

Data File : VW014763.D
Acq On : 27 Jan 2020 12:26
Operator : SY/VA
Sample : VSTD100
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

Quant Time: Jan 27 13:43:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis
QLast Update : Mon Jan 27 12:18:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1046823	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	933256	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	434033	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	1507386	102.14	ug/L	0.00
7) Chloroethane-d5	2.88	69	1324340	121.81	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	2920565	108.20	ug/L	0.00
20) 2-Butanone-d5	7.07	46	891298	253.82	ug/L	0.00
24) Chloroform-d	7.64	84	2800158	116.27	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	1434170	114.75	ug/L	0.00
29) Benzene-d6	8.27	84	5825869	117.39	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	1824223	122.25	ug/L	0.00
37) Toluene-d8	10.32	98	5287037	117.51	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	755902	122.65	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	727813	285.25	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	1321088	117.90	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	1678934	117.40	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	1276720	136.335	ug/L	100
3) Chloromethane	2.21	50	1392734	131.550	ug/L	100
5) Vinyl chloride	2.36	62	1928922	128.049	ug/L	98
6) Bromomethane	2.78	94	1003290	114.057	ug/L	100
8) Chloroethane	2.92	64	1099488	130.524	ug/L	98
9) Trichlorofluoromethane	3.26	101	1029186	129.168	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	1377266	100.690	ug/L	99
12) 1,1-Dichloroethene	4.04	96	1410502	105.305	ug/L	93
13) Acetone	4.11	43	816999	168.043	ug/L	97
14) Carbon disulfide	4.38	76	4558227	110.225	ug/L	100
15) Methyl Acetate	4.66	43	724543	110.440	ug/L	99
16) Methylene chloride	4.91	84	1418095	83.076	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	1868345	108.369	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	1491168	105.683	ug/L	99
19) 1,1-Dichloroethane	6.21	63	2723769	106.790	ug/L	100
21) 2-Butanone	7.17	43	1056178	202.477	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	1583793	106.639	ug/L	99
23) Bromochloromethane	7.51	128	647870	100.766	ug/L	99
25) Chloroform	7.67	83	2518667	103.241	ug/L	100
27) 1,2-Dichloroethane	8.40	62	1624344	102.568	ug/L	98
30) Cyclohexane	7.95	56	2746222	115.037	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	1995271	104.224	ug/L	99
32) Carbon tetrachloride	8.07	117	1913957	107.306	ug/L	100
34) Benzene	8.32	78	5843697	104.050	ug/L	100
35) Trichloroethene	9.09	95	1522086	105.010	ug/L	98
36) Methylcyclohexane	9.34	83	2761559	108.598	ug/L	99
40) 1,2-Dichloropropane	9.37	63	1481113	104.194	ug/L	100
41) Bromodichloromethane	9.64	83	1834710	107.303	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	2392144	112.655	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	1982831	217.289	ug/L	99

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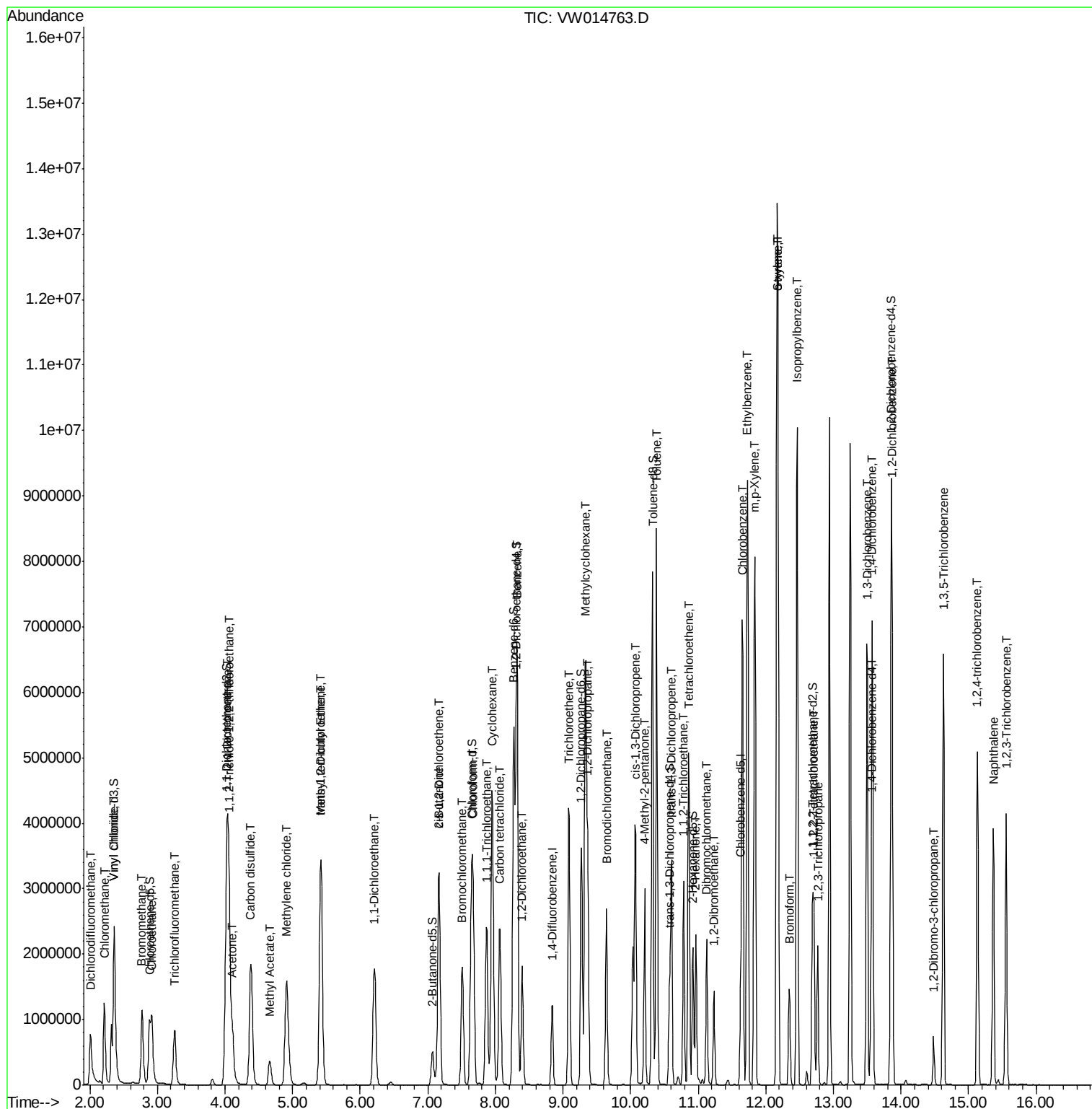
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	6095454	103.857	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	1897454	111.754	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	1023319	101.635	ug/L	98
47) Tetrachloroethene	10.86	164	1215748	99.891	ug/L	98
49) 2-Hexanone	10.96	43	1486113	238.490	ug/L	99
50) Dibromochloromethane	11.13	129	1213789	106.169	ug/L	95
51) 1,2-Dibromoethane	11.23	107	978582	102.962	ug/L	99
52) Chlorobenzene	11.65	112	3765289	101.488	ug/L	100
53) Ethylbenzene	11.73	91	6779739	105.063	ug/L	98
54) m,p-Xylene	11.84	106	2598798	106.422	ug/L	93
55) o-xylene	12.16	106	2466379	106.928	ug/L	96
56) Styrene	12.18	104	4156644	107.068	ug/L	98
57) Isopropylbenzene	12.46	105	6489183	105.764	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	1227083	100.376	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	906679	99.005	ug/L	99
62) Bromoform	12.35	173	703133	108.411	ug/L	99
63) 1,3-Dichlorobenzene	13.49	146	2850916	103.749	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	2814425	101.575	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	2543065	103.235	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	196166	107.537	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	2091958	102.770	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	1699273	111.361	ug/L	99
69) Naphthalene	15.36	128	3301243	125.315	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	1485147	107.405	ug/L	99

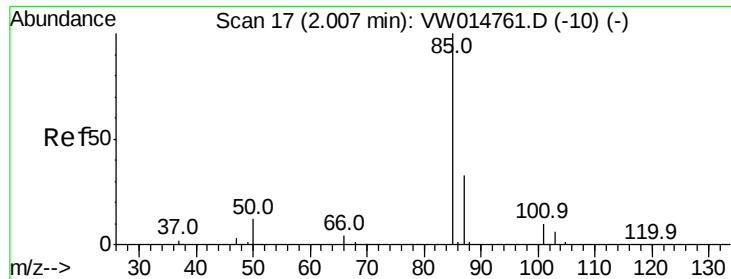
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 136.335 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

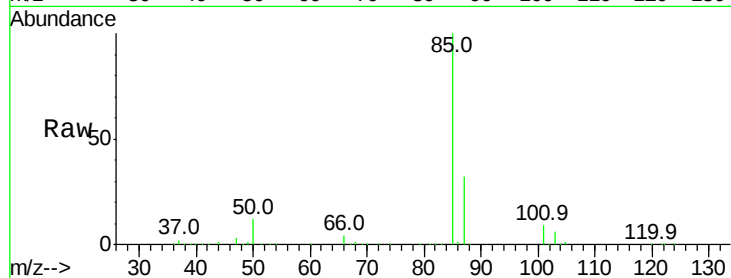
VSTD10001

Tgt Ion: 85 Resp: 1276720

Ion Ratio Lower Upper

85 100

87 31.6 22.0 40.8



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

400000

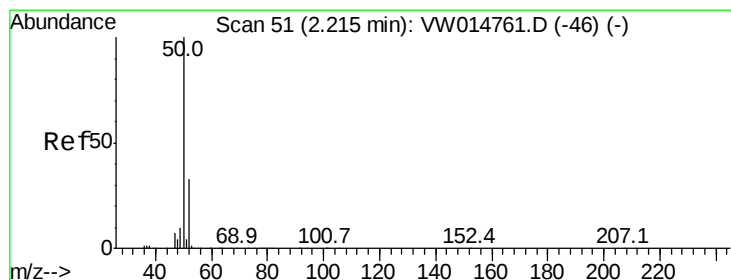
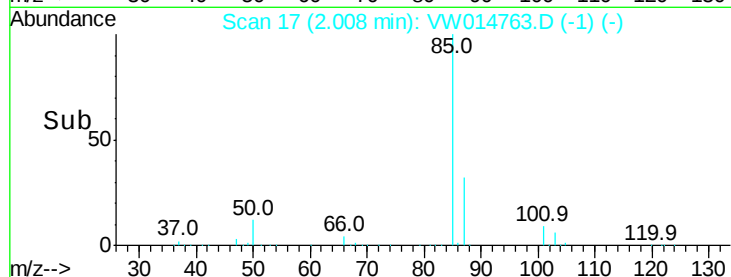
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 131.550 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014763.D

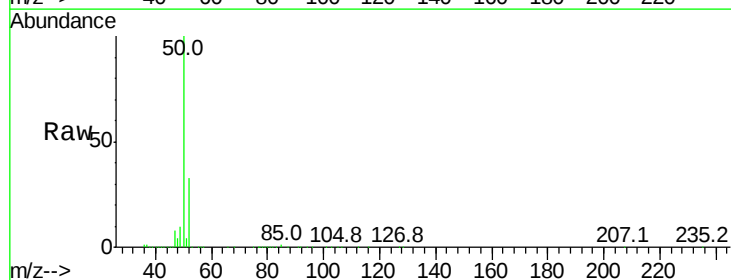
Acq: 27 Jan 2020 12:26

Tgt Ion: 50 Resp: 1392734

Ion Ratio Lower Upper

50 100

52 32.9 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

800000

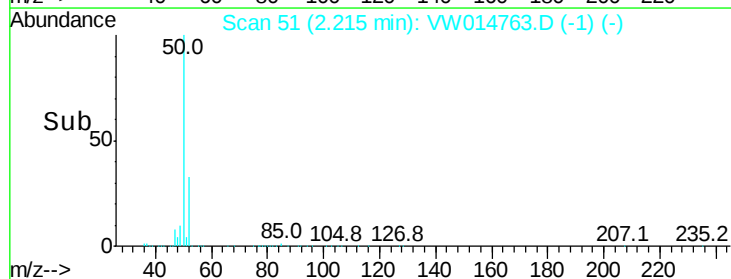
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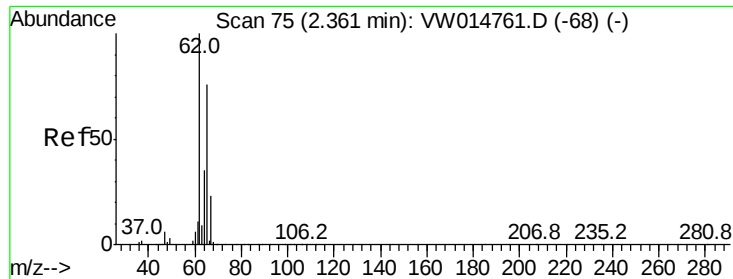
400000

200000

0

Time-->





#5

Vinyl chloride

Concen: 128.049 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

Instrument :

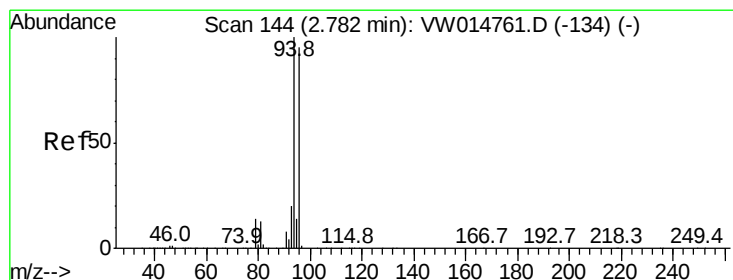
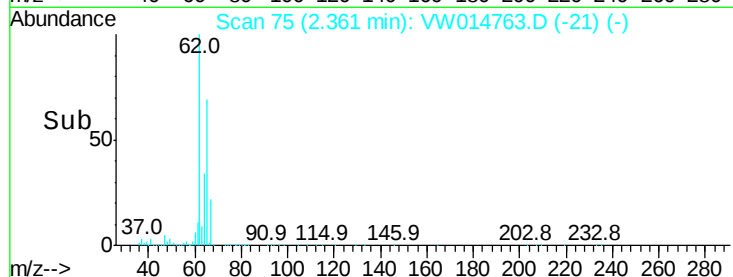
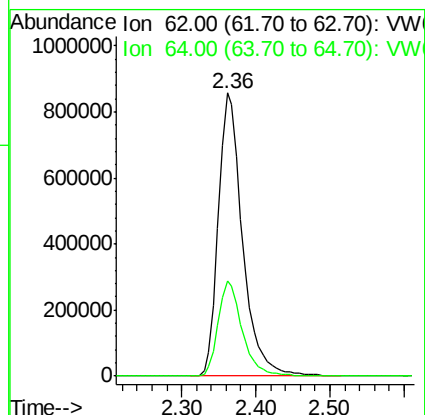
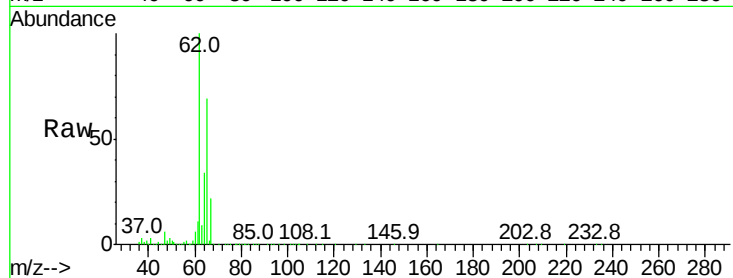
MSVOA_W

ClientSampleId :

VSTD10001

Tgt Ion: 62 Resp: 1928922

Ion	Ratio	Lower	Upper
62	100		
64	33.5	24.3	45.1



#6

Bromomethane

Concen: 114.057 ug/L

RT: 2.78 min Scan# 143

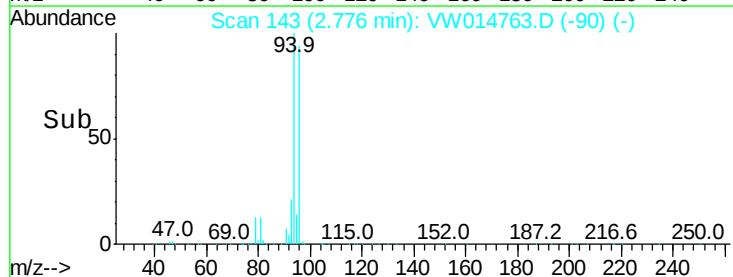
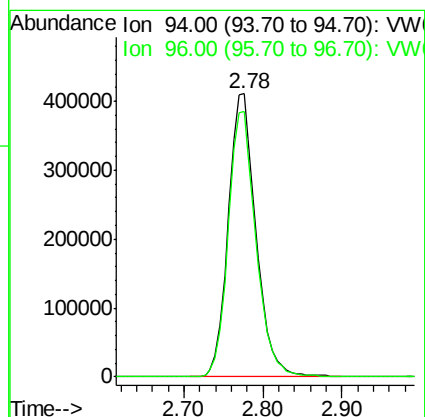
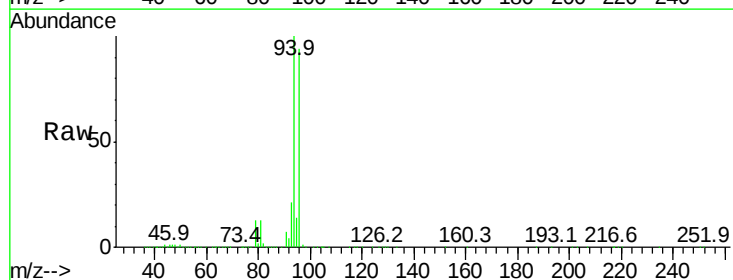
Delta R.T. -0.01 min

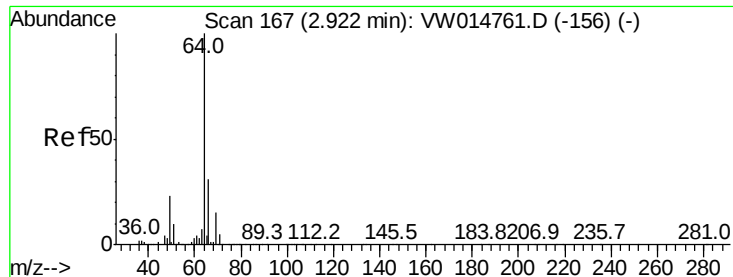
Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

Tgt Ion: 94 Resp: 1003290

Ion	Ratio	Lower	Upper
94	100		
96	93.8	9.3	177.7





#8

Chloroethane

Concen: 130.524 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

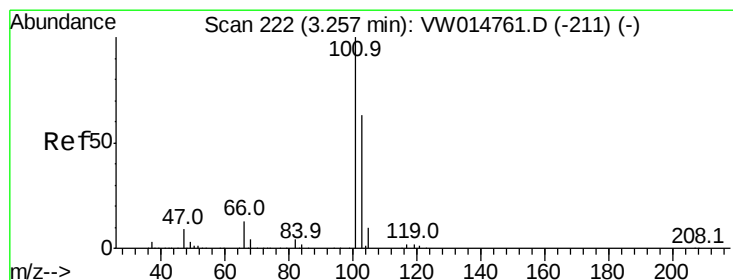
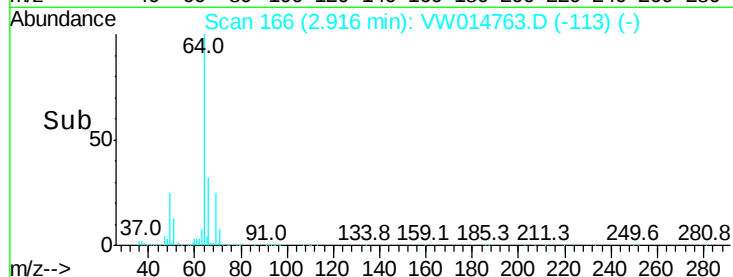
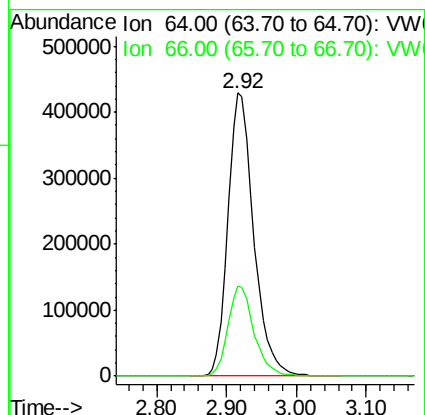
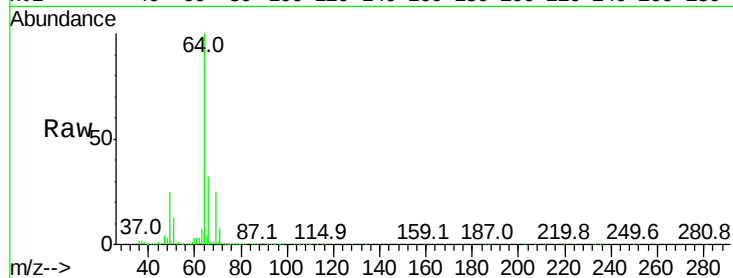
VSTD10001

Tgt Ion: 64 Resp: 1099488

Ion Ratio Lower Upper

64 100

66 31.9 21.8 40.4



#9

Trichlorofluoromethane

Concen: 129.168 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014763.D

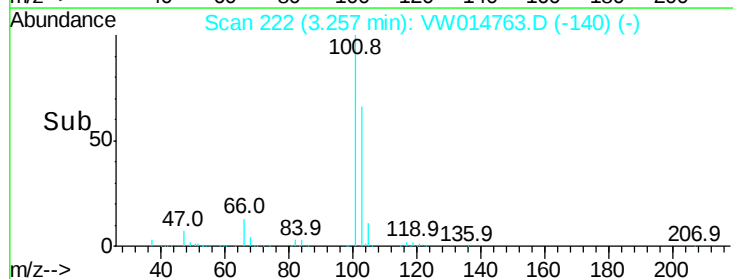
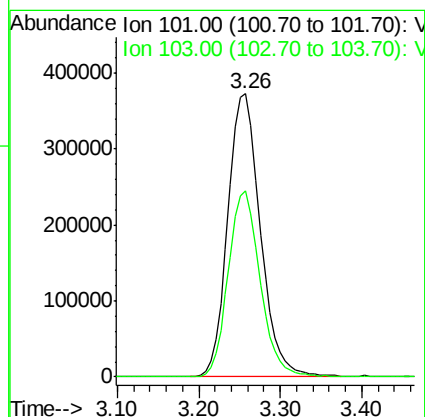
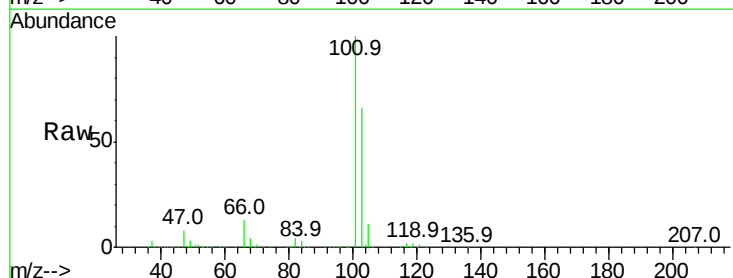
Acq: 27 Jan 2020 12:26

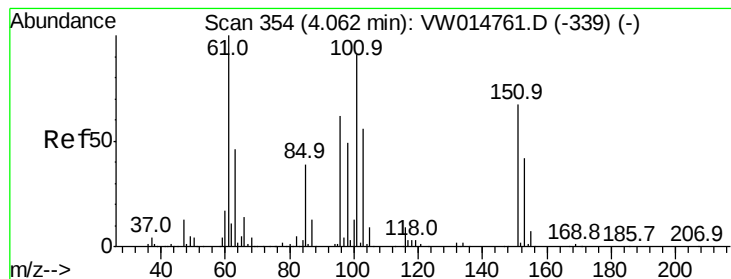
Tgt Ion: 101 Resp: 1029186

Ion Ratio Lower Upper

101 100

103 64.3 45.1 83.9





#11

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

Concen: 100.690 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

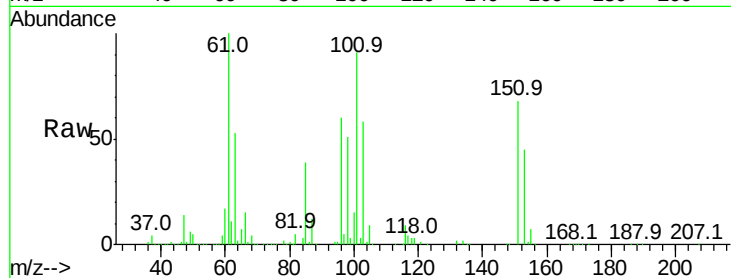
Tgt Ion:101 Resp: 1377266

Ion Ratio Lower Upper

101 100

85 42.4 33.8 50.6

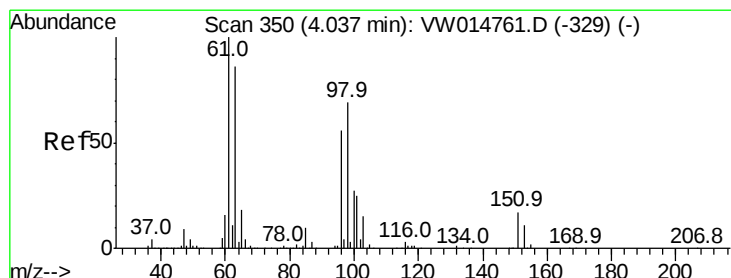
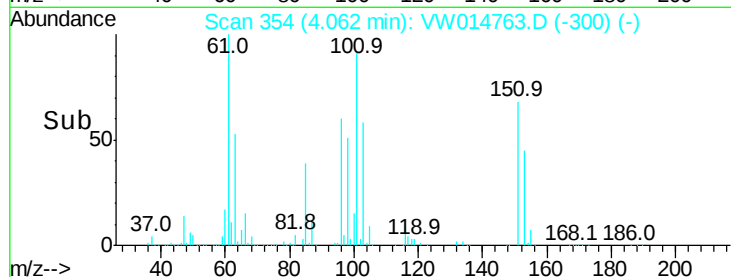
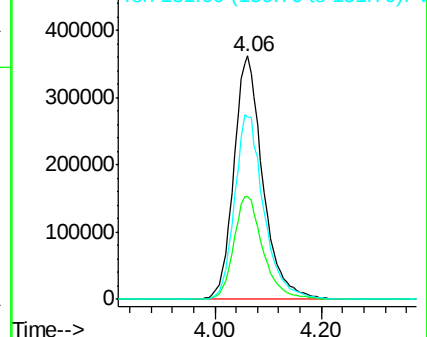
151 76.0 59.7 89.5



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: 105.305 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

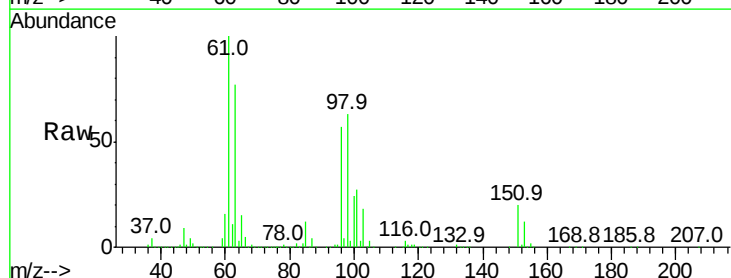
Tgt Ion: 96 Resp: 1410502

Ion Ratio Lower Upper

96 100

61 176.1 124.3 230.9

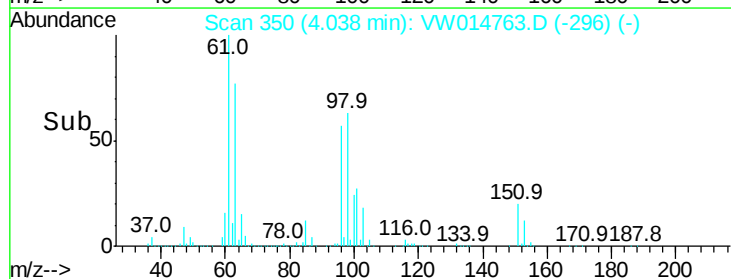
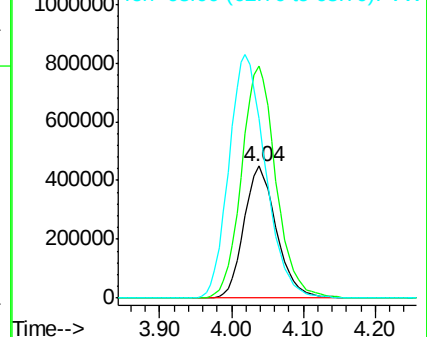
63 136.1 107.0 198.6

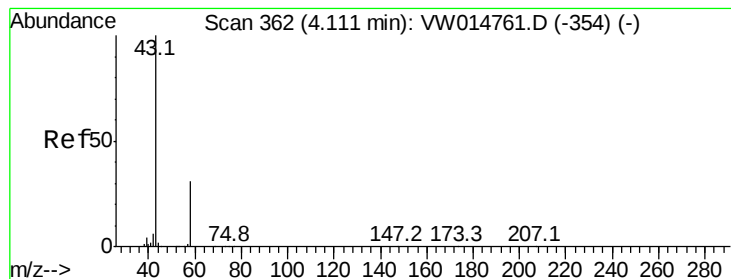


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 168.043 ug/L

RT: 4.11 min Scan# 362

Delta R.T. 0.00 min

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ClientSampleId :

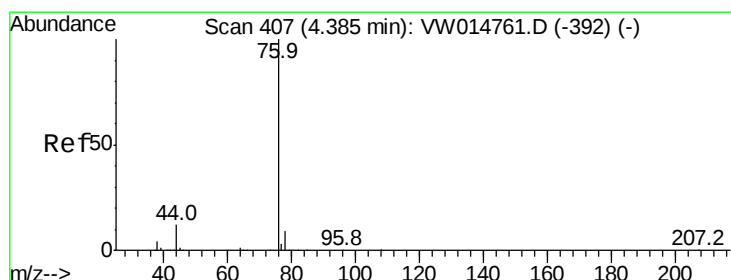
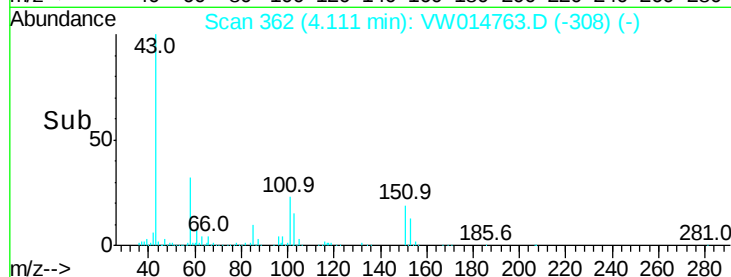
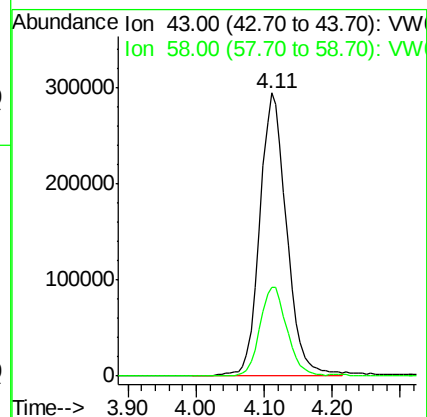
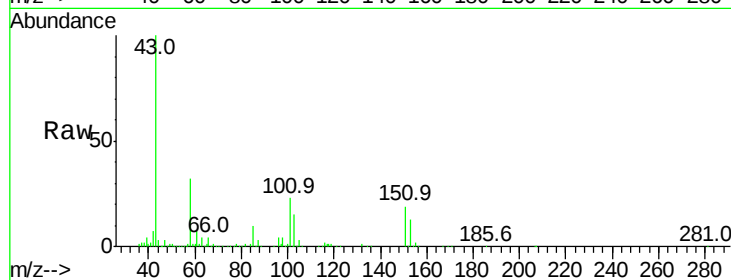
VSTD10001

Tgt Ion: 43 Resp: 816999

Ion Ratio Lower Upper

43 100

58 30.8 0.0 64.6



#14

Carbon disulfide

Concen: 110.225 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014763.D

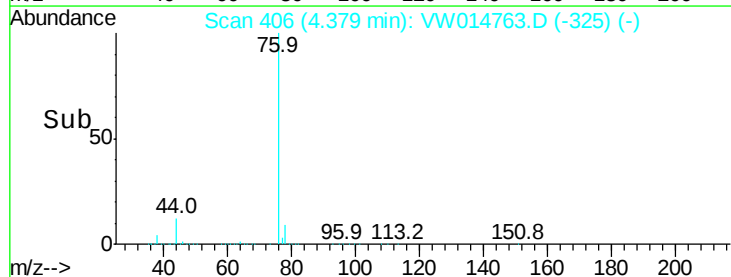
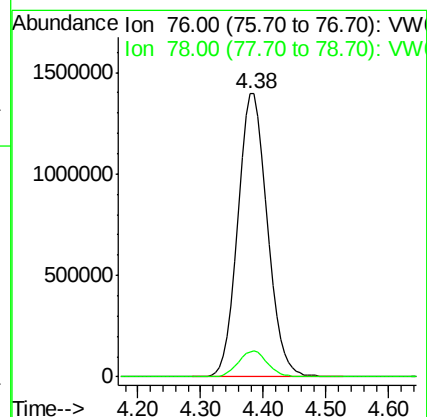
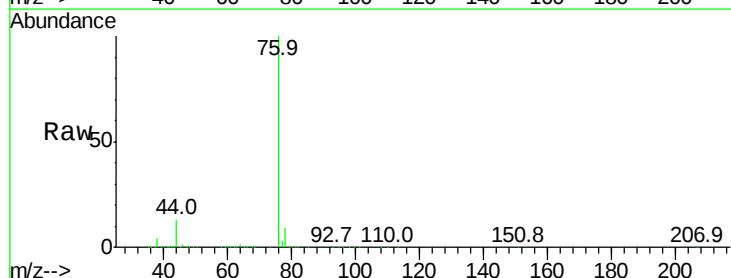
Acq: 27 Jan 2020 12:26

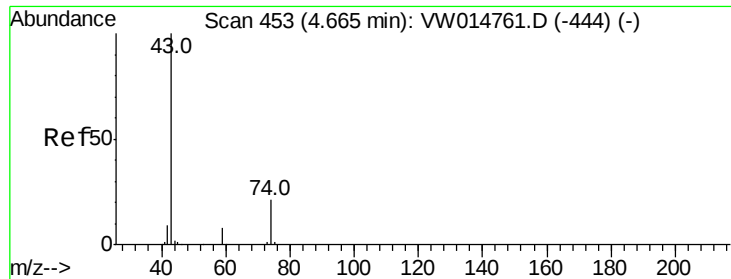
Tgt Ion: 76 Resp: 4558227

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

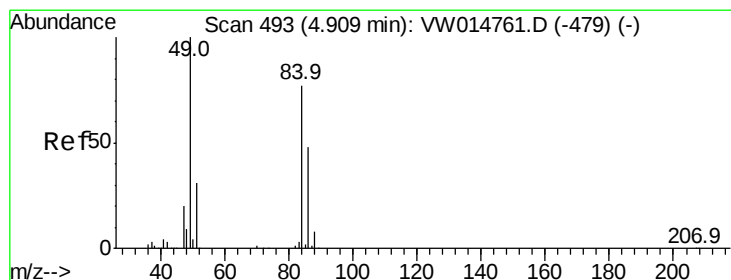
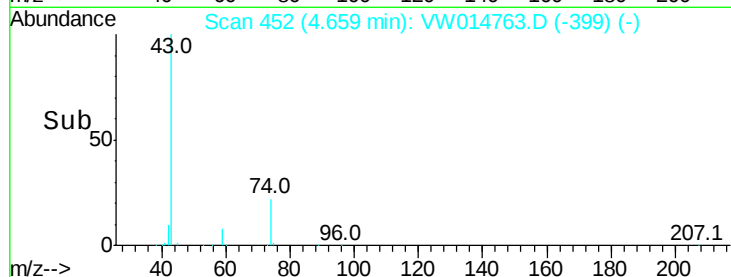
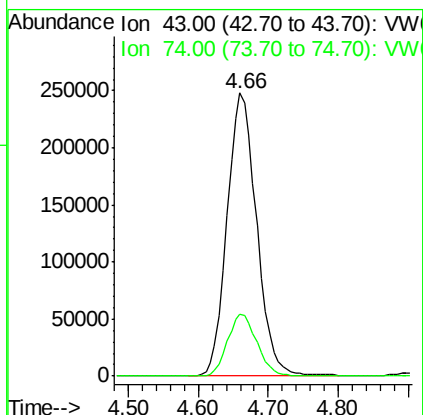
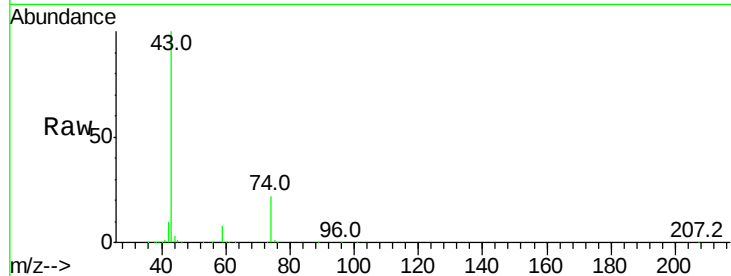




#15
Methyl Acetate
Concen: 110.440 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014763.D
Acq: 27 Jan 2020 12:26

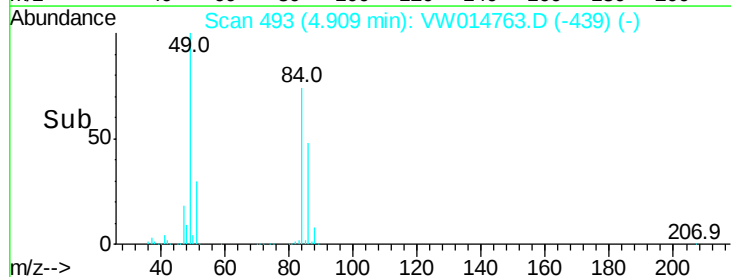
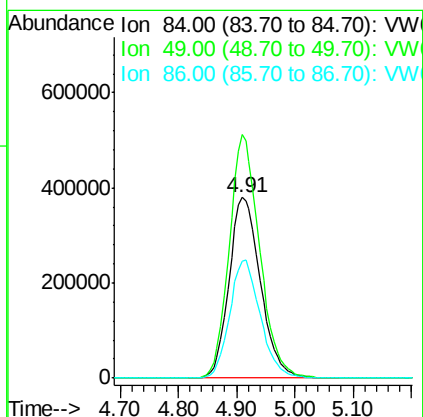
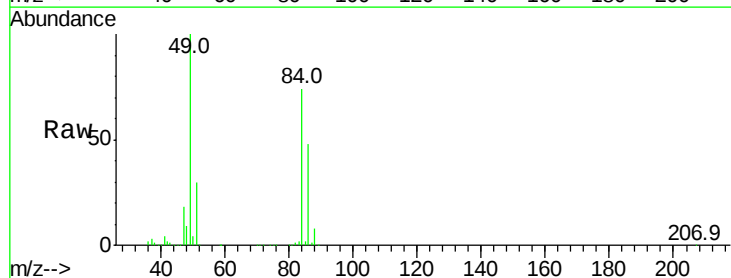
Instrument :
MSVOA_W
ClientSampled :
VSTD10001

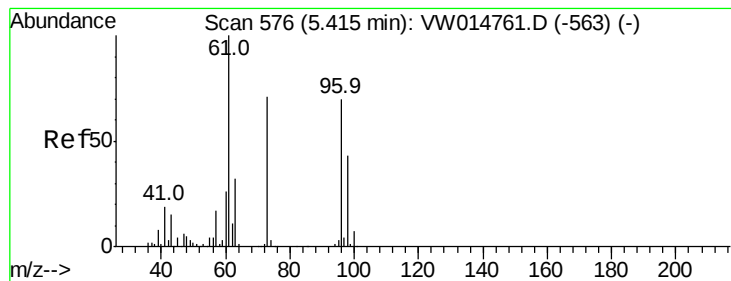
Tgt Ion: 43 Resp: 724543
Ion Ratio Lower Upper
43 100
74 21.9 18.0 27.0



#16
Methylene chloride
Concen: 83.076 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014763.D
Acq: 27 Jan 2020 12:26

Tgt Ion: 84 Resp: 1418095
Ion Ratio Lower Upper
84 100
49 134.7 90.9 168.7
86 65.0 43.5 80.7





#17

Methyl tert-butyl Ether

Concen: 108.369 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

Instrument :

MSVOA_W

ClientSampled :

VSTD10001

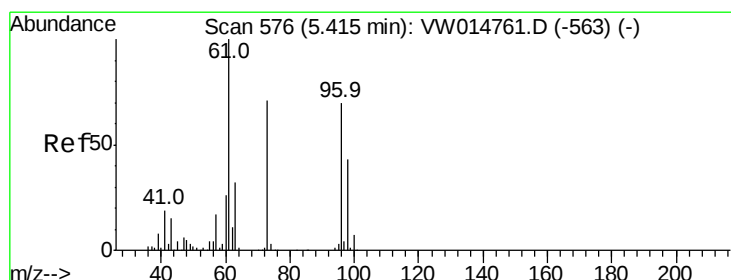
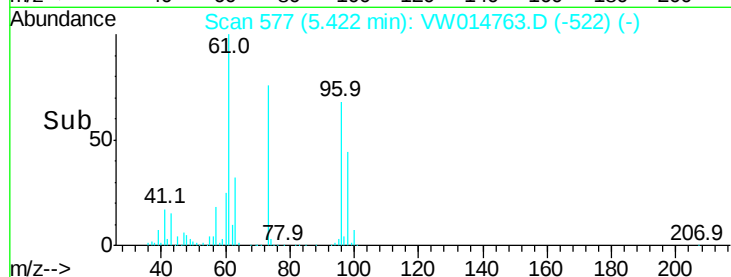
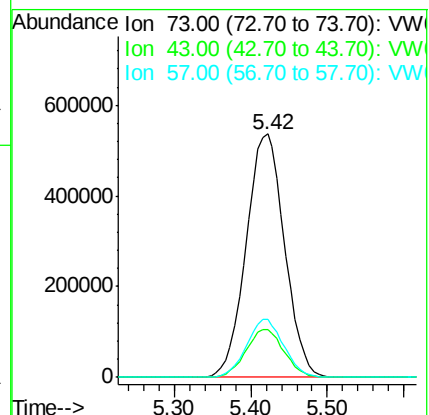
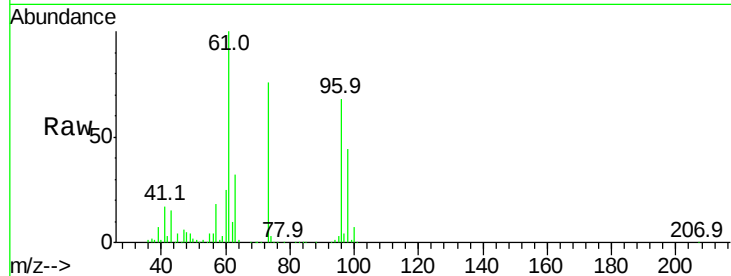
Tgt Ion: 73 Resp: 1868345

Ion Ratio Lower Upper

73 100

43 19.6 16.2 24.4

57 23.2 19.1 28.7



#18

trans-1,2-Dichloroethene

Concen: 105.683 ug/L

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

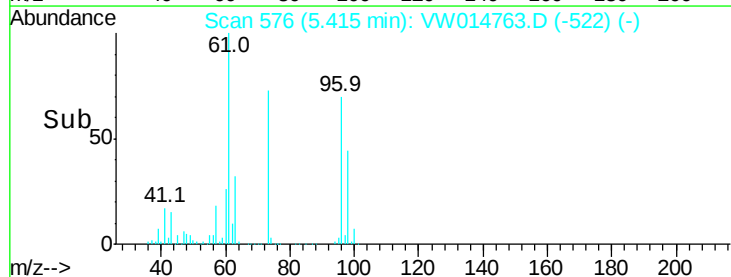
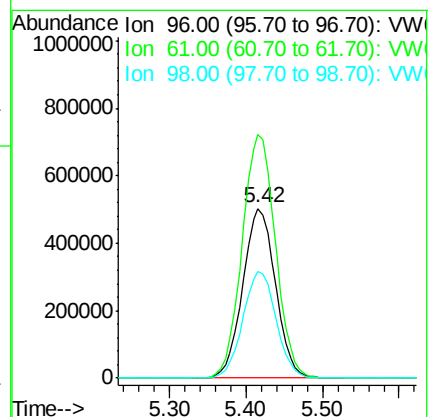
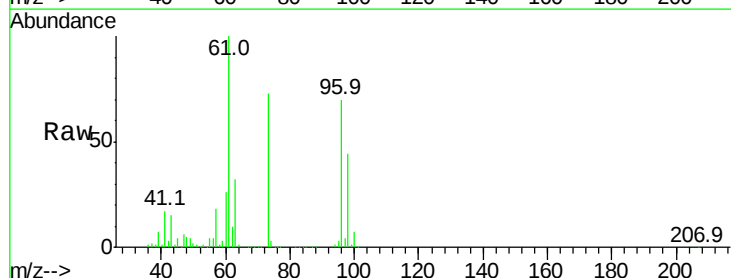
Tgt Ion: 96 Resp: 1491168

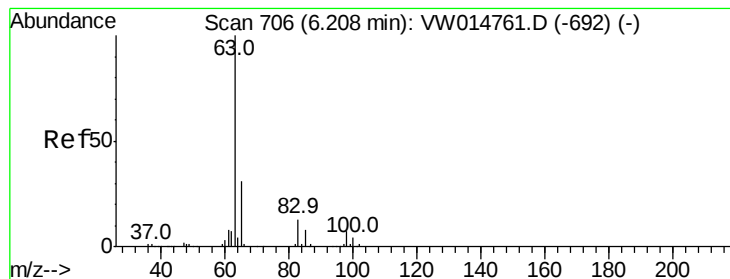
Ion Ratio Lower Upper

96 100

61 143.5 100.2 186.0

98 62.8 43.1 80.1





#19

1,1-Dichloroethane

Concen: 106.790 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

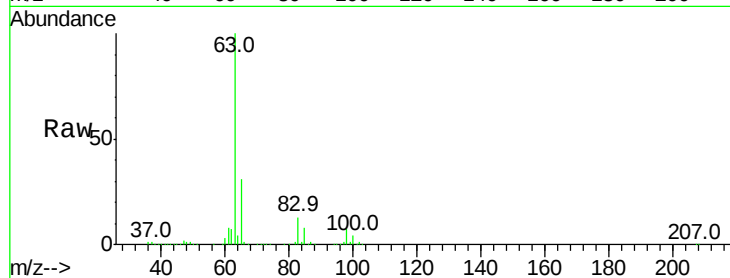
Tgt Ion: 63 Resp: 2723769

Ion Ratio Lower Upper

63 100

65 31.2 21.7 40.3

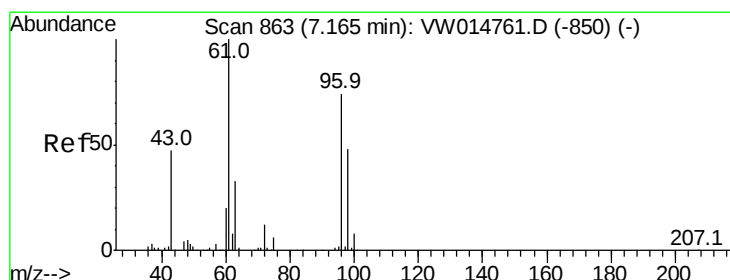
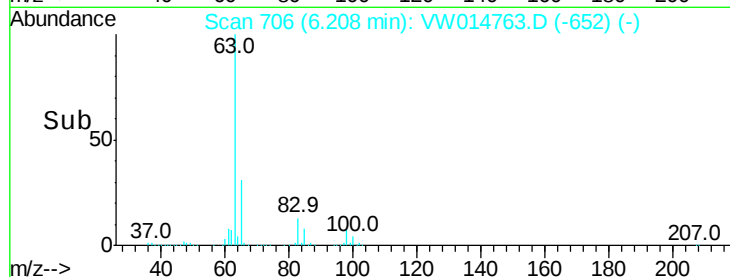
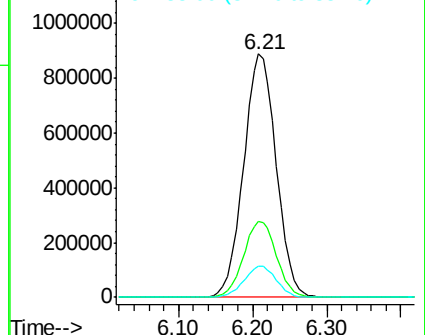
83 12.6 8.8 16.4



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: 202.477 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014763.D

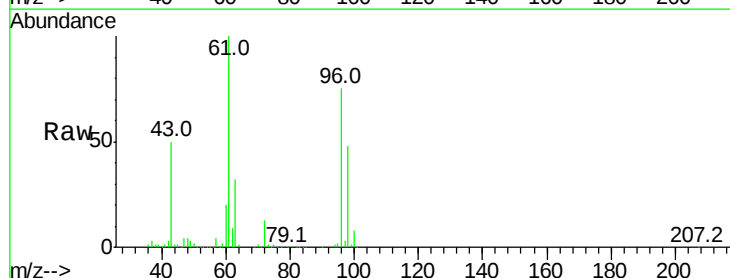
Acq: 27 Jan 2020 12:26

Tgt Ion: 43 Resp: 1056178

Ion Ratio Lower Upper

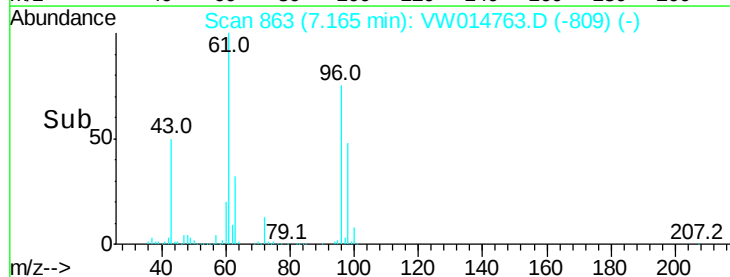
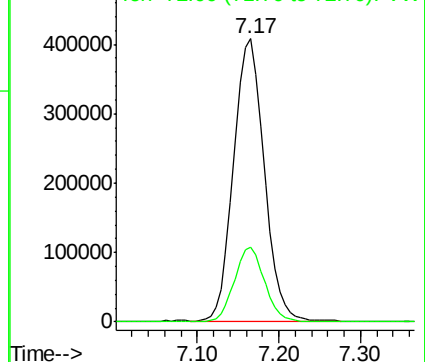
43 100

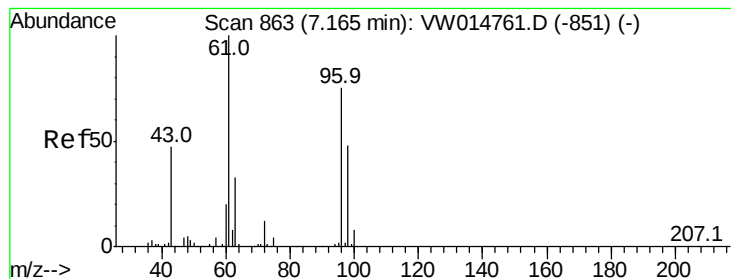
72 26.2 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



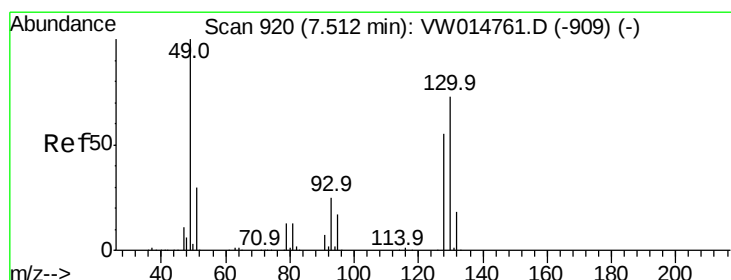
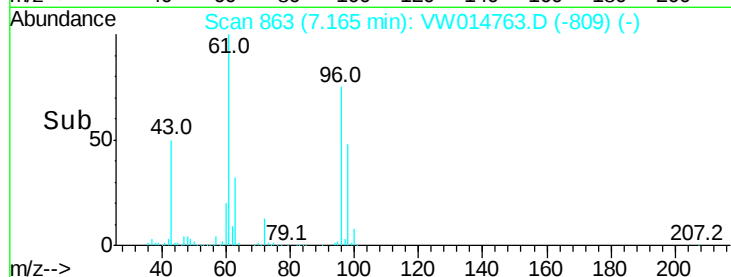
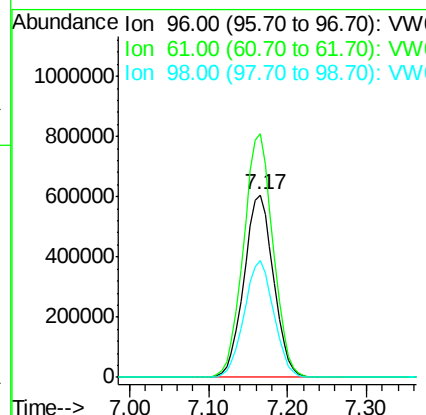
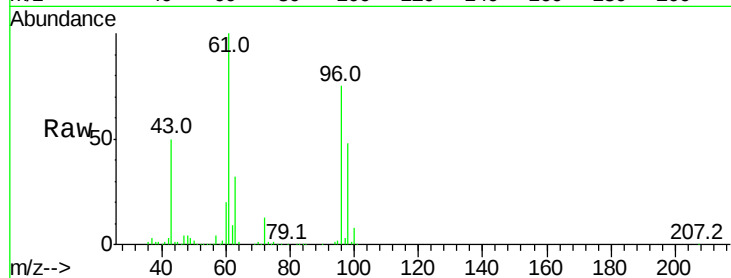


#22

cis-1,2-Dichloroethene
Concen: 106.639 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014763.D
Acq: 27 Jan 2020 12:26

Instrument :
MSVOA_W
ClientSampled :
VSTD10001

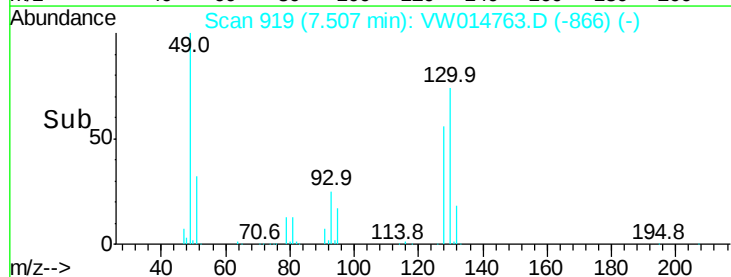
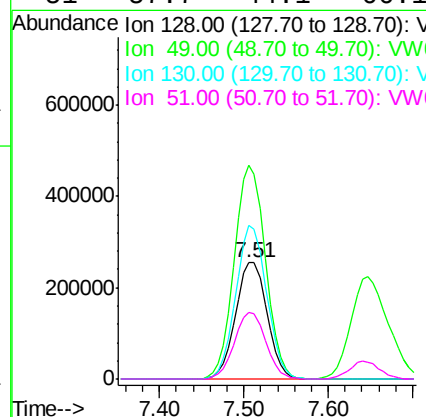
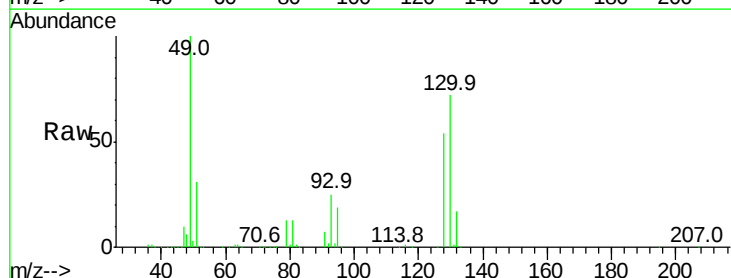
Tgt Ion: 96 Resp: 1583793
Ion Ratio Lower Upper
96 100
61 133.4 94.1 174.7
98 64.3 44.9 83.3

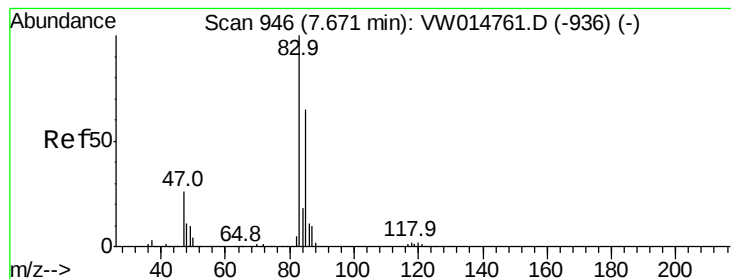


#23

Bromochloromethane
Concen: 100.766 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW014763.D
Acq: 27 Jan 2020 12:26

Tgt Ion: 128 Resp: 647870
Ion Ratio Lower Upper
128 100
49 183.5 127.7 237.1
130 132.3 93.4 173.6
51 57.7 44.1 66.1





#25

Chloroform

Concen: 103.241 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

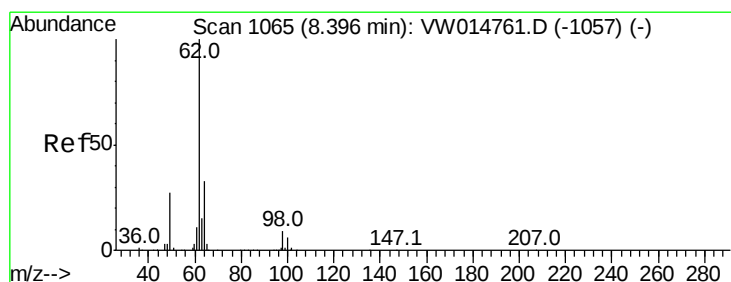
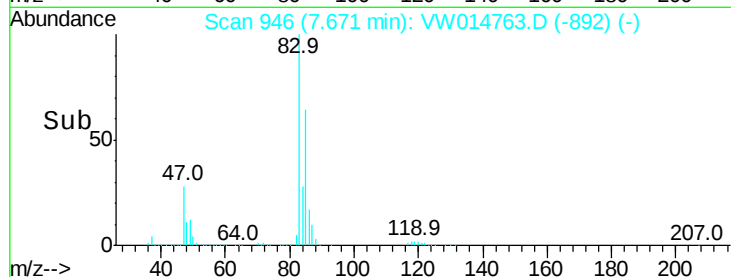
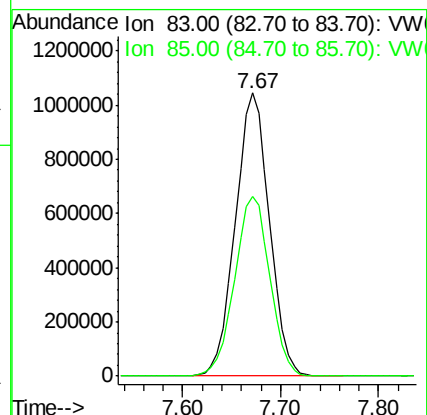
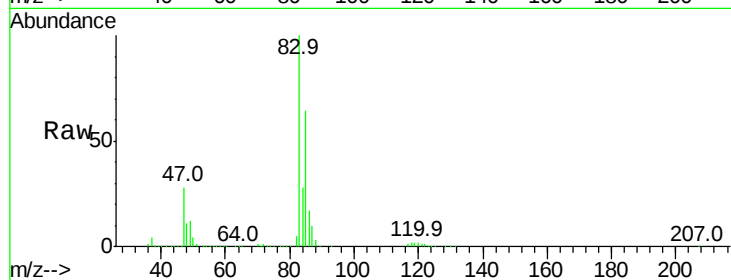
VSTD10001

Tgt Ion: 83 Resp: 2518667

Ion Ratio Lower Upper

83 100

85 65.6 46.0 85.4



#27

1,2-Dichloroethane

Concen: 102.568 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014763.D

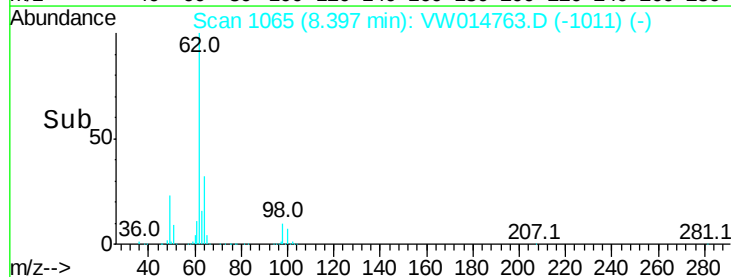
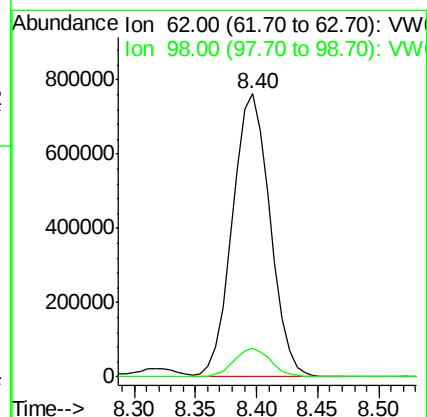
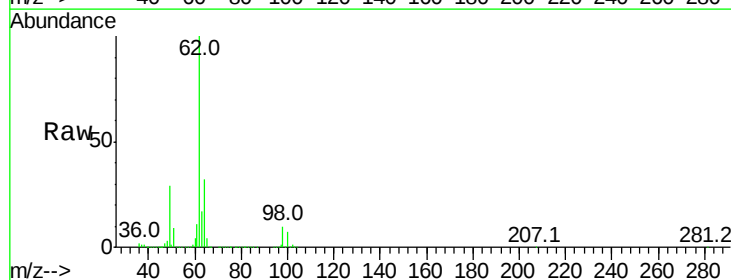
Acq: 27 Jan 2020 12:26

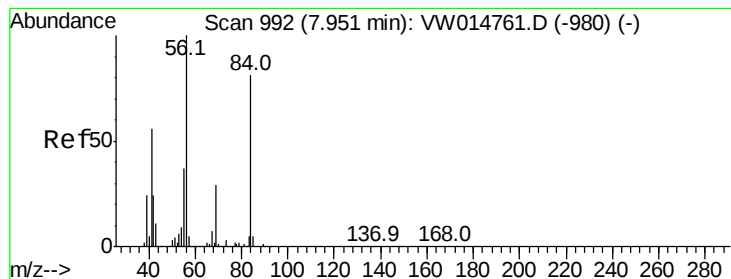
Tgt Ion: 62 Resp: 1624344

Ion Ratio Lower Upper

62 100

98 10.0 7.5 11.3





#30

Cyclohexane

Concen: 115.037 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

Instrument :

MSVOA_W

ClientSampled :

VSTD10001

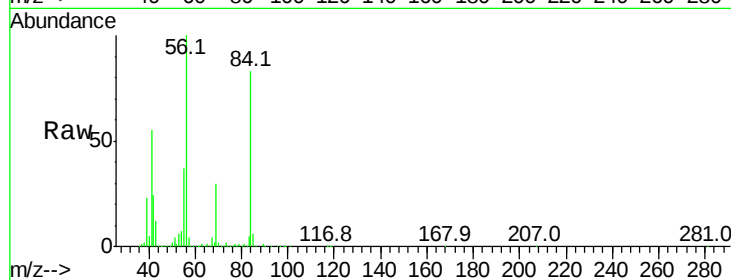
Tgt Ion: 56 Resp: 2746222

Ion Ratio Lower Upper

56 100

69 29.9 23.8 35.6

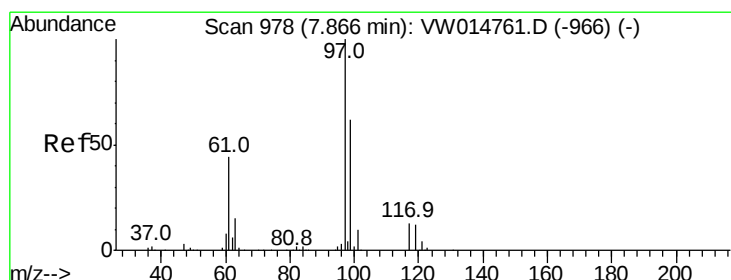
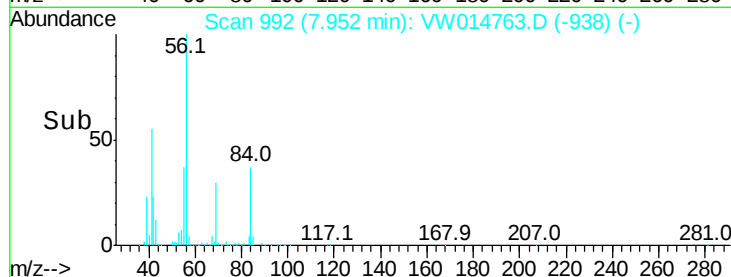
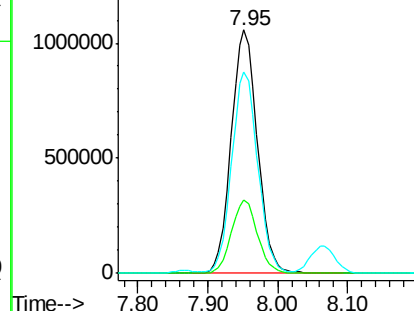
84 82.6 64.8 97.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 104.224 ug/L

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

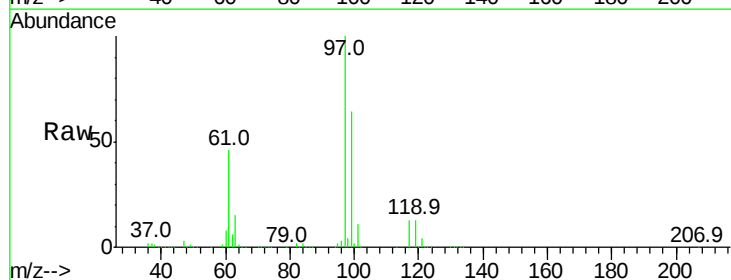
Tgt Ion: 97 Resp: 1995271

Ion Ratio Lower Upper

97 100

99 64.5 50.9 76.3

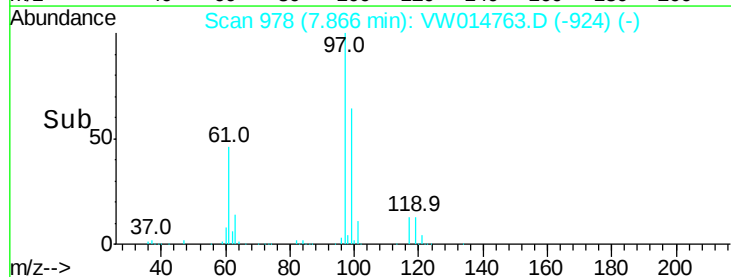
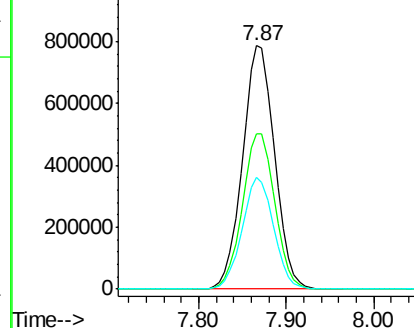
61 45.1 36.4 54.6

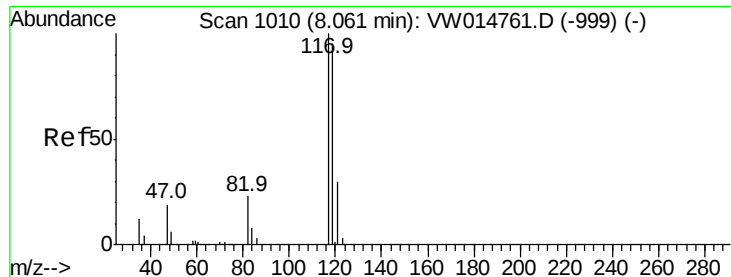


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 107.306 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

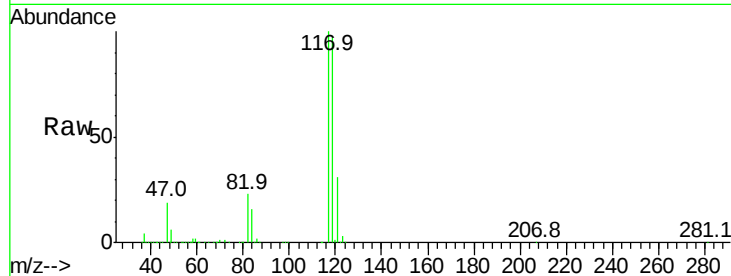
VSTD10001

Tgt Ion:117 Resp: 1913957

Ion Ratio Lower Upper

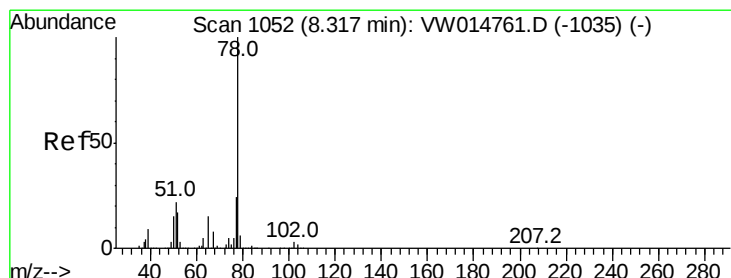
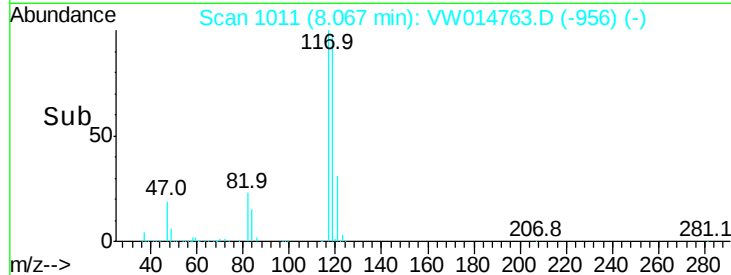
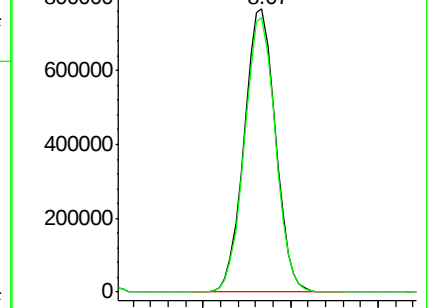
117 100

119 95.9 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 104.050 ug/L

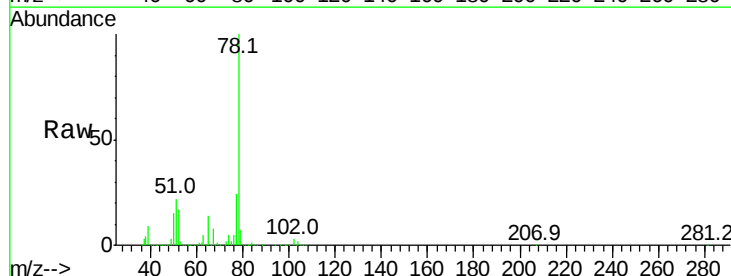
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

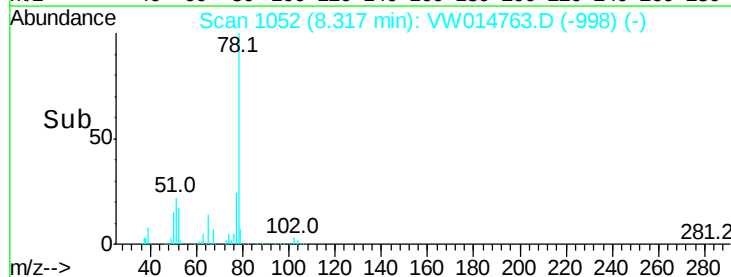
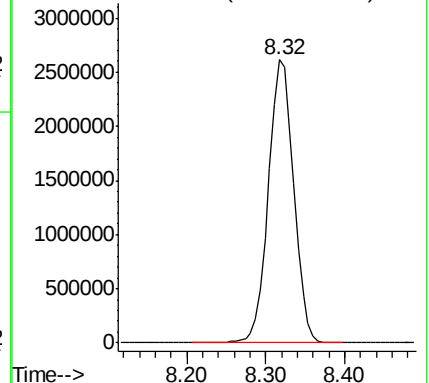
Lab File: VW014763.D

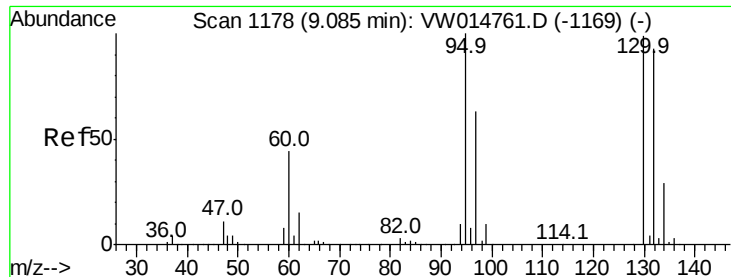
Acq: 27 Jan 2020 12:26

Tgt Ion: 78 Resp: 5843697



Abundance Ion 78.00 (77.70 to 78.70): VW

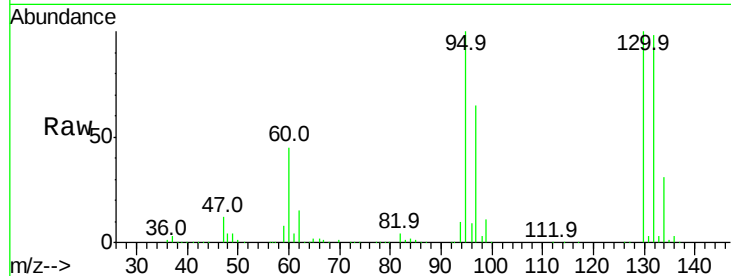




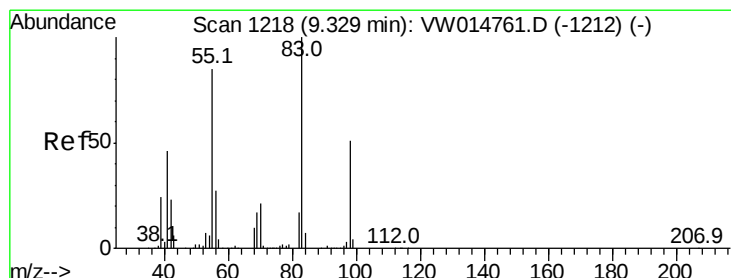
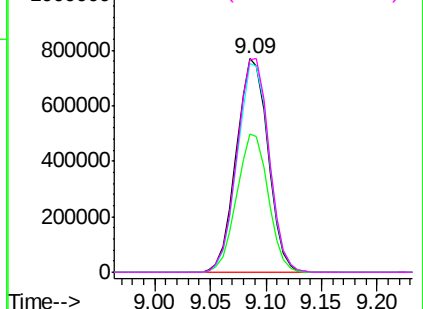
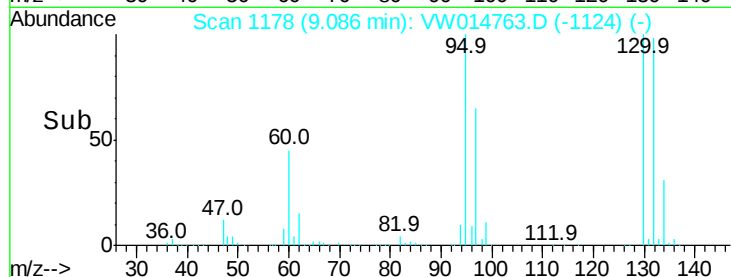
#35
 Trichloroethene
 Concen: 105.010 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW014763.D
 Acq: 27 Jan 2020 12:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

Tgt Ion: 95 Resp: 1522086
 Ion Ratio Lower Upper
 95 100
 97 64.5 44.3 82.3
 132 97.8 67.1 124.7
 130 101.5 69.9 129.7

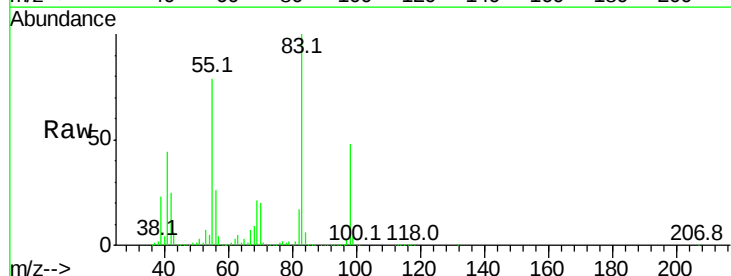


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

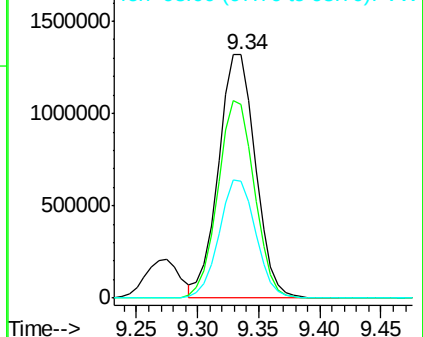
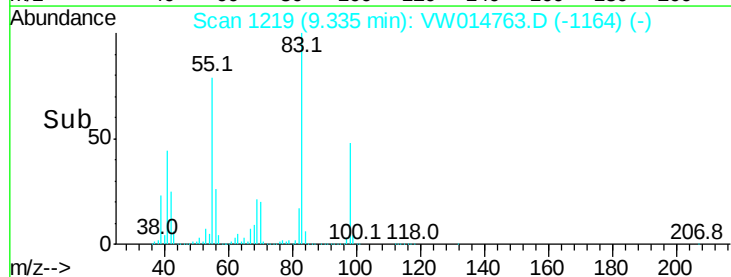


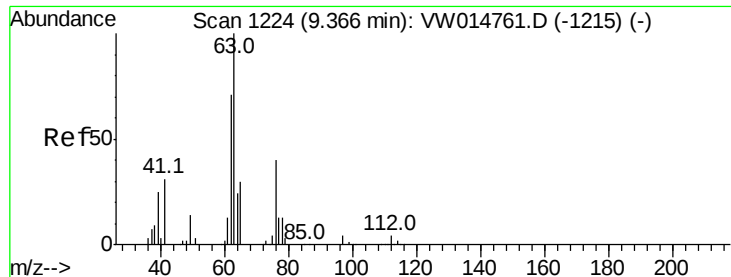
#36
 Methylcyclohexane
 Concen: 108.598 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW014763.D
 Acq: 27 Jan 2020 12:26

Tgt Ion: 83 Resp: 2761559
 Ion Ratio Lower Upper
 83 100
 55 80.5 65.6 98.4
 98 48.2 38.0 57.0



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

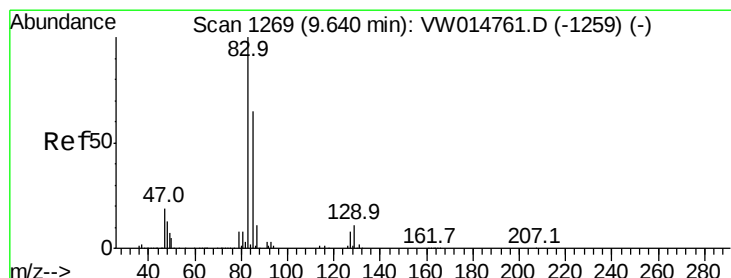
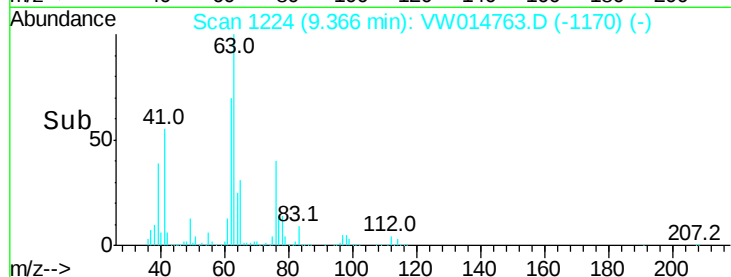
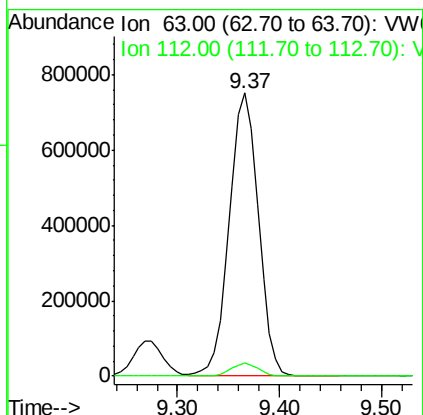
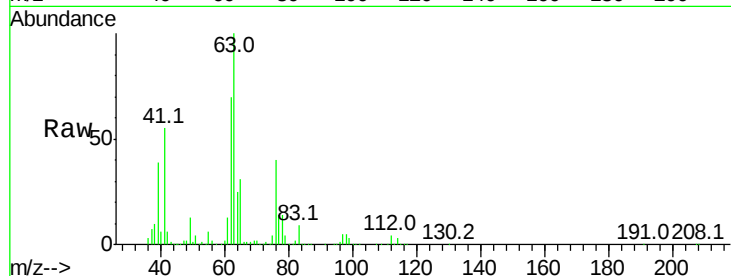




#40
 1,2-Dichloropropane
 Concen: 104.194 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014763.D
 Acq: 27 Jan 2020 12:26

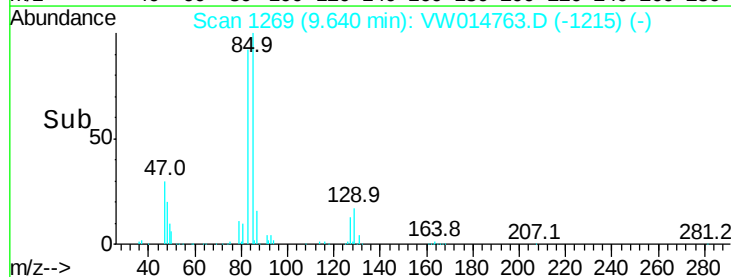
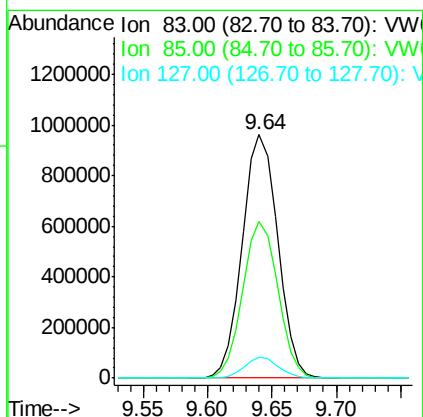
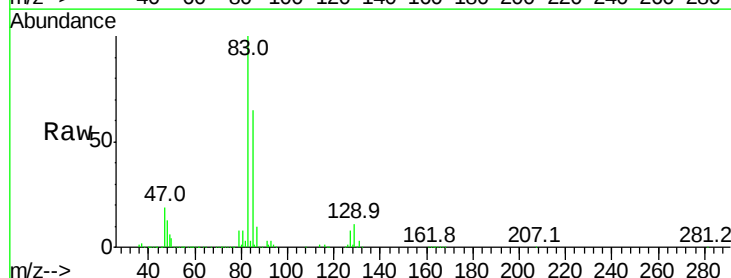
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

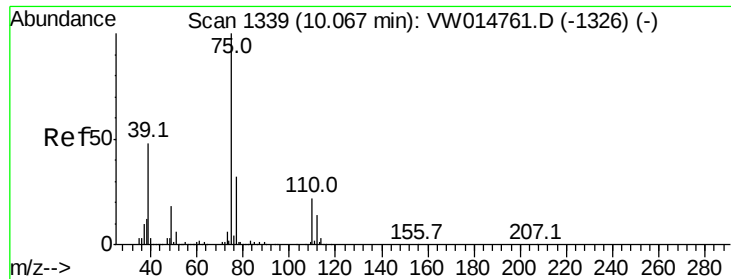
Tgt Ion: 63 Resp: 1481113
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#41
 Bromodichloromethane
 Concen: 107.303 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014763.D
 Acq: 27 Jan 2020 12:26

Tgt Ion: 83 Resp: 1834710
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.7 84.9
 127 8.4 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 112.655 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

Instrument :

MSVOA_W

ClientSampled :

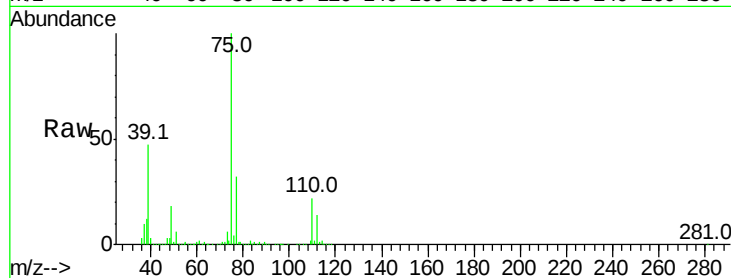
VSTD10001

Tgt Ion: 75 Resp: 2392144

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

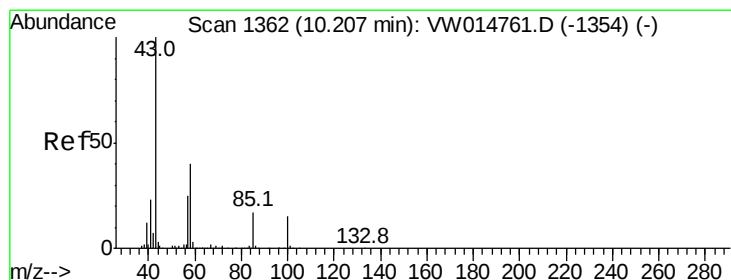
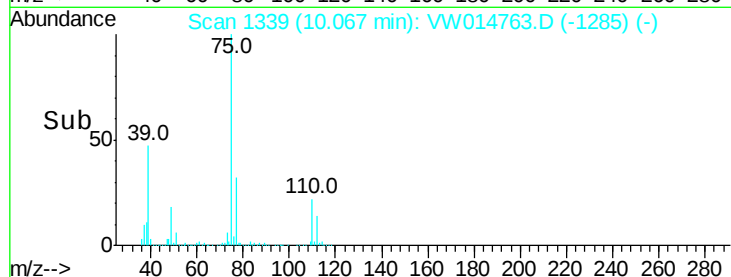
1500000

1000000

500000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 217.289 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

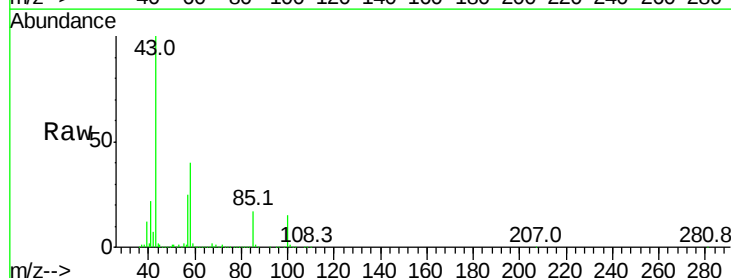
Tgt Ion: 43 Resp: 1982831

Ion Ratio Lower Upper

43 100

58 39.6 30.9 46.3

100 15.1 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

2500000

2000000

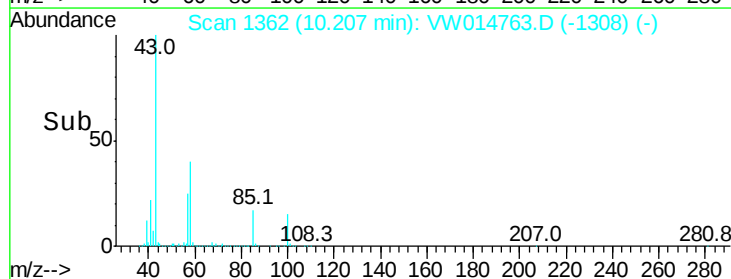
1500000

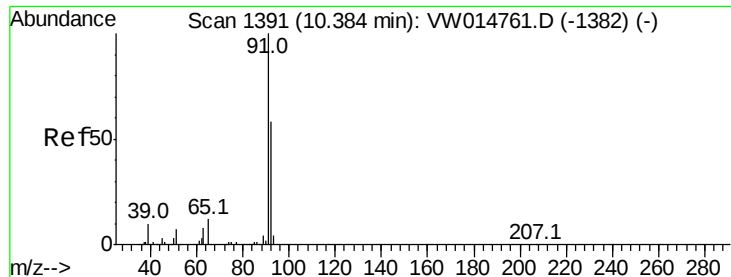
1000000

500000

0

Time-->





#44

Toluene

Concen: 103.857 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

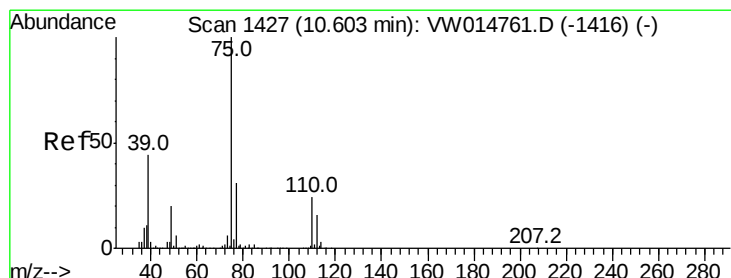
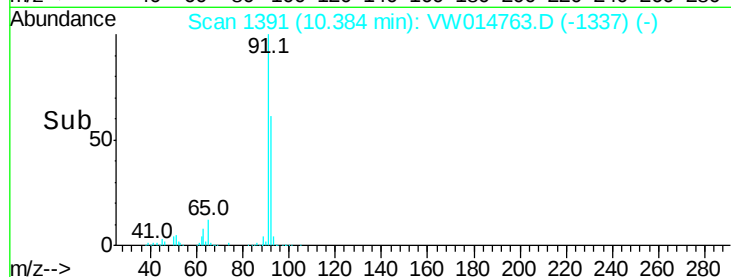
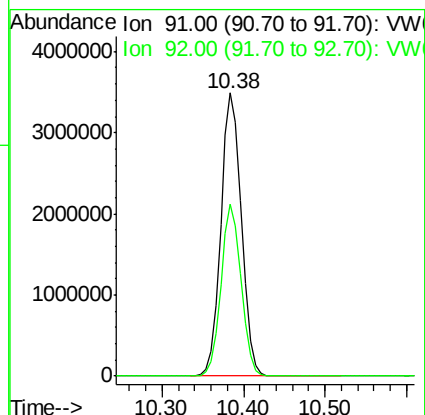
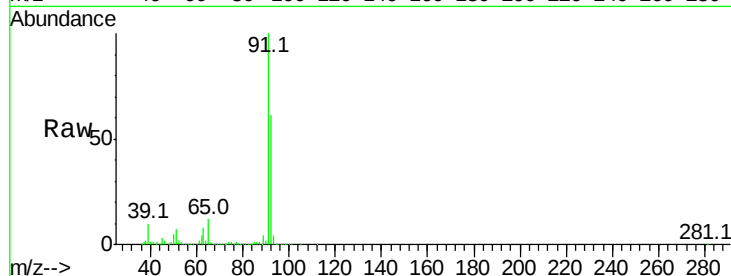
VSTD10001

Tgt Ion: 91 Resp: 6095454

Ion Ratio Lower Upper

91 100

92 60.7 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 111.754 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014763.D

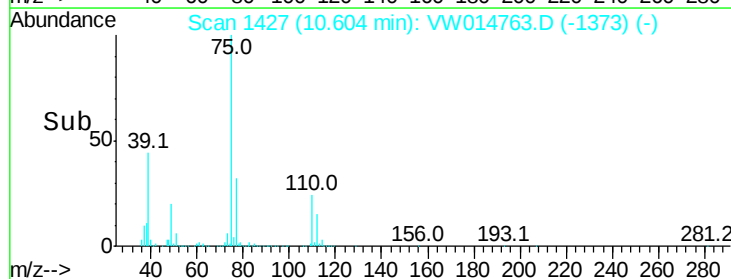
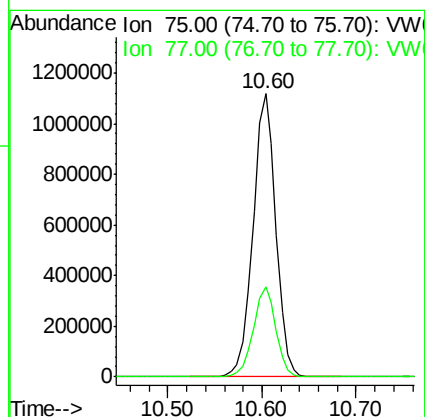
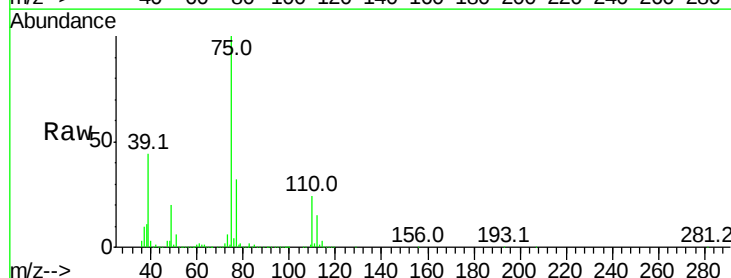
Acq: 27 Jan 2020 12:26

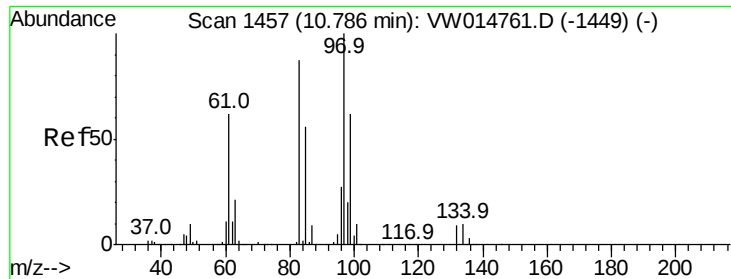
Tgt Ion: 75 Resp: 1897454

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.0

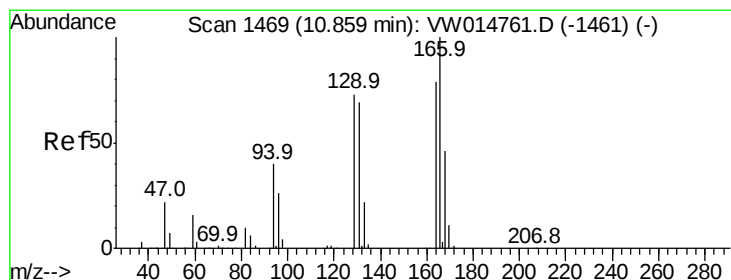
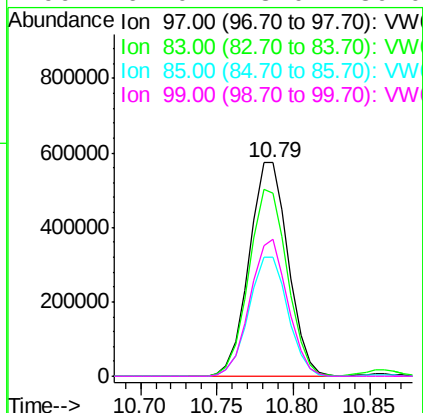
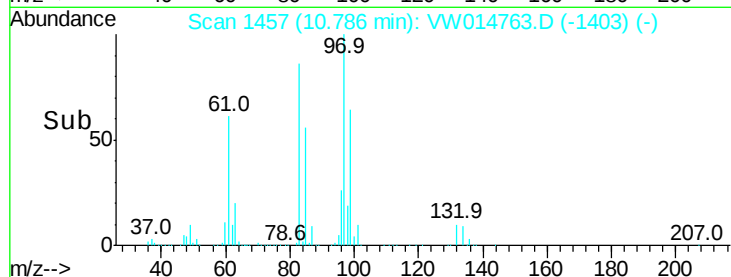
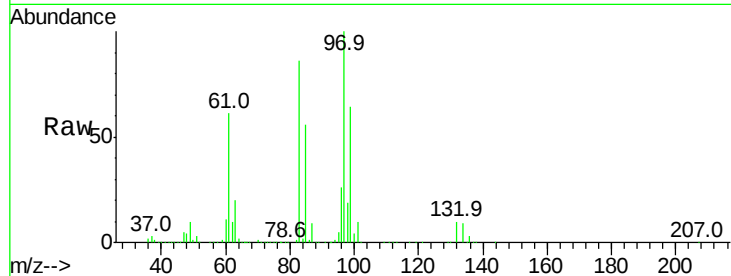




#46
 1,1,2-Trichloroethane
 Concen: 101.635 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014763.D
 Acq: 27 Jan 2020 12:26

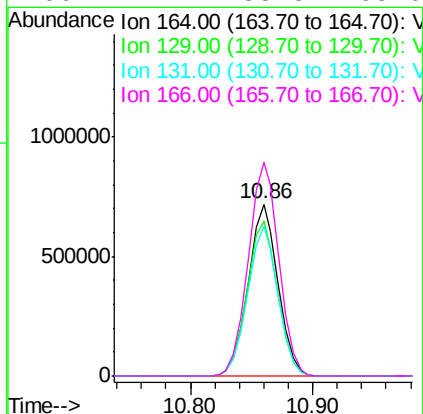
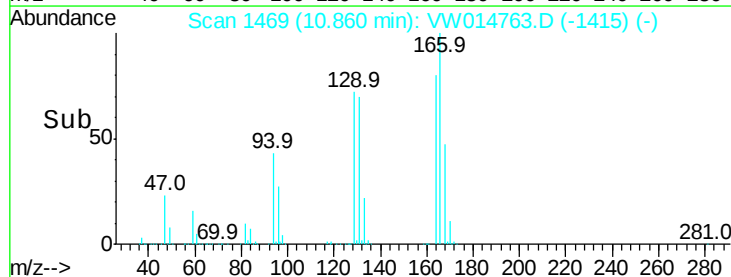
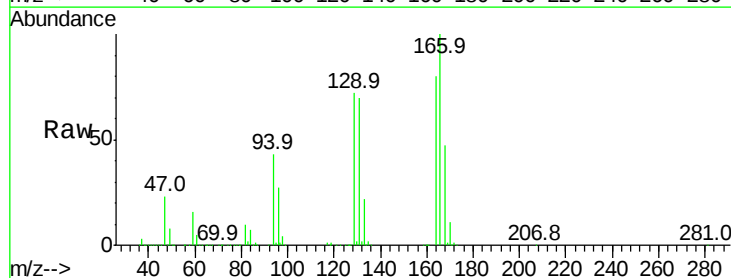
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

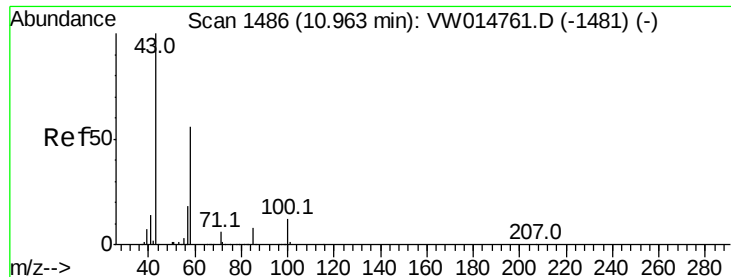
Tgt Ion: 97 Resp: 1023319
 Ion Ratio Lower Upper
 97 100
 83 85.5 60.9 113.1
 85 55.5 39.2 72.8
 99 64.0 43.0 80.0



#47
 Tetrachloroethene
 Concen: 99.891 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW014763.D
 Acq: 27 Jan 2020 12:26

Tgt Ion: 164 Resp: 1215748
 Ion Ratio Lower Upper
 164 100
 129 90.0 64.4 119.6
 131 87.1 61.2 113.6
 166 124.4 88.8 165.0



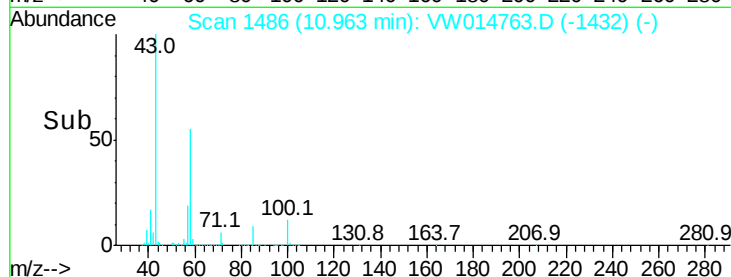
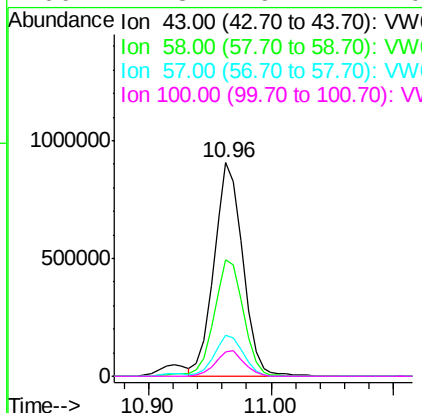
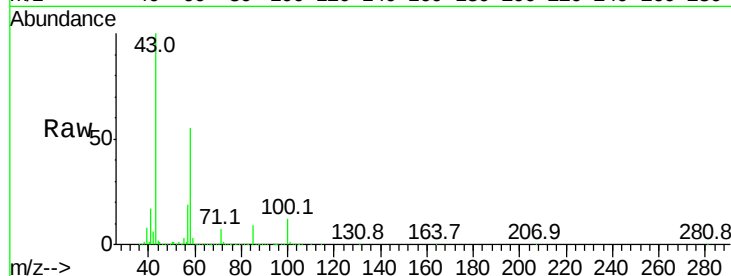


#49
2-Hexanone
Concen: 238.490 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014763.D
Acq: 27 Jan 2020 12:26

Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

Tgt Ion: 43 Resp: 1486113

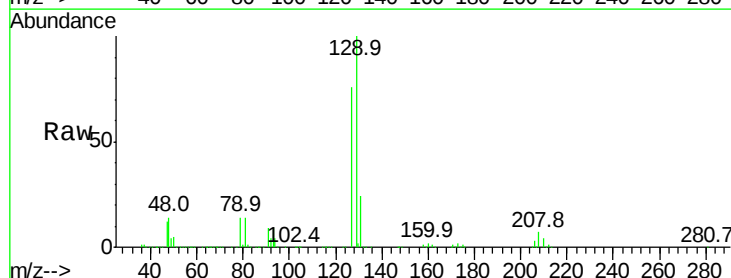
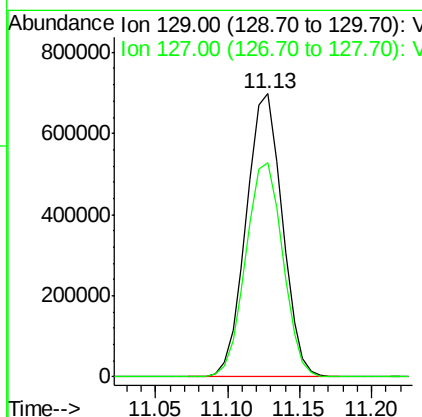
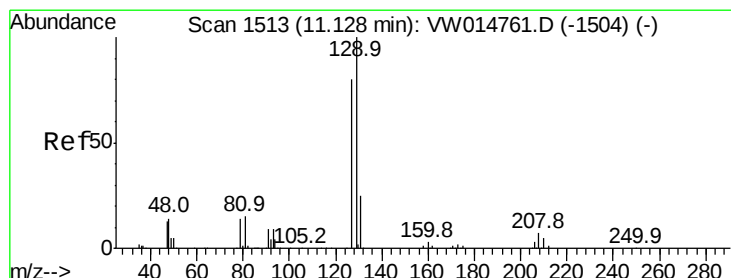
Ion	Ratio	Lower	Upper
43	100		
58	55.1	43.2	64.8
57	19.1	14.7	22.1
100	11.8	9.4	14.0

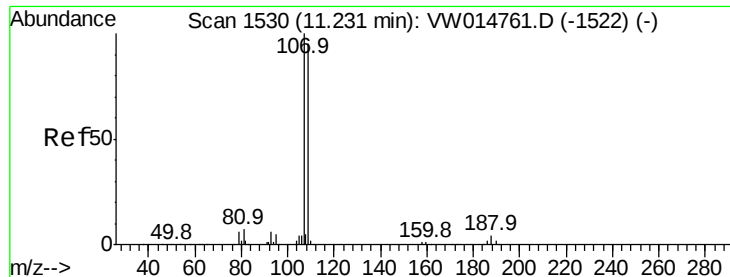


#50
Dibromochloromethane
Concen: 106.169 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014763.D
Acq: 27 Jan 2020 12:26

Tgt Ion: 129 Resp: 1213789

Ion	Ratio	Lower	Upper
129	100		
127	75.6	55.7	103.5

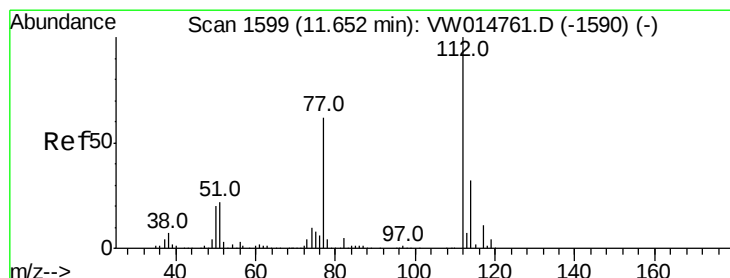
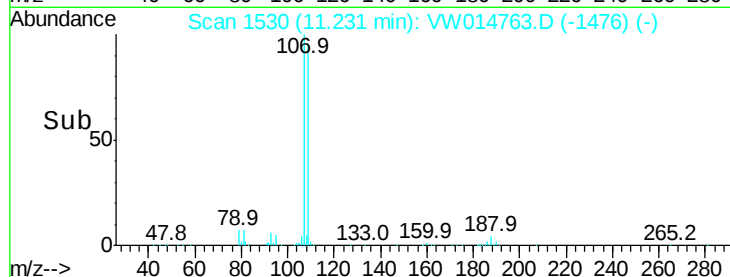
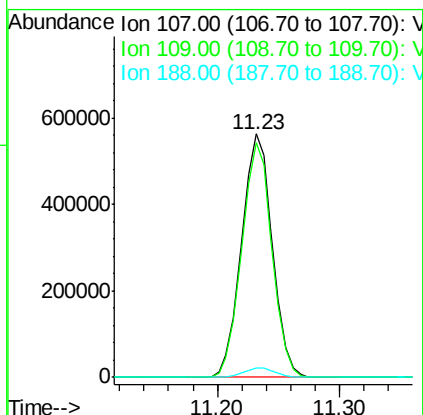
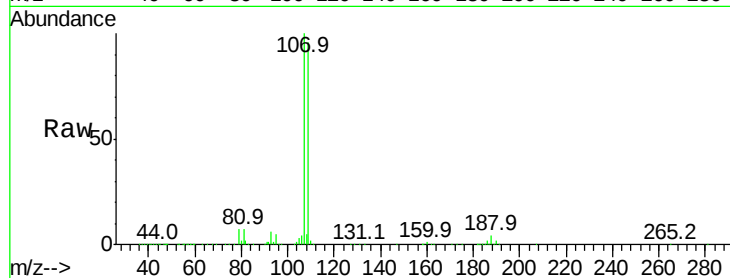




#51
1,2-Dibromoethane
Concen: 102.962 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014763.D
Acq: 27 Jan 2020 12:26

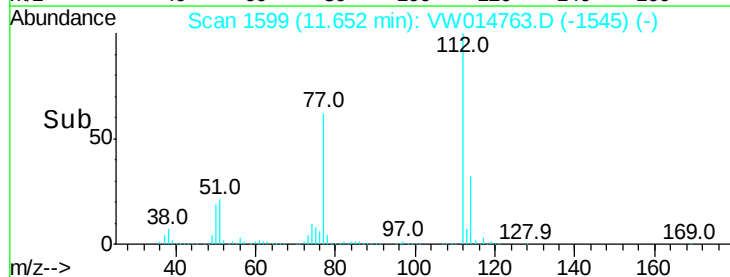
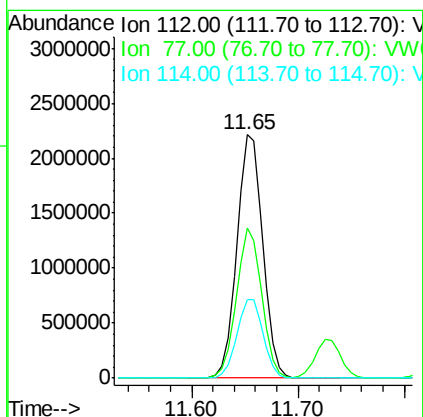
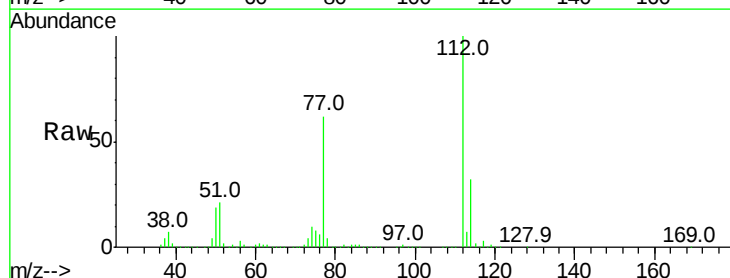
Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

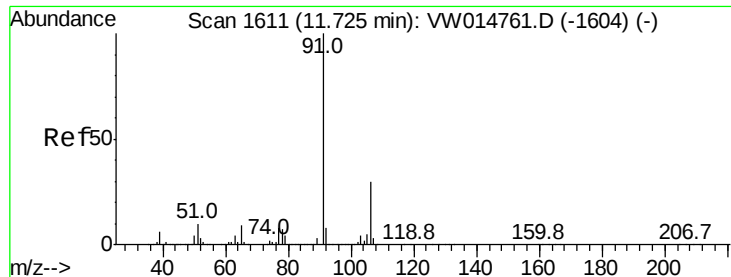
Tgt Ion:107 Resp: 978582
Ion Ratio Lower Upper
107 100
109 96.3 66.6 123.8
188 3.8 3.0 4.6



#52
Chlorobenzene
Concen: 101.488 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014763.D
Acq: 27 Jan 2020 12:26

Tgt Ion:112 Resp: 3765289
Ion Ratio Lower Upper
112 100
77 61.8 49.2 73.8
114 32.0 22.5 41.7

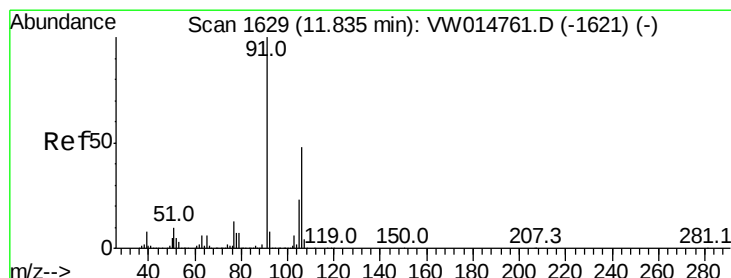
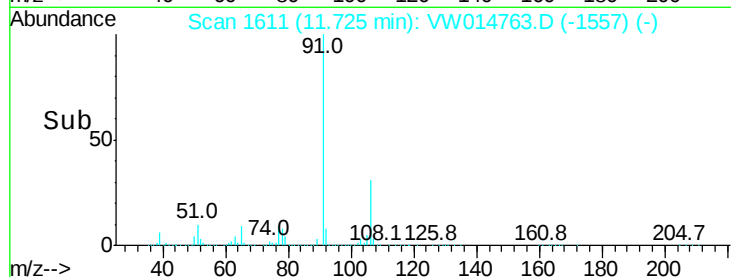
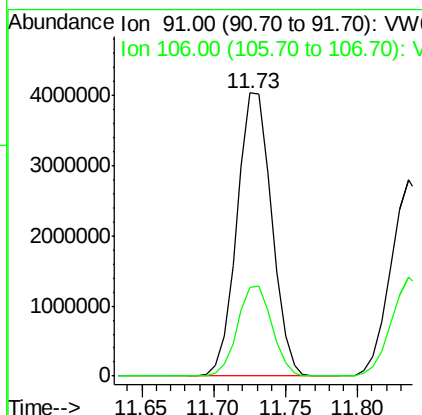
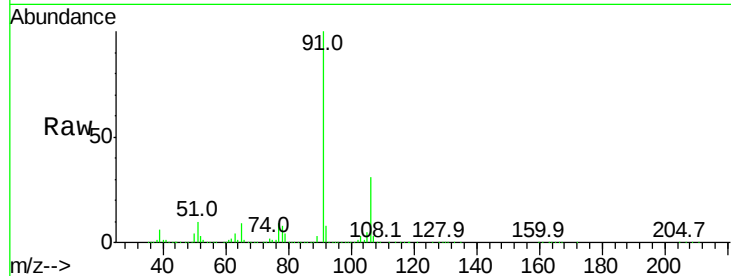




#53
Ethylbenzene
Concen: 105.063 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014763.D
Acq: 27 Jan 2020 12:26

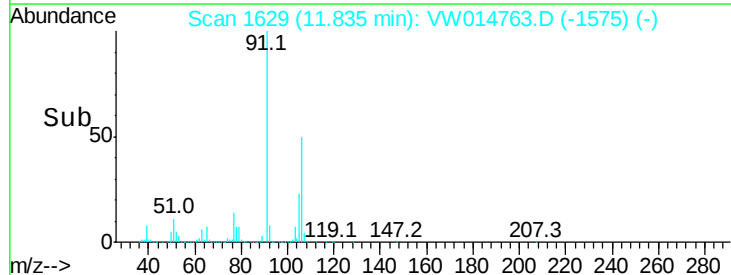
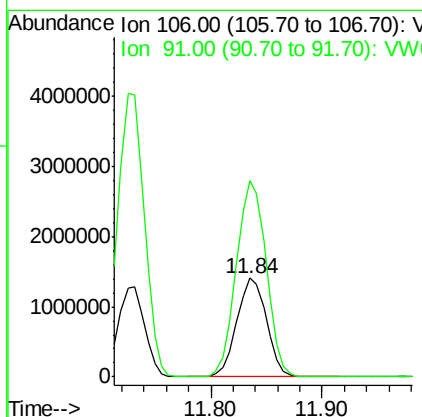
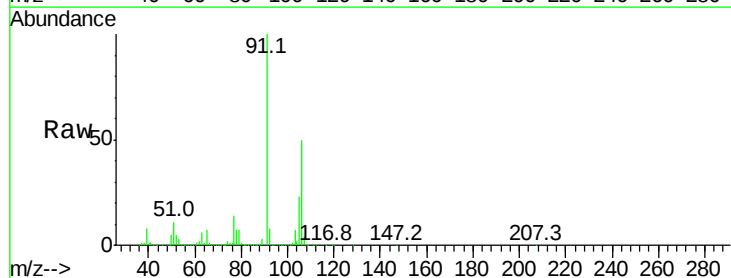
Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

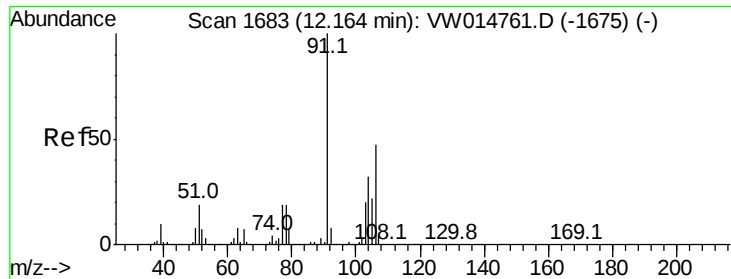
Tgt Ion: 91 Resp: 6779739
Ion Ratio Lower Upper
91 100
106 31.3 21.1 39.3



#54
m,p-Xylene
Concen: 106.422 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014763.D
Acq: 27 Jan 2020 12:26

Tgt Ion: 106 Resp: 2598798
Ion Ratio Lower Upper
106 100
91 198.7 146.2 271.6





#55

o-xylene

Concen: 106.928 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

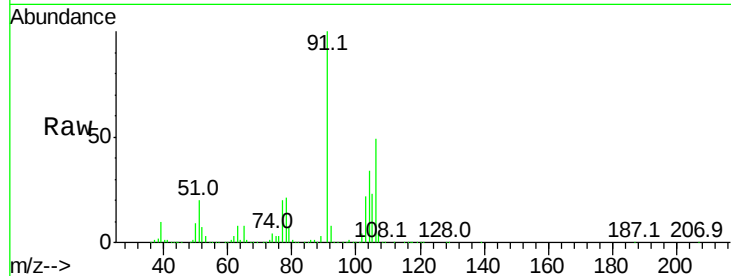
VSTD10001

Tgt Ion:106 Resp: 2466379

Ion Ratio Lower Upper

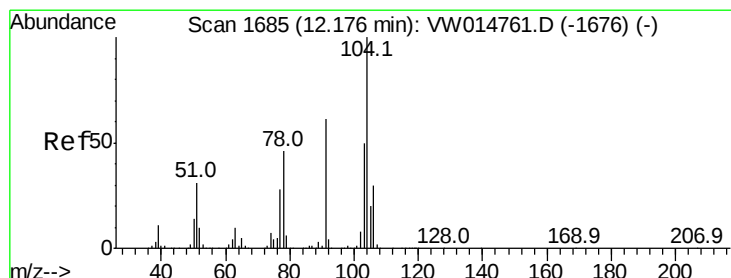
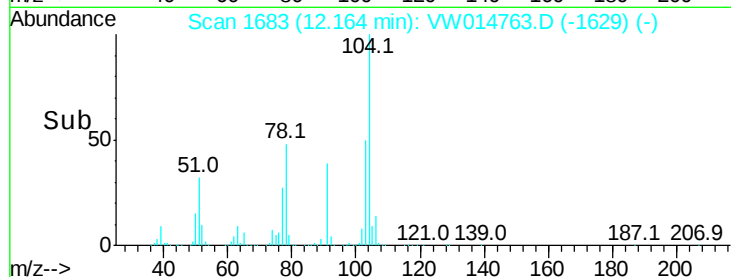
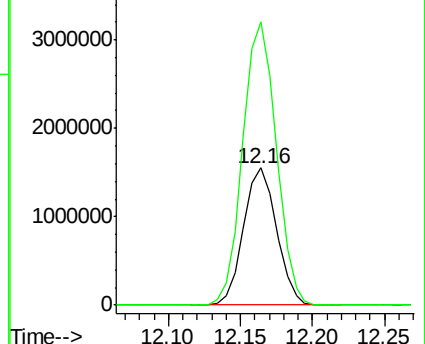
106 100

91 206.2 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 107.068 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014763.D

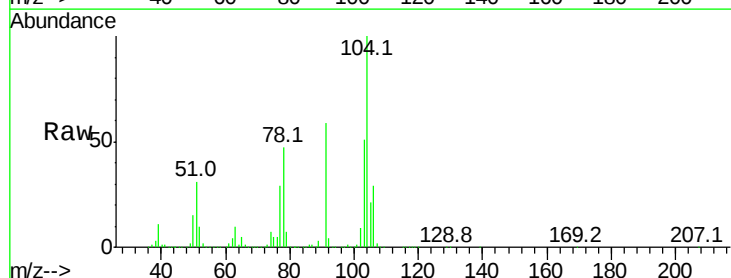
Acq: 27 Jan 2020 12:26

Tgt Ion:104 Resp: 4156644

Ion Ratio Lower Upper

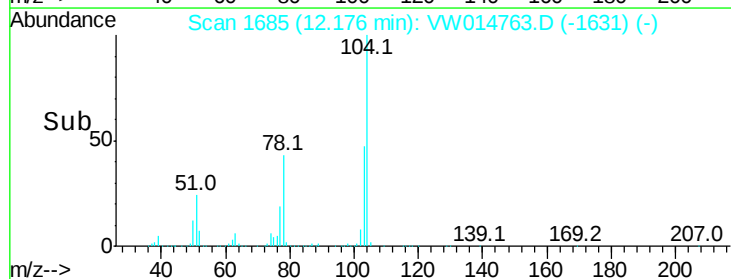
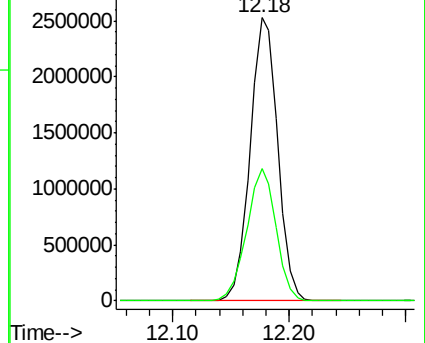
104 100

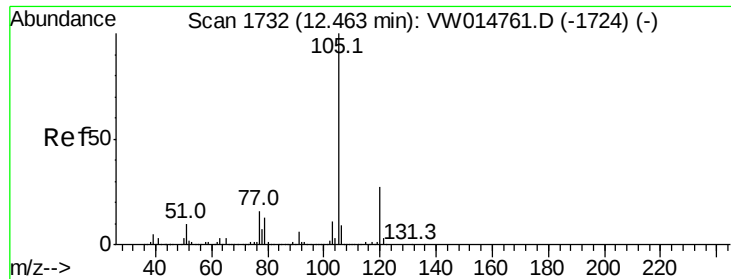
78 46.9 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 105.764 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

Instrument :

MSVOA_W

ClientSampled :

VSTD10001

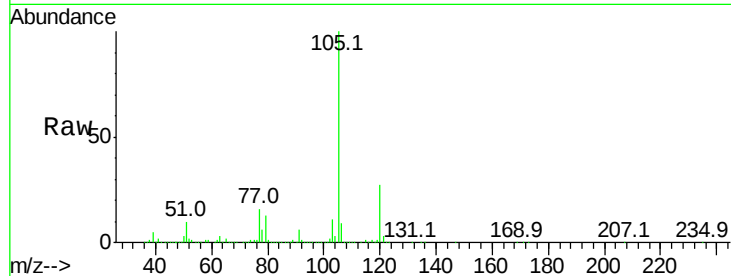
Tgt Ion:105 Resp: 6489183

Ion Ratio Lower Upper

105 100

120 27.3 21.1 31.7

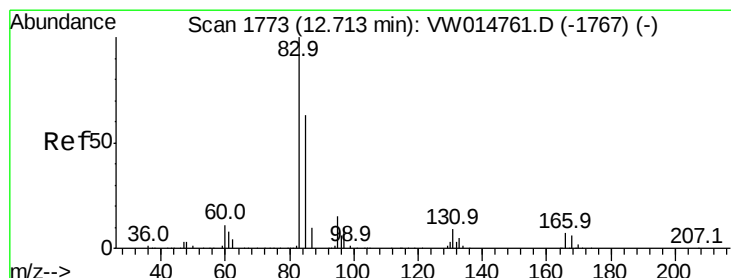
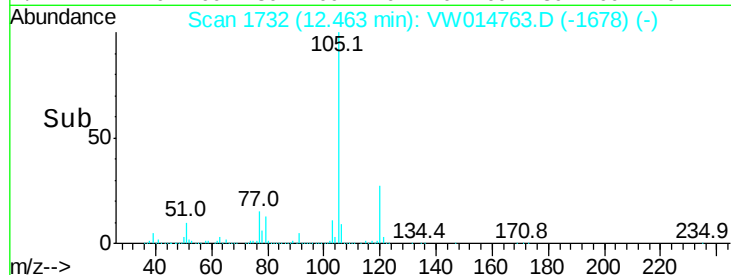
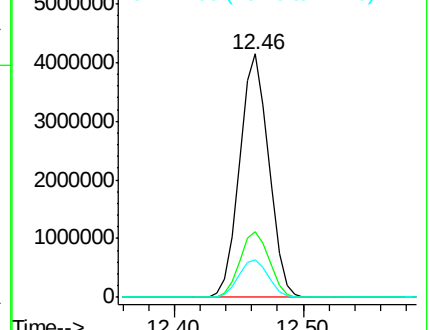
77 15.8 13.0 19.4



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: 100.376 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

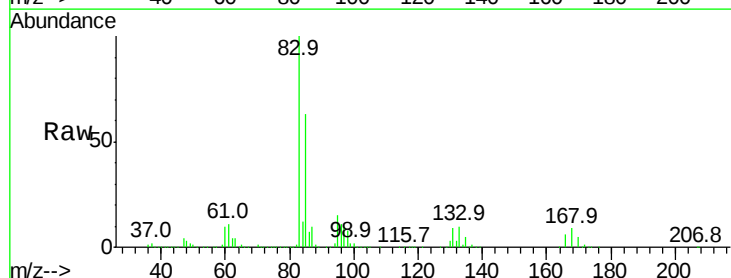
Tgt Ion: 83 Resp: 1227083

Ion Ratio Lower Upper

83 100

85 63.3 45.0 83.6

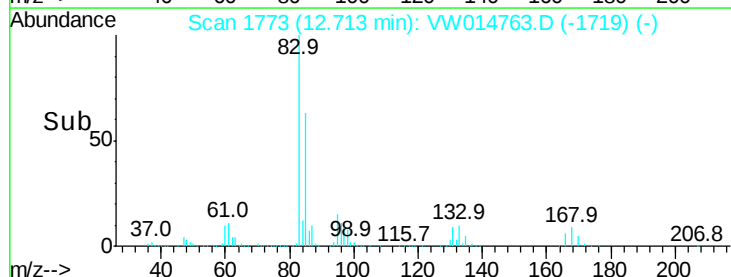
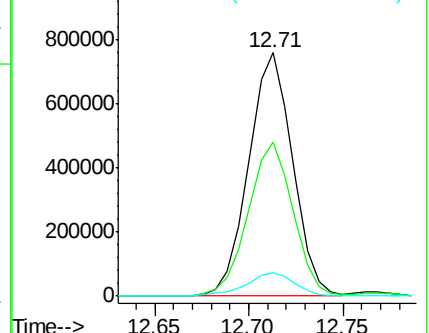
131 9.5 7.6 11.4

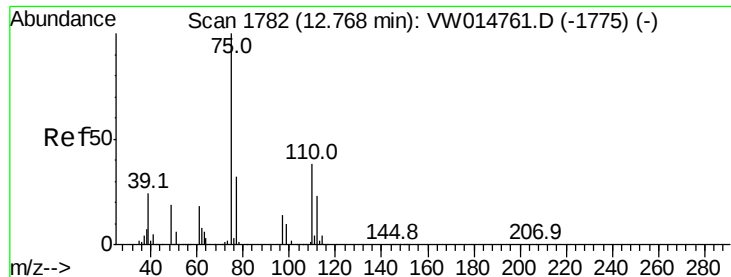


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 99.005 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

Instrument :

MSVOA_W

ClientSampleId :

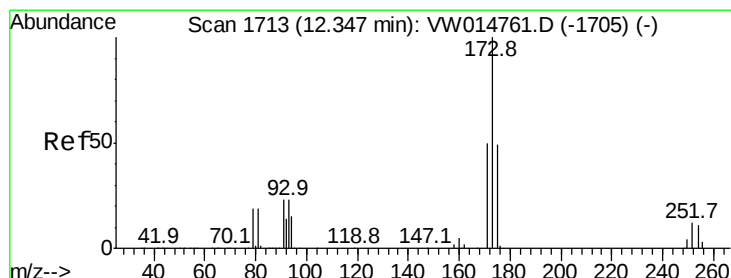
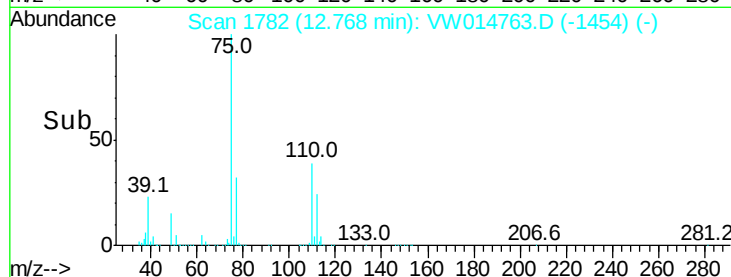
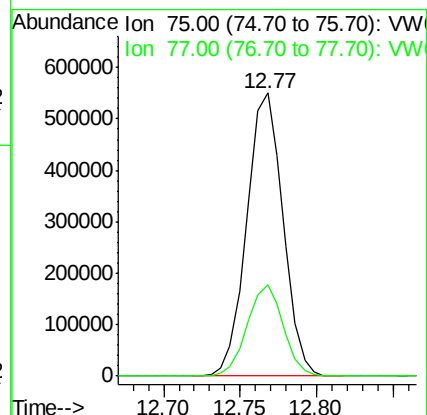
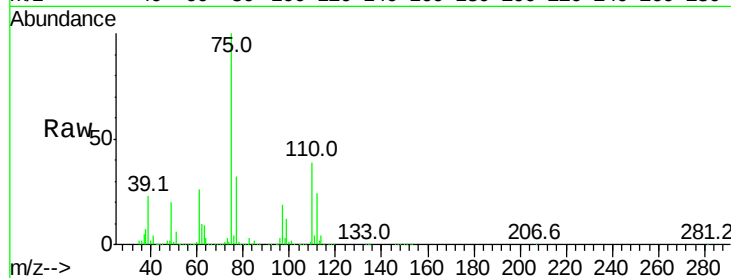
VSTD10001

Tgt Ion: 75 Resp: 906679

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



#62

Bromoform

Concen: 108.411 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014763.D

Acq: 27 Jan 2020 12:26

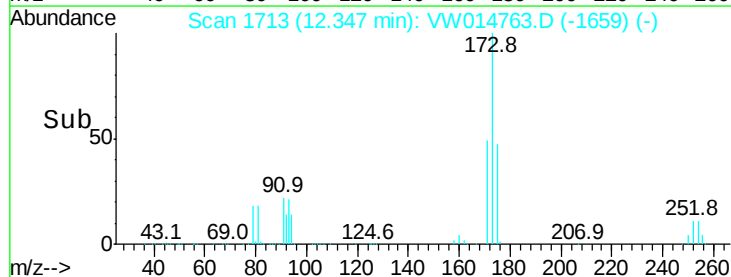
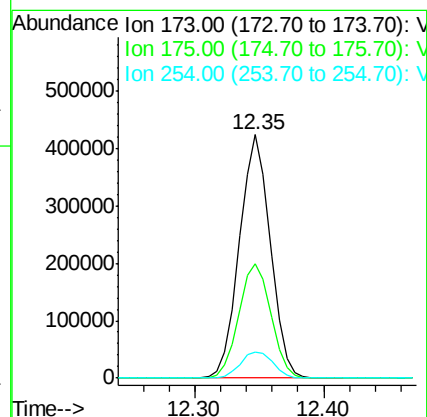
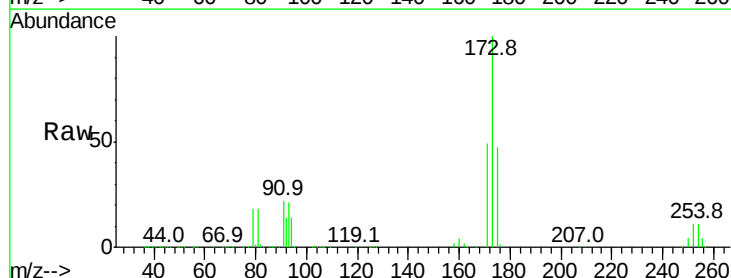
Tgt Ion: 173 Resp: 703133

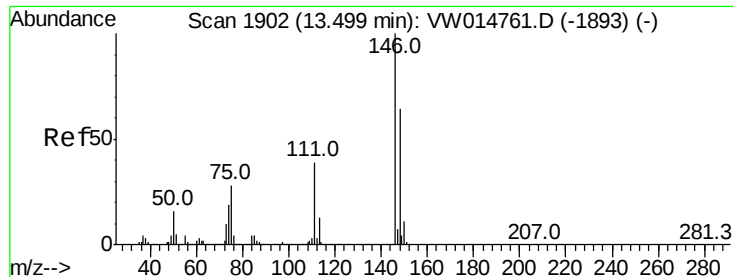
Ion Ratio Lower Upper

173 100

175 48.7 39.8 59.8

254 11.4 8.9 13.3

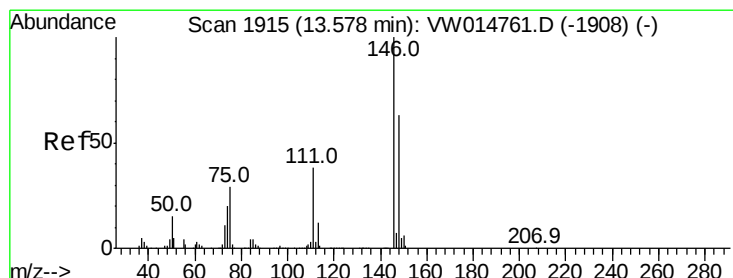
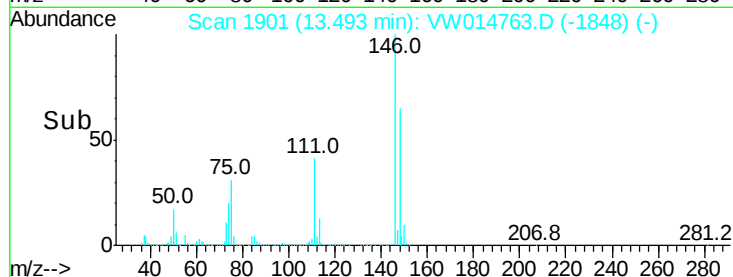
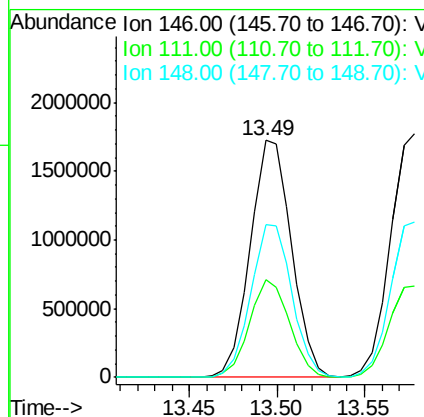
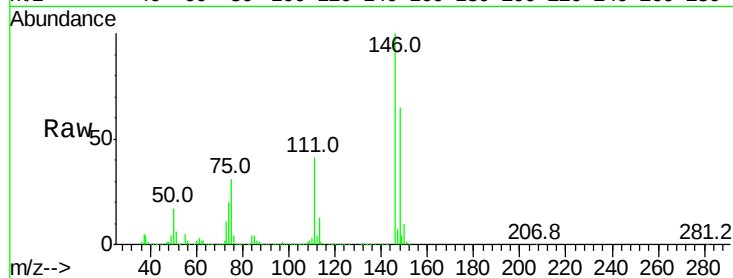




#63
 1,3-Dichlorobenzene
 Concen: 103.749 ug/L
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW014763.D
 Acq: 27 Jan 2020 12:26

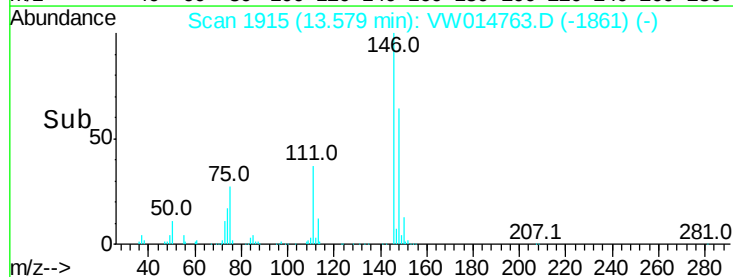
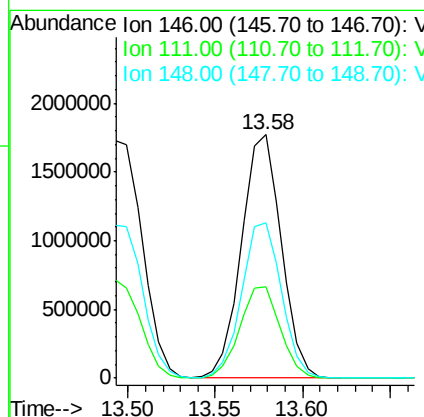
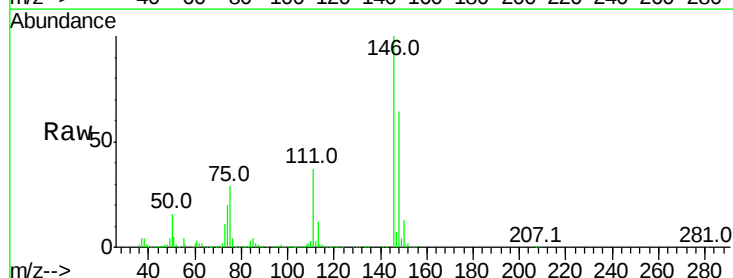
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

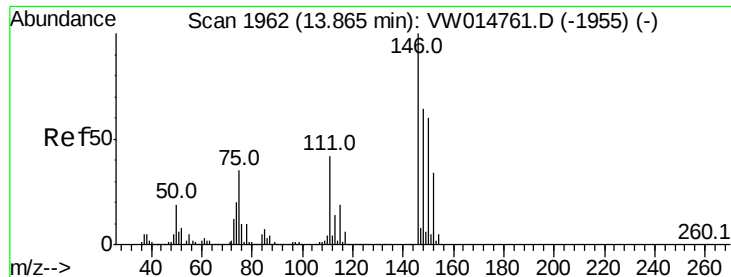
Tgt Ion:146 Resp: 2850916
 Ion Ratio Lower Upper
 146 100
 111 41.0 27.1 50.3
 148 64.7 44.5 82.7



#64
 1,4-Dichlorobenzene
 Concen: 101.575 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014763.D
 Acq: 27 Jan 2020 12:26

Tgt Ion:146 Resp: 2814425
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.4 49.0
 148 63.7 43.9 81.5

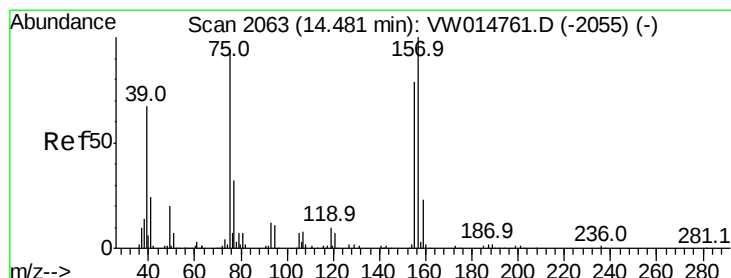
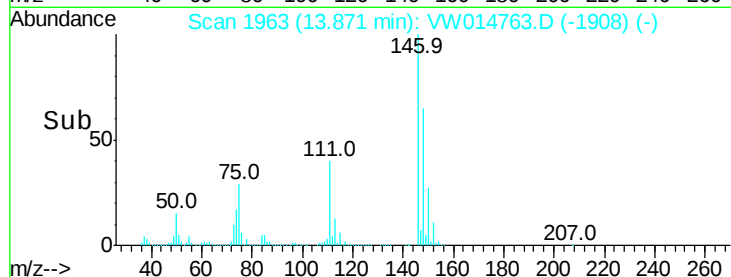
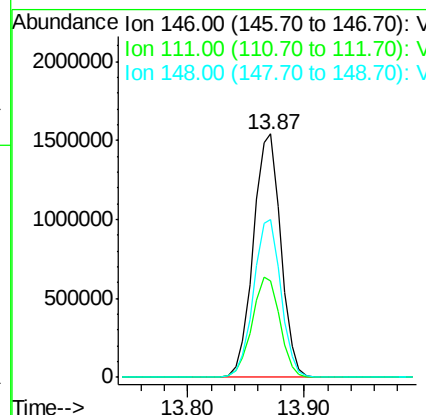
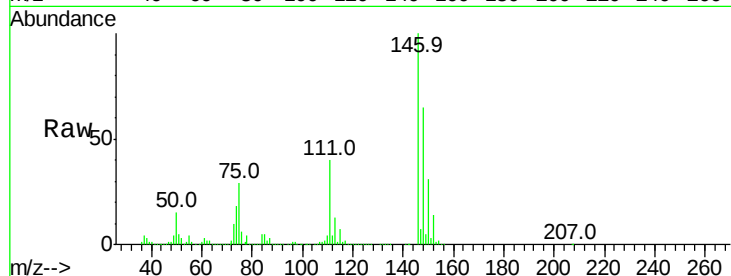




#65
 1,2-Dichlorobenzene
 Concen: 103.235 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014763.D
 Acq: 27 Jan 2020 12:26

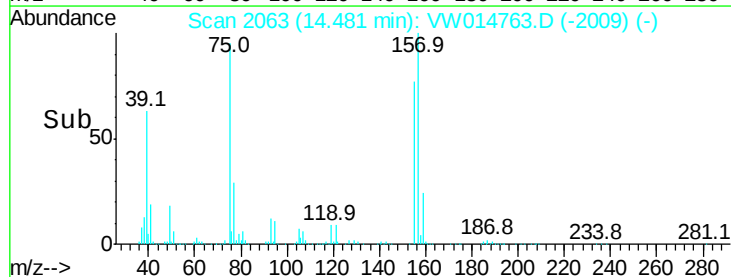
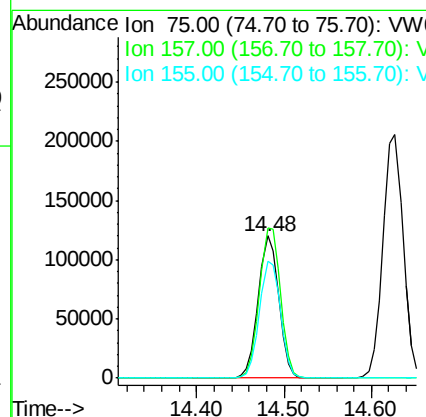
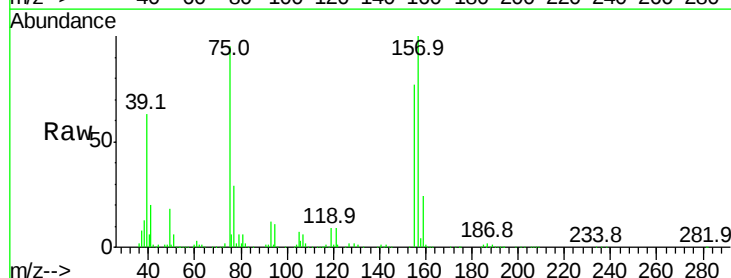
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

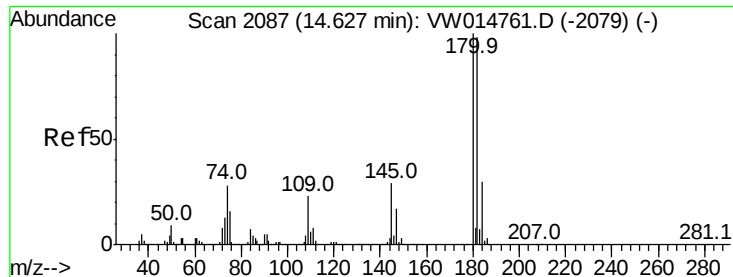
Tgt Ion:146 Resp: 2543065
 Ion Ratio Lower Upper
 146 100
 111 39.7 33.4 50.2
 148 65.1 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 107.537 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014763.D
 Acq: 27 Jan 2020 12:26

Tgt Ion: 75 Resp: 196166
 Ion Ratio Lower Upper
 75 100
 157 105.8 84.9 127.3
 155 81.7 67.1 100.7

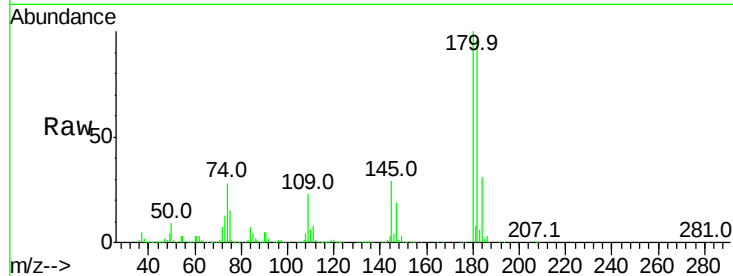




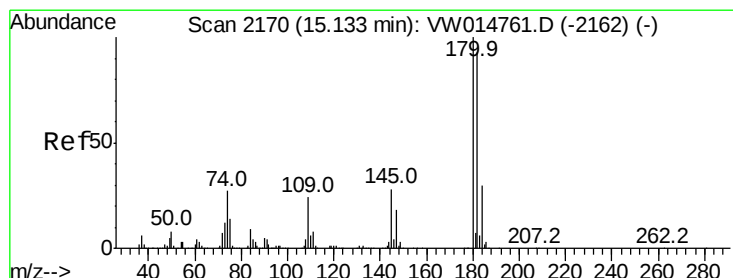
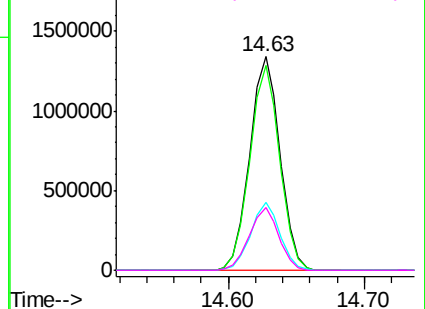
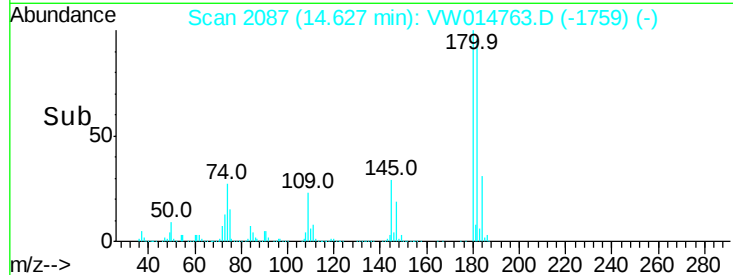
#67
 1,3,5-Trichlorobenzene
 Concen: 102.770 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014763.D
 Acq: 27 Jan 2020 12:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

Tgt Ion:180 Resp: 2091958
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.2 114.4
 184 30.8 24.2 36.4
 145 28.7 22.8 34.2

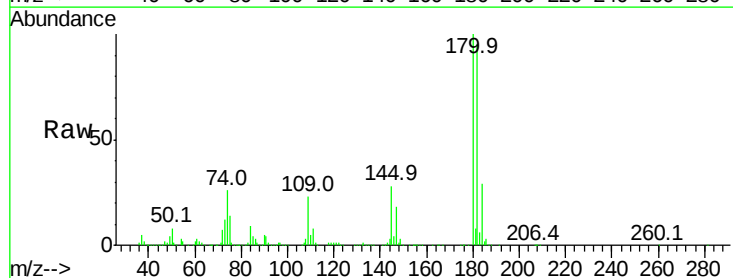


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 111.361 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014763.D
 Acq: 27 Jan 2020 12:26

Tgt Ion:180 Resp: 1699273
 Ion Ratio Lower Upper
 180 100
 182 97.0 77.2 115.8
 145 29.3 23.3 34.9



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

