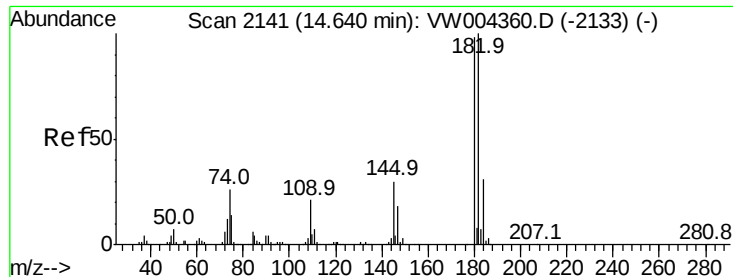
Tgt Ion:146 Resp: 1046717
 Ion Ratio Lower Upper
 146 100
 111 42.1 30.2 45.4
 148 66.9 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 97.708 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004362.D
 Acq: 31 Jul 2018 17:03

Tgt Ion: 75 Resp: 113598
 Ion Ratio Lower Upper
 75 100
 157 113.5 88.6 132.8
 155 81.4 71.8 107.6





#67

1,3,5-Trichlorobenzene

Concen: 100.564 ug/L

RT: 14.63 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD10081

Tgt Ion:180 Resp: 826590

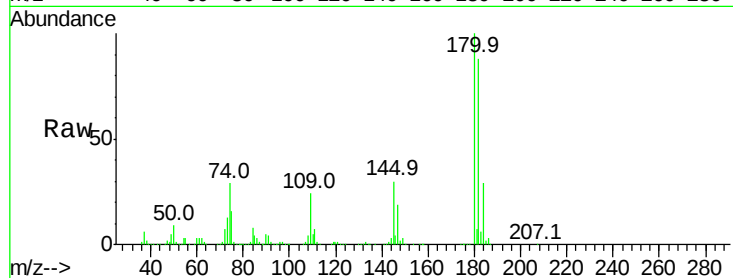
Ion Ratio Lower Upper

180 100

182 95.1 77.7 116.5

184 30.5 24.6 37.0

145 29.2 23.6 35.4

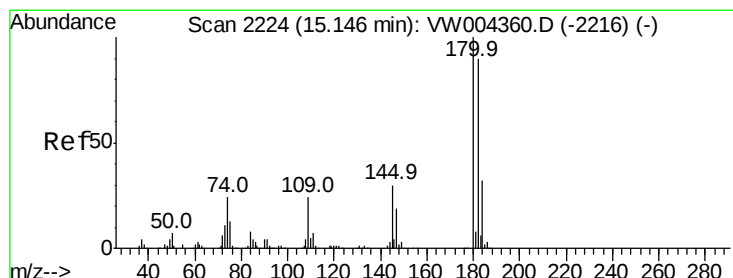
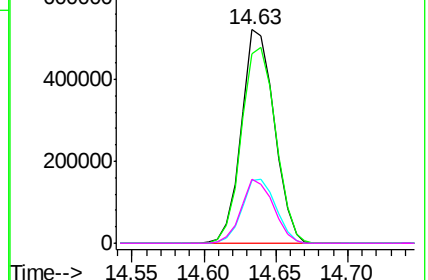
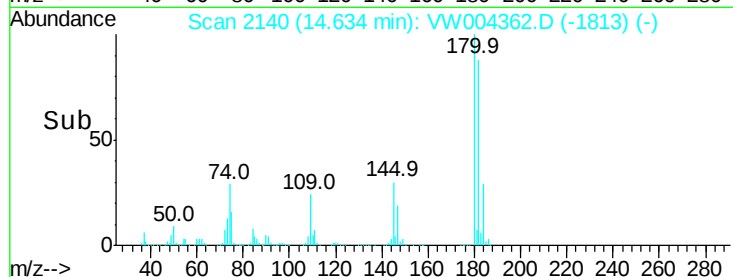


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 109.520 ug/L

RT: 15.15 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

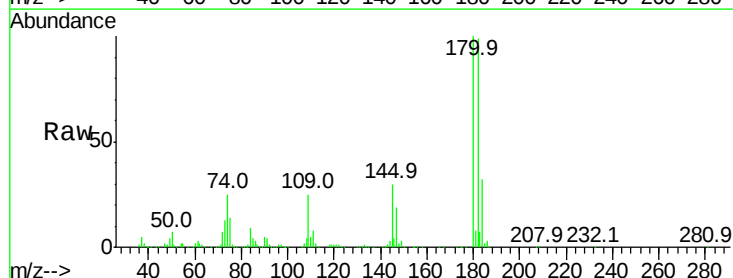
Tgt Ion:180 Resp: 734164

Ion Ratio Lower Upper

180 100

182 97.2 75.5 113.3

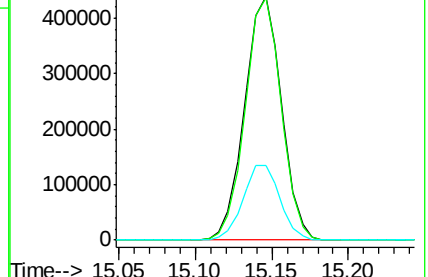
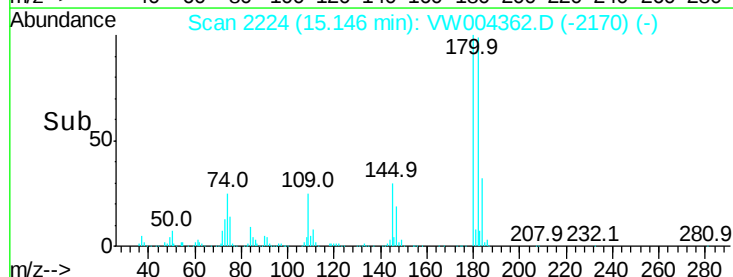
145 30.7 24.2 36.2

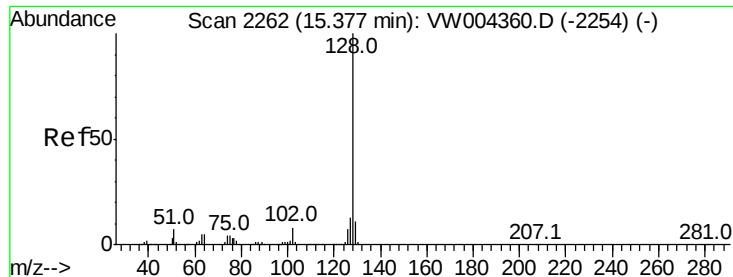


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 117.583 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD10081

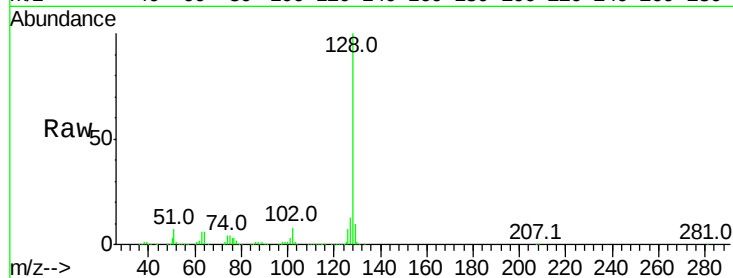
Tgt Ion:128 Resp: 1811121

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

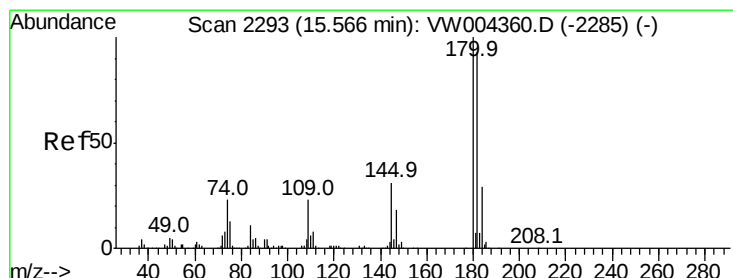
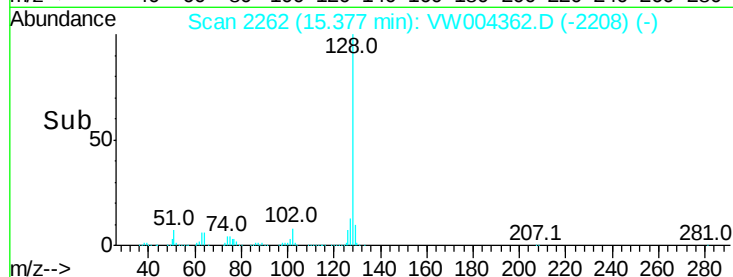
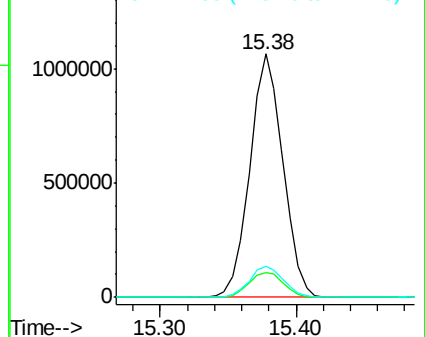
127 13.2 10.4 15.6



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: 107.000 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004362.D

Acq: 31 Jul 2018 17:03

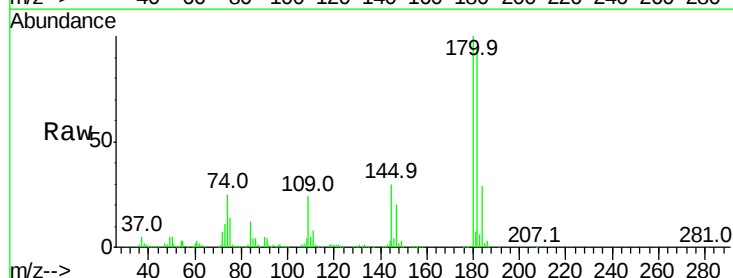
Tgt Ion:180 Resp: 693895

Ion Ratio Lower Upper

180 100

182 95.3 77.0 115.4

145 31.7 25.4 38.0



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

