

Data File : VW009663.D
Acq On : 03 Apr 2019 14:15
Operator : SY/VA
Sample : VSTD10014
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10014

Quant Time: Apr 03 14:39:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 03 14:24:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	544026	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	534129	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	269480	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	700587	107.76	ug/L	0.00
7) Chloroethane-d5	2.89	69	646767	85.02	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	1494343	106.35	ug/L	0.00
20) 2-Butanone-d5	7.07	46	517537	192.49	ug/L	0.00
24) Chloroform-d	7.64	84	1502302	101.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	912570	102.04	ug/L	0.00
29) Benzene-d6	8.27	84	2849797	96.74	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	873922	98.78	ug/L	0.00
37) Toluene-d8	10.32	98	2721146	99.91	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	450204	101.32	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	415832	194.06	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	831212	95.40	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	974441	94.30	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	754262	105.245	ug/L	94
3) Chloromethane	2.22	50	814040	107.060	ug/L	100
5) Vinyl chloride	2.37	62	947448	121.060	ug/L	97
6) Bromomethane	2.78	94	639195	97.486	ug/L	100
8) Chloroethane	2.92	64	619010	95.600	ug/L	100
9) Trichlorofluoromethane	3.25	101	660869	106.902	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	712091	99.742	ug/L	98
12) 1,1-Dichloroethene	4.04	96	716174	106.904	ug/L	91
13) Acetone	4.12	43	420281	190.621	ug/L	100
14) Carbon disulfide	4.38	76	2190642	121.502	ug/L	99
15) Methyl Acetate	4.66	43	443194	102.321	ug/L	99
16) Methylene chloride	4.92	84	739235	93.180	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	1083911	114.349	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	758160	107.641	ug/L	97
19) 1,1-Dichloroethane	6.21	63	1450640	112.956	ug/L	98
21) 2-Butanone	7.16	43	657702	216.044	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	855538	112.128	ug/L	98
23) Bromochloromethane	7.51	128	379855	103.798	ug/L	95
25) Chloroform	7.67	83	1497498	111.345	ug/L	99
27) 1,2-Dichloroethane	8.40	62	1146160	114.303	ug/L	98
30) Cyclohexane	7.95	56	1351452	111.409	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	1159402	108.682	ug/L	99
32) Carbon tetrachloride	8.06	117	1189410	110.507	ug/L	98
34) Benzene	8.32	78	3194262	109.260	ug/L	100
35) Trichloroethene	9.09	95	839250	107.733	ug/L	99
36) Methylcyclohexane	9.34	83	1428351	105.980	ug/L	99
40) 1,2-Dichloropropane	9.37	63	817816	109.013	ug/L	99
41) Bromodichloromethane	9.64	83	1150716	110.703	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	1385937	113.428	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	1406831	206.949	ug/L	99

Data File : VW009663.D
Acq On : 03 Apr 2019 14:15
Operator : SY/VA
Sample : VSTD10014
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10014

Quant Time: Apr 03 14:39:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 03 14:24:12 2019
Response via : Initial Calibration

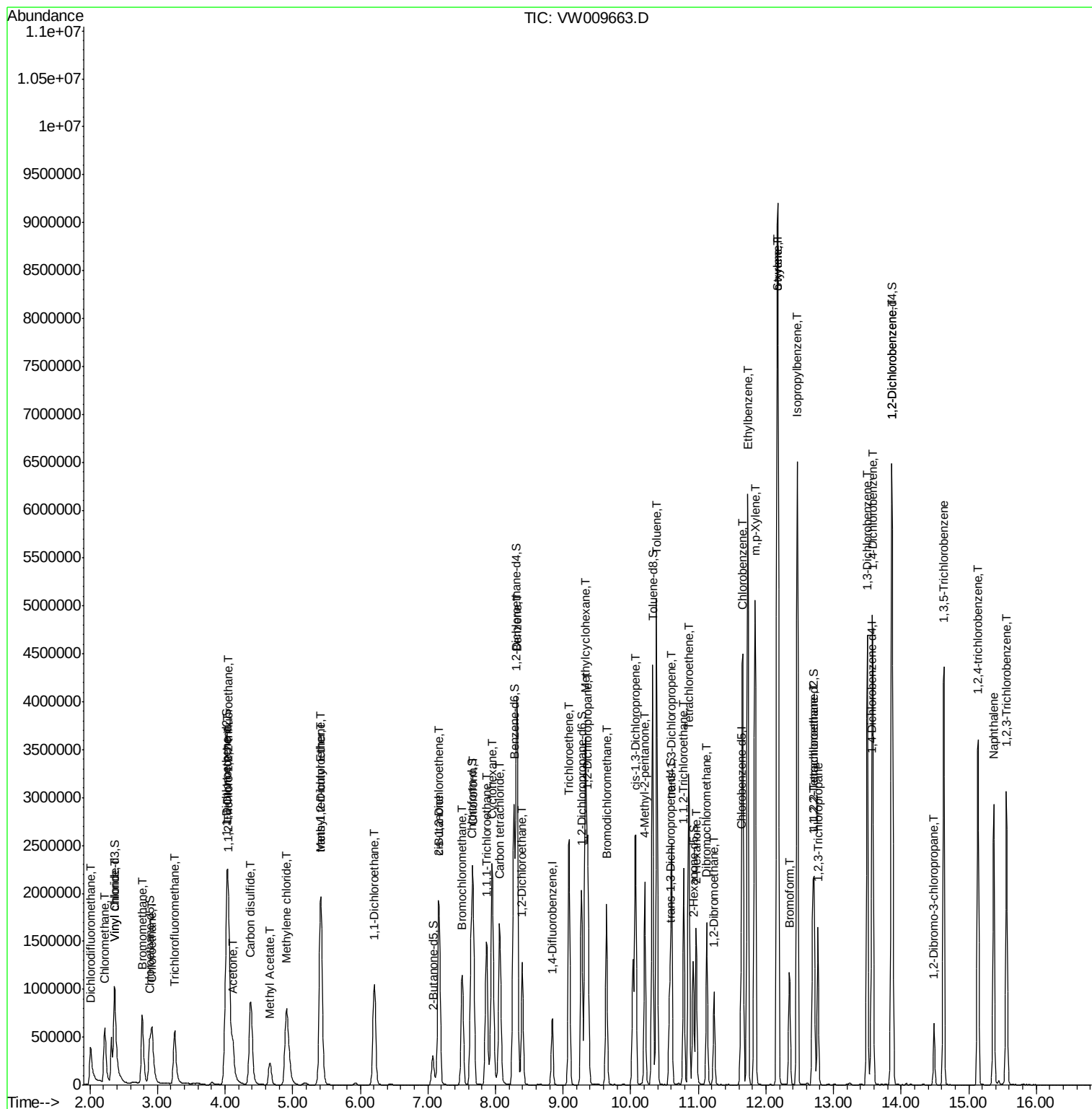
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	3525945	110.308	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	1221113	114.885	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	631245	105.471	ug/L	95
47) Tetrachloroethene	10.86	164	650165	98.776	ug/L	97
49) 2-Hexanone	10.97	43	1042127	217.660	ug/L	99
50) Dibromochloromethane	11.13	129	803134	108.704	ug/L	98
51) 1,2-Dibromoethane	11.23	107	633610	104.429	ug/L	99
52) Chlorobenzene	11.66	112	2204259	107.517	ug/L	100
53) Ethylbenzene	11.73	91	4071671	113.300	ug/L	100
54) m,p-Xylene	11.84	106	1528824	111.976	ug/L	100
55) o-xylene	12.16	106	1524209	114.434	ug/L	100
56) Styrene	12.18	104	2676241	117.762	ug/L	100
57) Isopropylbenzene	12.46	105	4126757	115.659	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	847163	104.923	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	625405	104.371	ug/L	98
62) Bromoform	12.35	173	505084	110.929	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	1746893	108.769	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1758983	105.932	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	1629657	106.399	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	154159	102.697	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	1244627	99.355	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	1054904	100.252	ug/L	99
69) Naphthalene	15.37	128	2343269	107.412	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	964387	97.852	ug/L	99

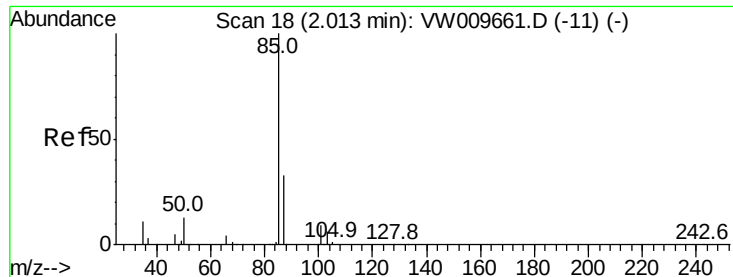
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW009663.D
Acq On : 03 Apr 2019 14:15
Operator : SY/VA
Sample : VSTD10014
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10014

Quant Time: Apr 03 14:39:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 03 14:24:12 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 105.245 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampleId :

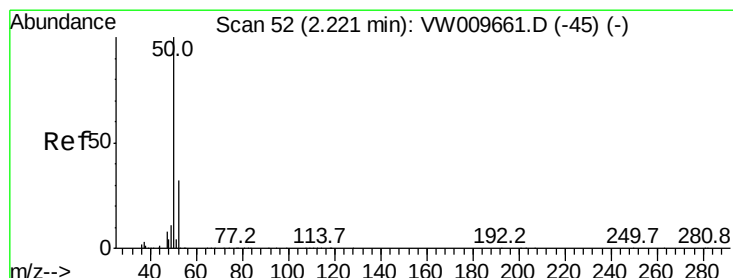
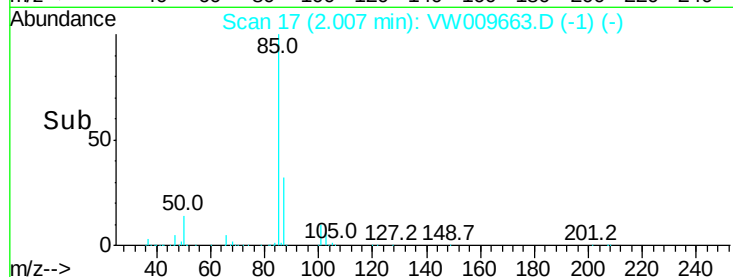
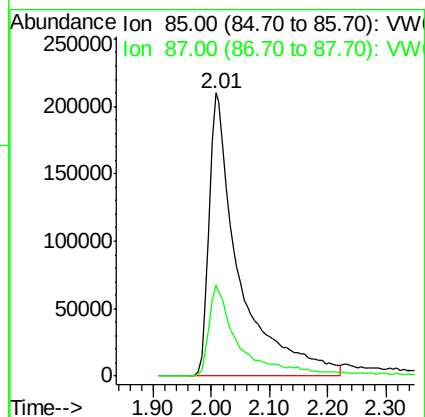
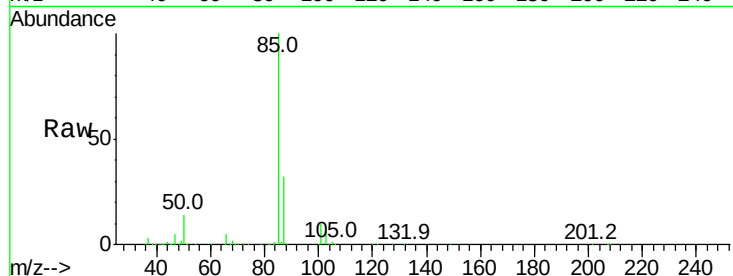
VSTD10014

Tgt Ion: 85 Resp: 754262

Ion Ratio Lower Upper

85 100

87 28.8 18.1 33.5



#3

Chloromethane

Concen: 107.060 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW009663.D

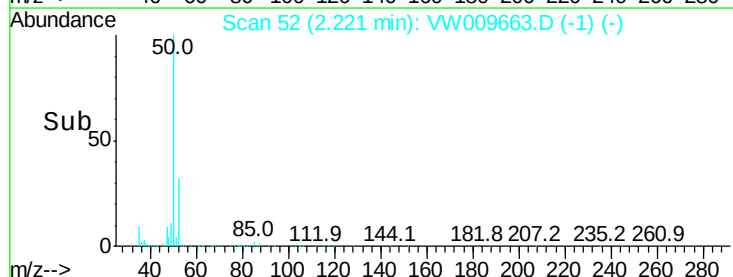
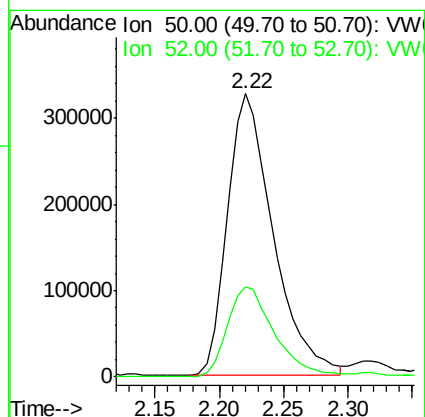
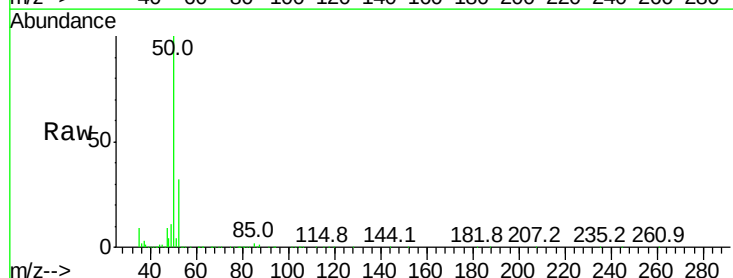
Acq: 03 Apr 2019 14:15

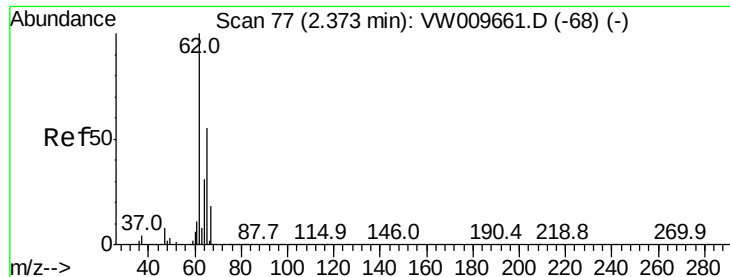
Tgt Ion: 50 Resp: 814040

Ion Ratio Lower Upper

50 100

52 31.9 22.3 41.3





#5

Vinyl chloride

Concen: 121.060 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampleId :

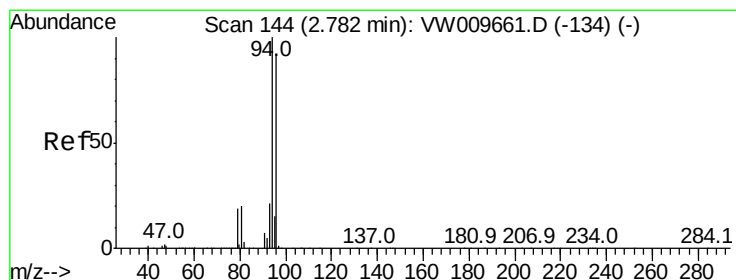
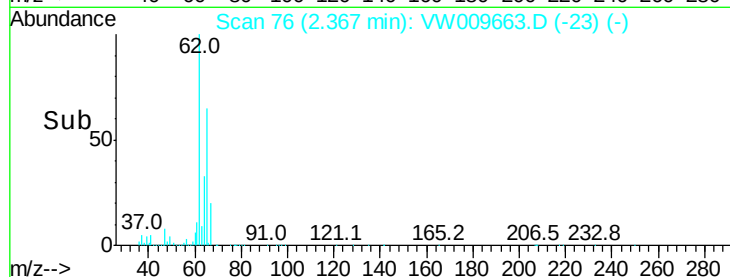
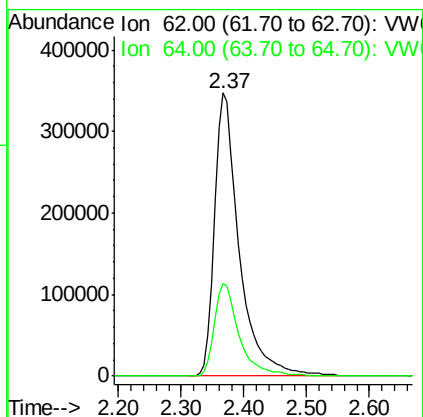
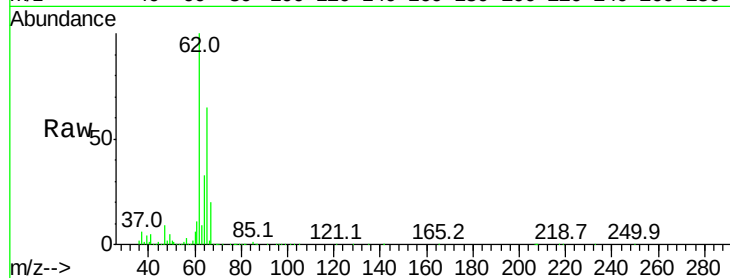
VSTD10014

Tgt Ion: 62 Resp: 947448

Ion Ratio Lower Upper

62 100

64 32.6 21.8 40.6



#6

Bromomethane

Concen: 97.486 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW009663.D

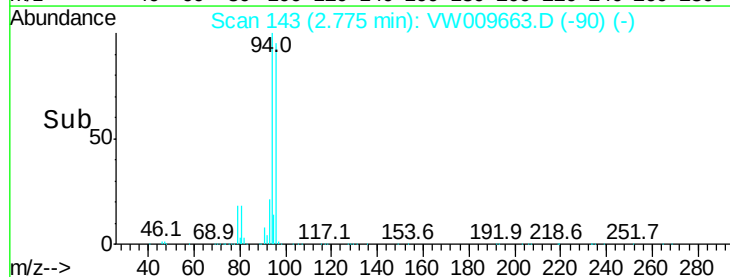
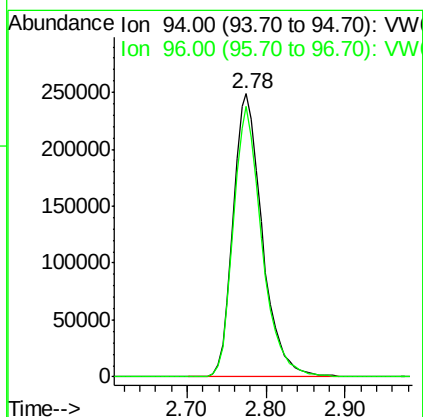
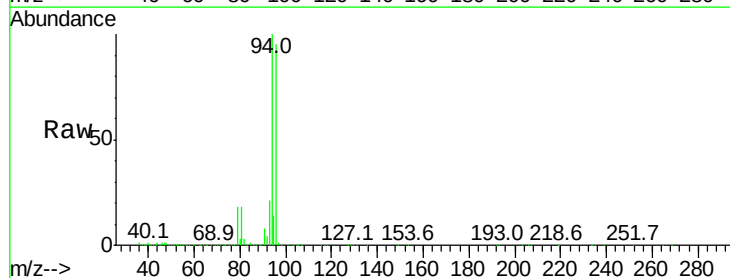
Acq: 03 Apr 2019 14:15

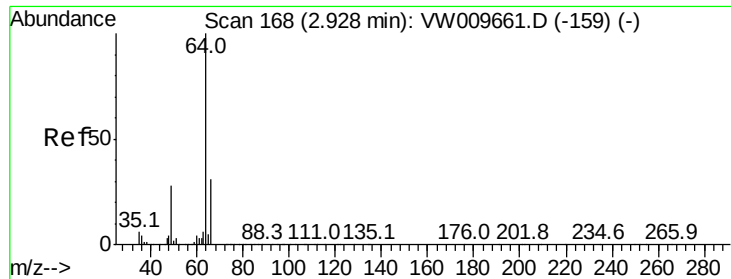
Tgt Ion: 94 Resp: 639195

Ion Ratio Lower Upper

94 100

96 93.4 9.3 177.3





#8

Chloroethane

Concen: 95.600 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampleId :

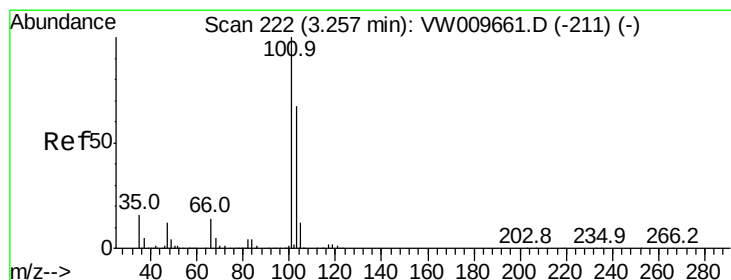
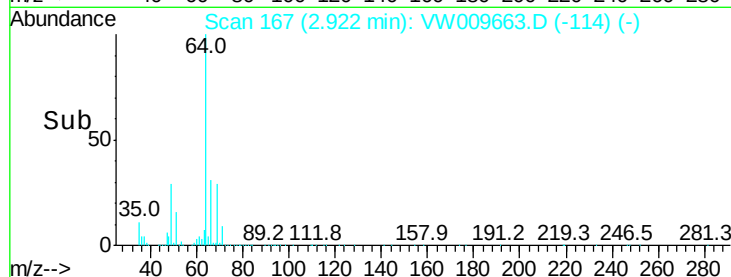
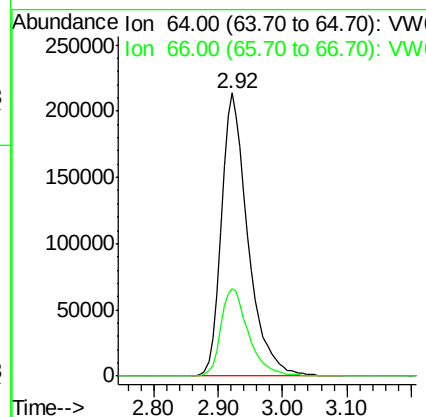
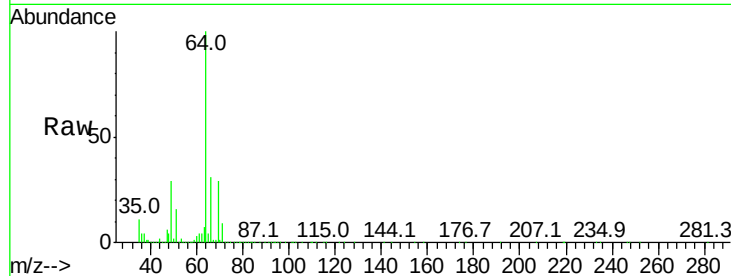
VSTD10014

Tgt Ion: 64 Resp: 619010

Ion Ratio Lower Upper

64 100

66 31.1 21.6 40.2



#9

Trichlorofluoromethane

Concen: 106.902 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW009663.D

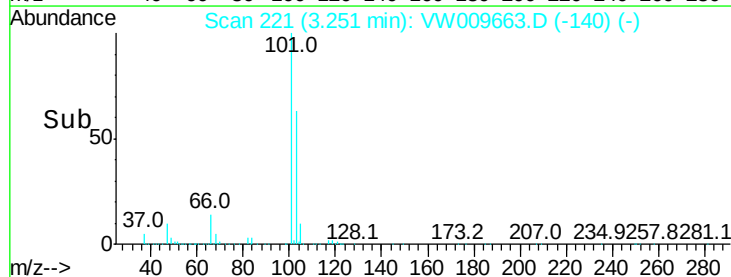
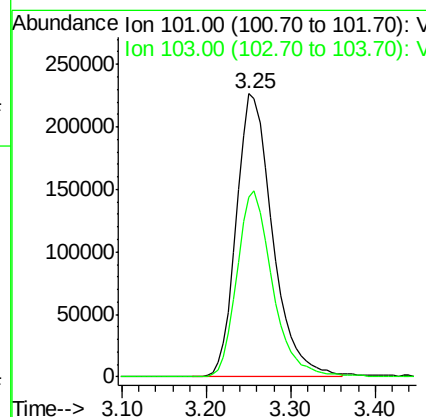
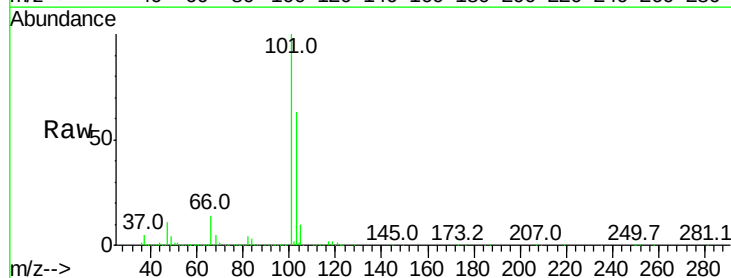
Acq: 03 Apr 2019 14:15

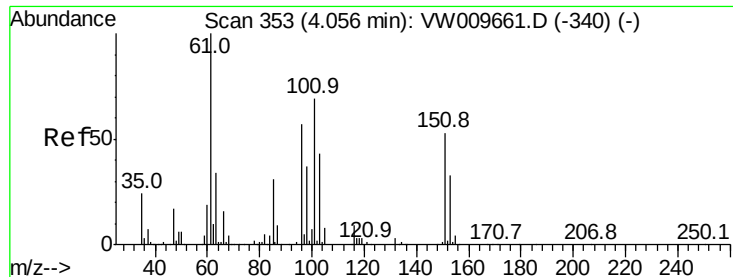
Tgt Ion: 101 Resp: 660869

Ion Ratio Lower Upper

101 100

103 64.6 45.1 83.7





#11

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

Concen: 99.742 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampled :

VSTD10014

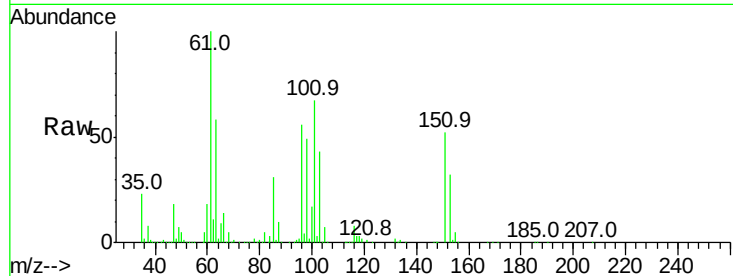
Tgt Ion:101 Resp: 712091

Ion Ratio Lower Upper

101 100

85 46.5 37.8 56.6

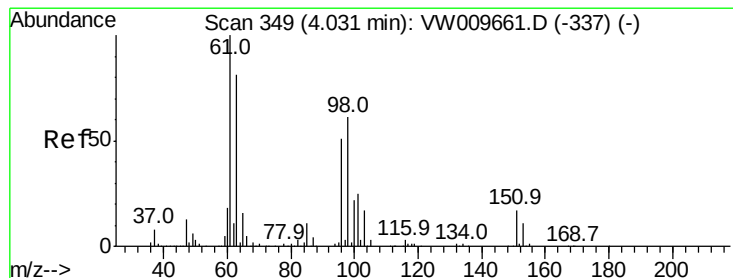
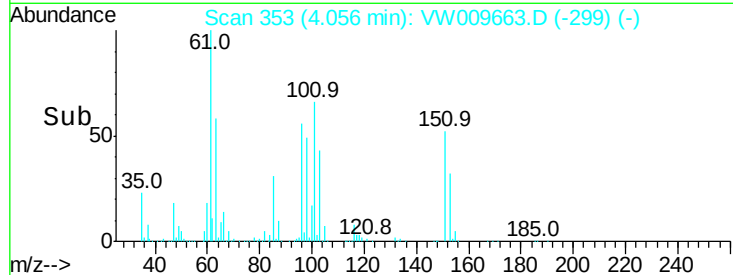
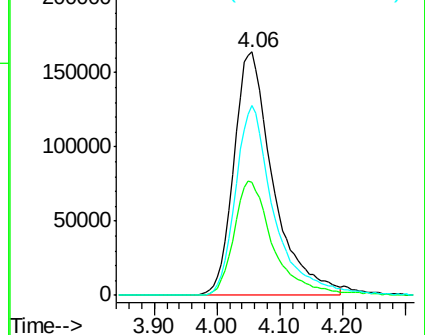
151 74.2 60.6 91.0



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: 106.904 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

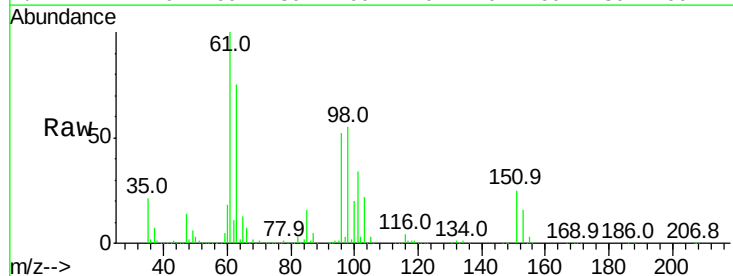
Tgt Ion: 96 Resp: 716174

Ion Ratio Lower Upper

96 100

61 191.3 138.8 257.8

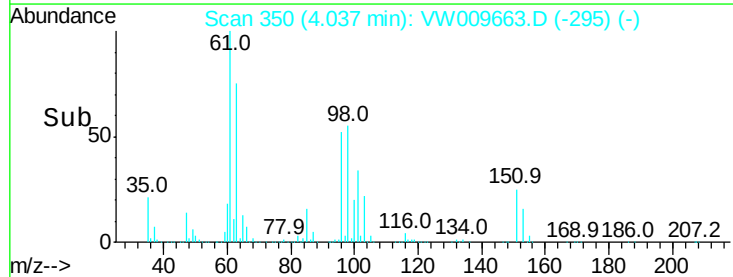
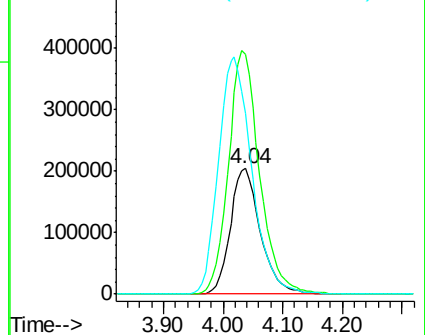
63 143.7 114.6 212.8

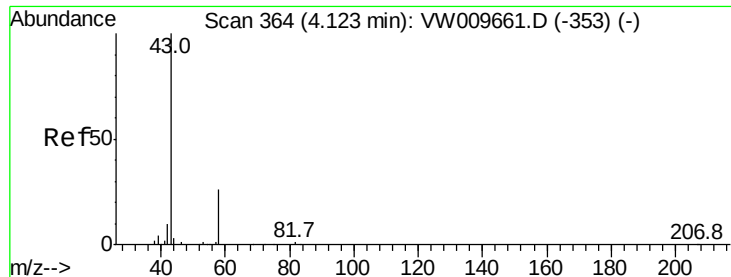


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 190.621 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampleId :

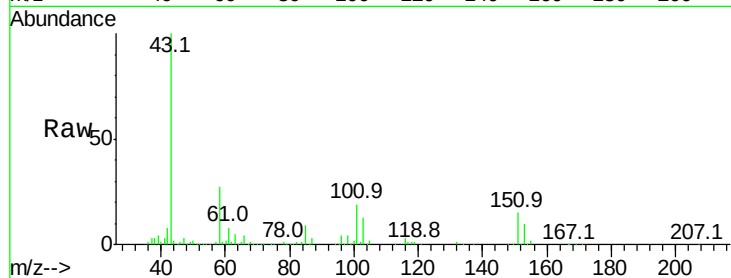
VSTD10014

Tgt Ion: 43 Resp: 420281

Ion Ratio Lower Upper

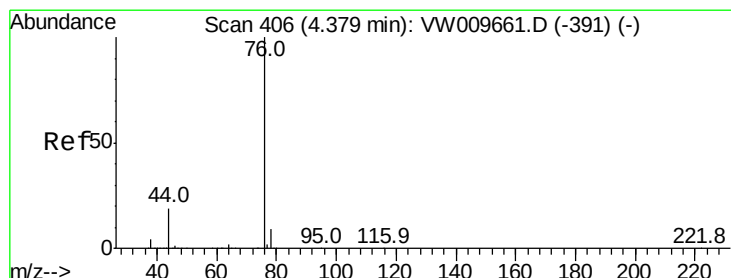
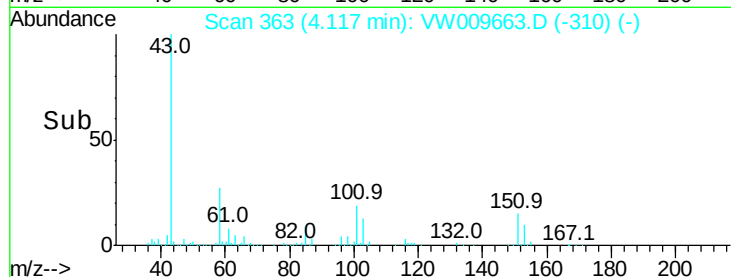
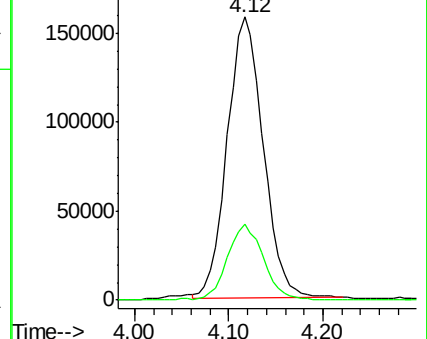
43 100

58 26.5 0.0 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 121.502 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW009663.D

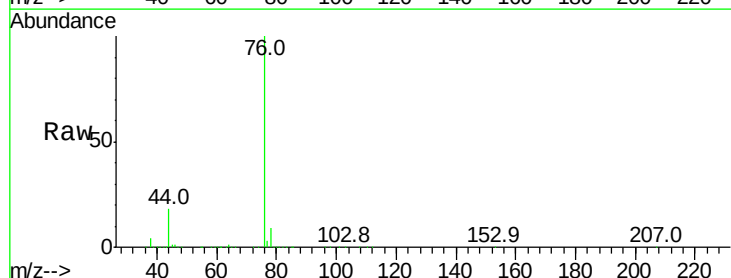
Acq: 03 Apr 2019 14:15

Tgt Ion: 76 Resp: 2190642

Ion Ratio Lower Upper

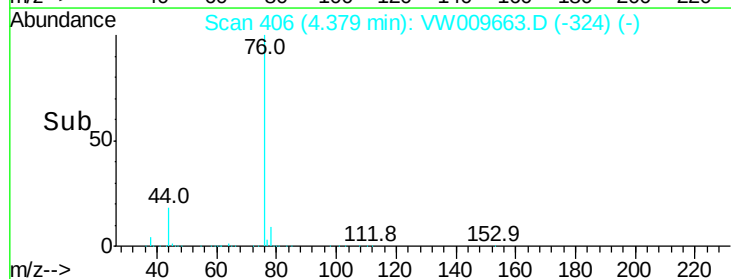
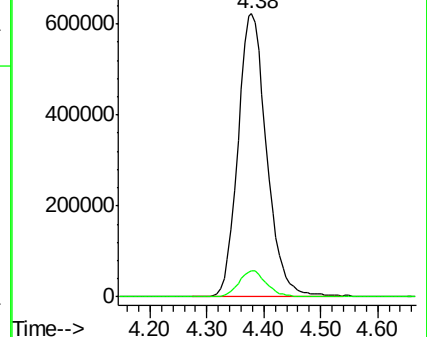
76 100

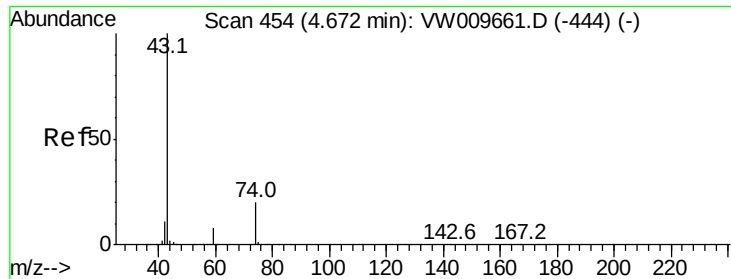
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

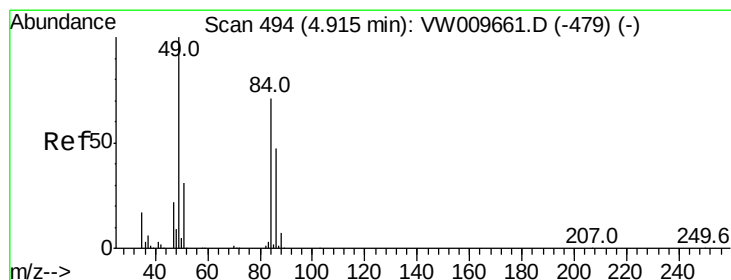
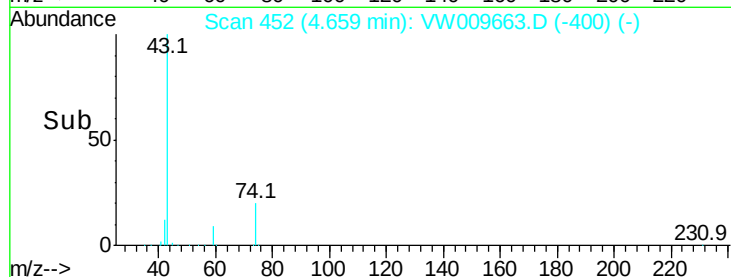
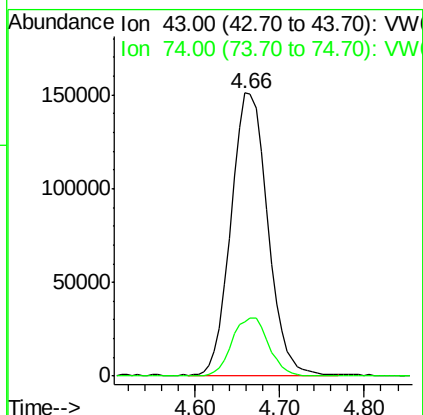
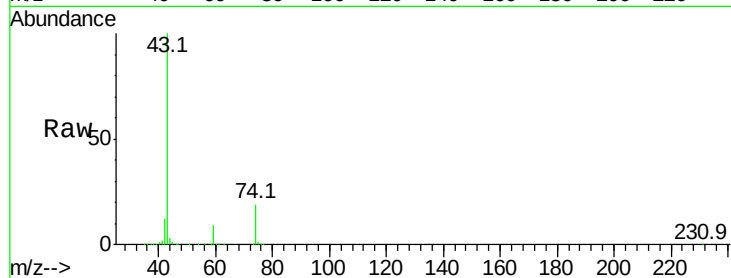




#15
Methyl Acetate
Concen: 102.321 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW009663.D
Acq: 03 Apr 2019 14:15

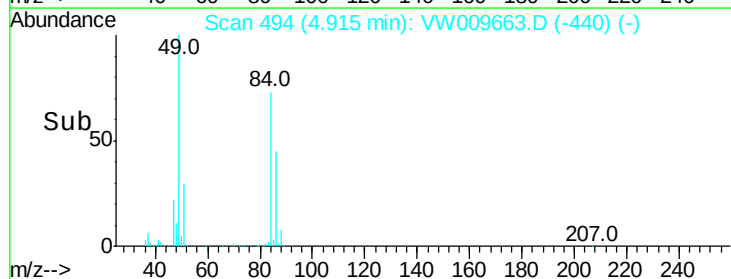
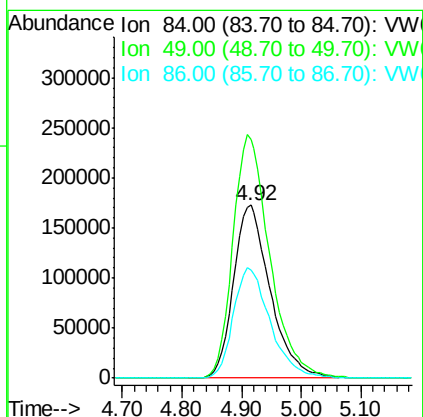
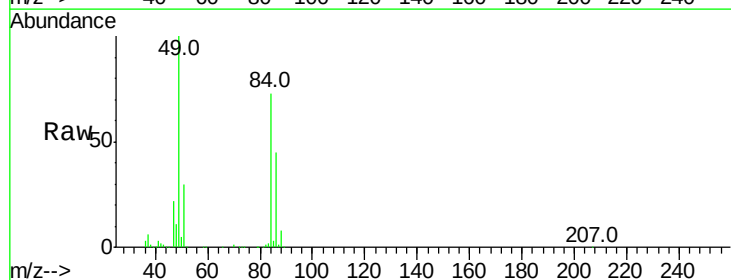
Instrument :
MSVOA_W
ClientSampled :
VSTD10014

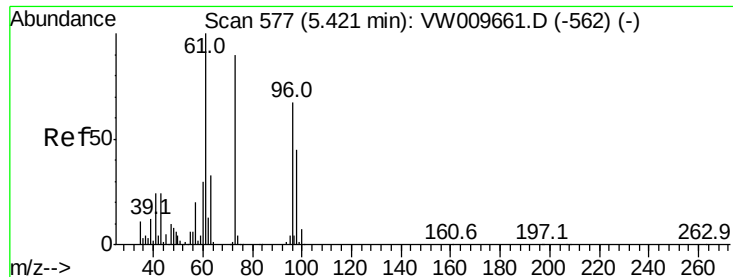
Tgt Ion: 43 Resp: 443194
Ion Ratio Lower Upper
43 100
74 20.9 17.2 25.8



#16
Methylene chloride
Concen: 93.180 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW009663.D
Acq: 03 Apr 2019 14:15

Tgt Ion: 84 Resp: 739235
Ion Ratio Lower Upper
84 100
49 137.8 98.3 182.5
86 62.1 46.4 86.2





#17

Methyl tert-butyl Ether

Concen: 114.349 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

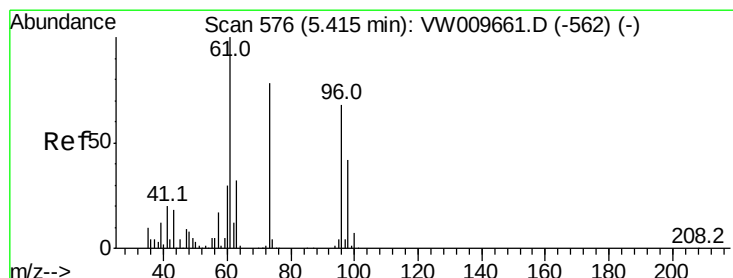
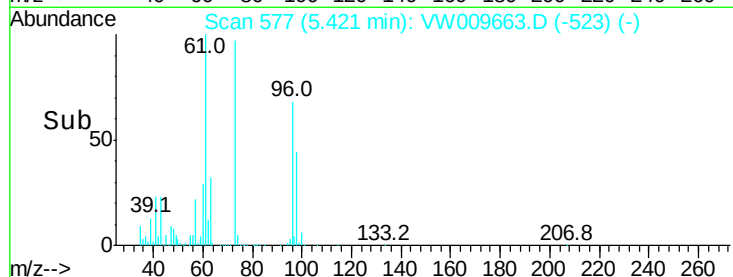
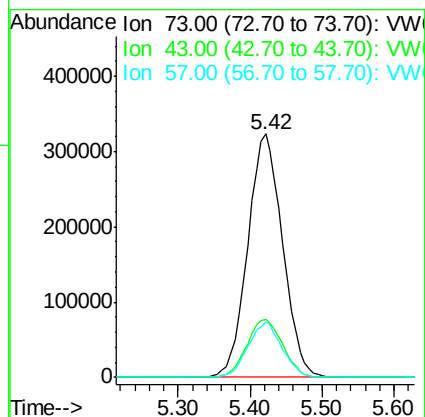
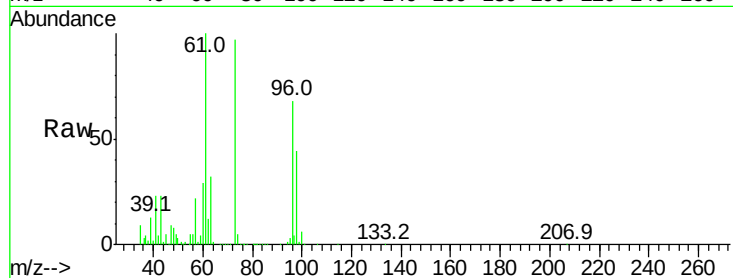
Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :
MSVOA_W
ClientSampled :
VSTD10014

Tgt Ion: 73 Resp: 1083911

Ion	Ratio	Lower	Upper
73	100		
43	24.5	20.2	30.2
57	22.3	17.8	26.8



#18

trans-1,2-Dichloroethene

Concen: 107.641 ug/L

RT: 5.42 min Scan# 576

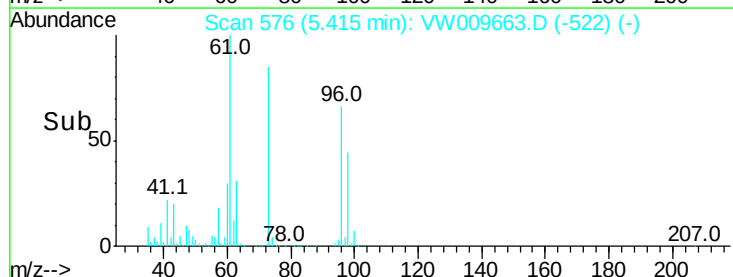
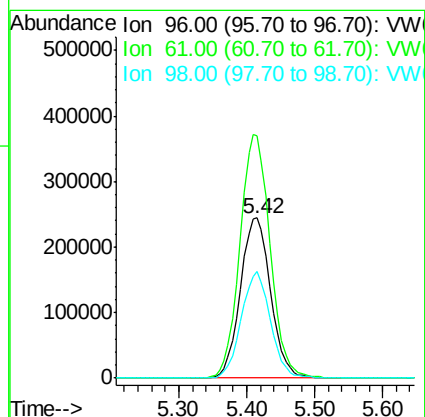
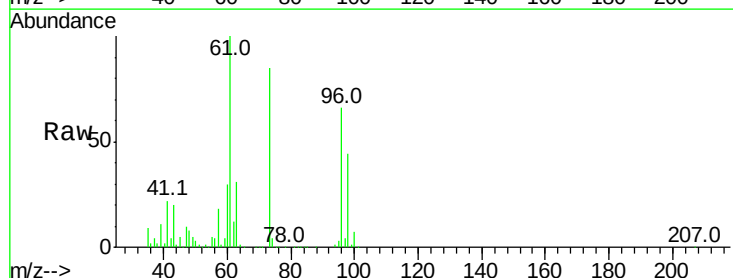
Delta R.T. -0.00 min

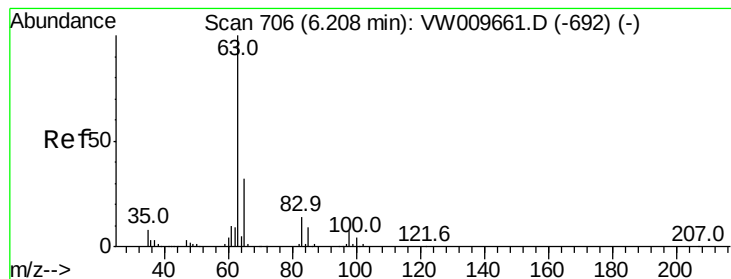
Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Tgt Ion: 96 Resp: 758160

Ion	Ratio	Lower	Upper
96	100		
61	151.3	103.7	192.5
98	66.5	43.7	81.1





#19

1,1-Dichloroethane

Concen: 112.956 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD10014

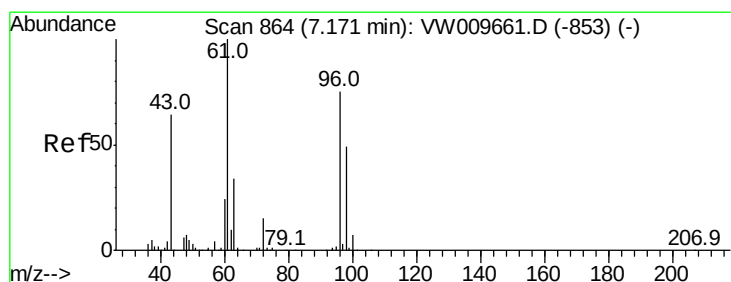
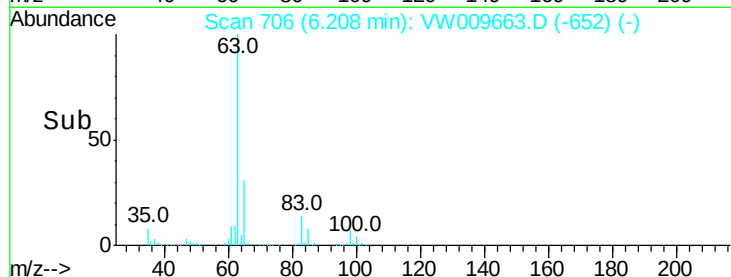
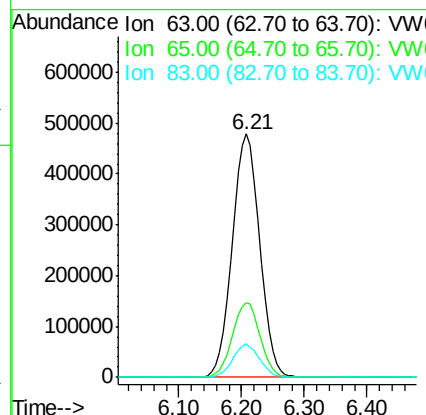
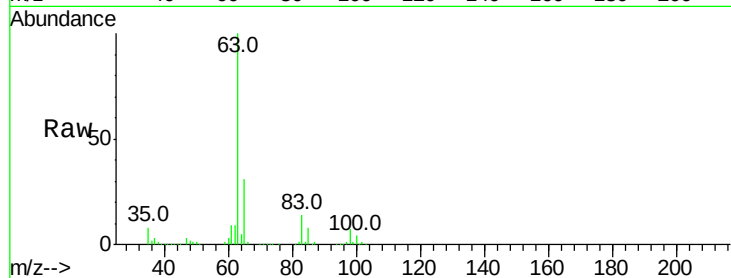
Tgt Ion: 63 Resp: 1450640

Ion Ratio Lower Upper

63 100

65 30.6 22.6 42.0

83 13.6 9.8 18.2



#21

2-Butanone

Concen: 216.044 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW009663.D

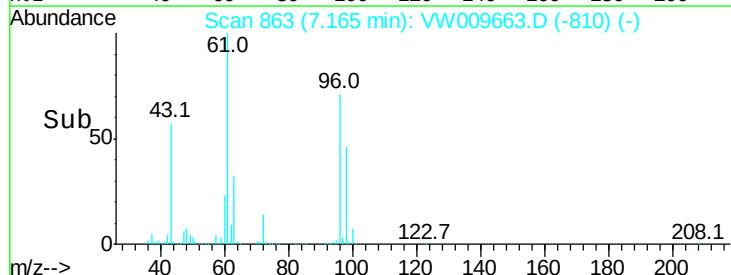
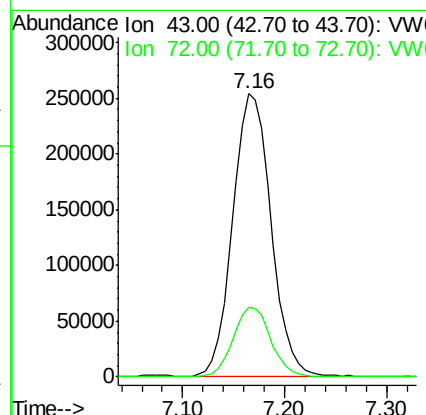
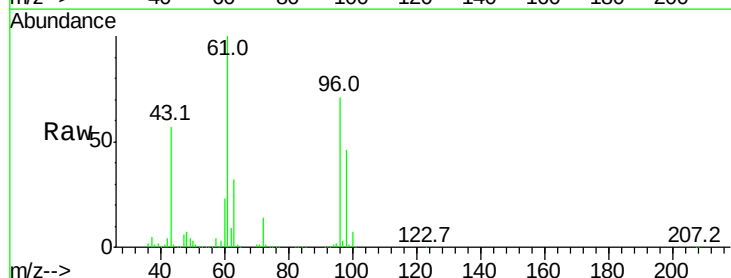
Acq: 03 Apr 2019 14:15

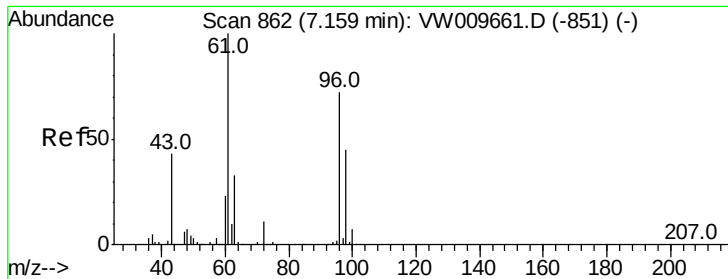
Tgt Ion: 43 Resp: 657702

Ion Ratio Lower Upper

43 100

72 24.4 12.0 36.1



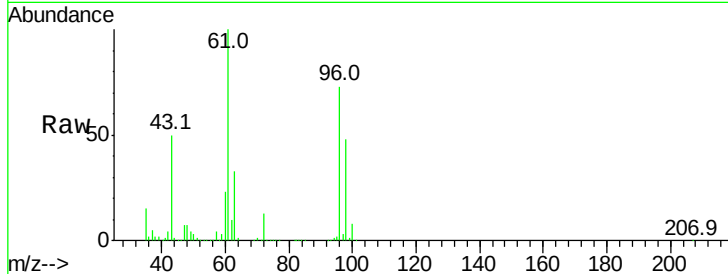


#22

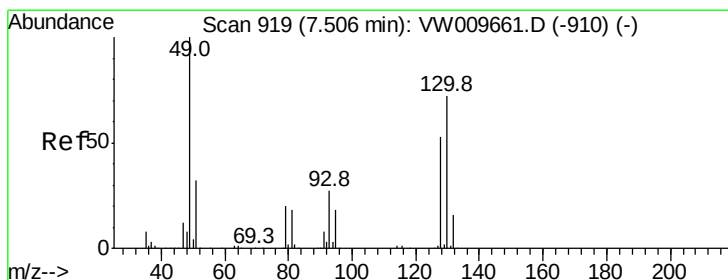
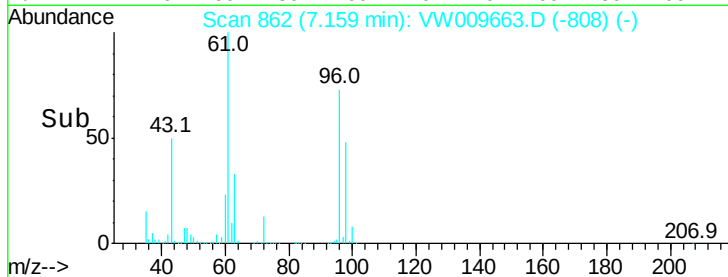
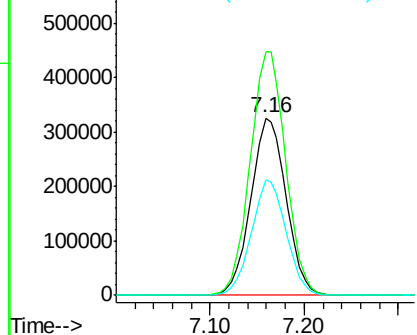
cis-1,2-Dichloroethene
Concen: 112.128 ug/L
RT: 7.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: VW009663.D
Acq: 03 Apr 2019 14:15

Instrument :
MSVOA_W
ClientSampleId :
VSTD10014

Tgt Ion: 96 Resp: 855538
Ion Ratio Lower Upper
96 100
61 137.0 96.8 179.8
98 65.1 43.5 80.9



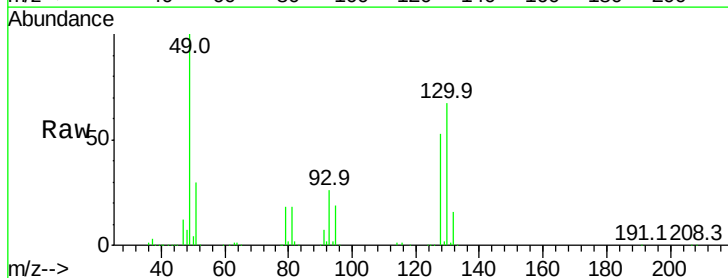
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



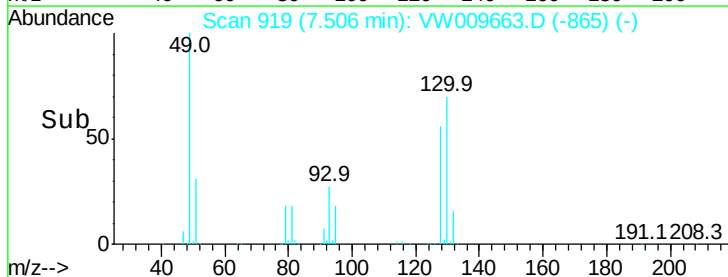
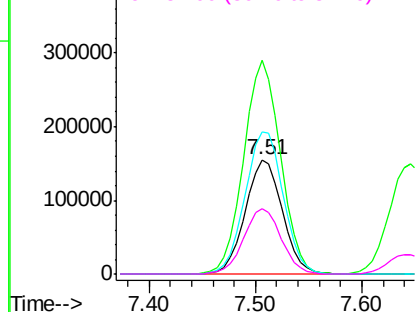
#23

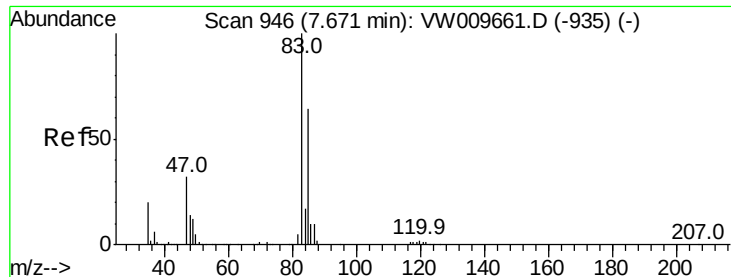
Bromochloromethane
Concen: 103.798 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW009663.D
Acq: 03 Apr 2019 14:15

Tgt Ion: 128 Resp: 379855
Ion Ratio Lower Upper
128 100
49 187.3 132.6 246.2
130 125.2 95.5 177.4
51 56.7 48.6 73.0



Abundance Ion 128.00 (127.70 to 128.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): VW
Ion 51.00 (50.70 to 51.70): VW

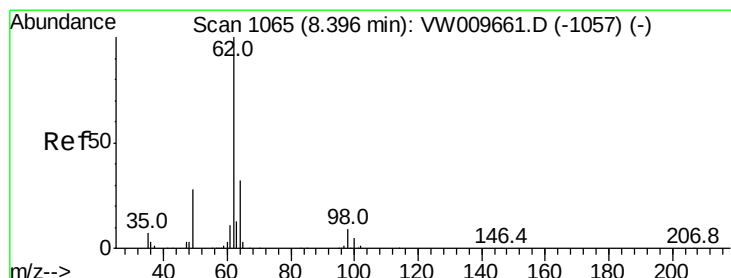
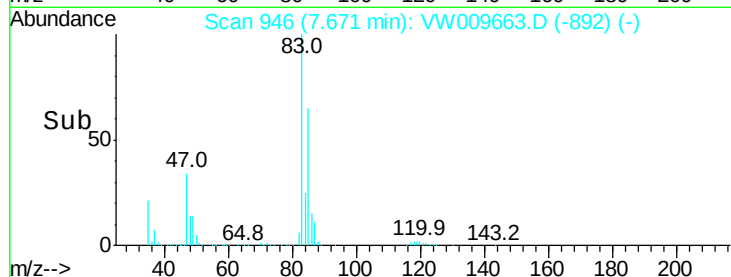
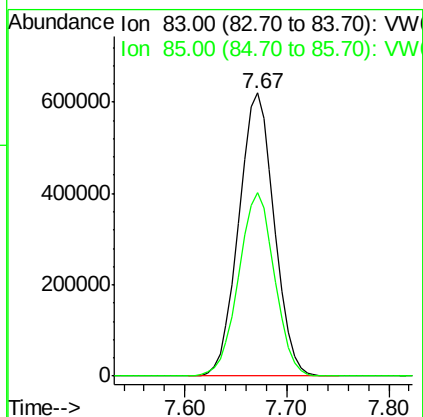
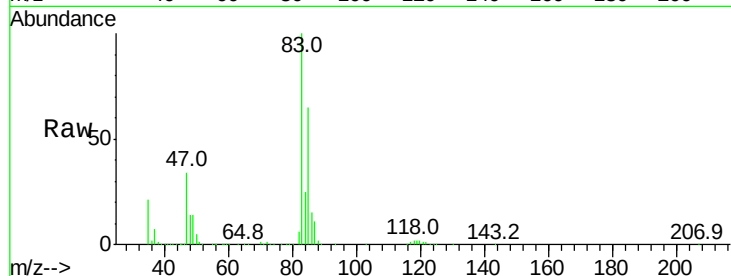




#25
Chloroform
Concen: 111.345 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009663.D
Acq: 03 Apr 2019 14:15

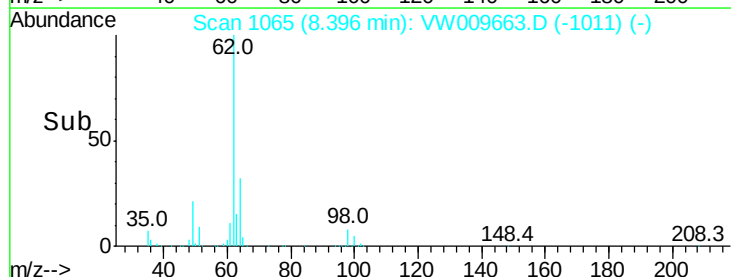
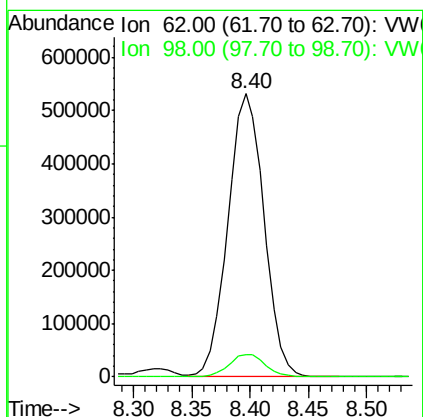
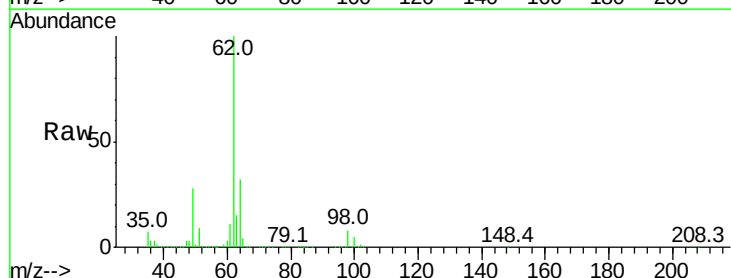
Instrument :
MSVOA_W
ClientSampleId :
VSTD10014

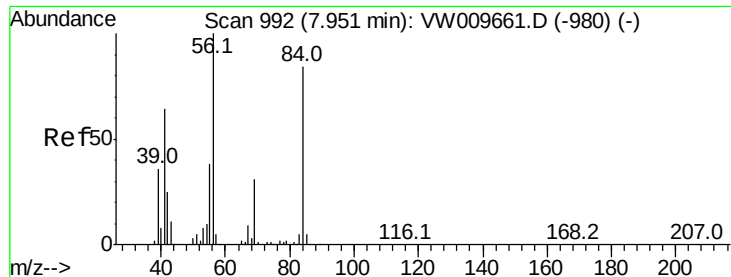
Tgt Ion: 83 Resp: 1497498
Ion Ratio Lower Upper
83 100
85 65.6 45.6 84.8



#27
1,2-Dichloroethane
Concen: 114.303 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW009663.D
Acq: 03 Apr 2019 14:15

Tgt Ion: 62 Resp: 1146160
Ion Ratio Lower Upper
62 100
98 8.0 7.0 10.4

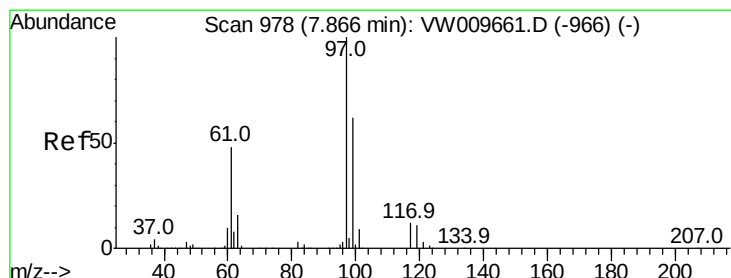
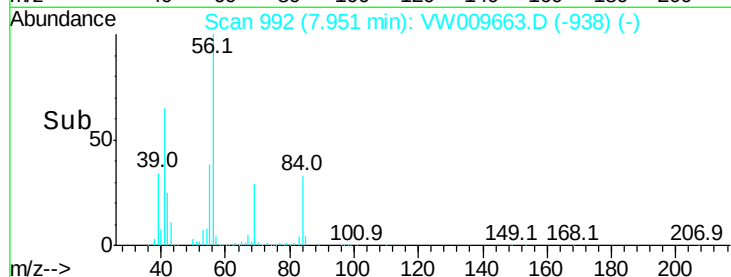
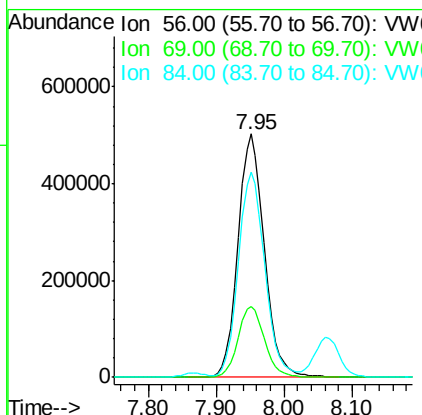
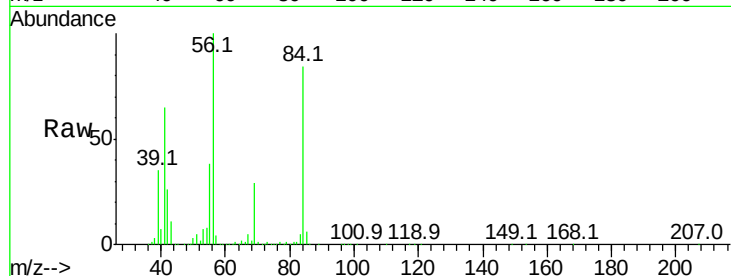




#30
Cyclohexane
Concen: 111.409 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009663.D
Acq: 03 Apr 2019 14:15

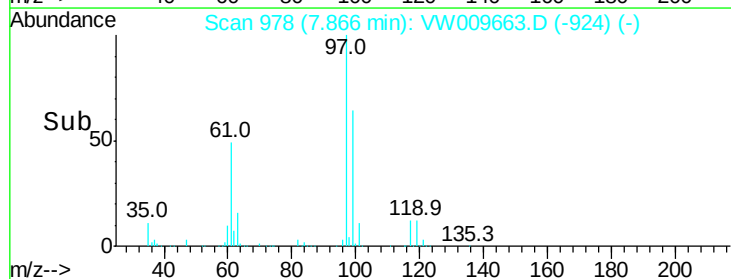
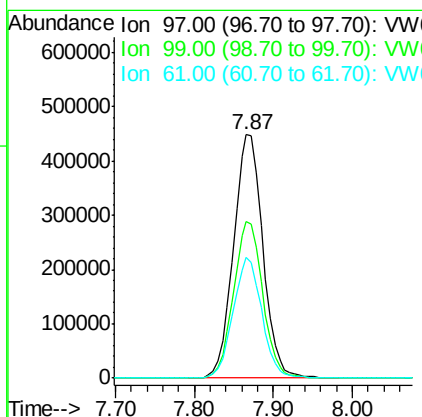
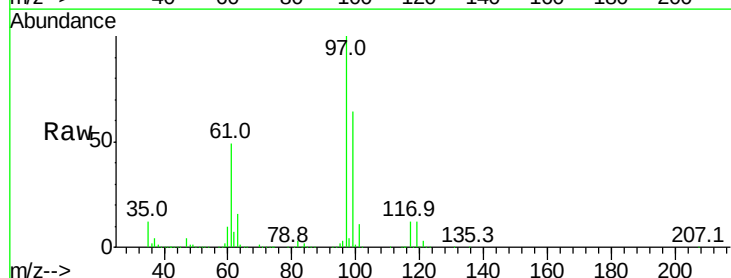
Instrument :
MSVOA_W
ClientSampleId :
VSTD10014

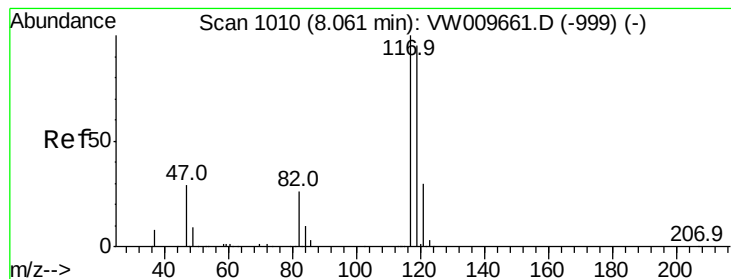
Tgt Ion: 56 Resp: 1351452
Ion Ratio Lower Upper
56 100
69 29.5 23.4 35.2
84 84.8 67.7 101.5



#31
1,1,1-Trichloroethane
Concen: 108.682 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW009663.D
Acq: 03 Apr 2019 14:15

Tgt Ion: 97 Resp: 1159402
Ion Ratio Lower Upper
97 100
99 64.3 50.8 76.2
61 48.6 38.6 57.8





#32

Carbon tetrachloride

Concen: 110.507 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampleId :

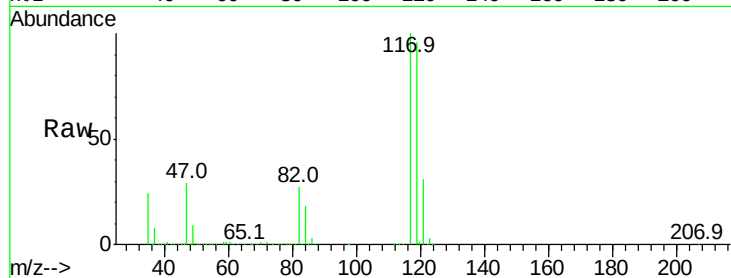
VSTD10014

Tgt Ion:117 Resp: 1189410

Ion Ratio Lower Upper

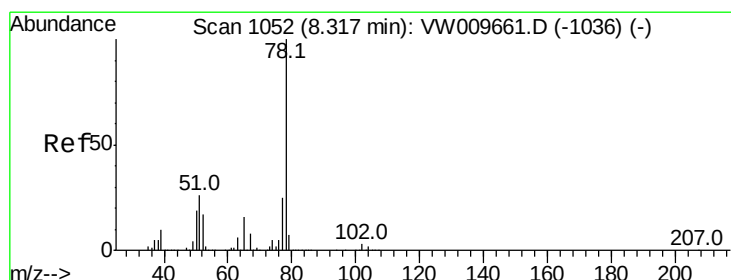
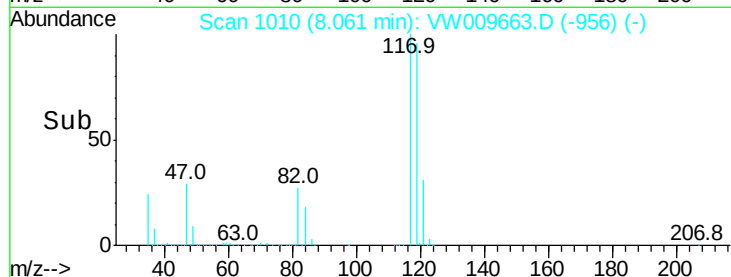
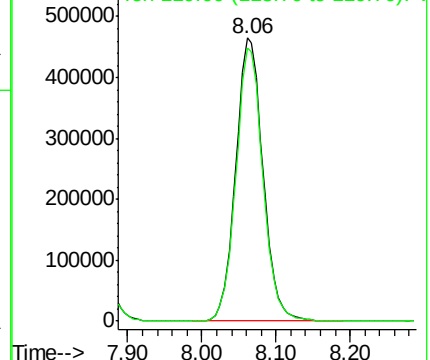
117 100

119 95.8 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 109.260 ug/L

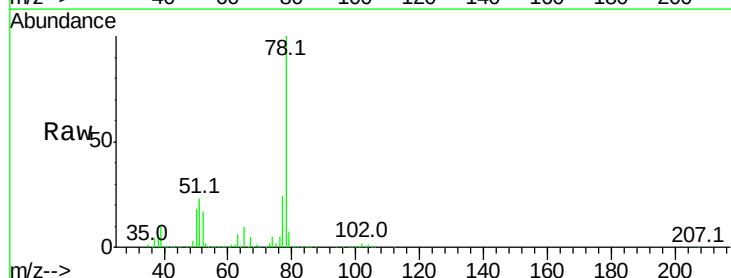
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

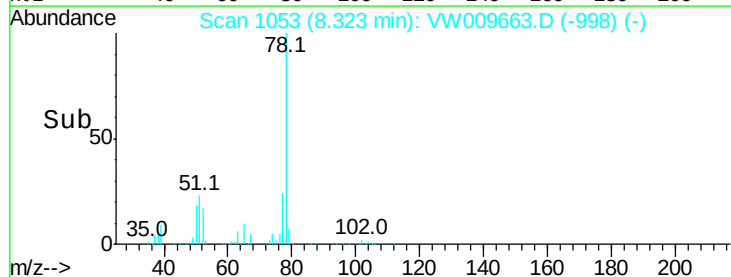
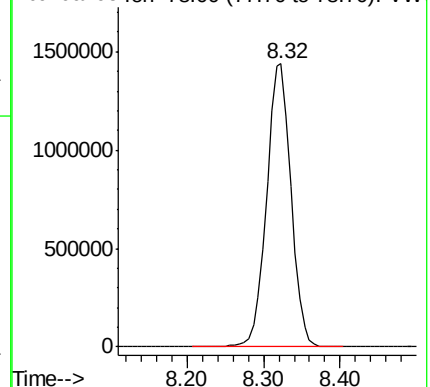
Lab File: VW009663.D

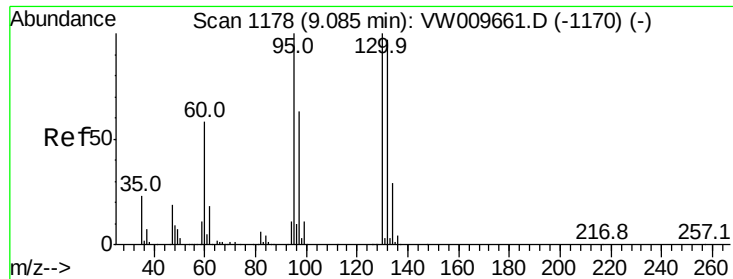
Acq: 03 Apr 2019 14:15

Tgt Ion: 78 Resp: 3194262



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 107.733 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD10014

Tgt Ion: 95 Resp: 839250

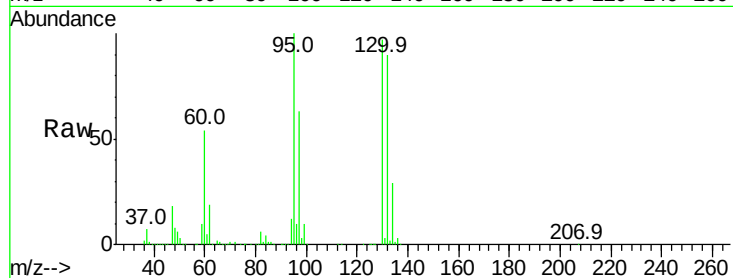
Ion Ratio Lower Upper

95 100

97 64.2 44.9 83.5

132 93.9 67.1 124.7

130 99.2 69.2 128.6

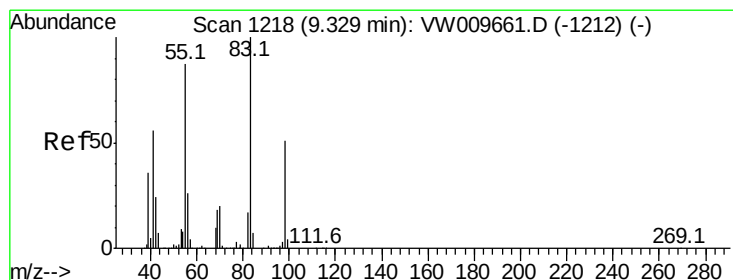
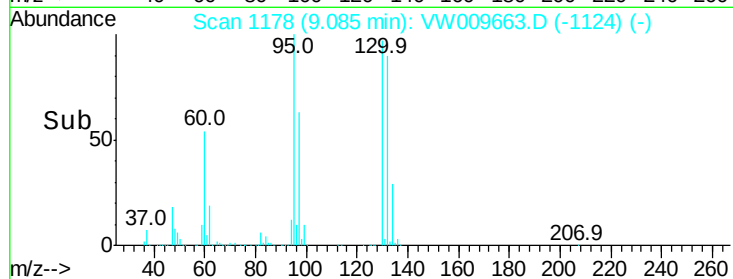
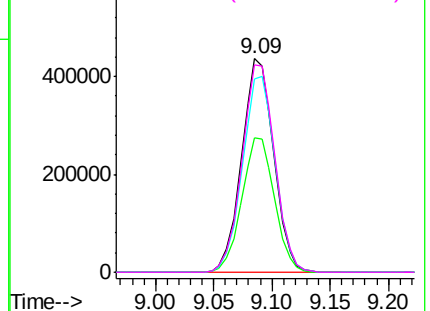


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 105.980 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

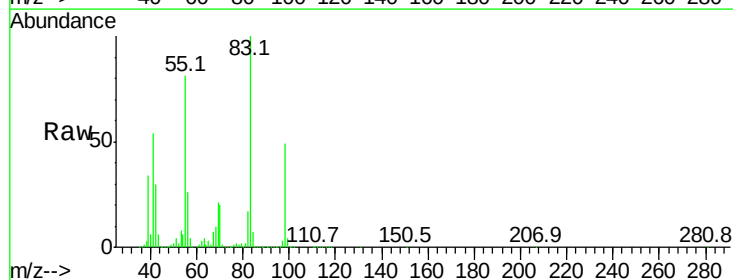
Tgt Ion: 83 Resp: 1428351

Ion Ratio Lower Upper

83 100

55 82.3 66.3 99.5

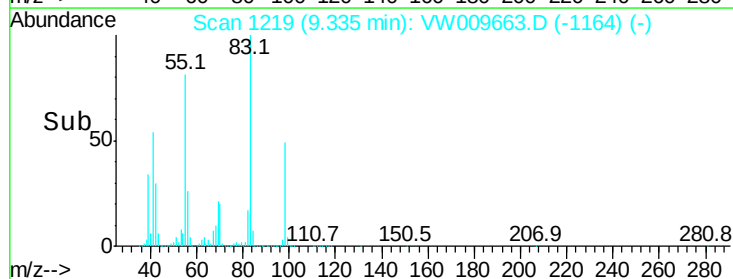
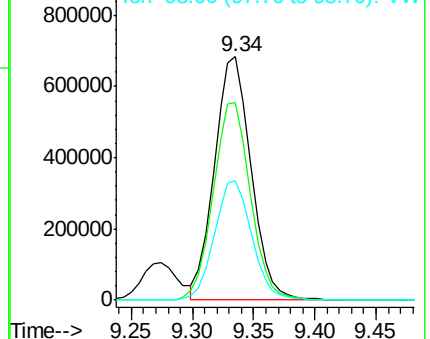
98 49.8 39.4 59.0

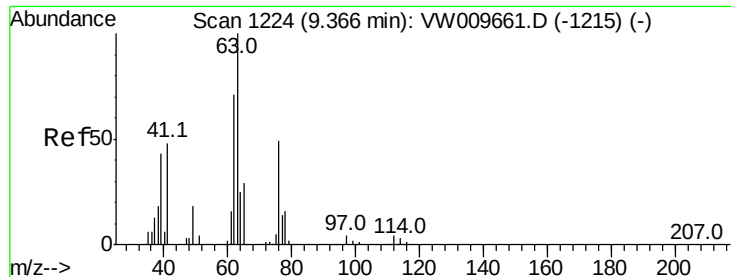


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 109.013 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampleId :

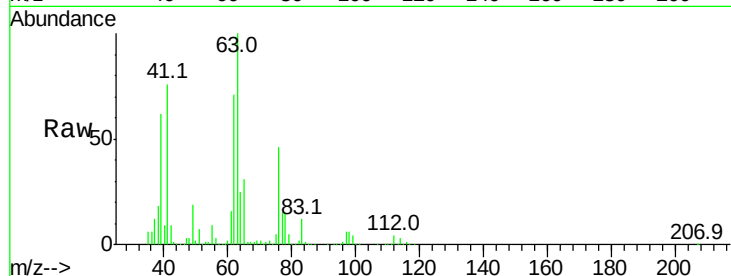
VSTD10014

Tgt Ion: 63 Resp: 817816

Ion Ratio Lower Upper

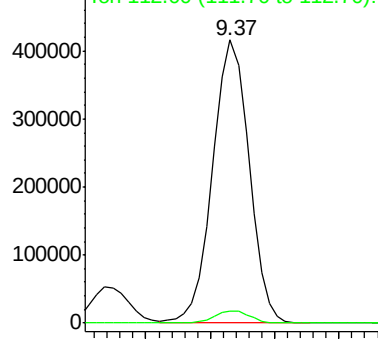
63 100

112 4.4 3.8 5.8

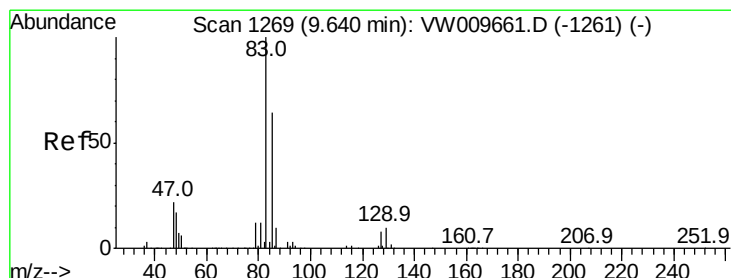
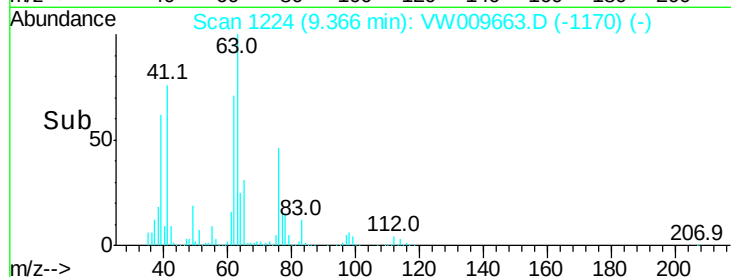


Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



Time-->



#41

Bromodichloromethane

Concen: 110.703 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

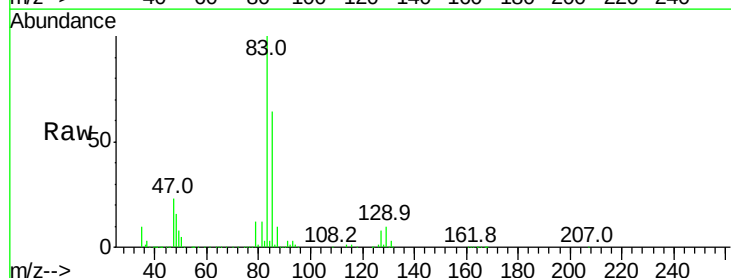
Tgt Ion: 83 Resp: 1150716

Ion Ratio Lower Upper

83 100

85 63.7 45.0 83.6

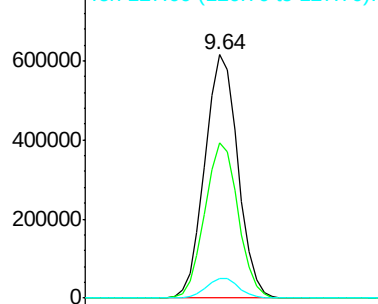
127 8.1 6.7 10.1



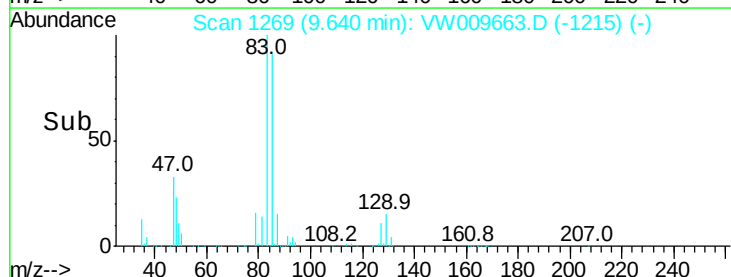
Abundance Ion 83.00 (82.70 to 83.70): VW

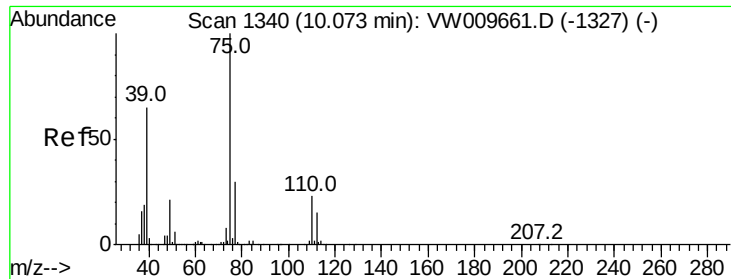
Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V



Time-->





#42

cis-1,3-Dichloropropene

Concen: 113.428 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampleId :

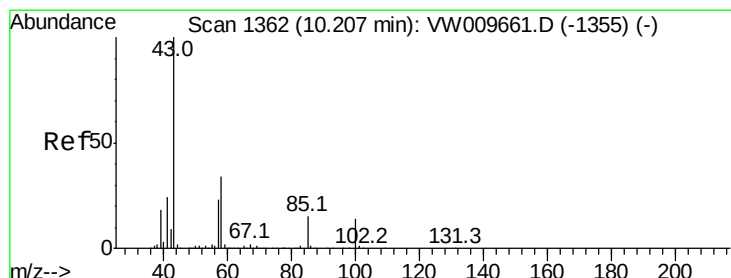
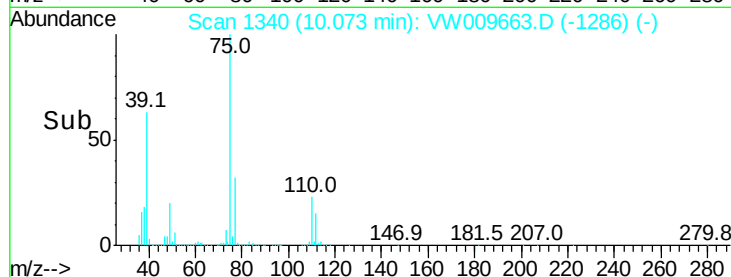
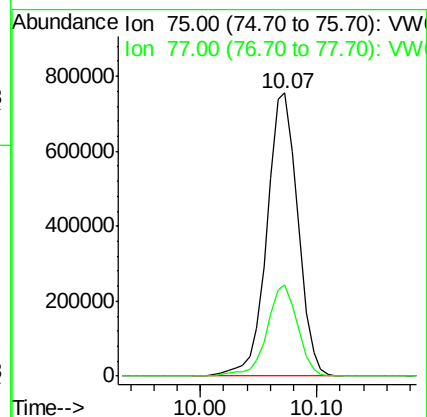
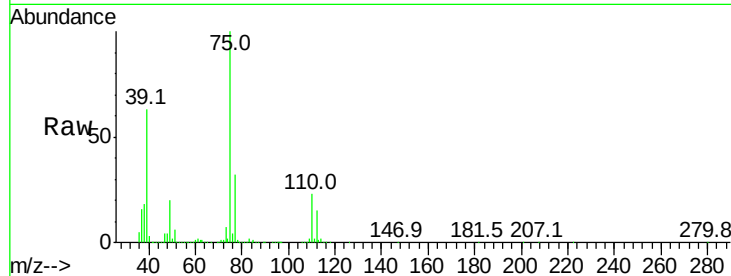
VSTD10014

Tgt Ion: 75 Resp: 1385937

Ion Ratio Lower Upper

75 100

77 32.1 21.0 39.0



#43

4-Methyl-2-pentanone

Concen: 206.949 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

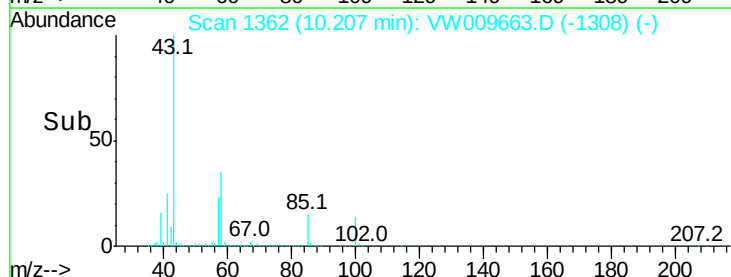
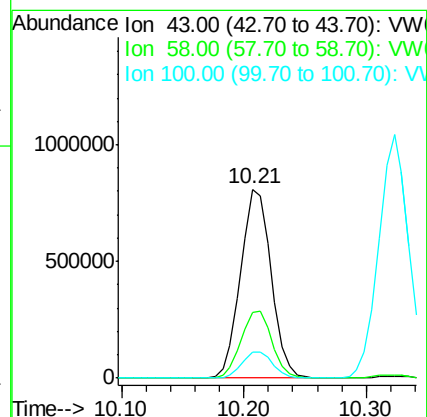
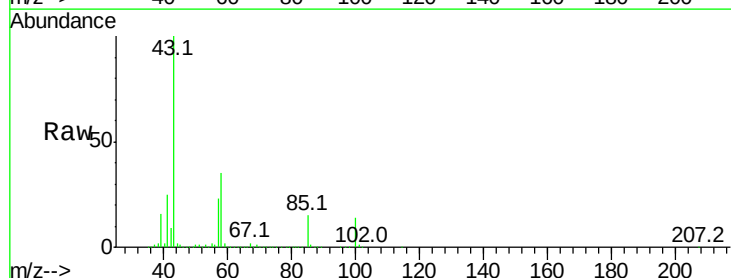
Tgt Ion: 43 Resp: 1406831

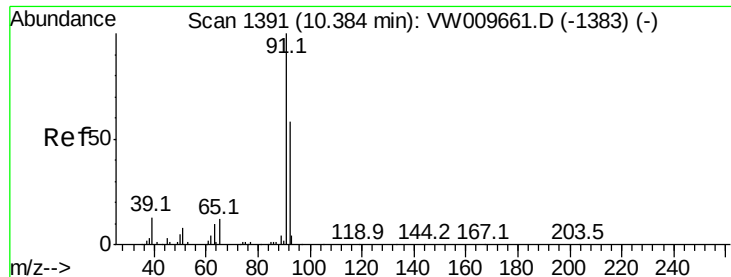
Ion Ratio Lower Upper

43 100

58 35.9 28.2 42.4

100 13.8 10.9 16.3





#44

Toluene

Concen: 110.308 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampleId :

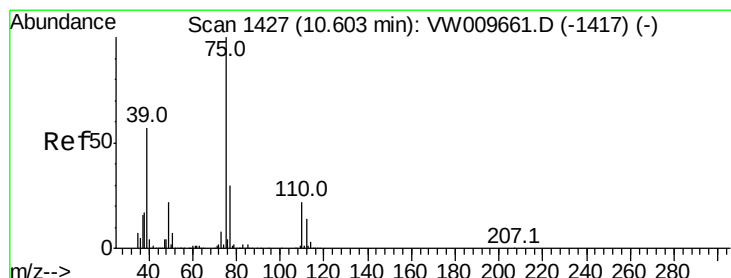
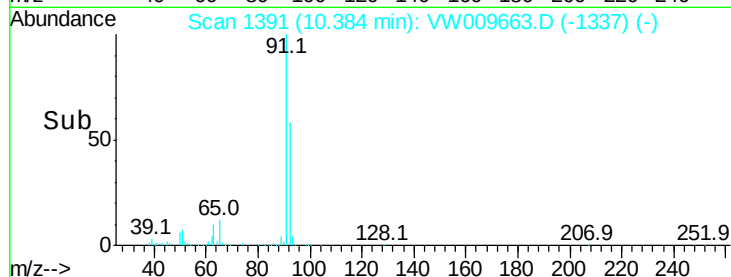
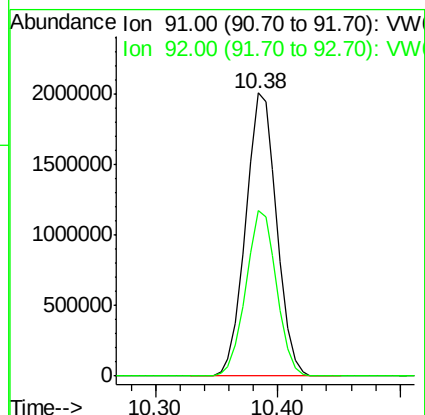
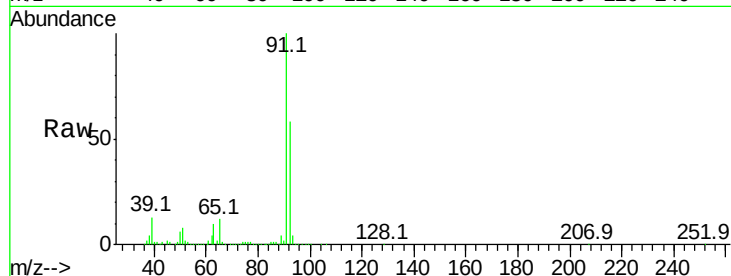
VSTD10014

Tgt Ion: 91 Resp: 3525945

Ion Ratio Lower Upper

91 100

92 58.4 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 114.885 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009663.D

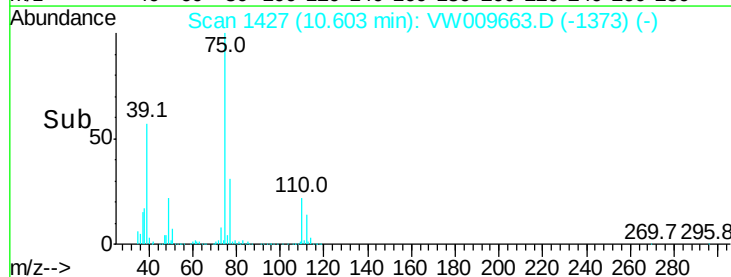
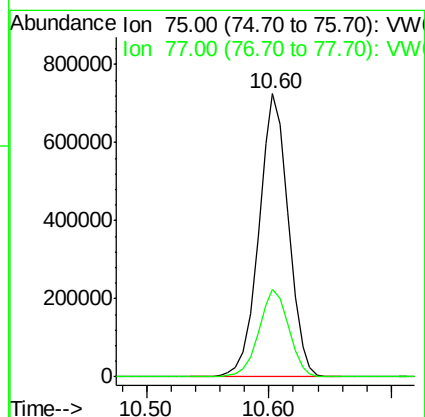
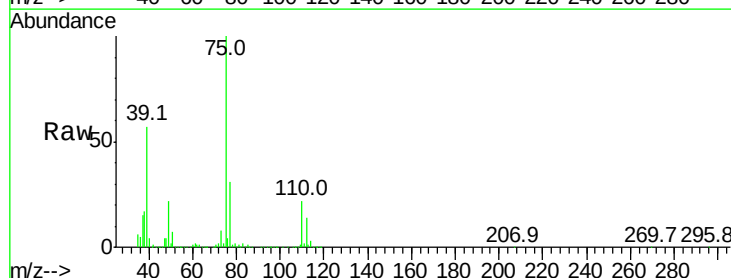
Acq: 03 Apr 2019 14:15

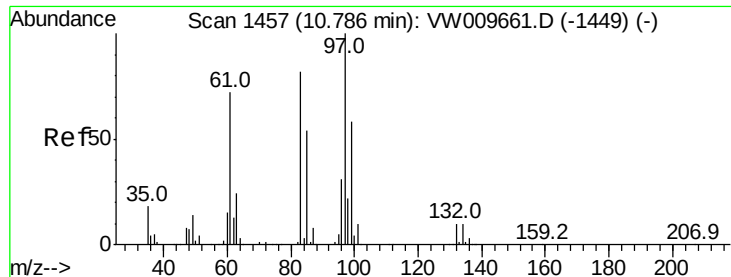
Tgt Ion: 75 Resp: 1221113

Ion Ratio Lower Upper

75 100

77 31.1 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 105.471 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampled :

VSTD10014

Tgt Ion: 97 Resp: 631245

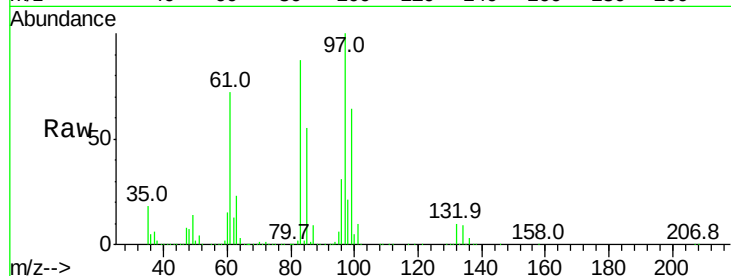
Ion Ratio Lower Upper

97 100

83 87.1 57.3 106.3

85 55.0 38.1 70.7

99 63.5 40.9 75.9



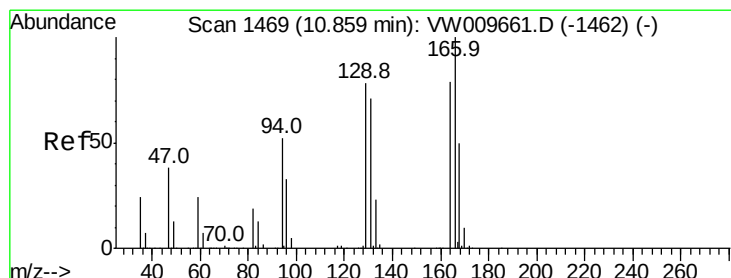
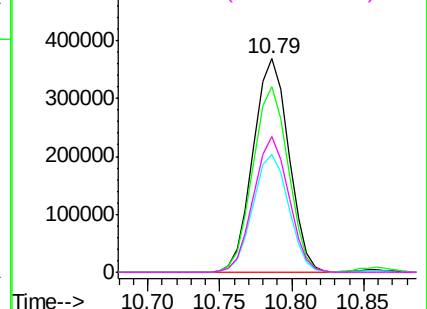
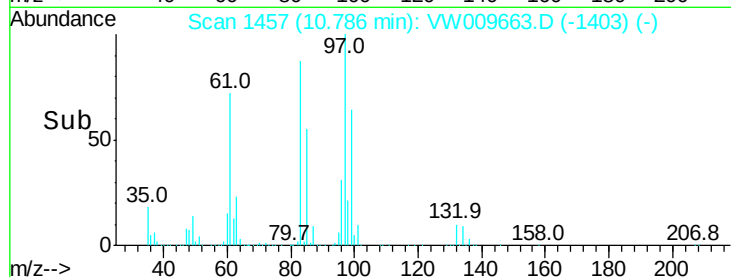
Abundance

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: 98.776 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Tgt Ion: 164 Resp: 650165

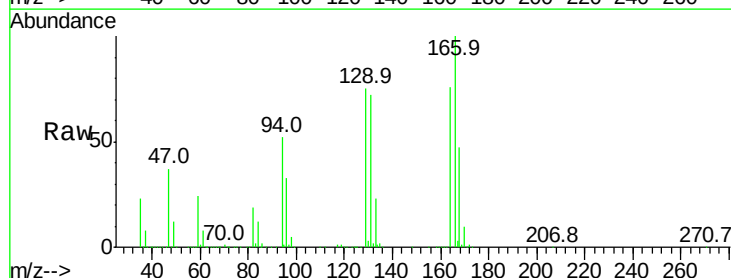
Ion Ratio Lower Upper

164 100

129 98.7 68.9 127.9

131 94.0 63.1 117.1

166 130.9 88.5 164.4



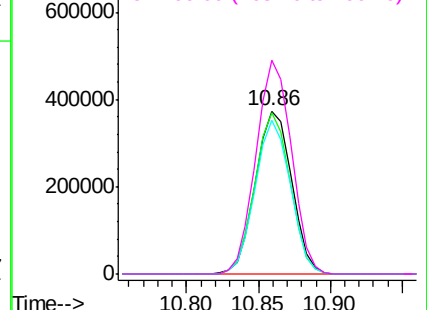
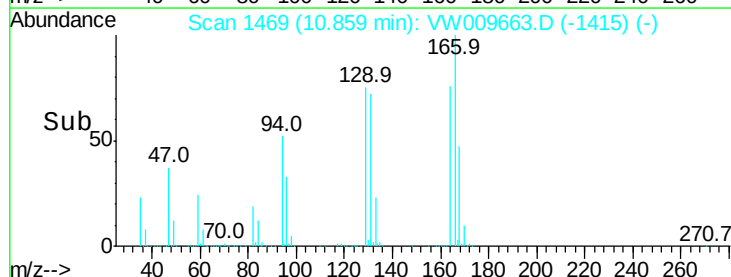
Abundance

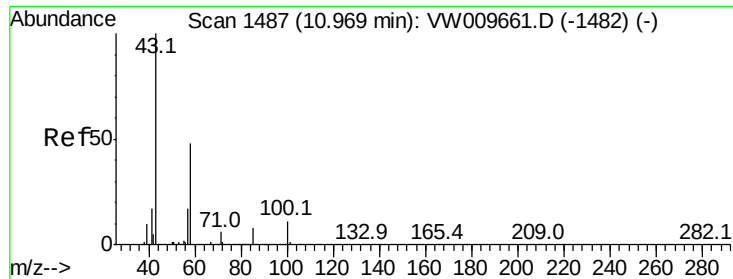
Ion 164.00 (163.70 to 164.70): V

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: 217.660 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD10014

Tgt Ion: 43 Resp: 1042127

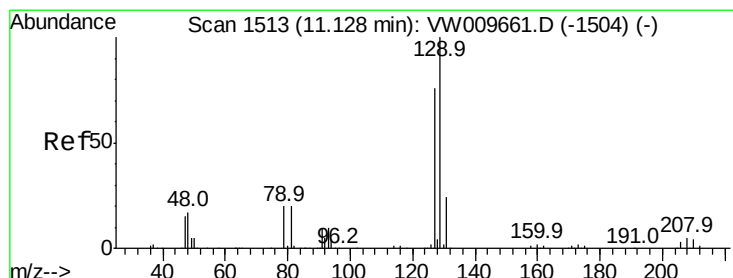
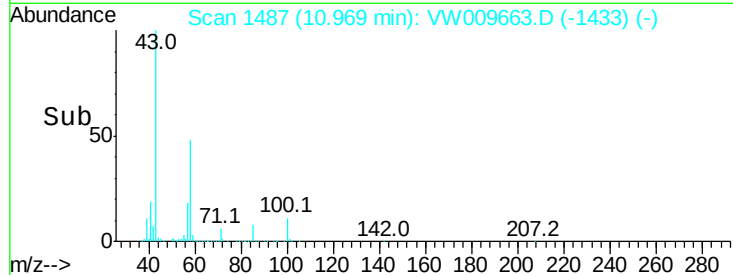
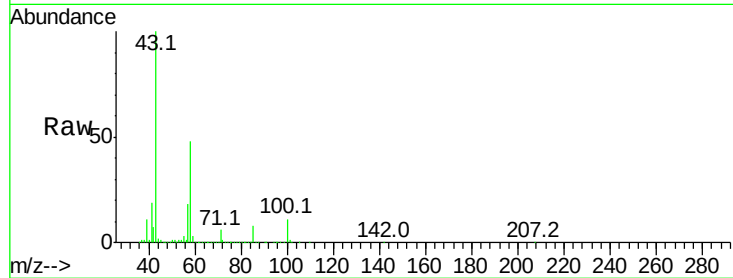
Ion	Ratio	Lower	Upper
43	100		
58	49.4	38.9	58.3
57	17.9	13.8	20.6
100	10.9	8.6	13.0

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: 108.704 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW009663.D

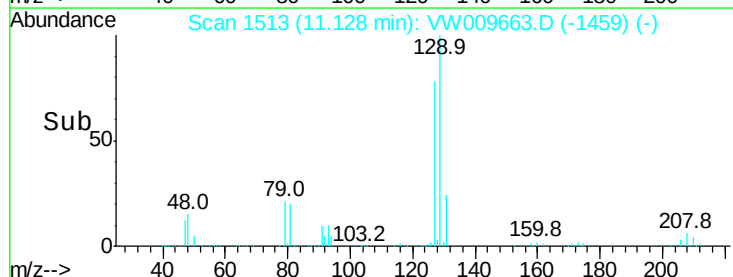
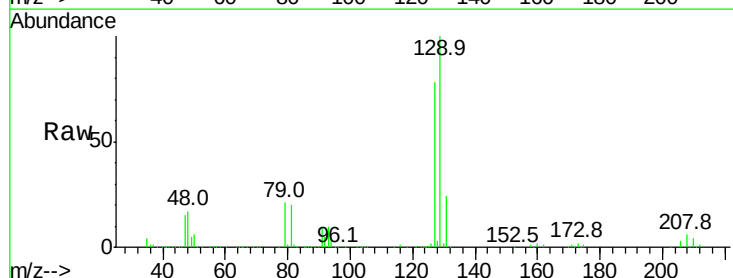
Acq: 03 Apr 2019 14:15

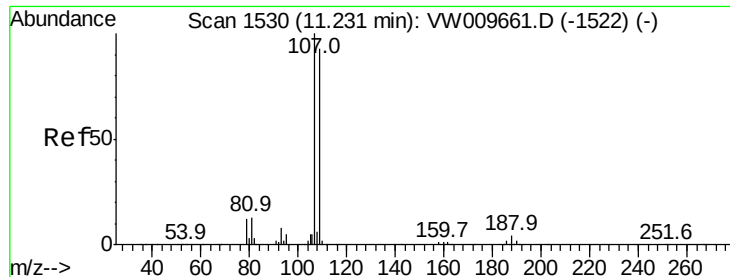
Tgt Ion: 129 Resp: 803134

Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.0	98.4

Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 104.429 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD10014

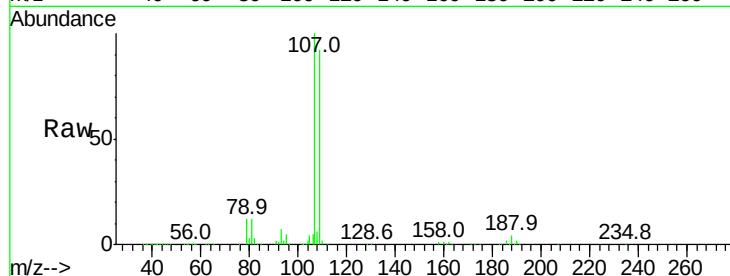
Tgt Ion:107 Resp: 633610

Ion Ratio Lower Upper

107 100

109 92.0 65.4 121.4

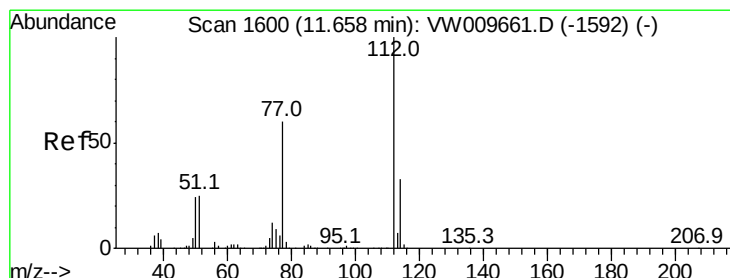
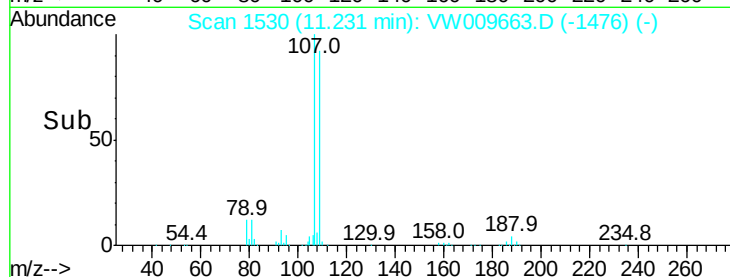
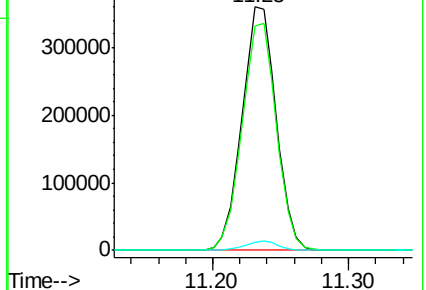
188 3.6 3.2 4.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 107.517 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

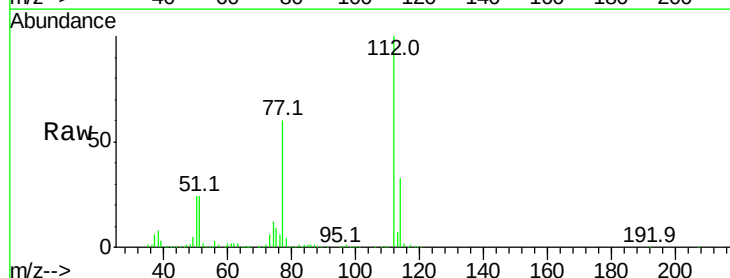
Tgt Ion:112 Resp: 2204259

Ion Ratio Lower Upper

112 100

77 60.1 48.2 72.2

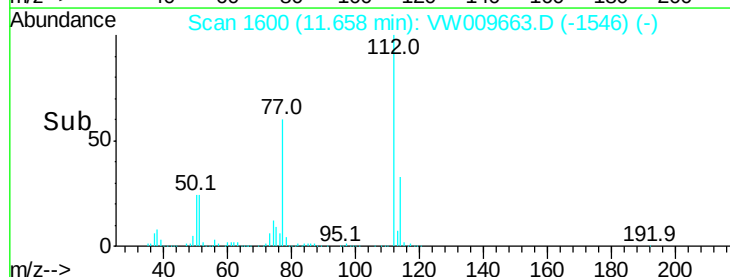
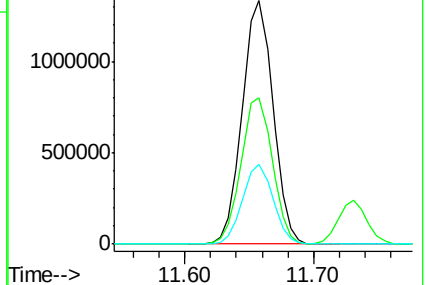
114 32.5 23.0 42.6

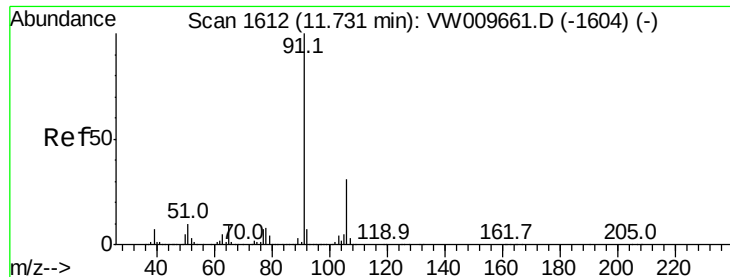


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 113.300 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampled :

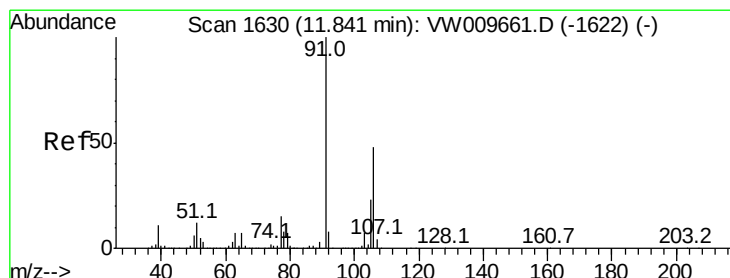
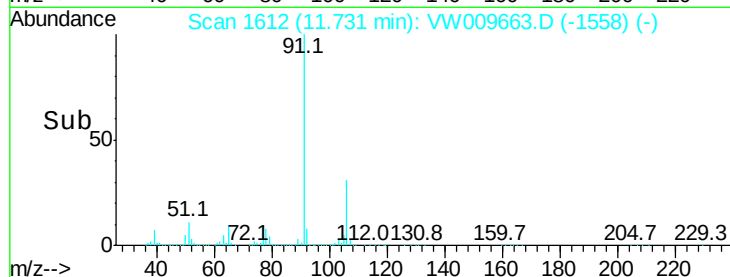
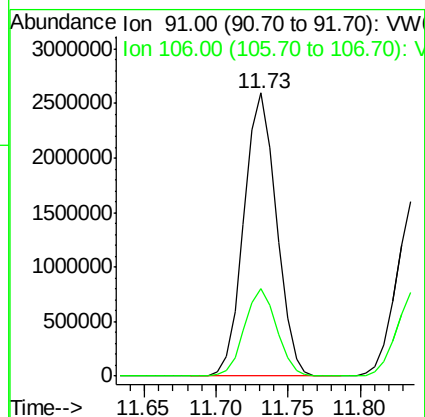
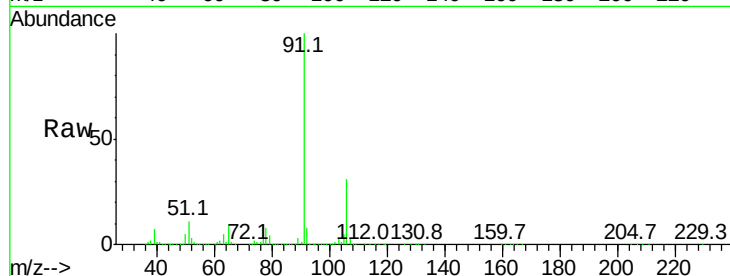
VSTD10014

Tgt Ion: 91 Resp: 4071671

Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



#54

m,p-Xylene

Concen: 111.976 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009663.D

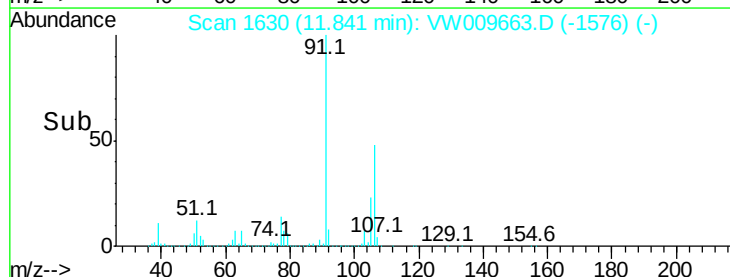
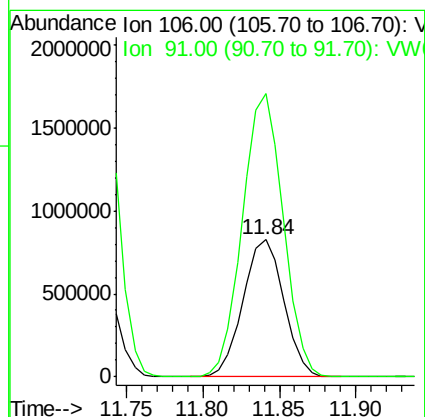
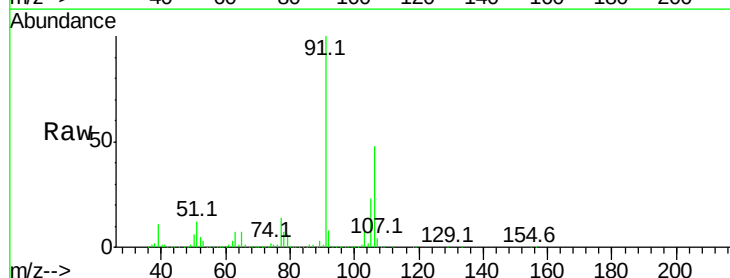
Acq: 03 Apr 2019 14:15

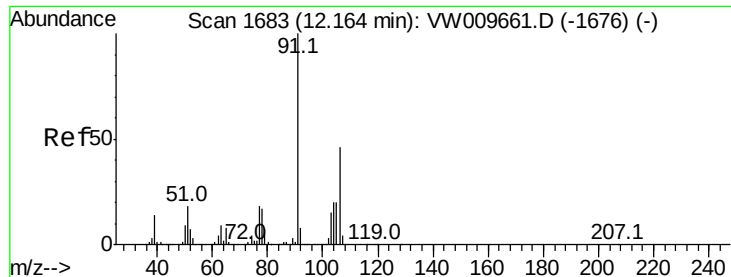
Tgt Ion: 106 Resp: 1528824

Ion Ratio Lower Upper

106 100

91 206.8 145.3 269.9





#55

o-xylene

Concen: 114.434 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampleId :

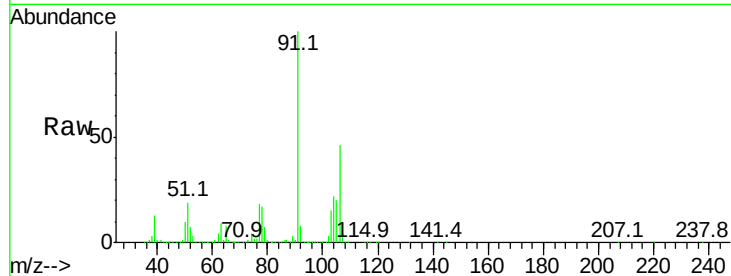
VSTD10014

Tgt Ion:106 Resp: 1524209

Ion Ratio Lower Upper

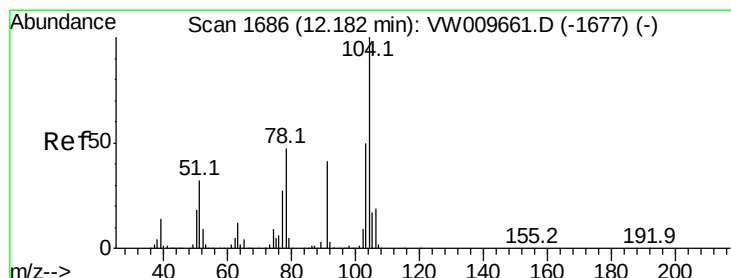
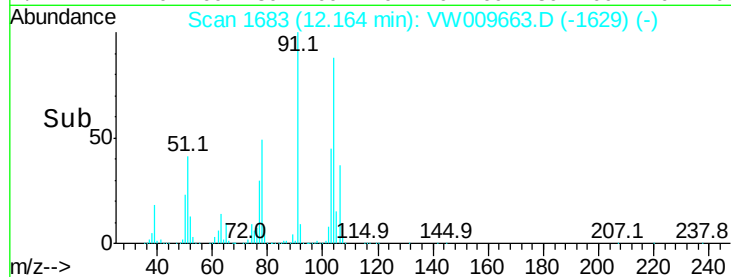
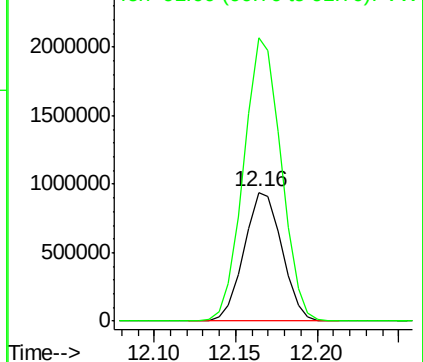
106 100

91 219.3 153.9 285.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 117.762 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW009663.D

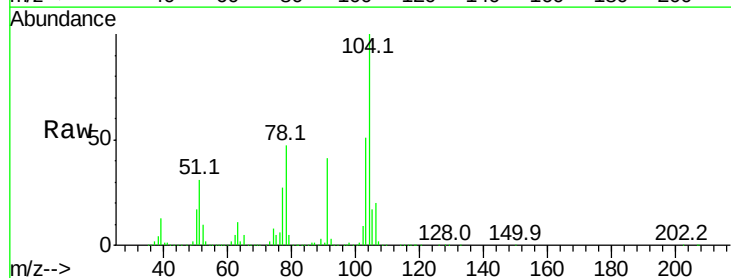
Acq: 03 Apr 2019 14:15

Tgt Ion:104 Resp: 2676241

Ion Ratio Lower Upper

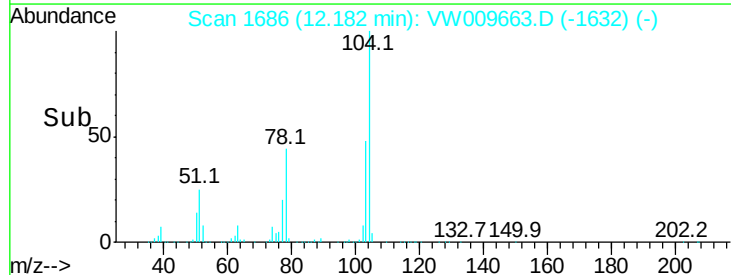
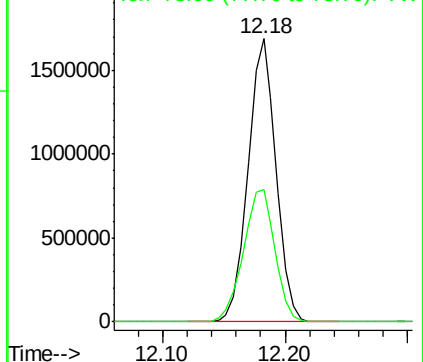
104 100

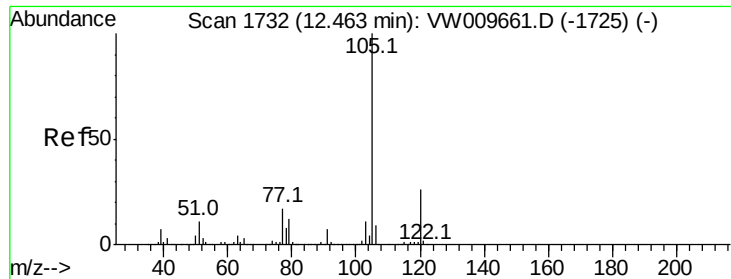
78 47.0 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 115.659 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD10014

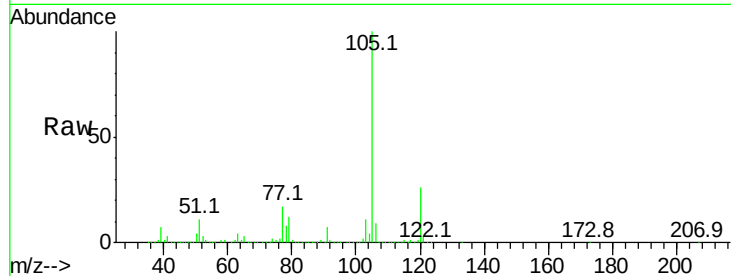
Tgt Ion:105 Resp: 4126757

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

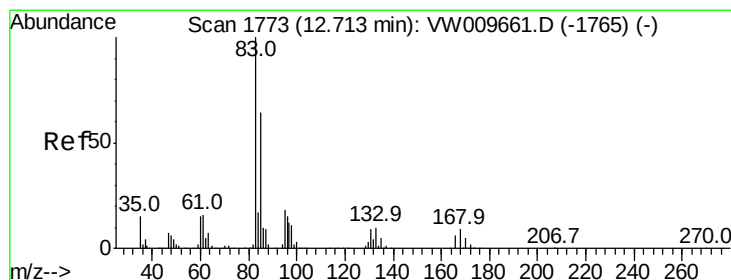
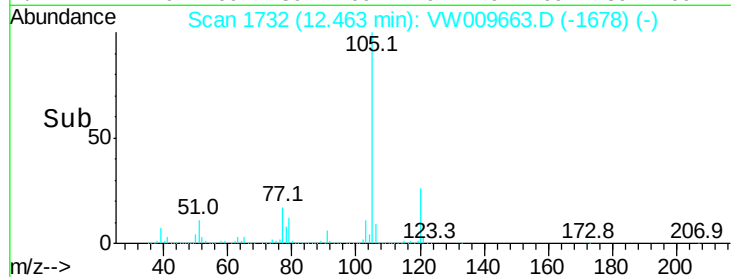
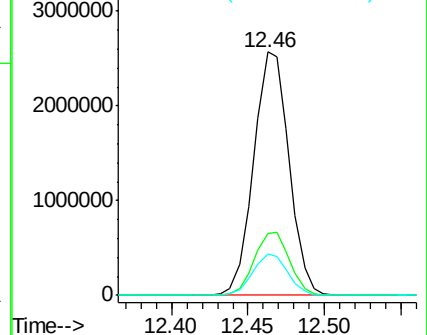
77 16.7 13.4 20.2



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: 104.923 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

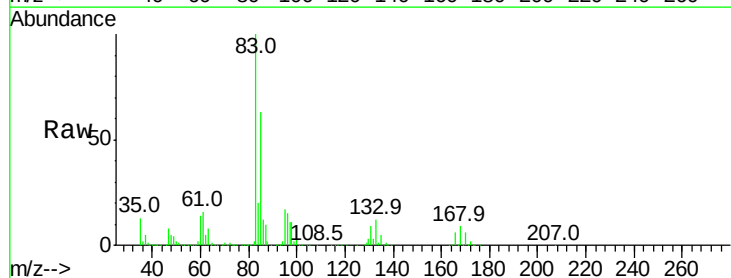
Tgt Ion: 83 Resp: 847163

Ion Ratio Lower Upper

83 100

85 63.3 44.9 83.3

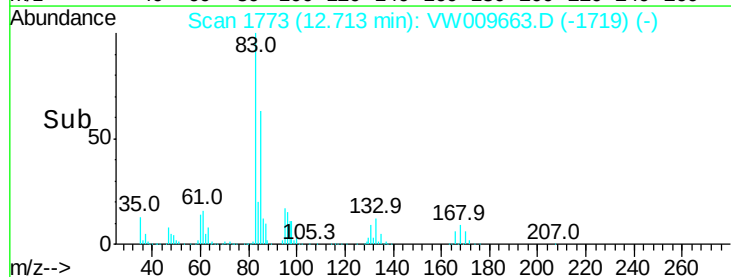
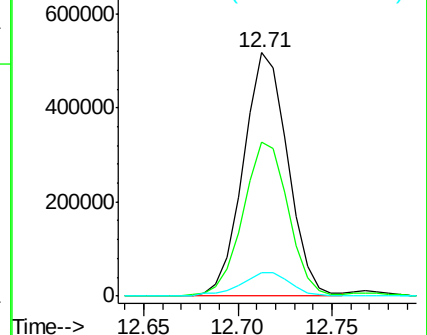
131 9.5 7.2 10.8

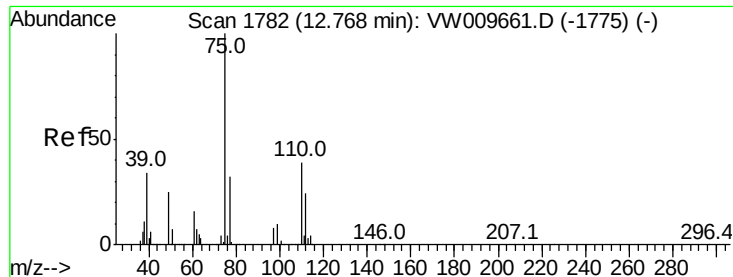


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 104.371 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampleId :

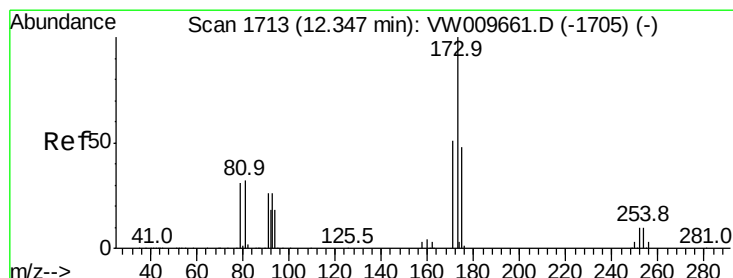
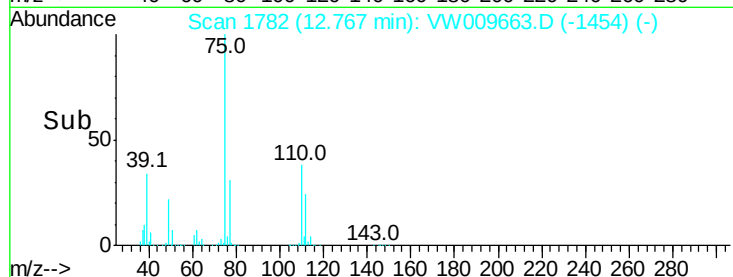
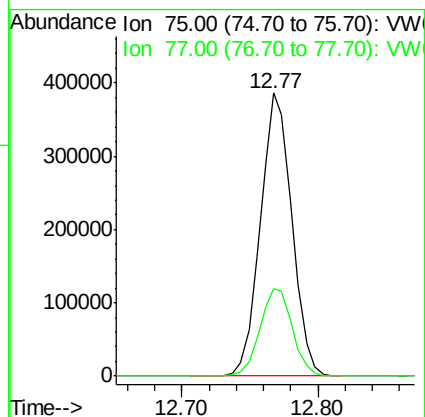
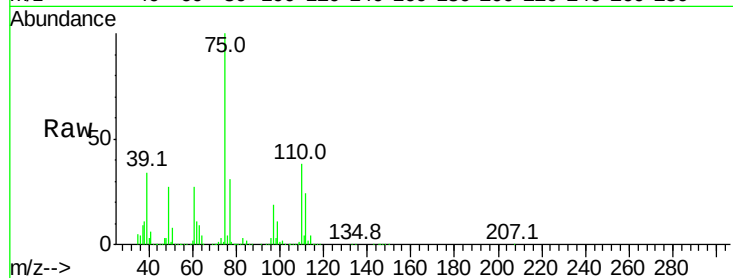
VSTD10014

Tgt Ion: 75 Resp: 625405

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2



#62

Bromoform

Concen: 110.929 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

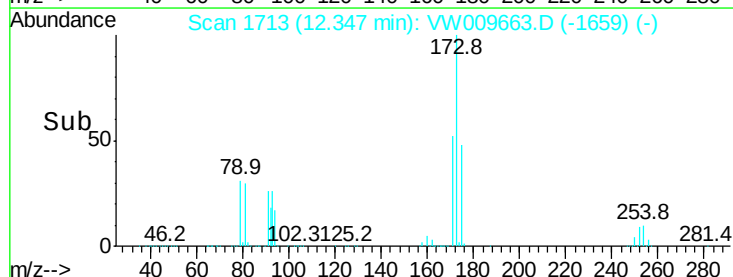
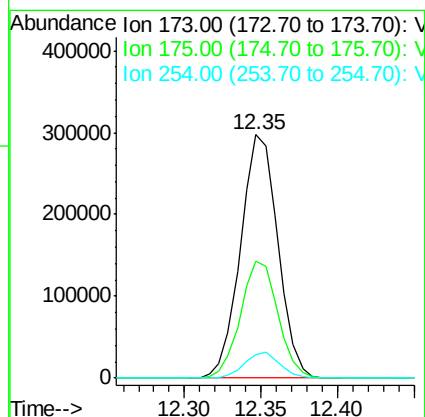
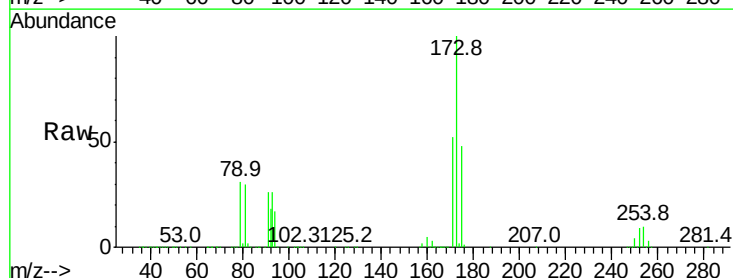
Tgt Ion: 173 Resp: 505084

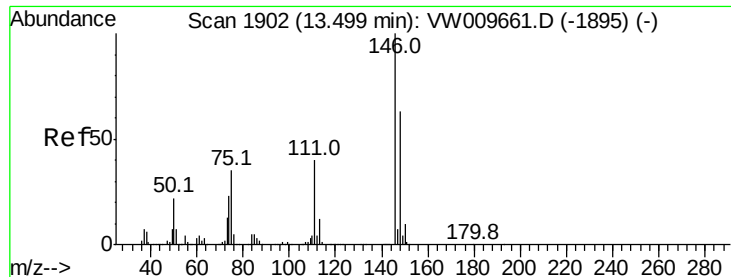
Ion Ratio Lower Upper

173 100

175 48.1 39.4 59.2

254 10.1 8.5 12.7





#63

1,3-Dichlorobenzene

Concen: 108.769 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD10014

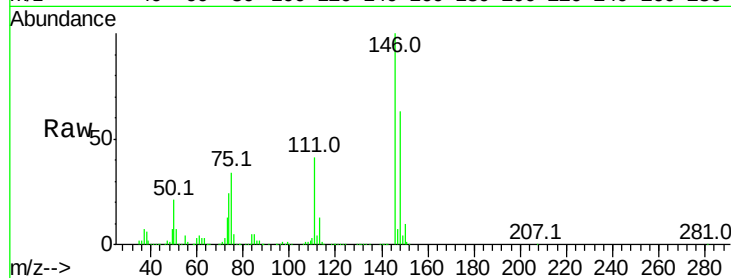
Tgt Ion:146 Resp: 1746893

Ion Ratio Lower Upper

146 100

111 41.1 28.1 52.3

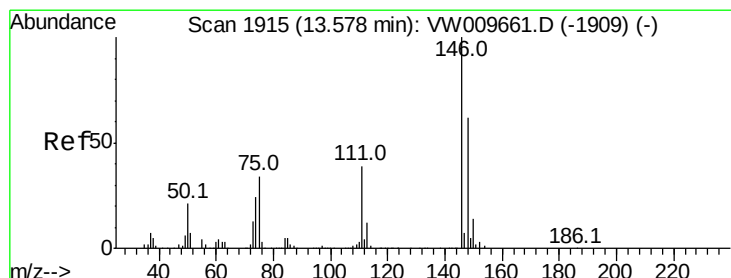
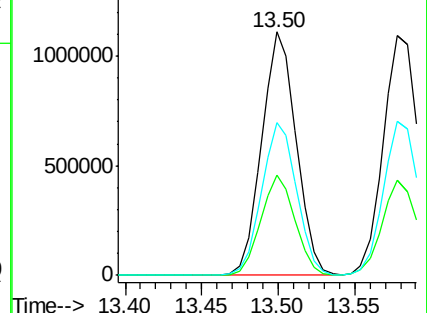
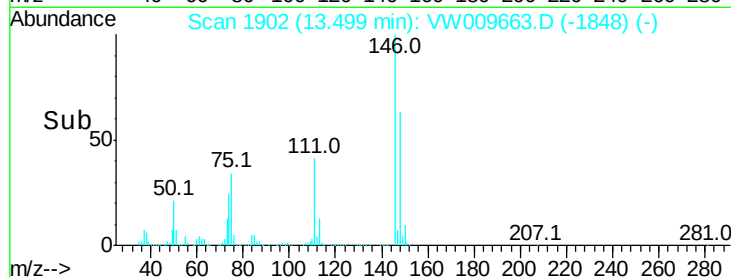
148 62.8 44.3 82.3



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: 105.932 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

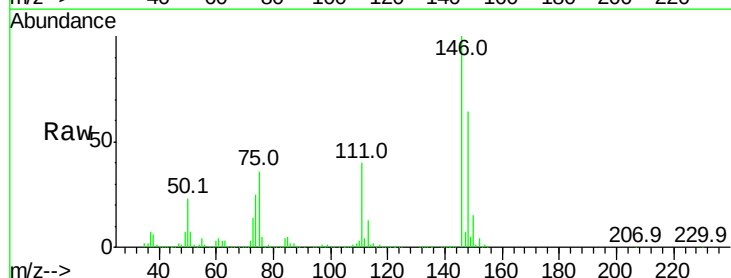
Tgt Ion:146 Resp: 1758983

Ion Ratio Lower Upper

146 100

111 39.7 27.4 50.8

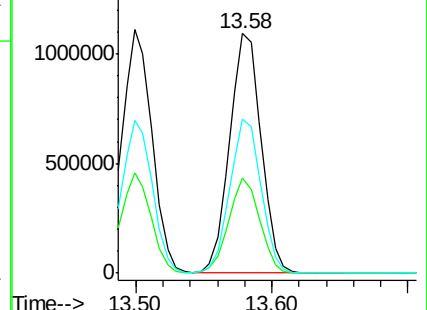
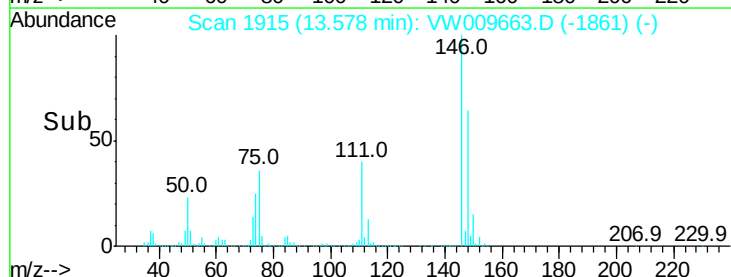
148 64.3 43.8 81.3

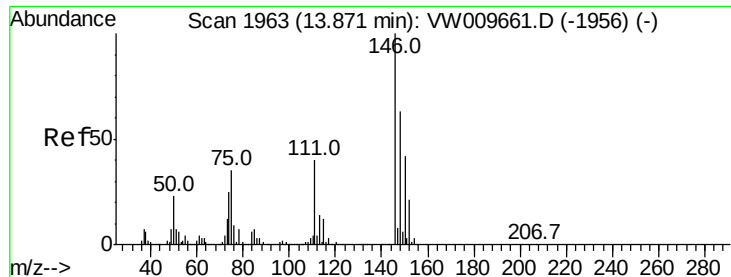


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

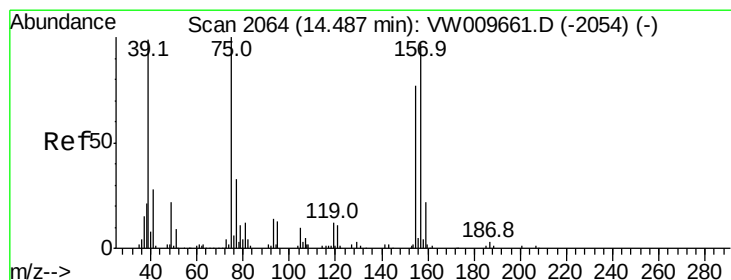
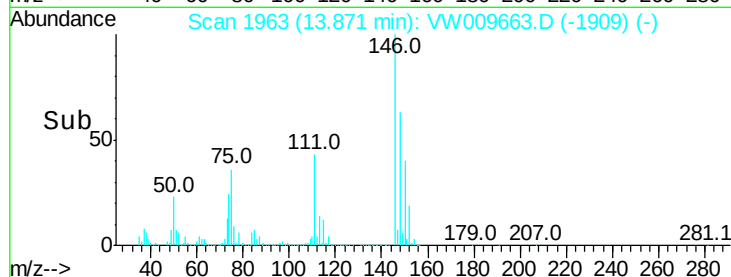
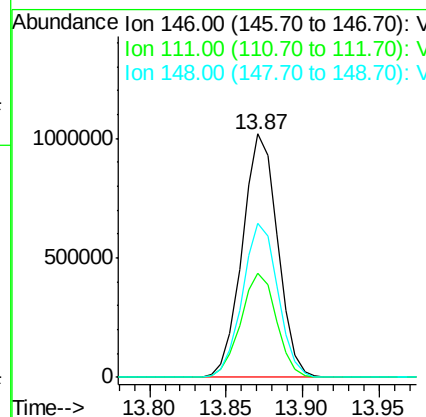
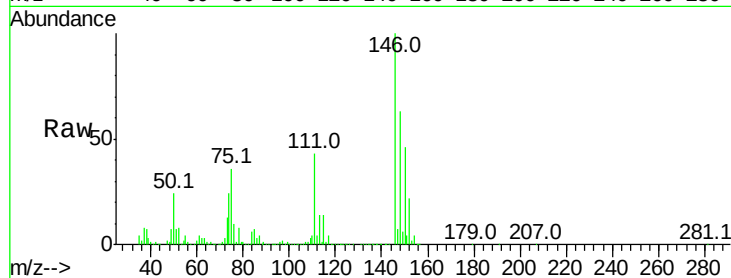




#65
 1,2-Dichlorobenzene
 Concen: 106.399 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009663.D
 Acq: 03 Apr 2019 14:15

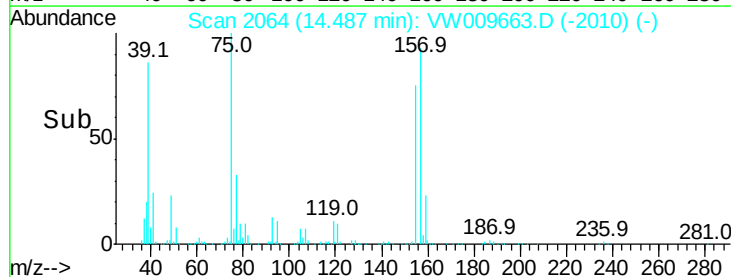
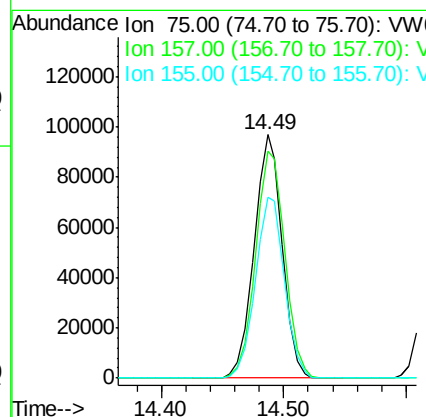
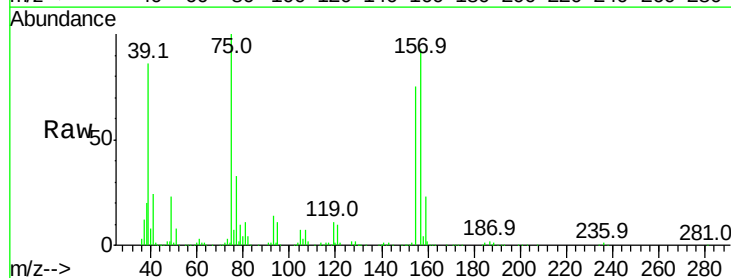
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10014

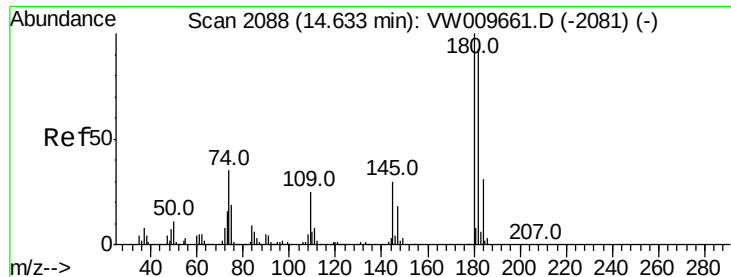
Tgt Ion:146 Resp: 1629657
 Ion Ratio Lower Upper
 146 100
 111 42.6 32.4 48.6
 148 63.3 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 102.697 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009663.D
 Acq: 03 Apr 2019 14:15

Tgt Ion: 75 Resp: 154159
 Ion Ratio Lower Upper
 75 100
 157 93.4 77.2 115.8
 155 74.5 61.9 92.9

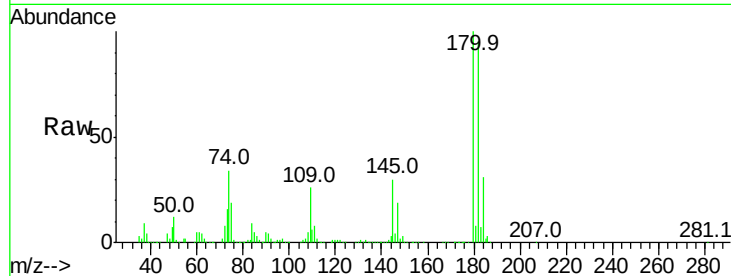




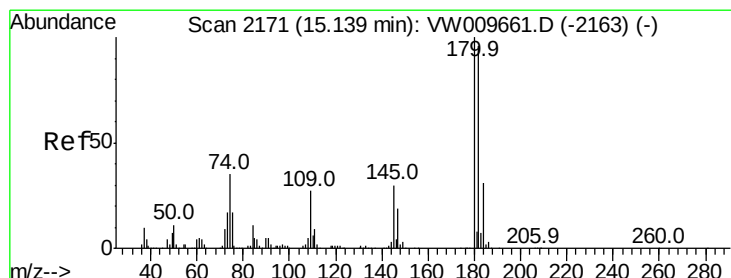
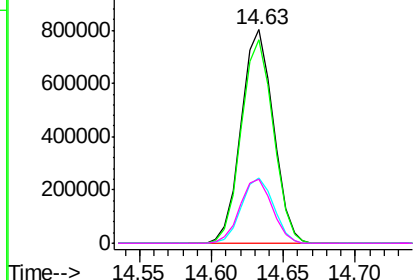
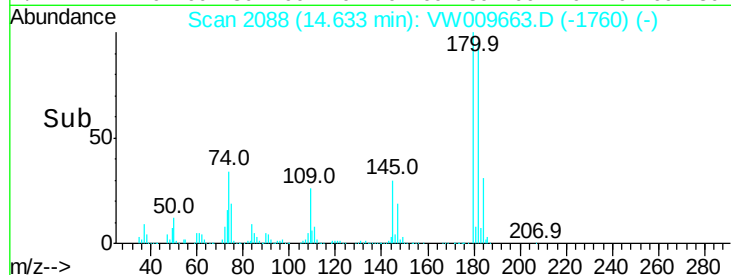
#67
 1,3,5-Trichlorobenzene
 Concen: 99.355 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW009663.D
 Acq: 03 Apr 2019 14:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10014

Tgt Ion:180 Resp: 1244627
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.8 113.6
 184 30.4 24.7 37.1
 145 30.3 24.5 36.7

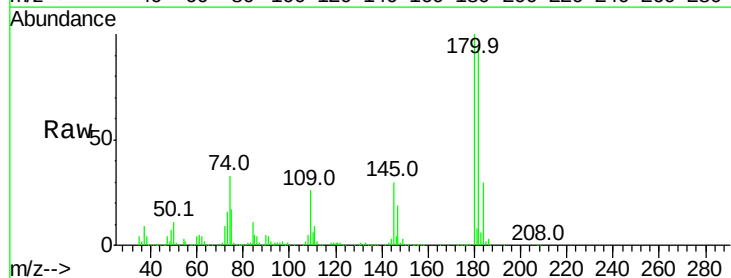


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

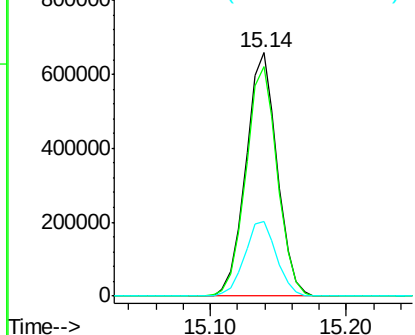
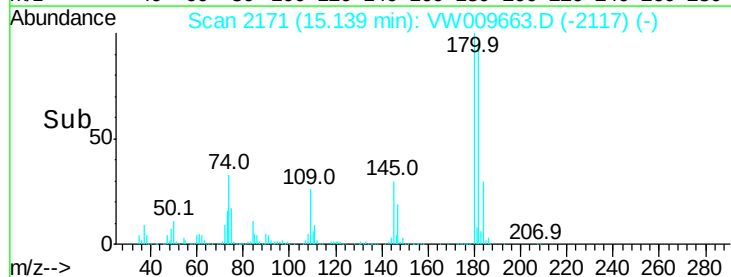


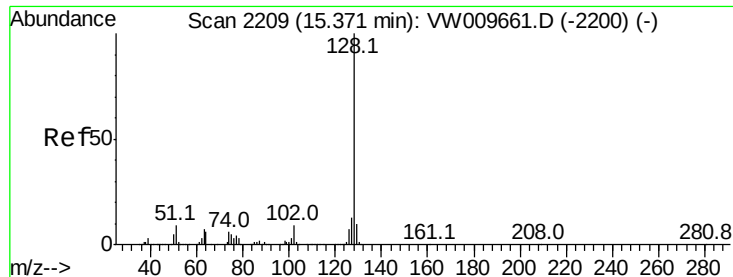
#68
 1,2,4-trichlorobenzene
 Concen: 100.252 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009663.D
 Acq: 03 Apr 2019 14:15

Tgt Ion:180 Resp: 1054904
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.8 113.8
 145 31.2 24.3 36.5



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: 107.412 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD10014

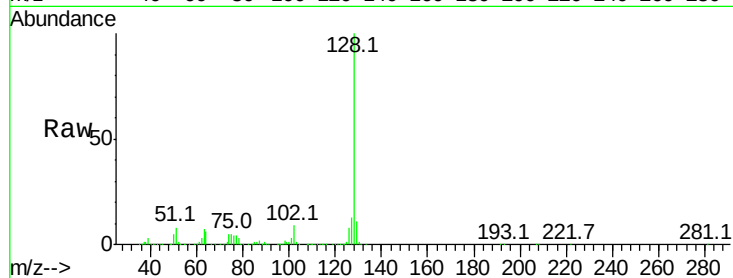
Tgt Ion:128 Resp: 2343269

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

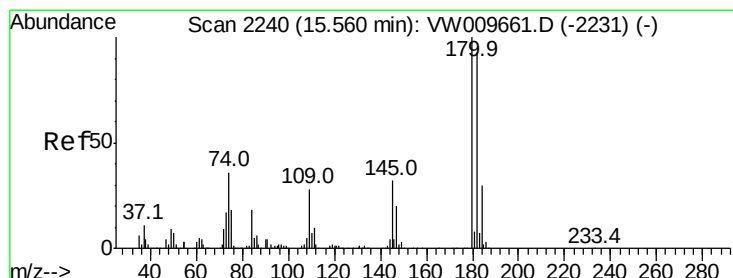
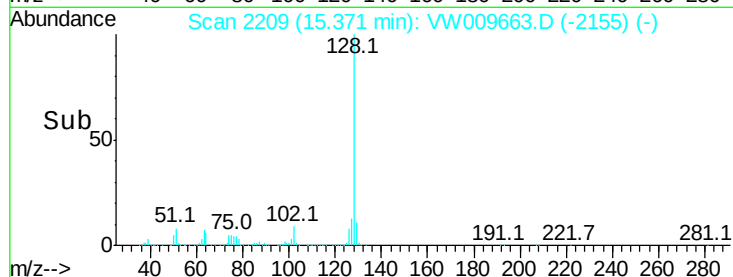
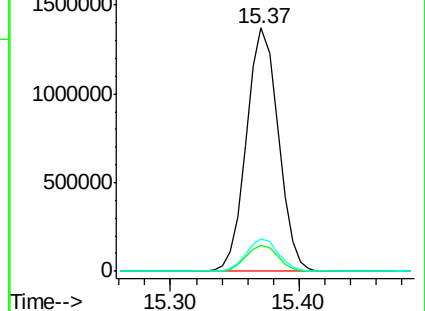
127 13.4 10.8 16.2



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: 97.852 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009663.D

Acq: 03 Apr 2019 14:15

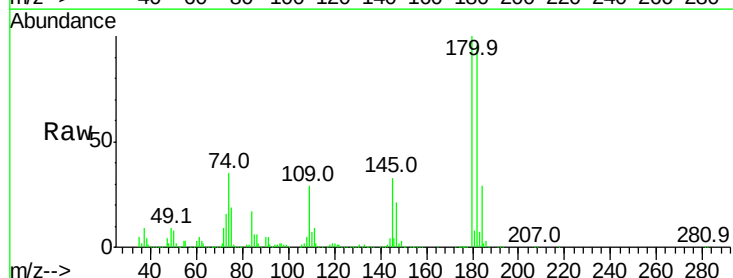
Tgt Ion:180 Resp: 964387

Ion Ratio Lower Upper

180 100

182 95.1 75.0 112.4

145 32.8 25.8 38.6



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

