

Data File : VW014759.D
Acq On : 27 Jan 2020 09:58
Operator : SY/VA
Sample : VSTD2.5
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

Quant Time: Jan 27 12:20:57 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	962527	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	752963	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	353899	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	38755	2.86	ug/L	0.00
7) Chloroethane-d5	2.89	69	27294	2.73	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	68439	2.76	ug/L	0.00
20) 2-Butanone-d5	7.09	46	8390	2.60	ug/L	0.02
24) Chloroform-d	7.65	84	45728	2.07	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	25398	2.21	ug/L	0.00
29) Benzene-d6	8.27	84	93399	2.33	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	27845	2.31	ug/L	0.00
37) Toluene-d8	10.32	98	70581	1.94	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	8900	1.79	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	6593	3.20	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	16633	1.84	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	22362	1.92	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	27464	3.190 ug/L	89
3) Chloromethane	2.21	50	38877	3.994 ug/L	92
5) Vinyl chloride	2.36	62	53138	3.836 ug/L	96
6) Bromomethane	2.78	94	27121	3.353 ug/L	97
8) Chloroethane	2.92	64	28159	3.636 ug/L	99
9) Trichlorofluoromethane	3.25	101	22208	3.031 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	38715	3.078 ug/L #	48
12) 1,1-Dichloroethene	4.04	96	36022	2.925 ug/L	85
13) Acetone	4.12	43	27450	6.140 ug/L	97
14) Carbon disulfide	4.39	76	111426	2.930 ug/L	99
15) Methyl Acetate	4.67	43	15426	2.557 ug/L #	74
16) Methylene chloride	4.92	84	39210	2.498 ug/L	90
17) Methyl tert-butyl Ether	5.42	73	21359	1.347 ug/L #	84
18) trans-1,2-Dichloroethene	5.42	96	29790	2.296 ug/L	96
19) 1,1-Dichloroethane	6.21	63	55022	2.346 ug/L	98
21) 2-Butanone	7.17	43	16573	3.455 ug/L	93
22) cis-1,2-Dichloroethene	7.17	96	30359	2.223 ug/L	97
23) Bromochloromethane	7.51	128	15129	2.559 ug/L	93
25) Chloroform	7.67	83	62115	2.769 ug/L	97
27) 1,2-Dichloroethane	8.40	62	43822	3.009 ug/L	99
30) Cyclohexane	7.95	56	55464	2.880 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	51009	3.302 ug/L	99
32) Carbon tetrachloride	8.07	117	48113	3.343 ug/L	100
34) Benzene	8.32	78	145529	3.212 ug/L	100
35) Trichloroethene	9.09	95	40045	3.424 ug/L	98
36) Methylcyclohexane	9.34	83	55059	2.684 ug/L	95
40) 1,2-Dichloropropane	9.37	63	35086	3.059 ug/L	100
41) Bromodichloromethane	9.64	83	42595	3.088 ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	43357	2.531 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	32464	4.409 ug/L	99

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VSTD2.503

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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)
44) Toluene	10.38	91	121768	2.572	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	33461	2.443	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	22266	2.741	ug/L	93
47) Tetrachloroethene	10.86	164	26587	2.708	ug/L	96
49) 2-Hexanone	10.97	43	19679	3.914	ug/L	99
50) Dibromochloromethane	11.13	129	24780	2.686	ug/L	98
51) 1,2-Dibromoethane	11.23	107	19784	2.580	ug/L #	94
52) Chlorobenzene	11.65	112	82225	2.747	ug/L	98
53) Ethylbenzene	11.73	91	133207	2.559	ug/L	100
54) m,p-Xylene	11.84	106	48366	2.455	ug/L	95
55) o-xylene	12.16	106	44256	2.378	ug/L	93
56) Styrene	12.18	104	73544	2.348	ug/L	93
57) Isopropylbenzene	12.46	105	120613	2.437	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	25405	2.576	ug/L #	93
59) 1,2,3-Trichloropropane	12.77	75	19796	2.679	ug/L	91
62) Bromoform	12.35	173	14711	2.782	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	58871	2.628	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	61959	2.742	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	53547	2.666	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	4330	2.911	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	40977	2.469	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	28038	2.254	ug/L	97
69) Naphthalene	15.36	128	45041	2.097	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	26281	2.331	ug/L	96

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

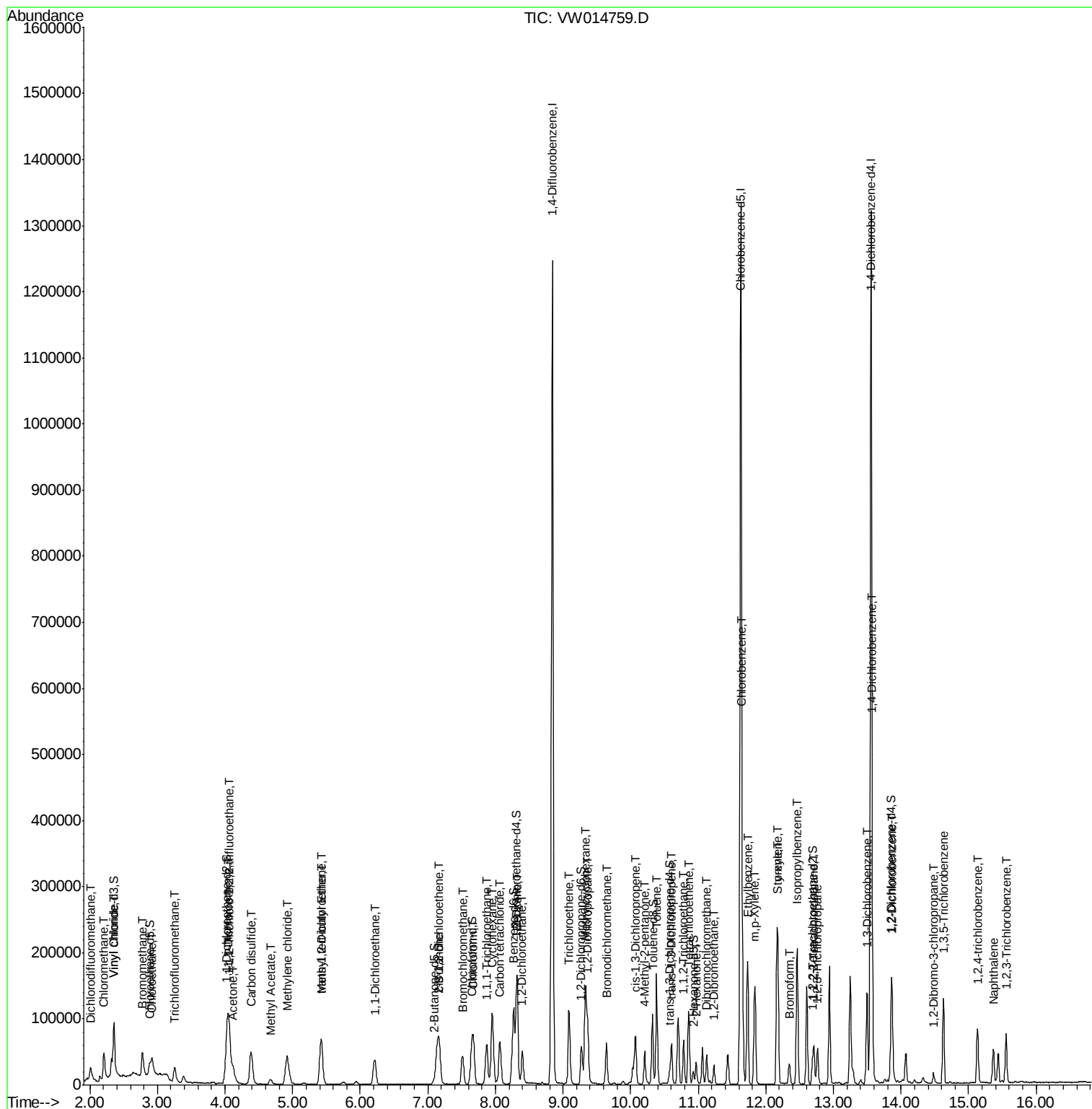
Quant Time: Jan 27 12:20:57 2020

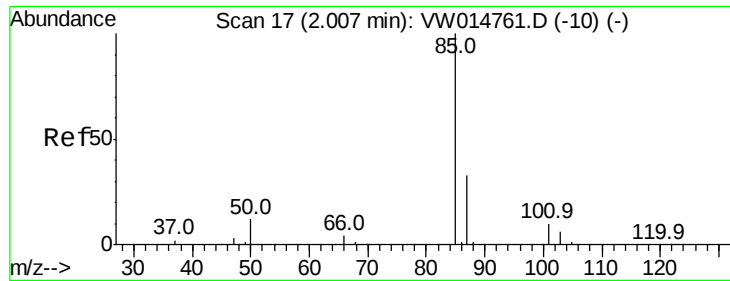
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M

Quant Title : VOC Analysis

QLast Update : Mon Jan 27 12:18:54 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 3.190 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

Instrument :

MSVOA_W

ClientSampled :

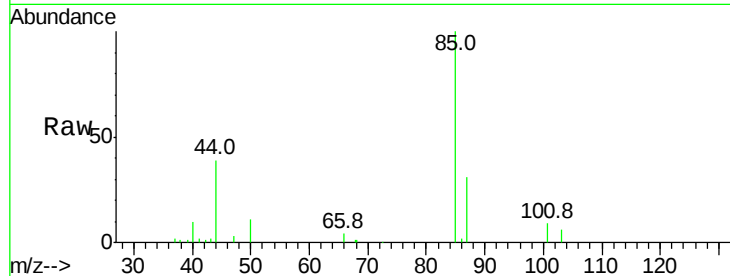
VSTD2.503

Tgt Ion: 85 Resp: 27464

Ion Ratio Lower Upper

85 100

87 37.7 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

12000

10000

8000

6000

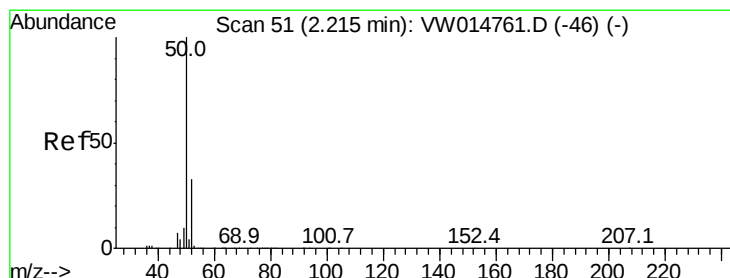
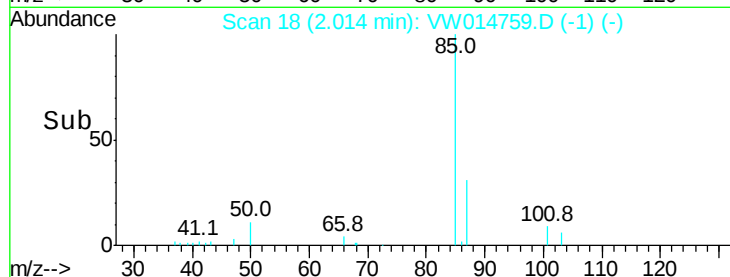
4000

2000

0

Time-->

1.95 2.00 2.05



#3

Chloromethane

Concen: 3.994 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014759.D

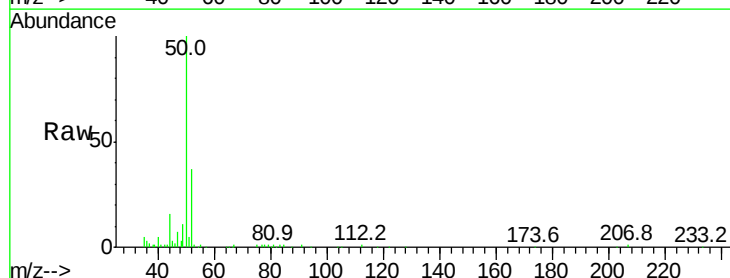
Acq: 27 Jan 2020 09:58

Tgt Ion: 50 Resp: 38877

Ion Ratio Lower Upper

50 100

52 37.1 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

25000

20000

15000

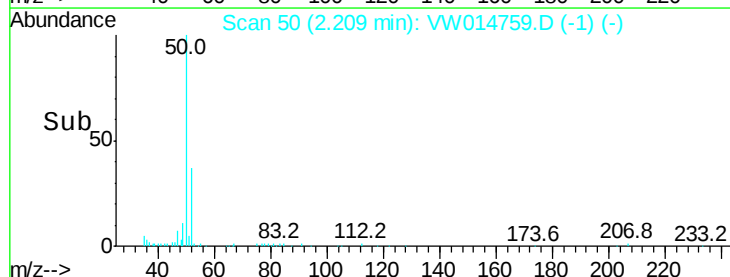
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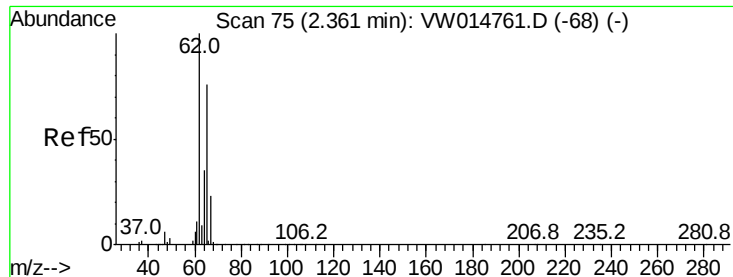
5000

0

Time-->

2.15 2.20 2.25





#5

Vinyl chloride

Concen: 3.836 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

Instrument :

MSVOA_W

ClientSampleId :

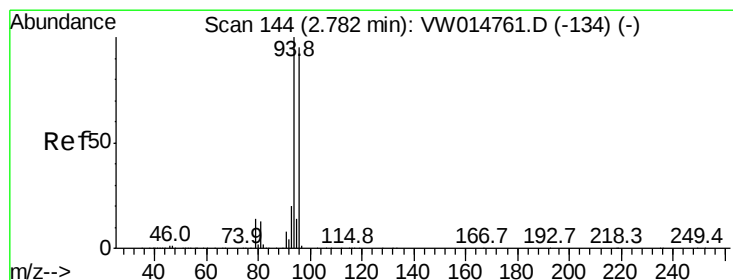
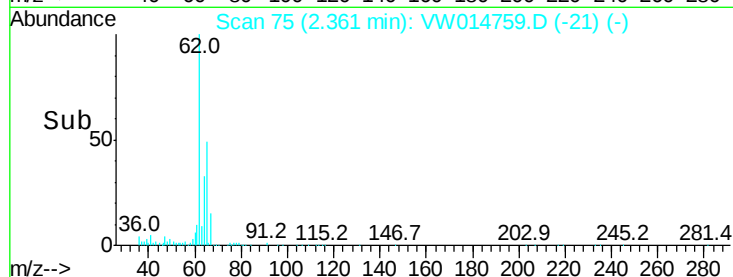
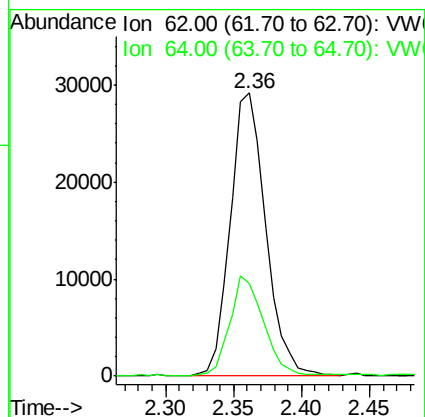
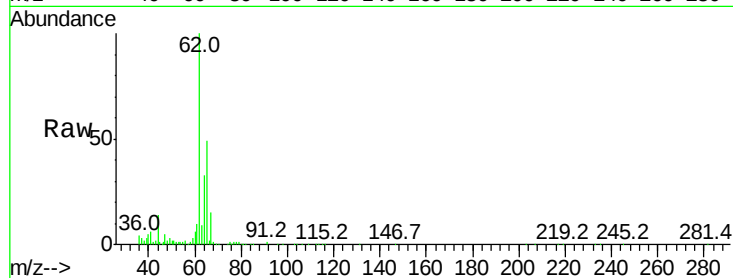
VSTD2.503

Tgt Ion: 62 Resp: 53138

Ion Ratio Lower Upper

62 100

64 32.6 24.3 45.1



#6

Bromomethane

Concen: 3.353 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW014759.D

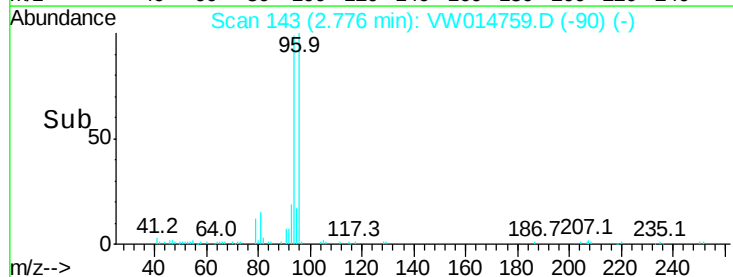
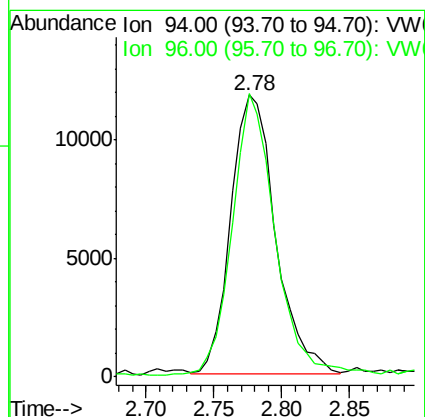
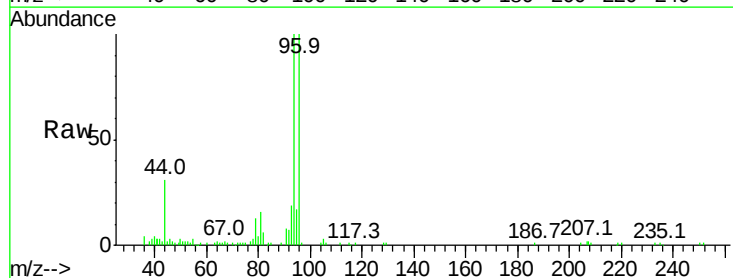
Acq: 27 Jan 2020 09:58

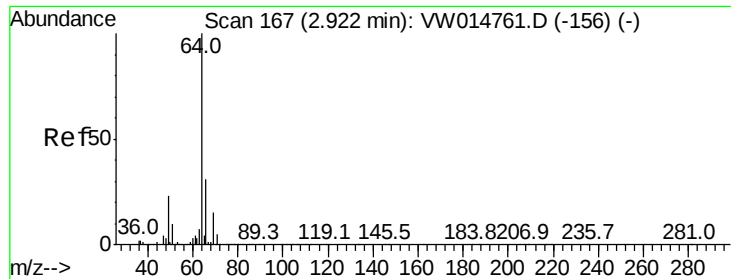
Tgt Ion: 94 Resp: 27121

Ion Ratio Lower Upper

94 100

96 96.5 9.3 177.7





#8

Chloroethane

Concen: 3.636 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

Instrument :

MSVOA_W

ClientSampleId :

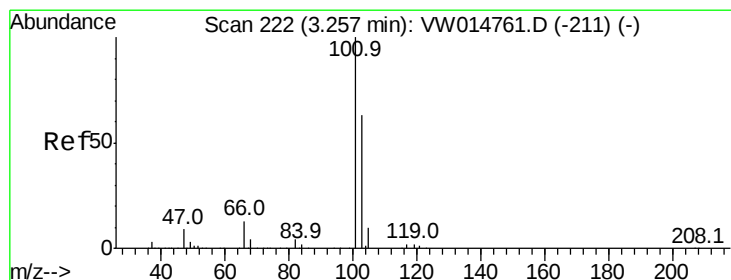
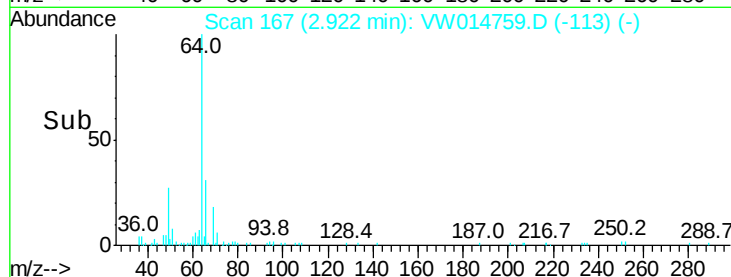
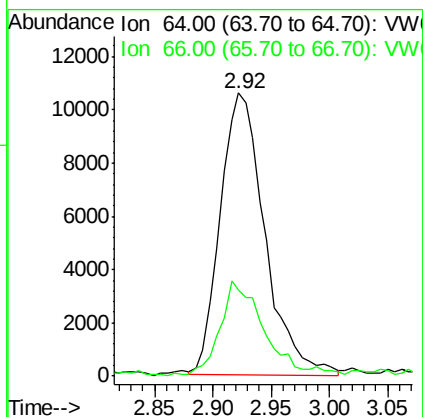
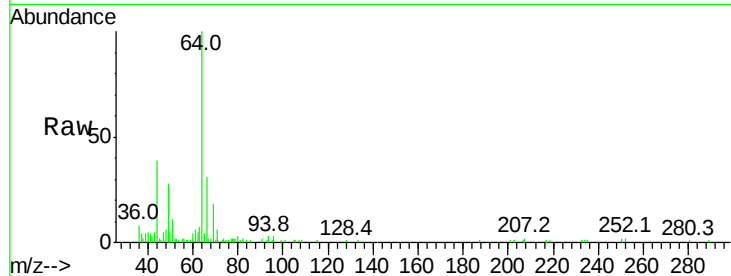
VSTD2.503

Tgt Ion: 64 Resp: 28159

Ion Ratio Lower Upper

64 100

66 30.6 21.8 40.4



#9

Trichlorofluoromethane

Concen: 3.031 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014759.D

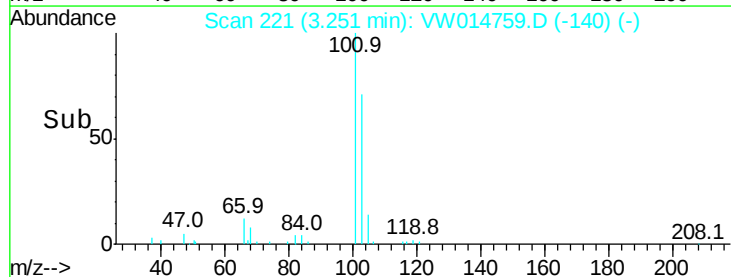
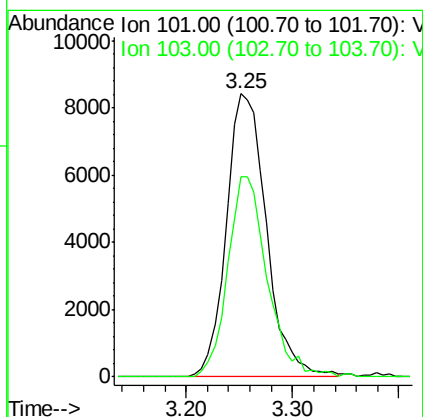
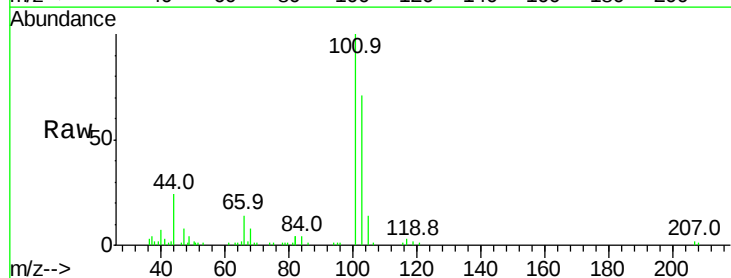
Acq: 27 Jan 2020 09:58

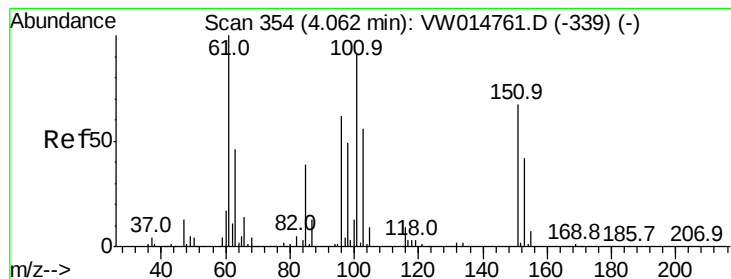
Tgt Ion: 101 Resp: 22208

Ion Ratio Lower Upper

101 100

103 67.2 45.1 83.9





#11

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

Concen: 3.078 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

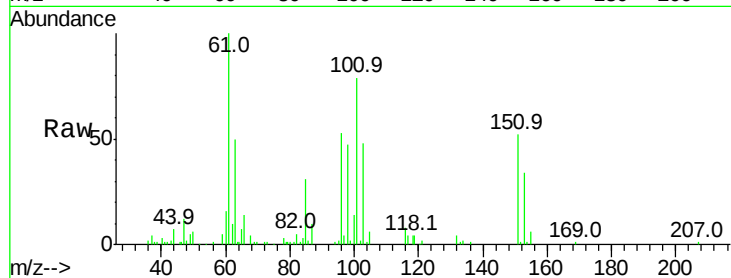
Tgt Ion: 101 Resp: 38715

Ion Ratio Lower Upper

101 100

85 16.4 33.8 50.6#

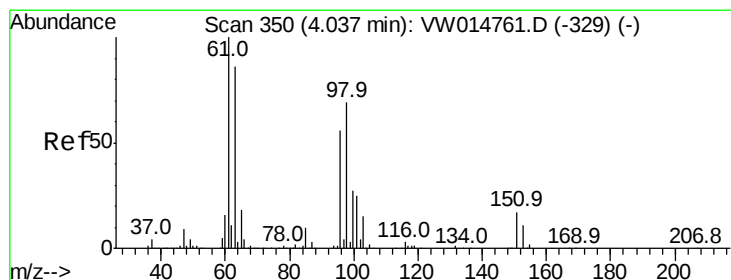
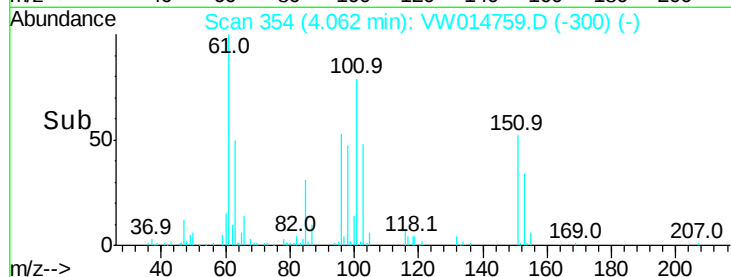
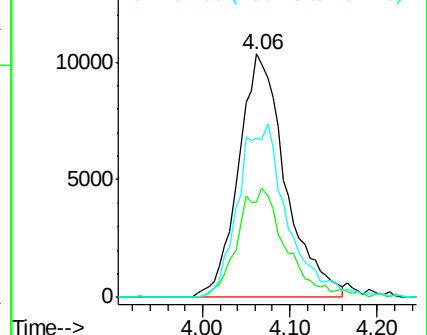
151 25.5 59.7 89.5#



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: 2.925 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

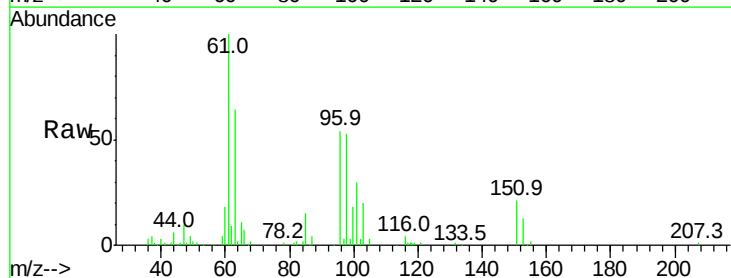
Tgt Ion: 96 Resp: 36022

Ion Ratio Lower Upper

96 100

61 186.0 124.3 230.9

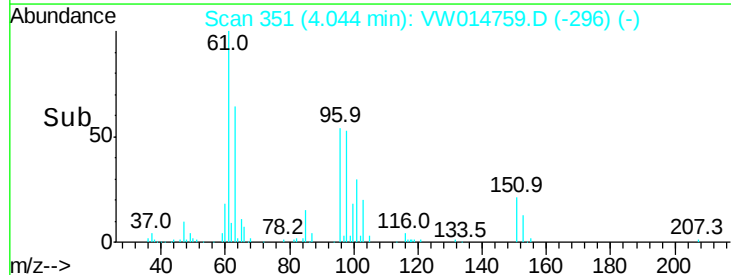
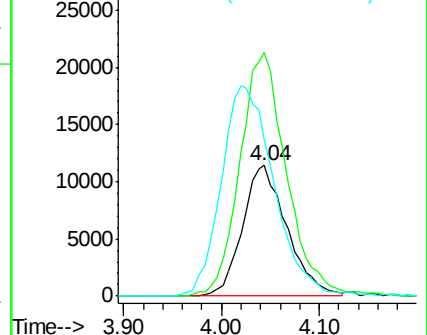
63 119.4 107.0 198.6

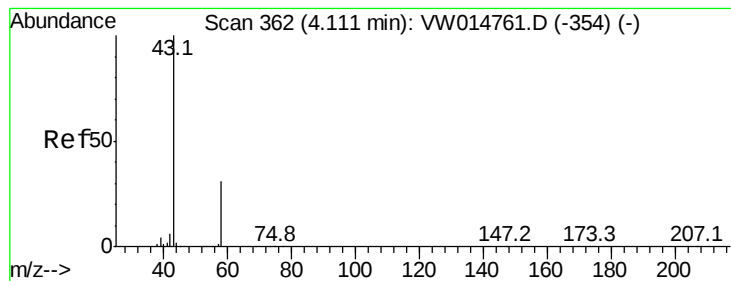


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 6.140 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

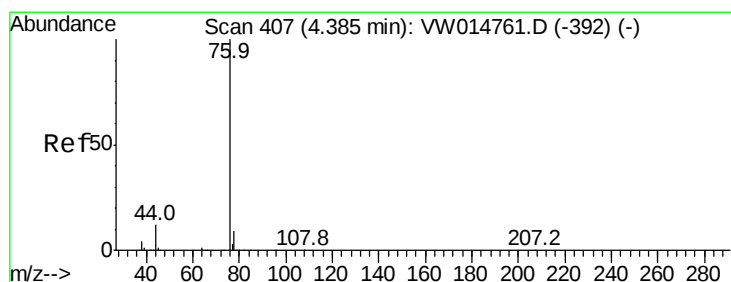
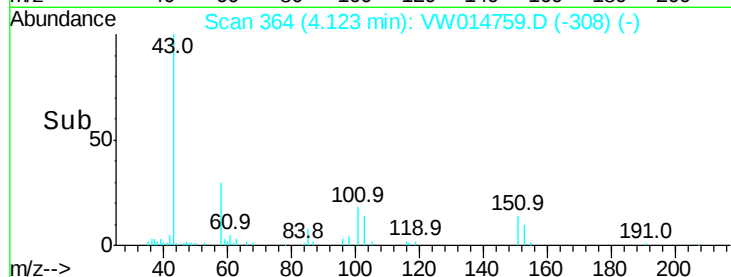
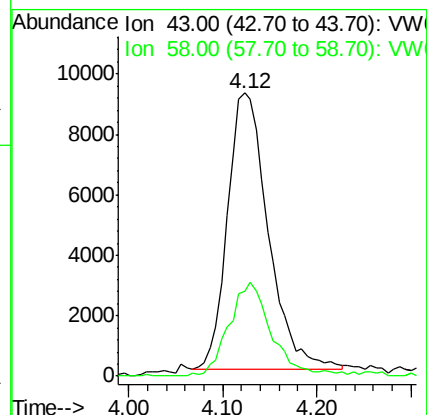
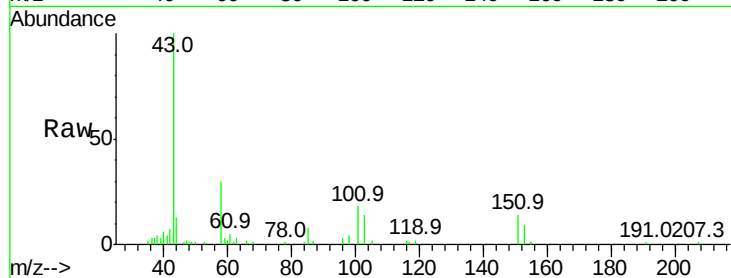
VSTD2.503

Tgt Ion: 43 Resp: 27450

Ion Ratio Lower Upper

43 100

58 34.2 0.0 64.6



#14

Carbon disulfide

Concen: 2.930 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW014759.D

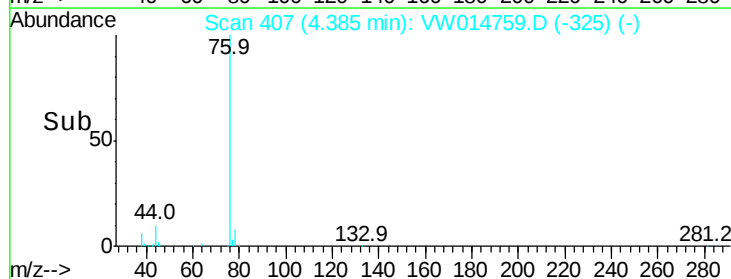
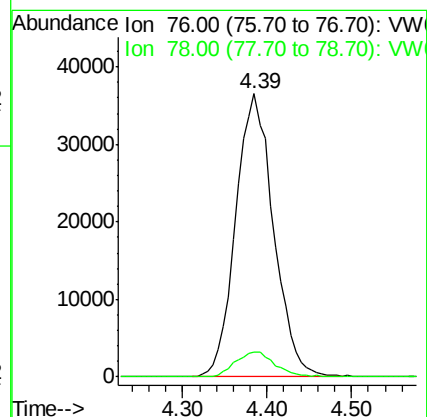
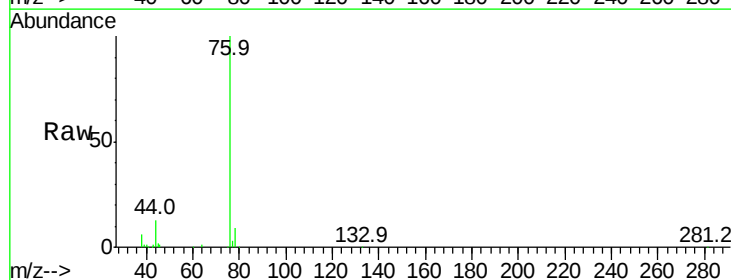
Acq: 27 Jan 2020 09:58

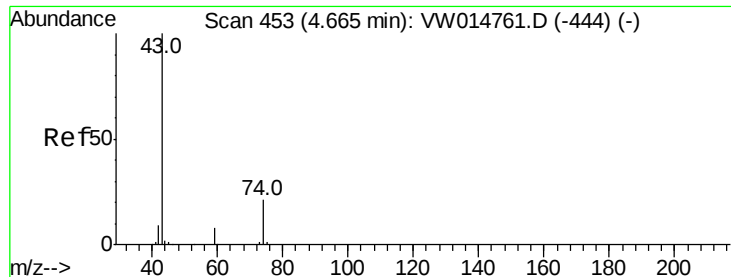
Tgt Ion: 76 Resp: 111426

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

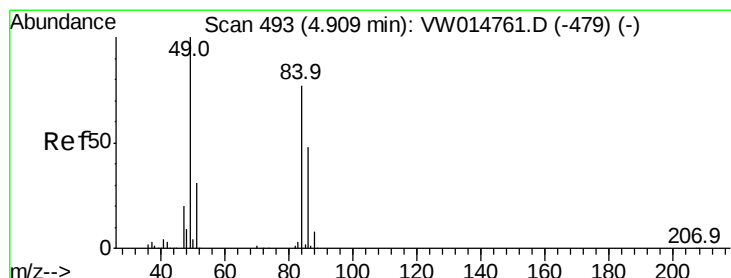
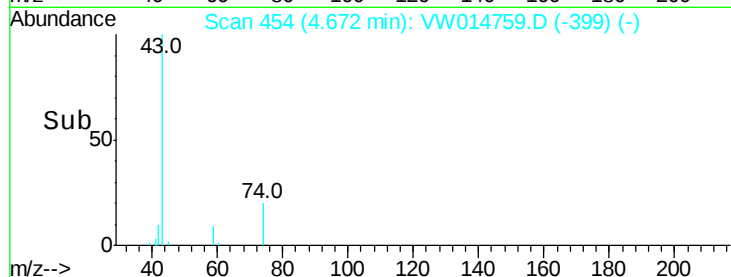
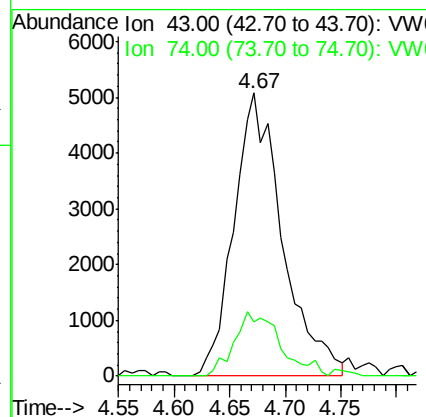
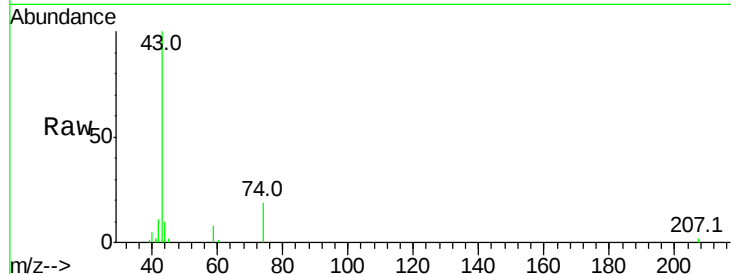




#15
Methyl Acetate
Concen: 2.557 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW014759.D
Acq: 27 Jan 2020 09:58

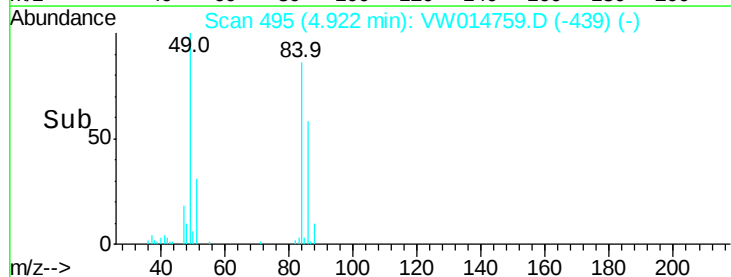
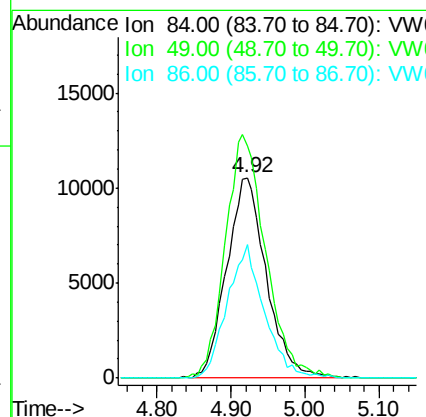
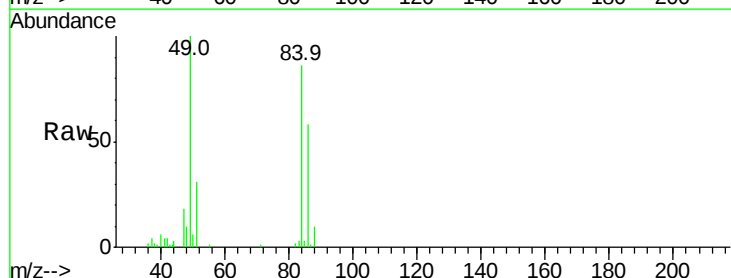
Instrument :
MSVOA_W
ClientSampled :
VSTD2.503

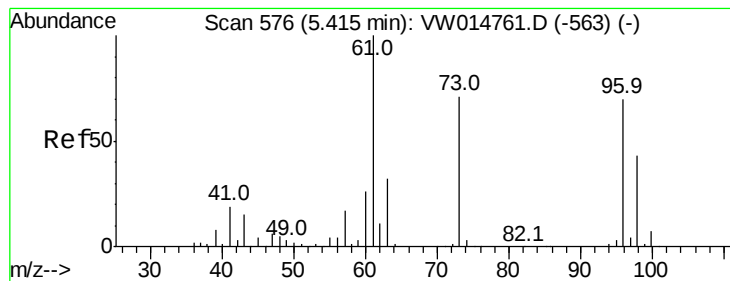
Tgt Ion: 43 Resp: 15426
Ion Ratio Lower Upper
43 100
74 9.9 18.0 27.0#



#16
Methylene chloride
Concen: 2.498 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW014759.D
Acq: 27 Jan 2020 09:58

Tgt Ion: 84 Resp: 39210
Ion Ratio Lower Upper
84 100
49 115.7 90.9 168.7
86 66.6 43.5 80.7





#17

Methyl tert-butyl Ether

Concen: 1.347 ug/L

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

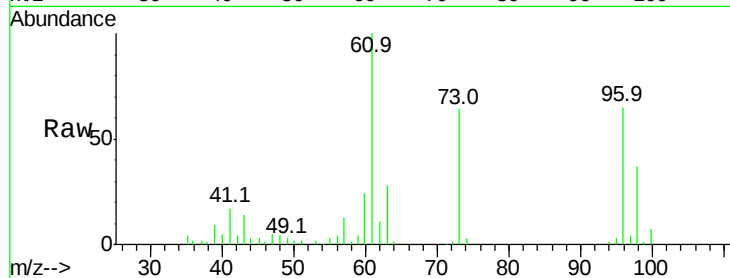
Tgt Ion: 73 Resp: 21359

Ion Ratio Lower Upper

73 100

43 36.1 16.2 24.4#

57 24.4 19.1 28.7

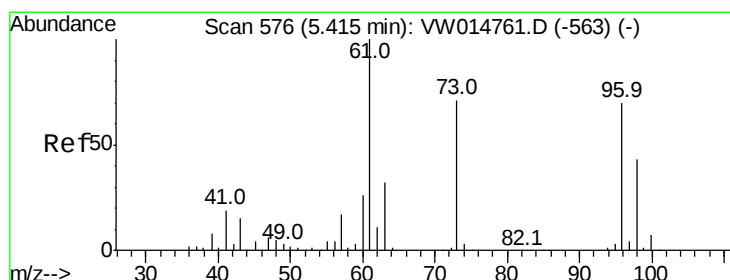
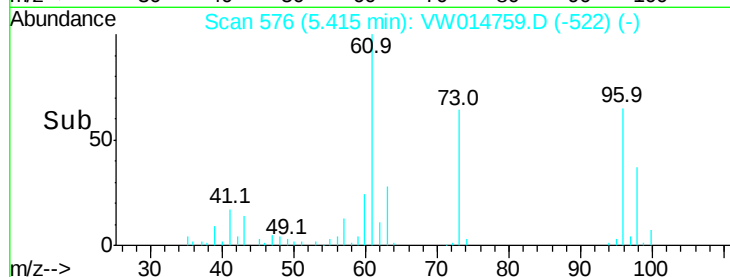
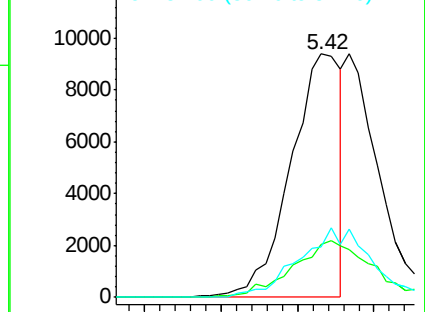


Abundance

Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 2.296 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

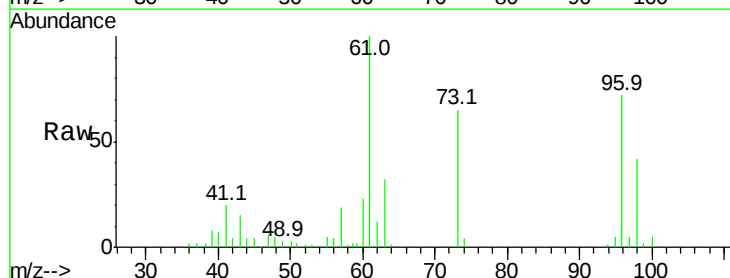
Tgt Ion: 96 Resp: 29790

Ion Ratio Lower Upper

96 100

61 138.2 100.2 186.0

98 58.0 43.1 80.1

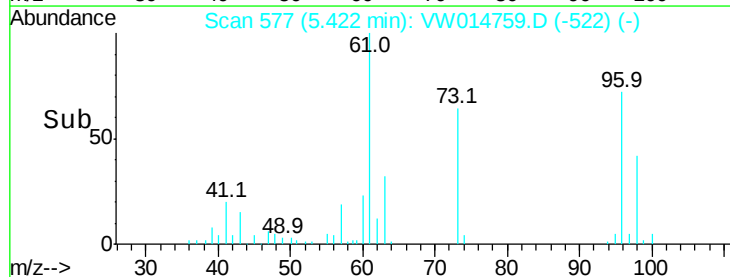
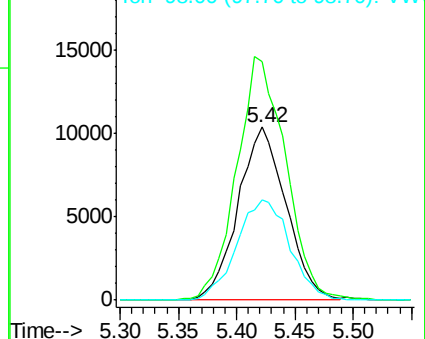


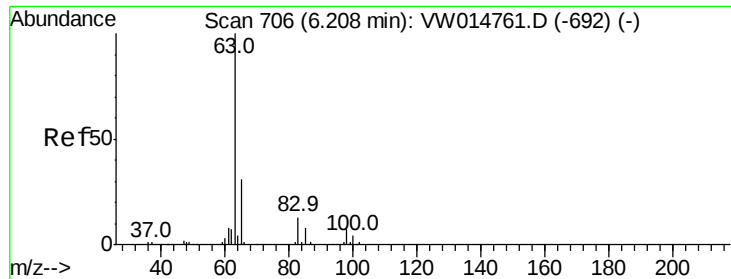
Abundance

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

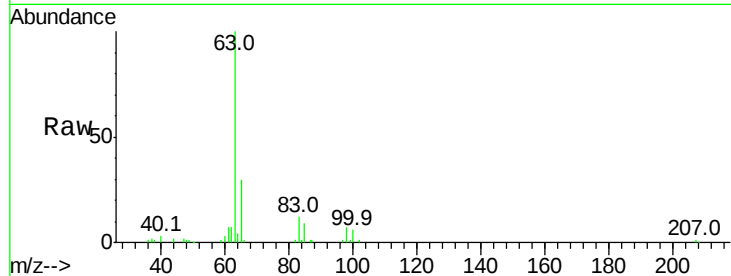




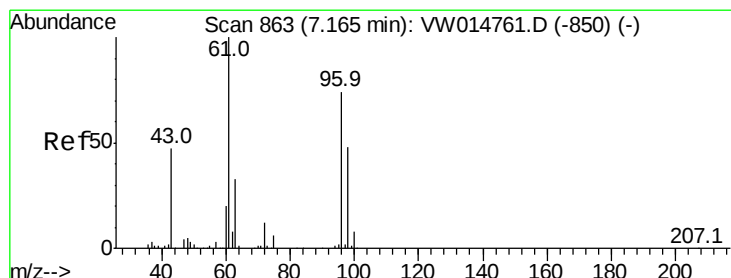
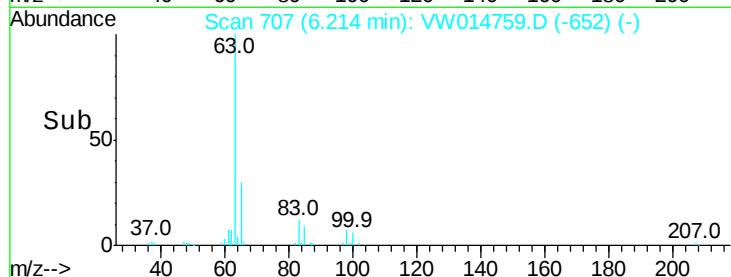
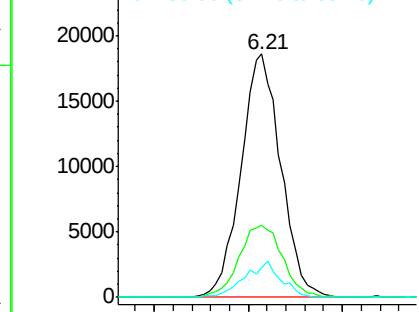
#19
 1,1-Dichloroethane
 Concen: 2.346 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW014759.D
 Acq: 27 Jan 2020 09:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

Tgt Ion: 63 Resp: 55022
 Ion Ratio Lower Upper
 63 100
 65 29.5 21.7 40.3
 83 12.3 8.8 16.4

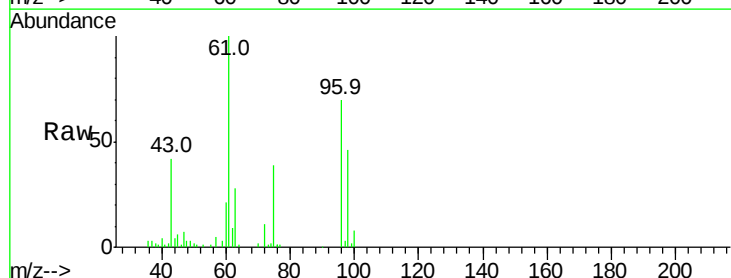


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

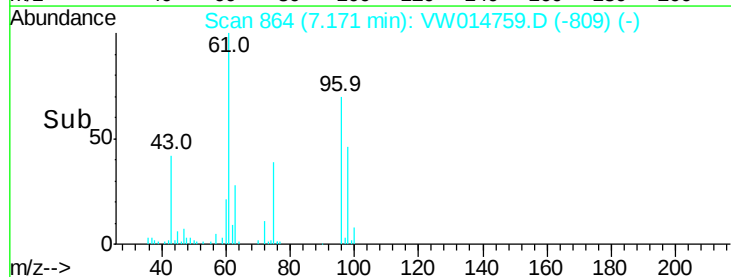
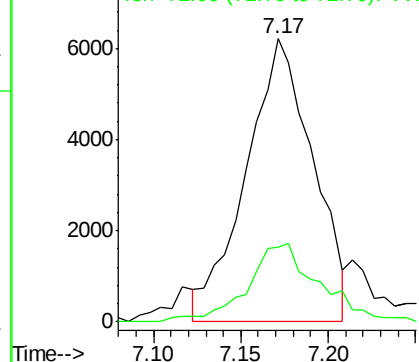


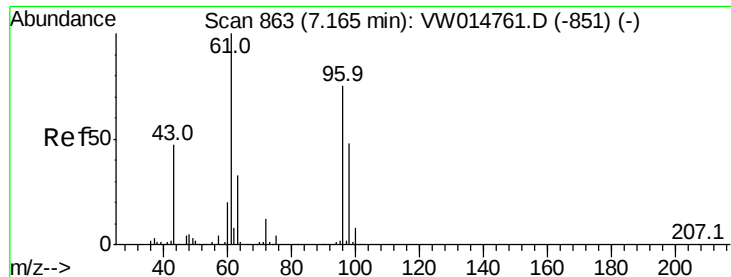
#21
 2-Butanone
 Concen: 3.455 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW014759.D
 Acq: 27 Jan 2020 09:58

Tgt Ion: 43 Resp: 16573
 Ion Ratio Lower Upper
 43 100
 72 28.6 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 72.00 (71.70 to 72.70): VW



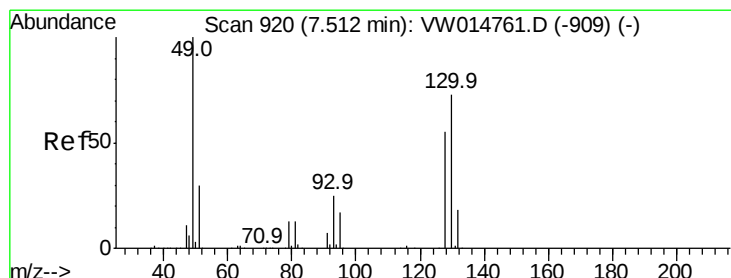
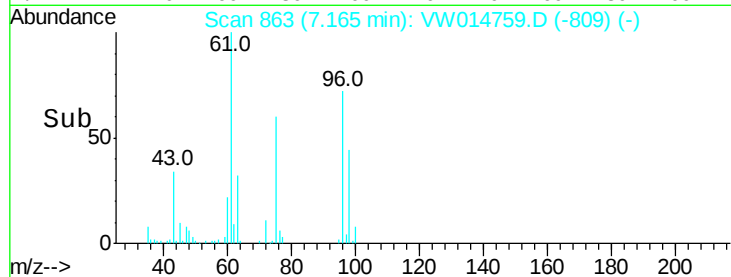
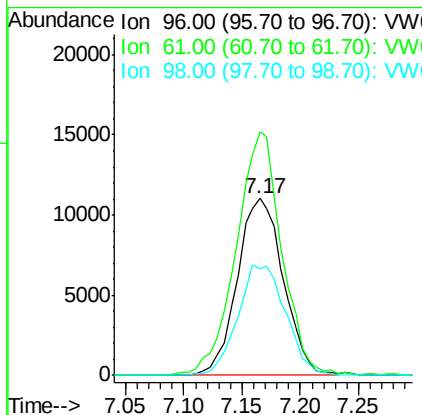
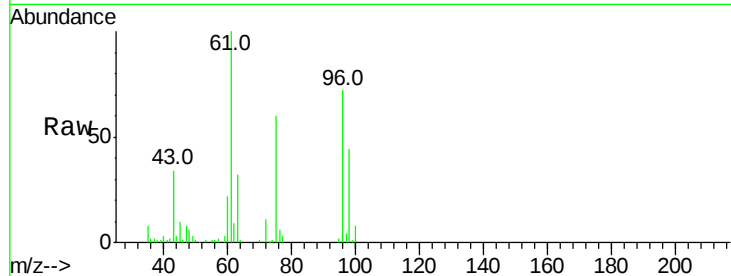


#22

cis-1,2-Dichloroethene
Concen: 2.223 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014759.D
Acq: 27 Jan 2020 09:58

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

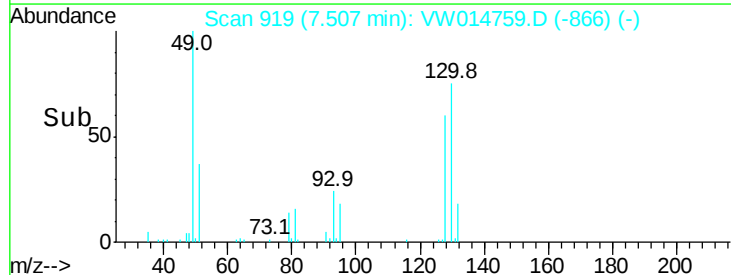
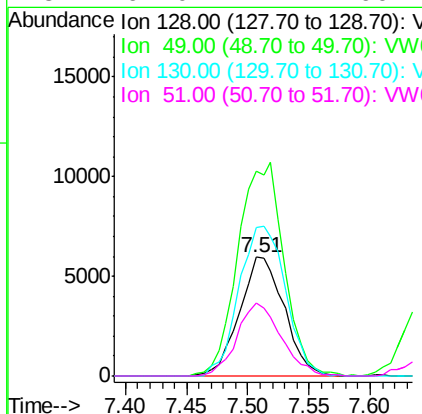
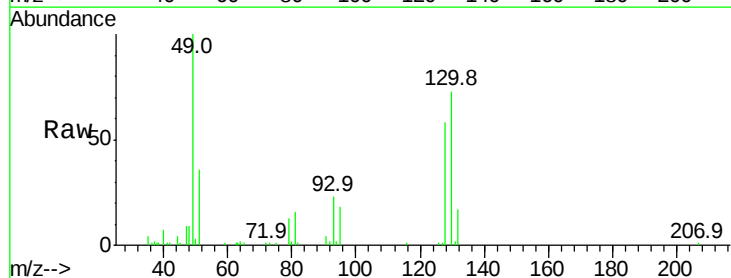
Tgt Ion: 96 Resp: 30359
Ion Ratio Lower Upper
96 100
61 138.0 94.1 174.7
98 60.5 44.9 83.3

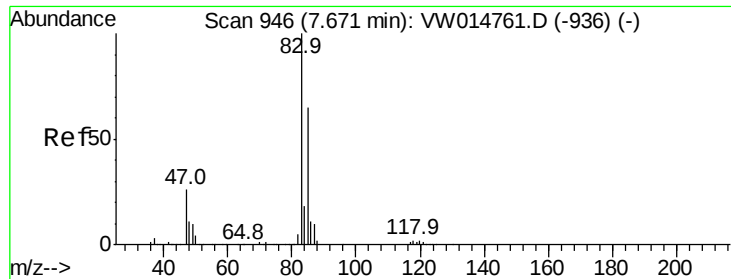


#23

Bromochloromethane
Concen: 2.559 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW014759.D
Acq: 27 Jan 2020 09:58

Tgt Ion: 128 Resp: 15129
Ion Ratio Lower Upper
128 100
49 172.1 127.7 237.1
130 125.1 93.4 173.6
51 62.0 44.1 66.1





#25

Chloroform

Concen: 2.769 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

Instrument :

MSVOA_W

ClientSampleId :

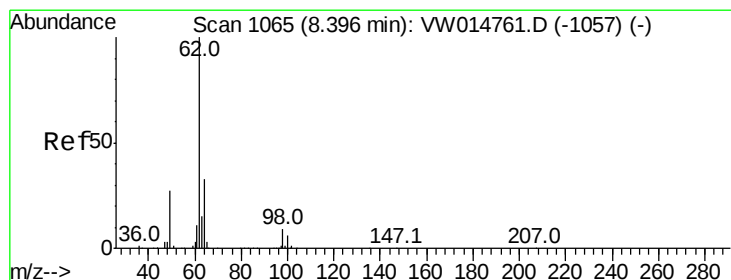
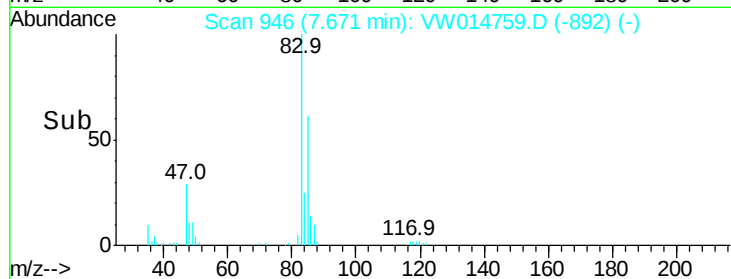
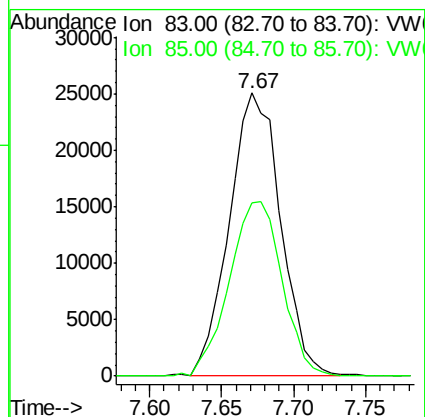
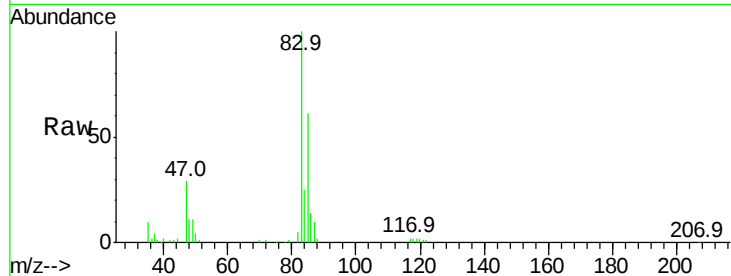
VSTD2.503

Tgt Ion: 83 Resp: 62115

Ion Ratio Lower Upper

83 100

85 63.4 46.0 85.4



#27

1,2-Dichloroethane

Concen: 3.009 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW014759.D

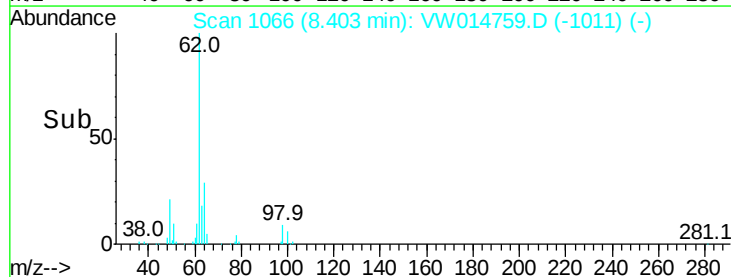
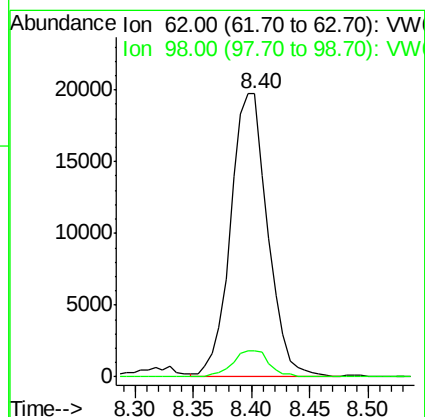
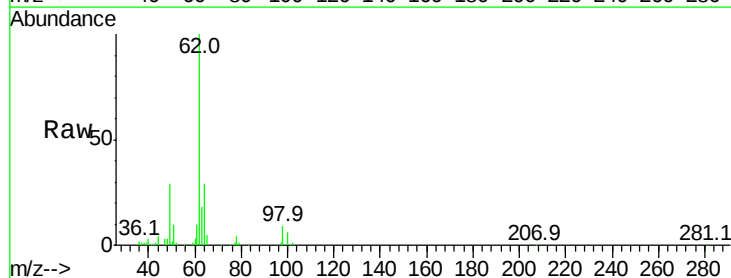
Acq: 27 Jan 2020 09:58

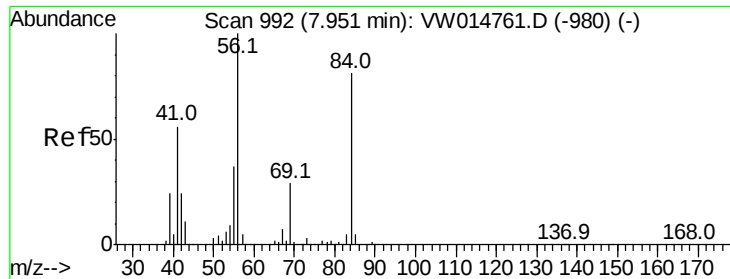
Tgt Ion: 62 Resp: 43822

Ion Ratio Lower Upper

62 100

98 9.0 7.5 11.3

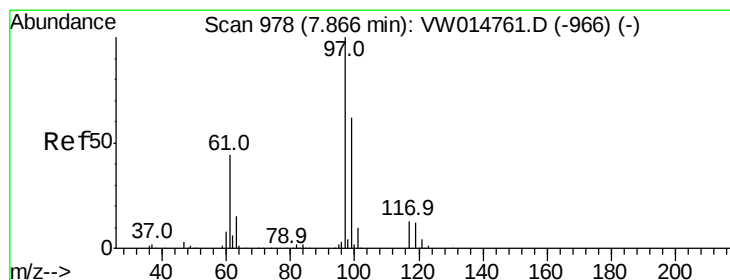
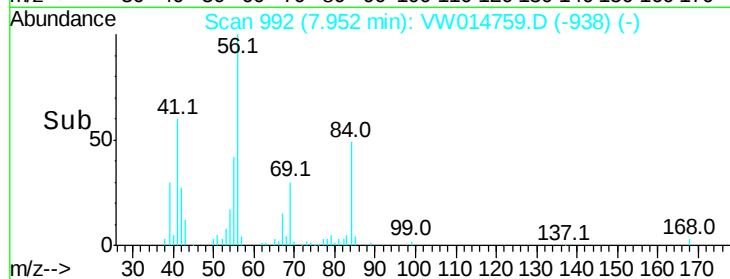
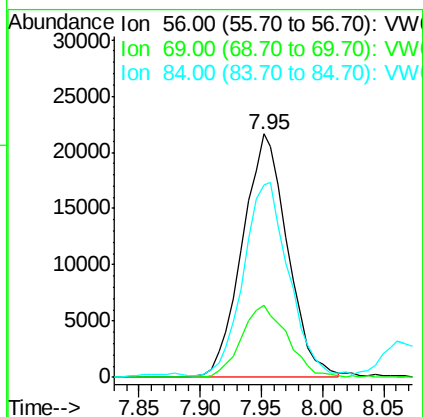
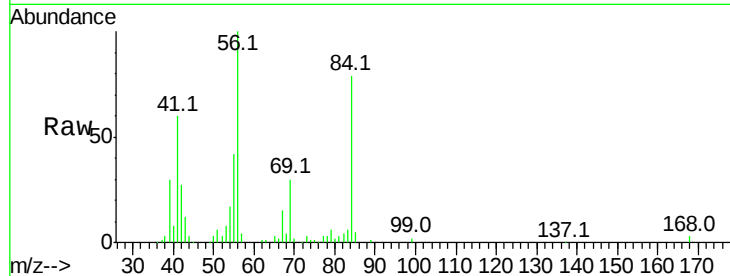




#30
Cyclohexane
Concen: 2.880 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014759.D
Acq: 27 Jan 2020 09:58

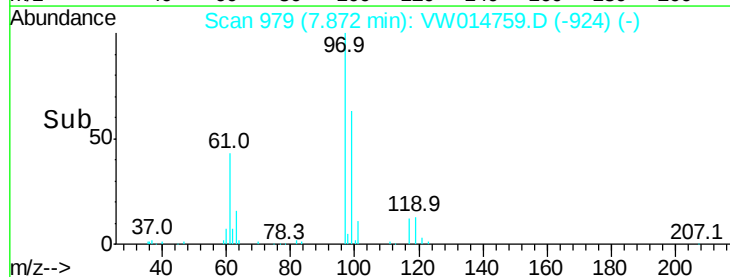
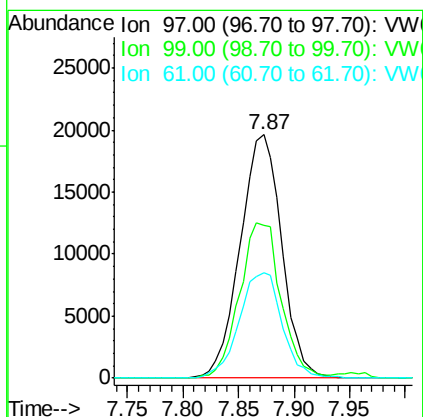
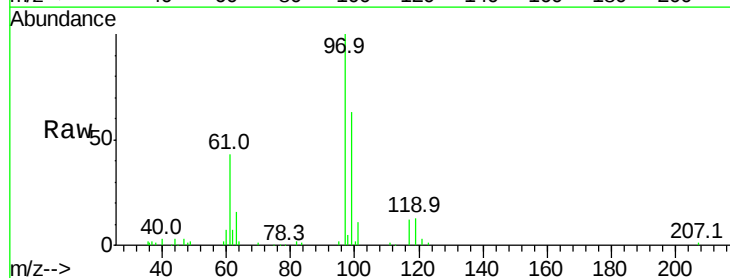
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

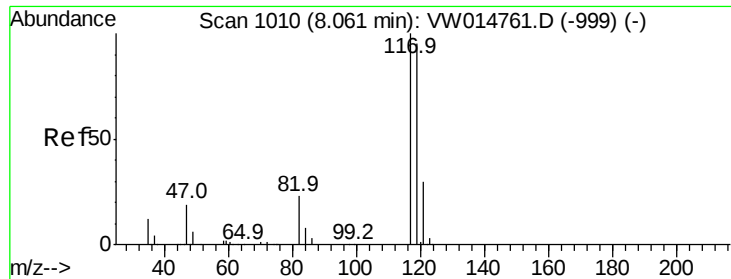
Tgt Ion: 56 Resp: 55464
Ion Ratio Lower Upper
56 100
69 29.8 23.8 35.6
84 80.5 64.8 97.2



#31
1,1,1-Trichloroethane
Concen: 3.302 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW014759.D
Acq: 27 Jan 2020 09:58

Tgt Ion: 97 Resp: 51009
Ion Ratio Lower Upper
97 100
99 63.9 50.9 76.3
61 44.4 36.4 54.6

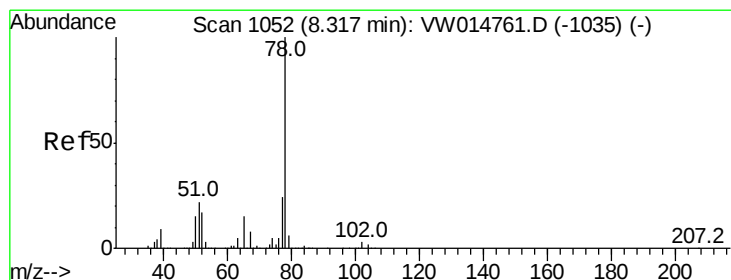
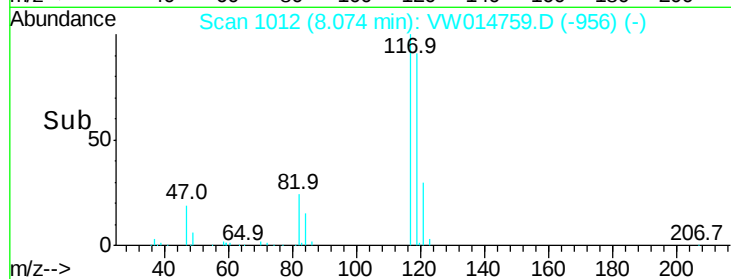
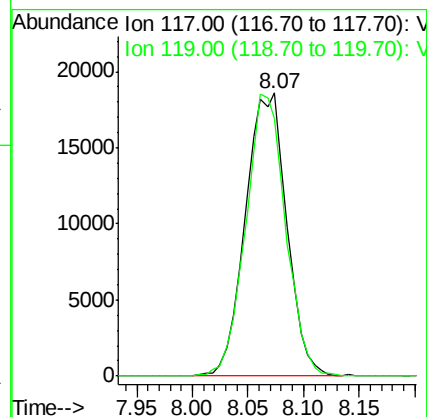
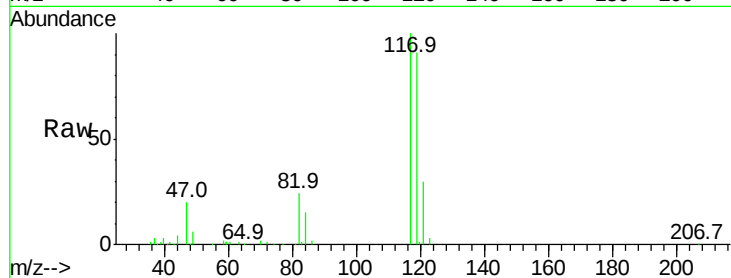




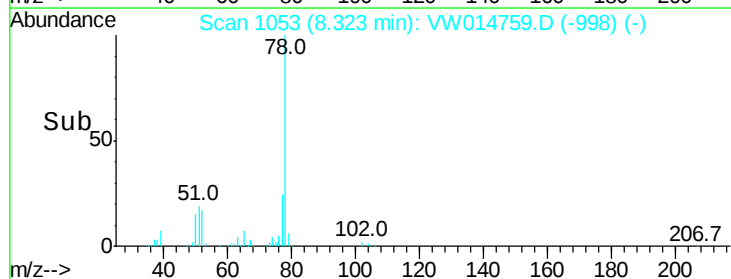
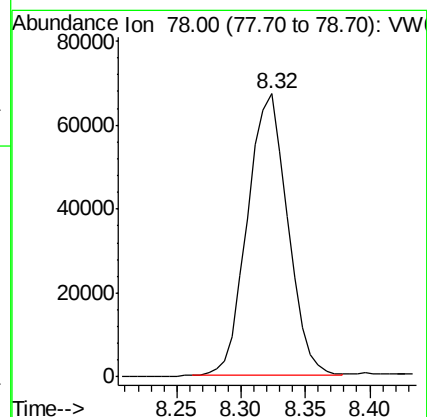
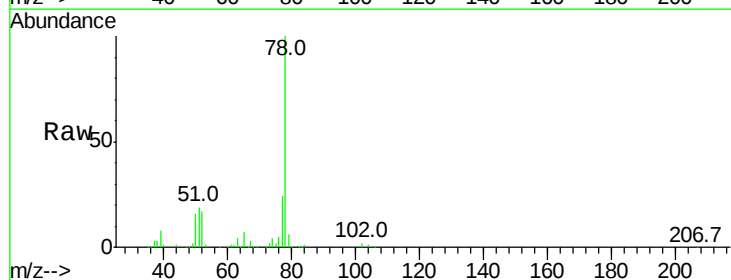
#32
Carbon tetrachloride
Concen: 3.343 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW014759.D
Acq: 27 Jan 2020 09:58

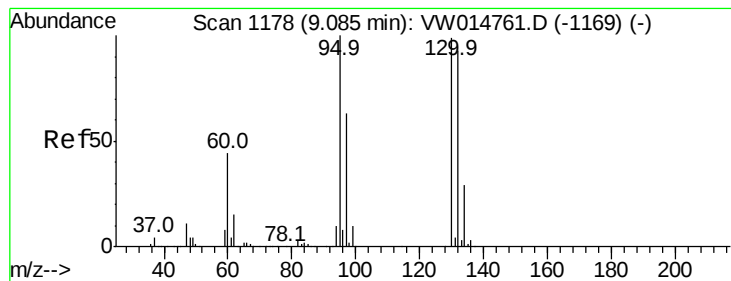
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

Tgt Ion:117 Resp: 48113
Ion Ratio Lower Upper
117 100
119 95.9 76.6 115.0



#34
Benzene
Concen: 3.212 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW014759.D
Acq: 27 Jan 2020 09:58
Tgt Ion: 78 Resp: 145529





#35

Trichloroethene

Concen: 3.424 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

Tgt Ion: 95 Resp: 40045

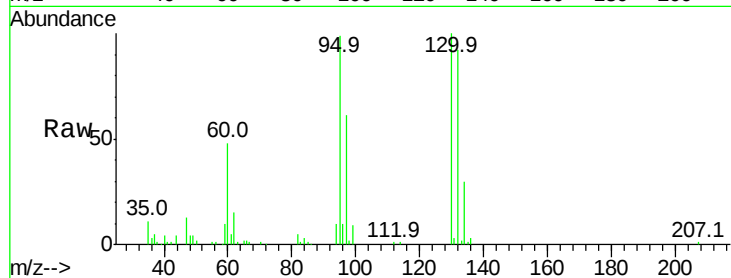
Ion Ratio Lower Upper

95 100

97 62.7 44.3 82.3

132 94.0 67.1 124.7

130 97.7 69.9 129.7

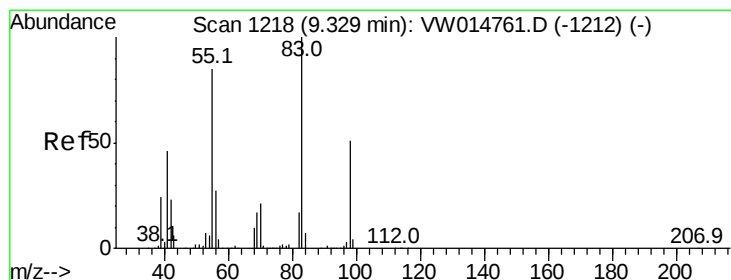
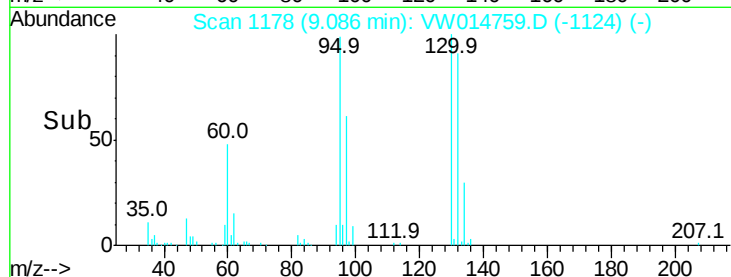
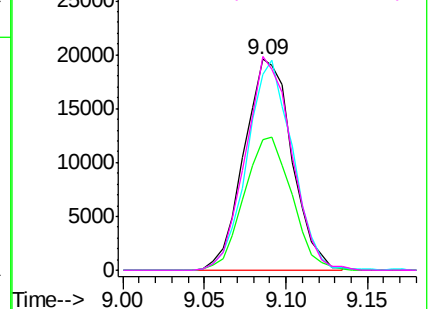


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 2.684 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

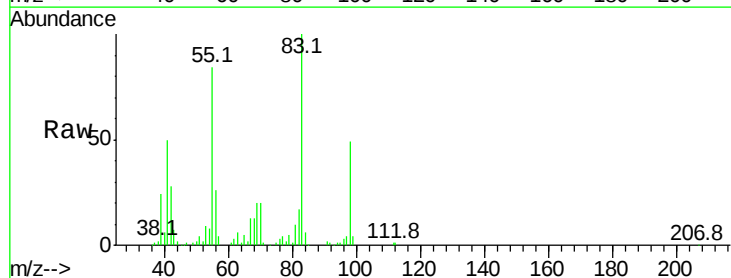
Tgt Ion: 83 Resp: 55059

Ion Ratio Lower Upper

83 100

55 87.0 65.6 98.4

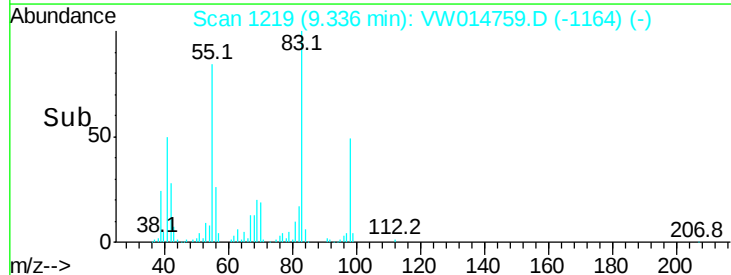
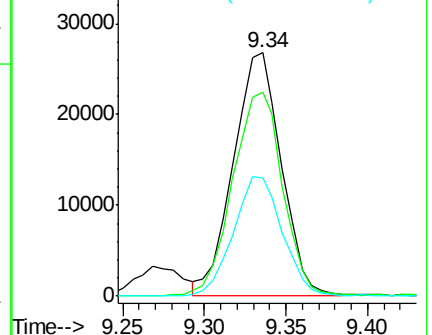
98 50.0 38.0 57.0

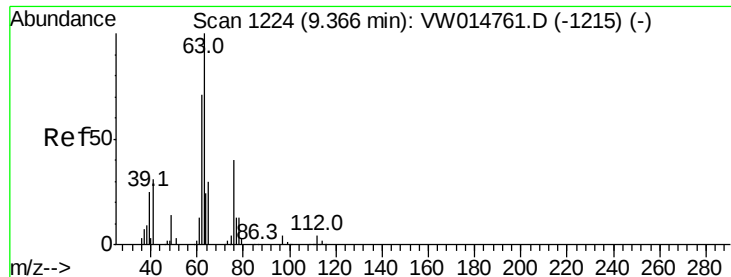


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 3.059 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

Instrument :

MSVOA_W

ClientSampleId :

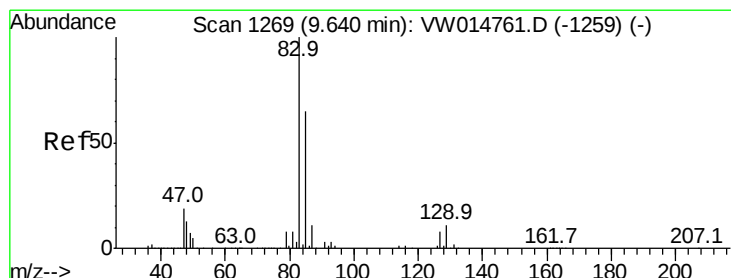
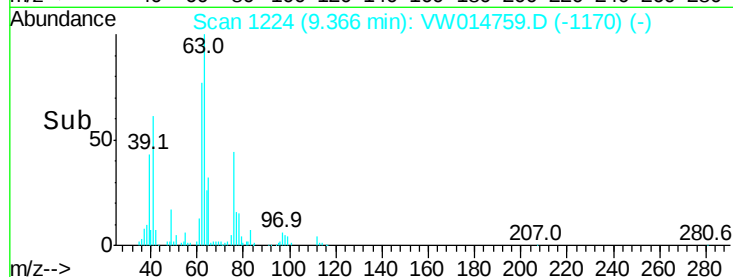
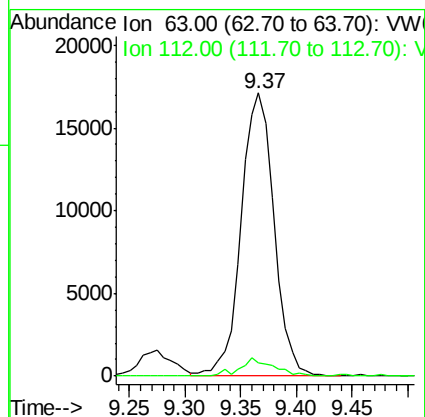
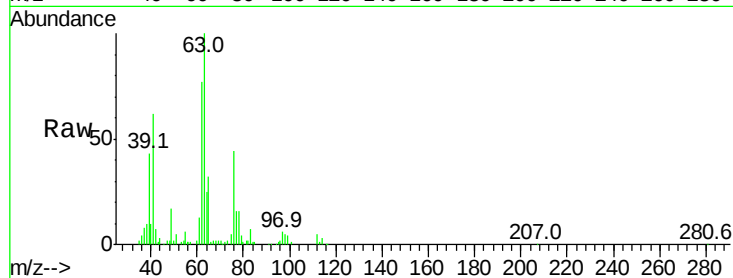
VSTD2.503

Tgt Ion: 63 Resp: 35086

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



#41

Bromodichloromethane

Concen: 3.088 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

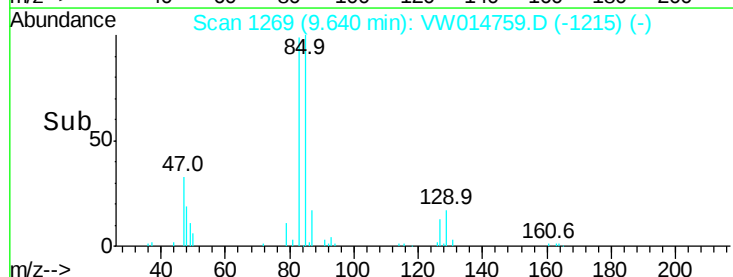
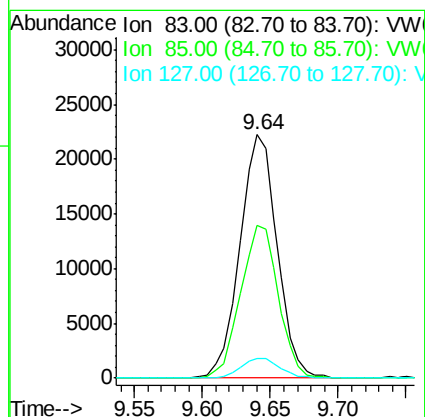
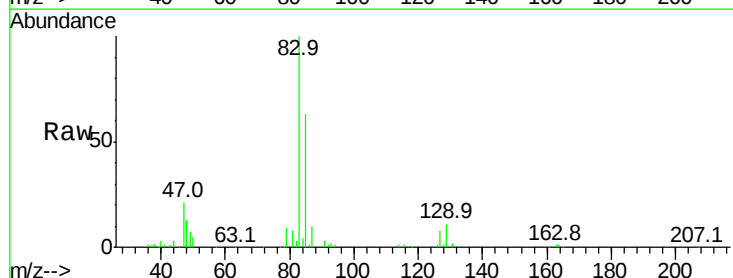
Tgt Ion: 83 Resp: 42595

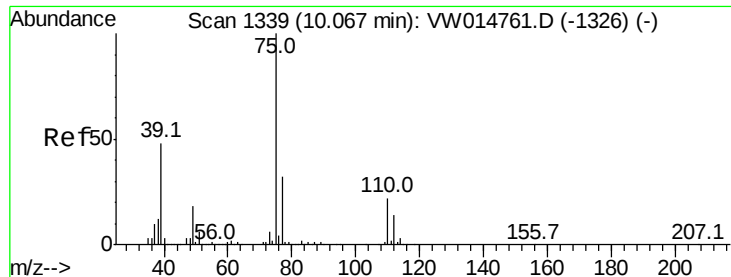
Ion Ratio Lower Upper

83 100

85 62.5 45.7 84.9

127 8.3 6.5 9.7

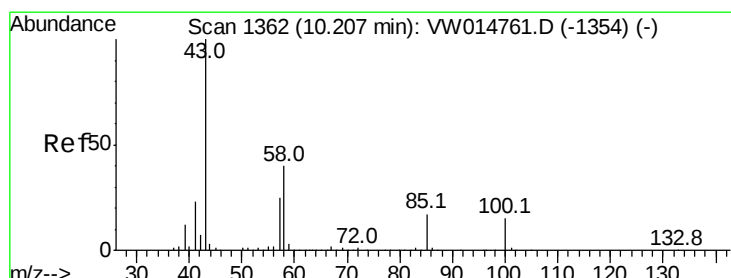
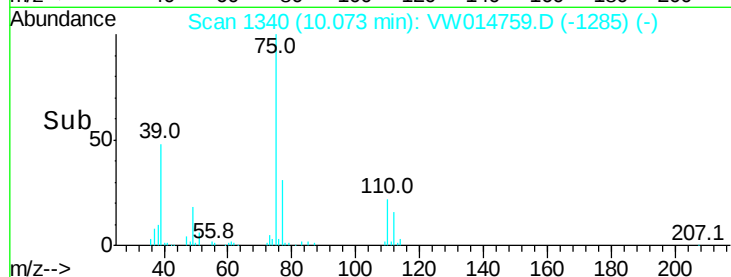
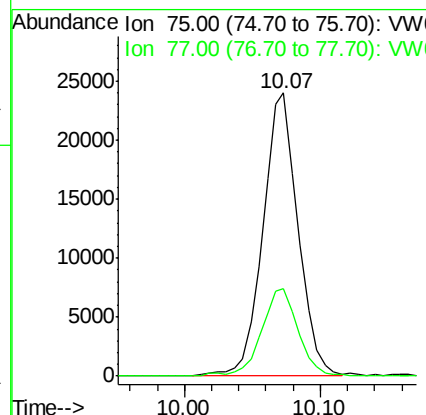
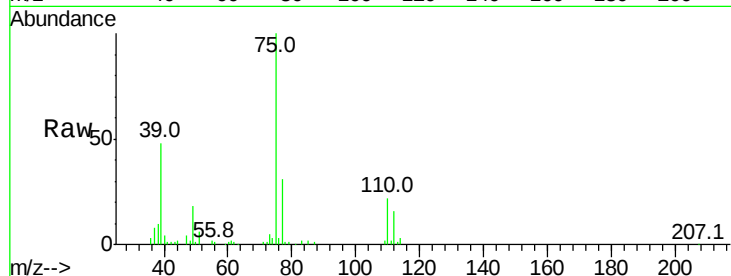




#42
 cis-1,3-Dichloropropene
 Concen: 2.531 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.01 min
 Lab File: VW014759.D
 Acq: 27 Jan 2020 09:58

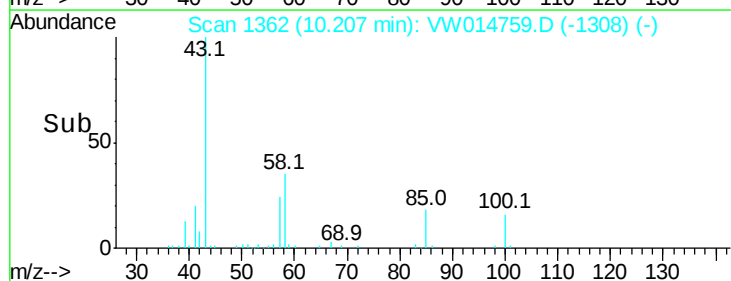
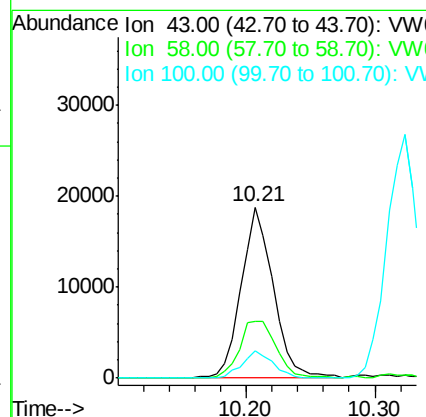
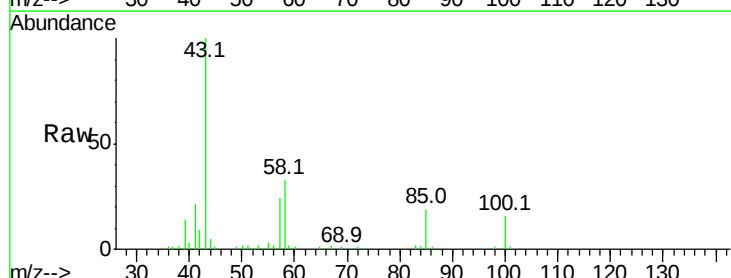
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.503

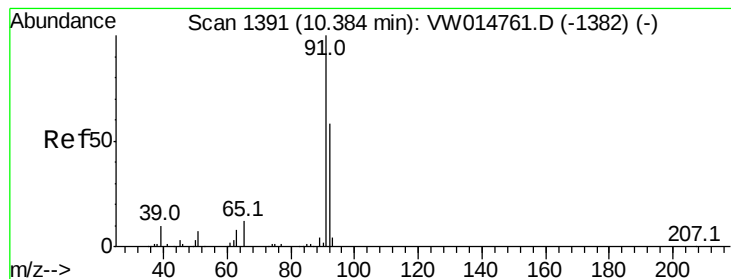
Tgt Ion: 75 Resp: 43357
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 4.409 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW014759.D
 Acq: 27 Jan 2020 09:58

Tgt Ion: 43 Resp: 32464
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.9 46.3
 100 15.0 11.8 17.6





#44

Toluene

Concen: 2.572 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

Instrument :

MSVOA_W

ClientSampleId :

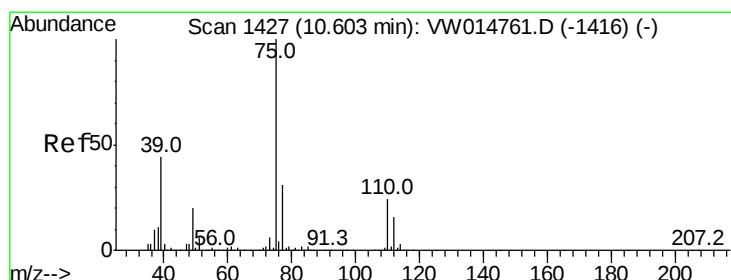
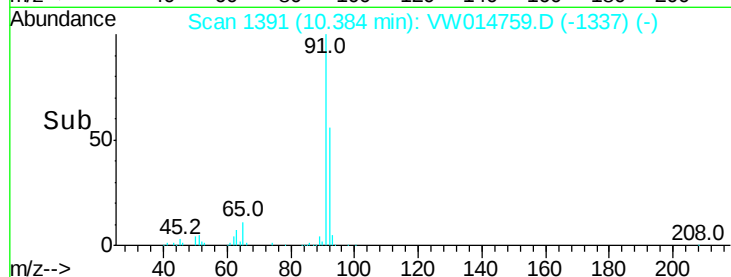
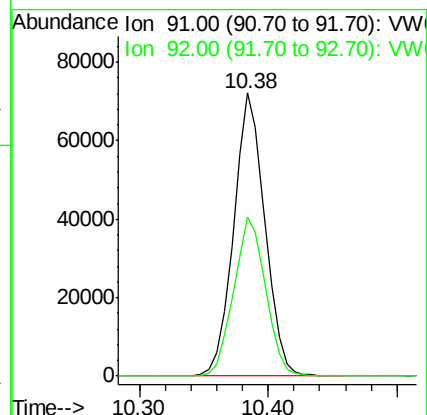
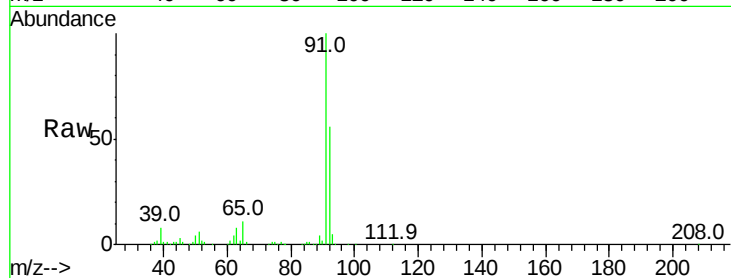
VSTD2.503

Tgt Ion: 91 Resp: 121768

Ion Ratio Lower Upper

91 100

92 56.3 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 2.443 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014759.D

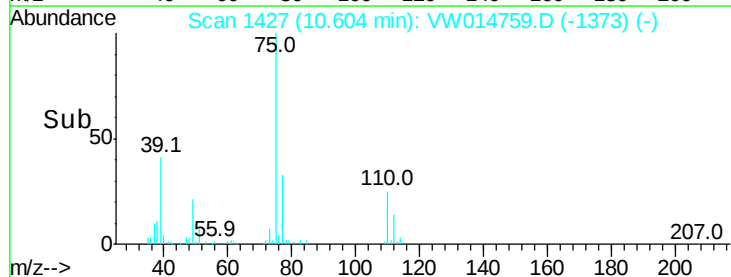
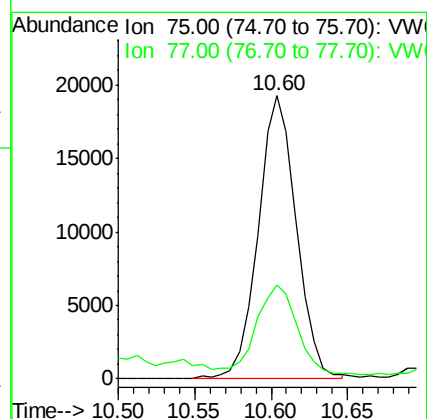
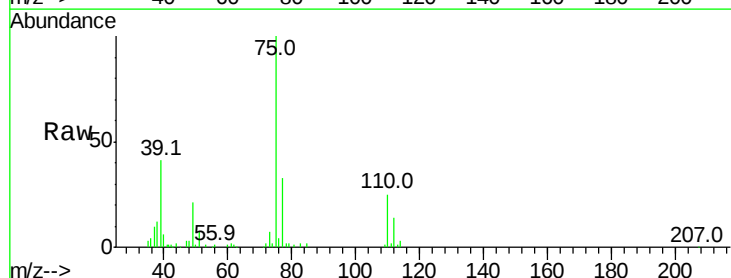
Acq: 27 Jan 2020 09:58

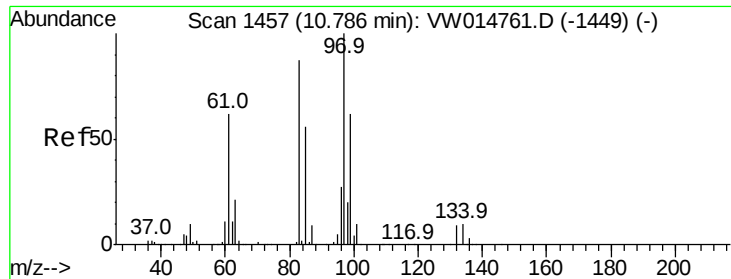
Tgt Ion: 75 Resp: 33461

Ion Ratio Lower Upper

75 100

77 33.4 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 2.741 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

Tgt Ion: 97 Resp: 22266

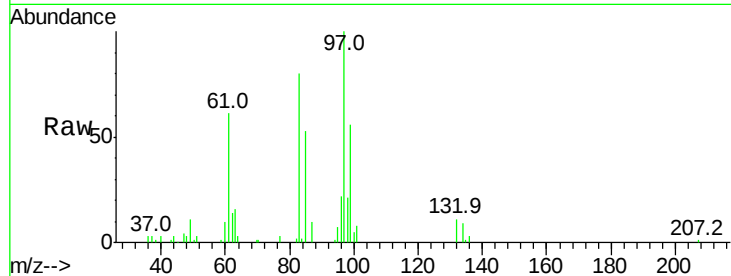
Ion Ratio Lower Upper

97 100

83 79.8 60.9 113.1

85 53.0 39.2 72.8

99 55.8 43.0 80.0

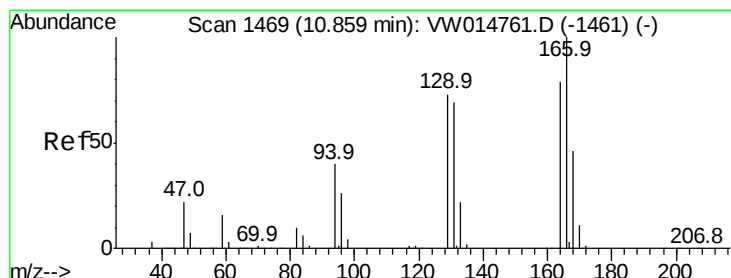
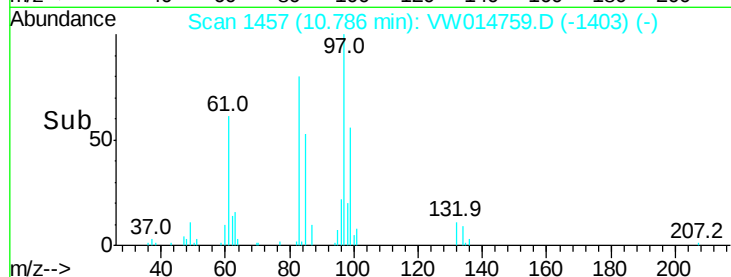
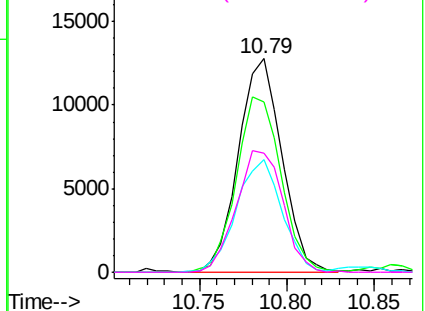


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 2.708 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

Tgt Ion: 164 Resp: 26587

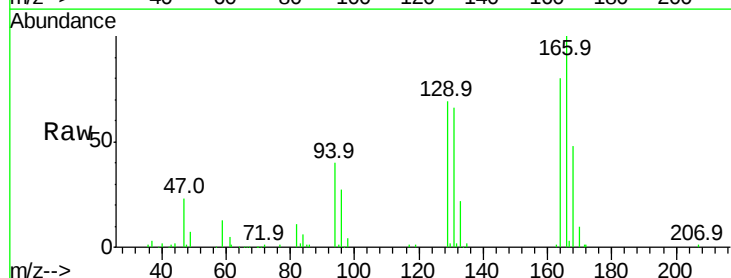
Ion Ratio Lower Upper

164 100

129 86.0 64.4 119.6

131 82.7 61.2 113.6

166 124.7 88.8 165.0

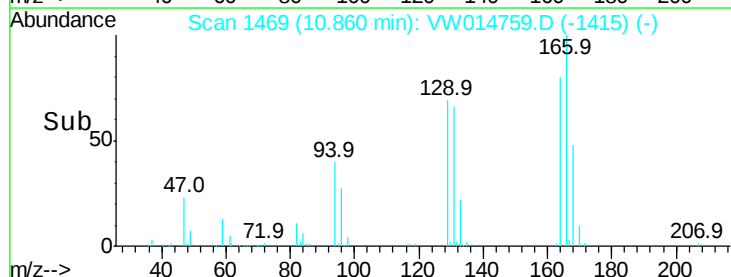
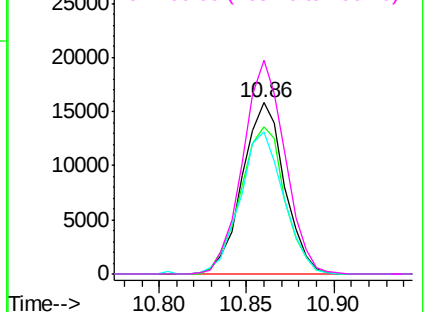


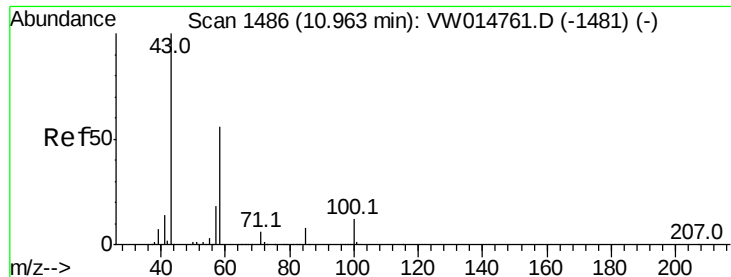
Abundance Ion 164.00 (163.70 to 164.70): V

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

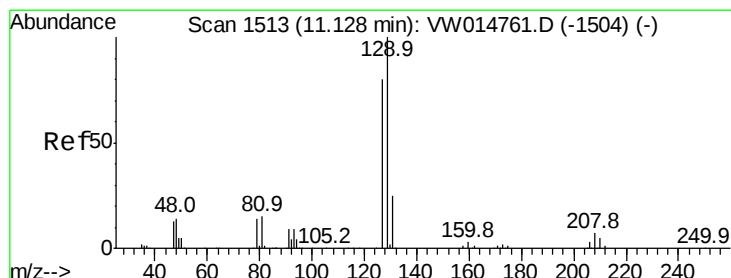
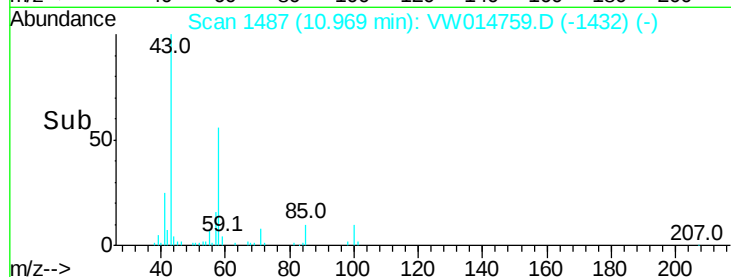
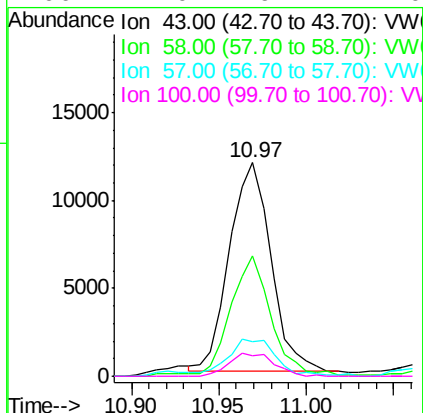
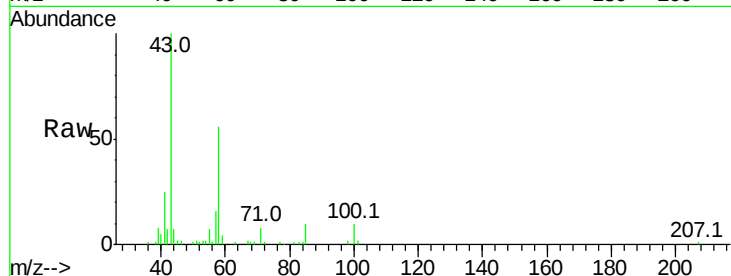




#49
2-Hexanone
Concen: 3.914 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW014759.D
Acq: 27 Jan 2020 09:58

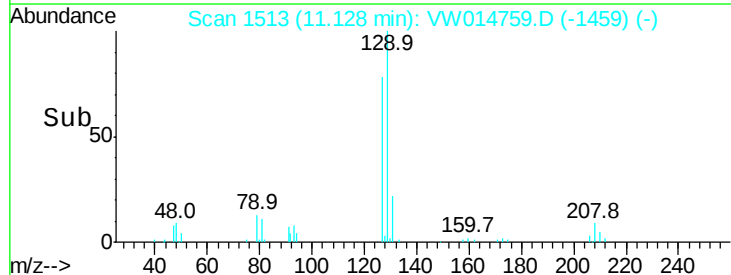
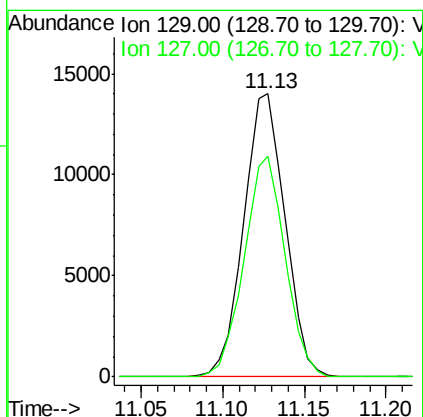
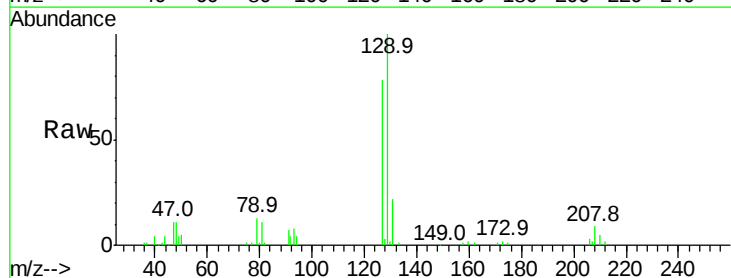
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

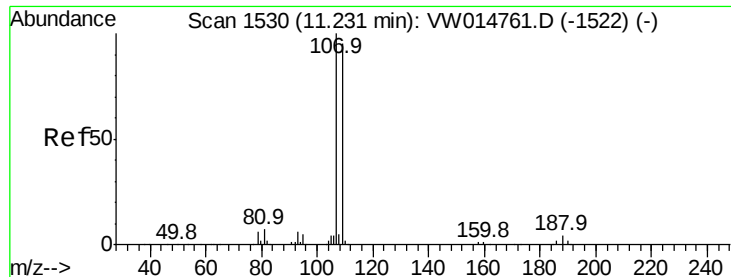
Tgt Ion: 43 Resp: 19679
Ion Ratio Lower Upper
43 100
58 54.4 43.2 64.8
57 19.5 14.7 22.1
100 12.0 9.4 14.0



#50
Dibromochloromethane
Concen: 2.686 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014759.D
Acq: 27 Jan 2020 09:58

Tgt Ion: 129 Resp: 24780
Ion Ratio Lower Upper
129 100
127 78.0 55.7 103.5





#51

1,2-Dibromoethane

Concen: 2.580 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

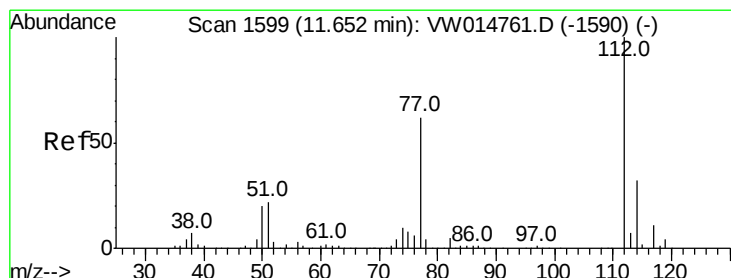
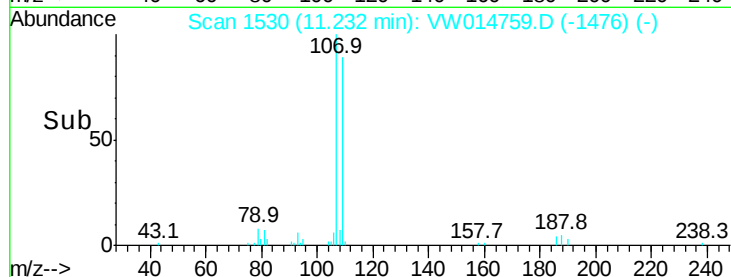
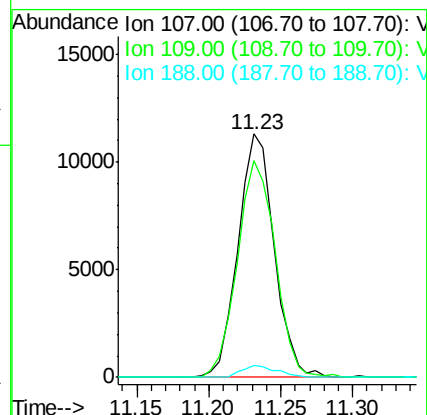
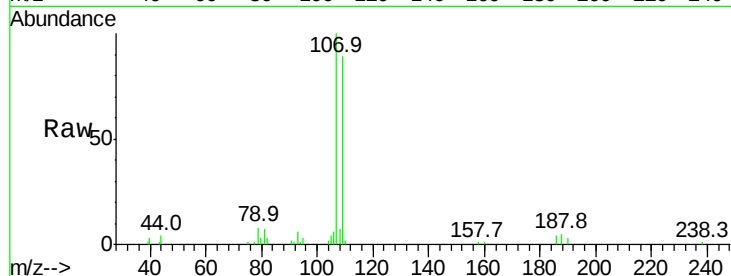
Tgt Ion:107 Resp: 19784

Ion Ratio Lower Upper

107 100

109 89.0 66.6 123.8

188 4.7 3.0 4.6#



#52

Chlorobenzene

Concen: 2.747 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

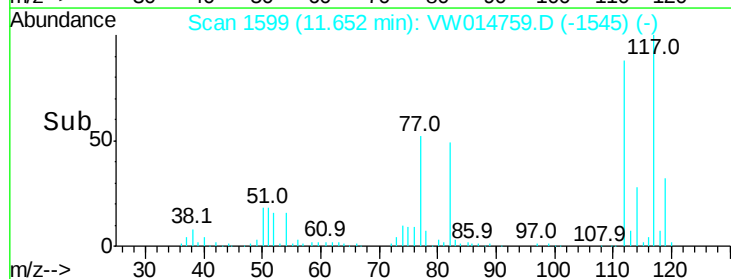
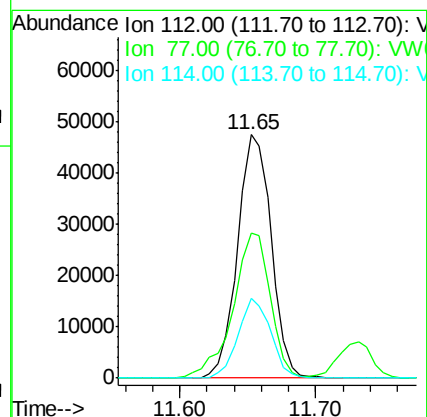
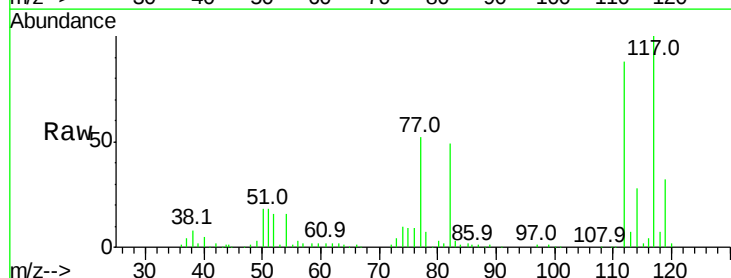
Tgt Ion:112 Resp: 82225

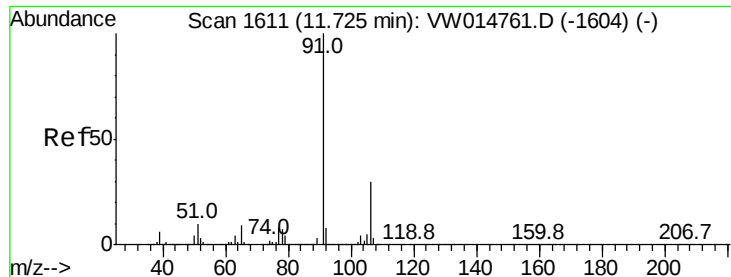
Ion Ratio Lower Upper

112 100

77 59.6 49.2 73.8

114 32.5 22.5 41.7

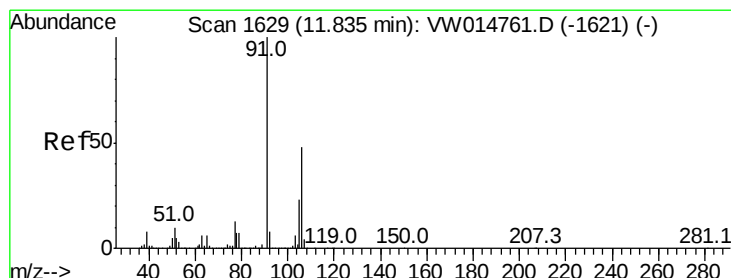
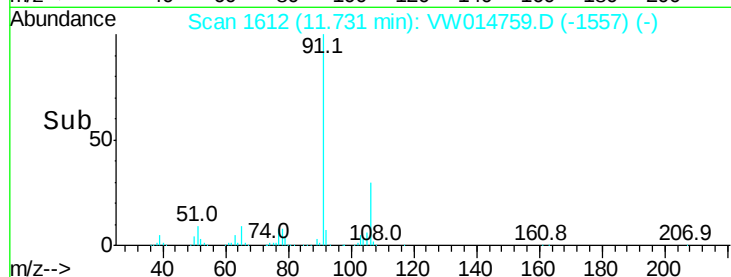
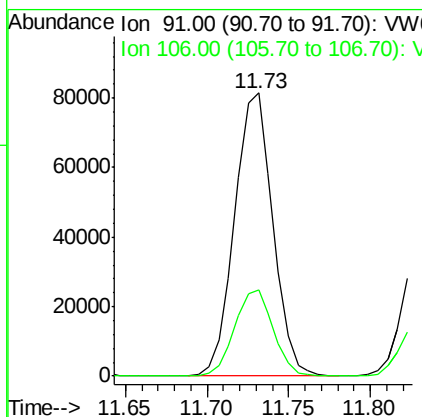
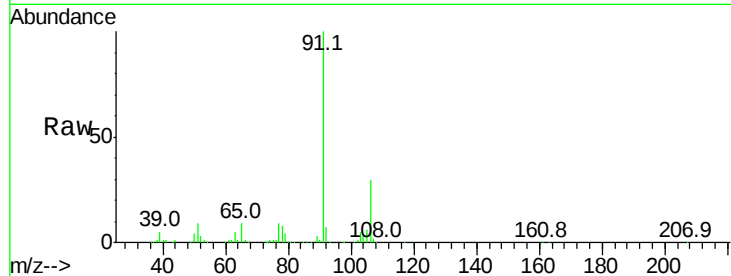




#53
Ethylbenzene
Concen: 2.559 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW014759.D
Acq: 27 Jan 2020 09:58

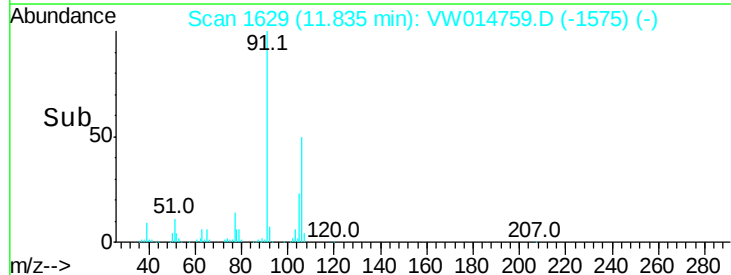
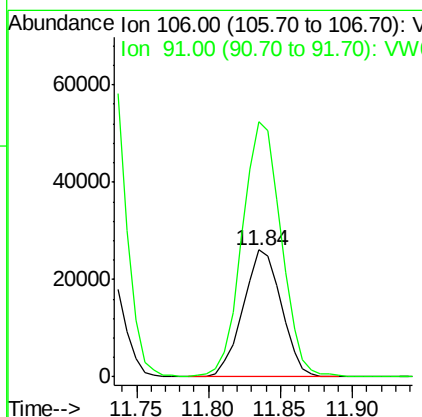
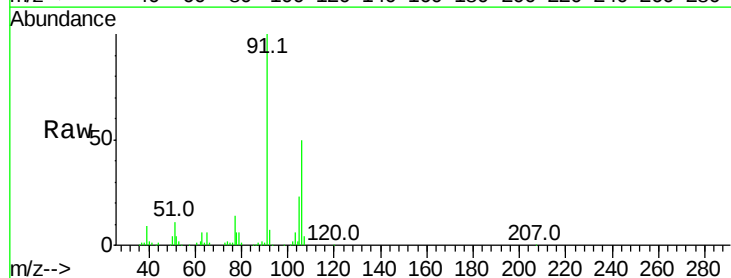
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

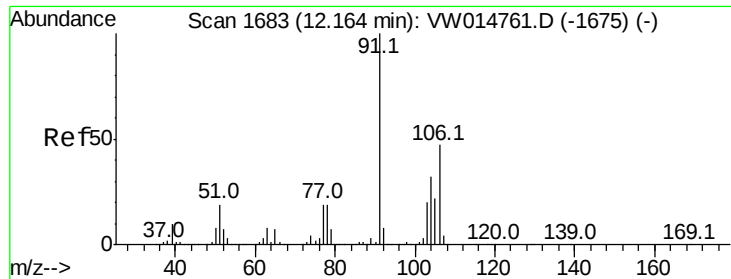
Tgt Ion: 91 Resp: 133207
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.3



#54
m,p-Xylene
Concen: 2.455 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014759.D
Acq: 27 Jan 2020 09:58

Tgt Ion: 106 Resp: 48366
Ion Ratio Lower Upper
106 100
91 201.2 146.2 271.6

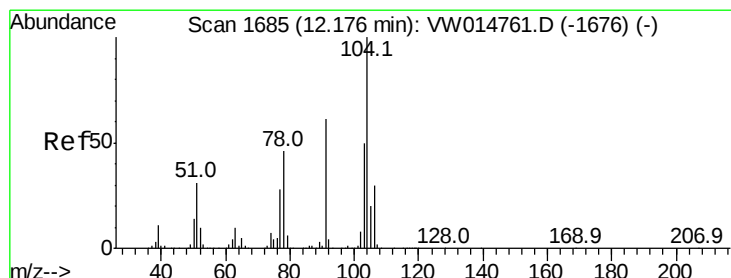
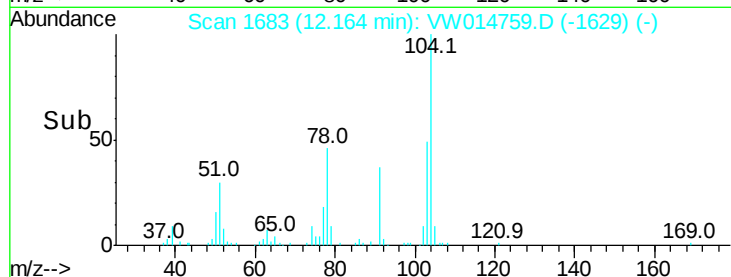
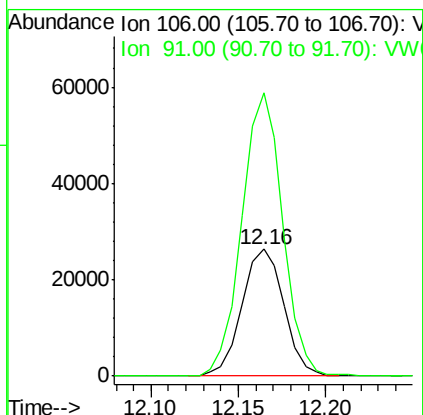
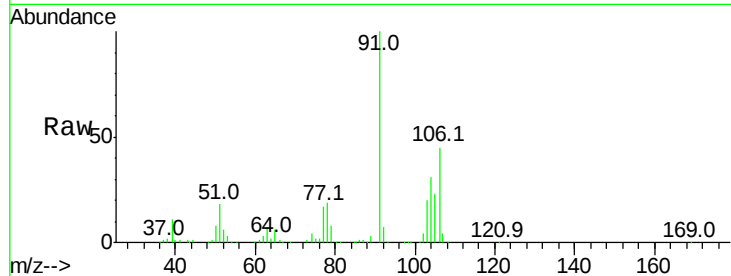




#55
o-xylene
Concen: 2.378 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014759.D
Acq: 27 Jan 2020 09:58

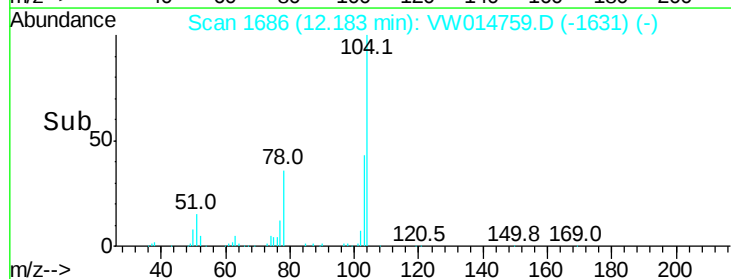
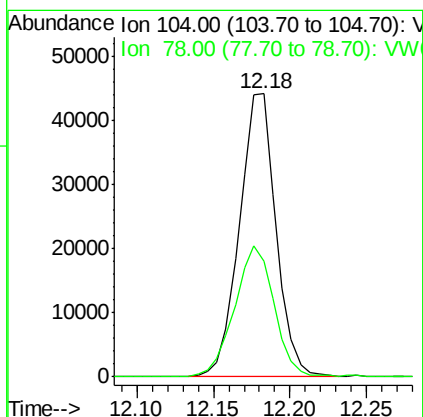
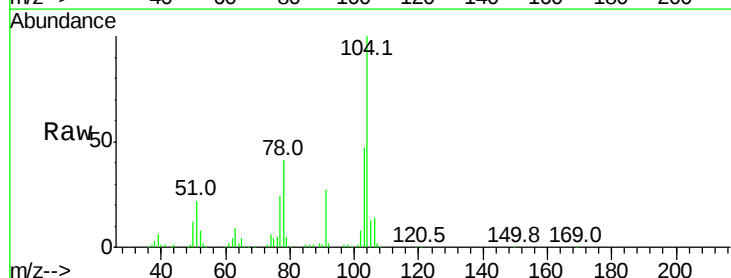
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

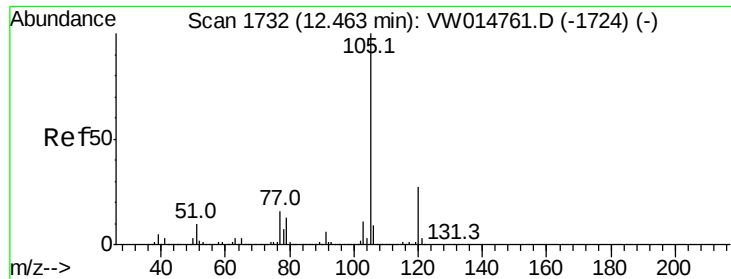
Tgt Ion:106 Resp: 44256
Ion Ratio Lower Upper
106 100
91 223.2 148.7 276.1



#56
Styrene
Concen: 2.348 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW014759.D
Acq: 27 Jan 2020 09:58

Tgt Ion:104 Resp: 73544
Ion Ratio Lower Upper
104 100
78 40.8 32.0 59.4





#57

Isopropylbenzene

Concen: 2.437 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

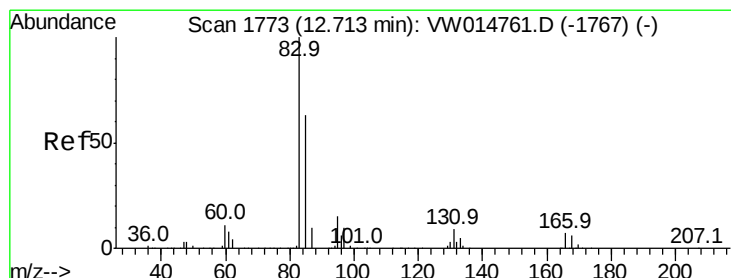
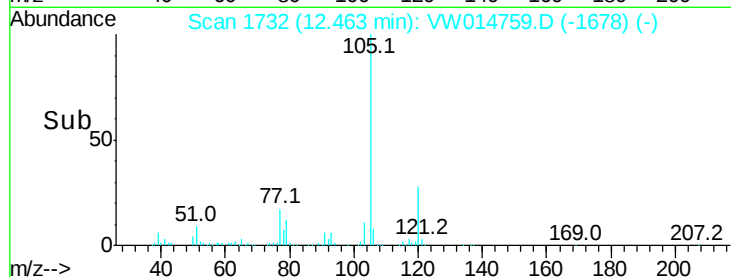
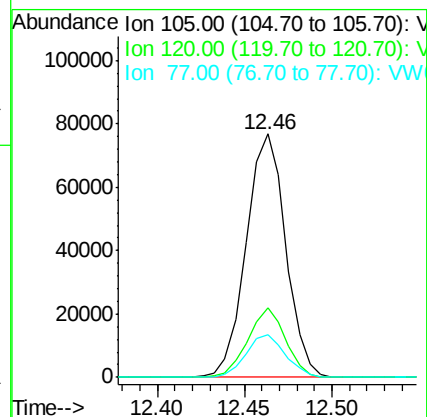
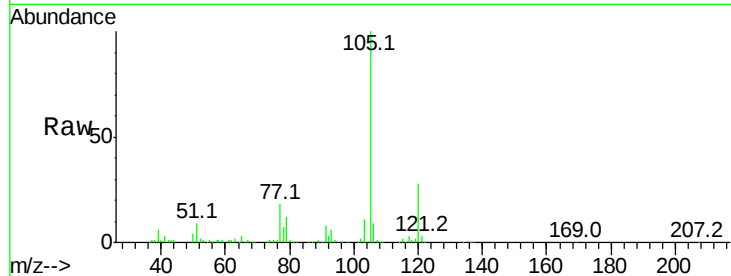
Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

Tgt Ion:	105	Resp:	120613
Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.1	31.7
77	17.5	13.0	19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 2.576 ug/L

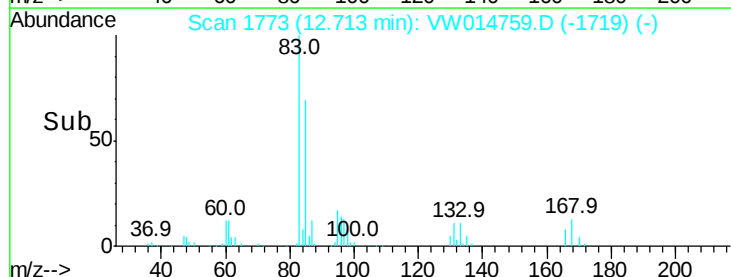
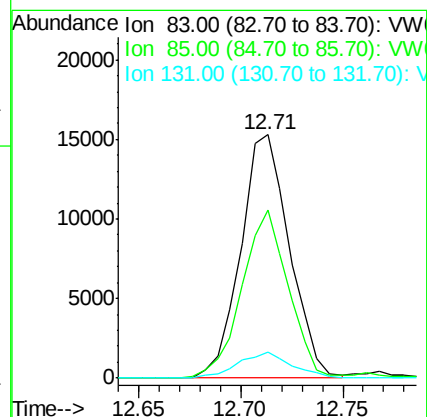
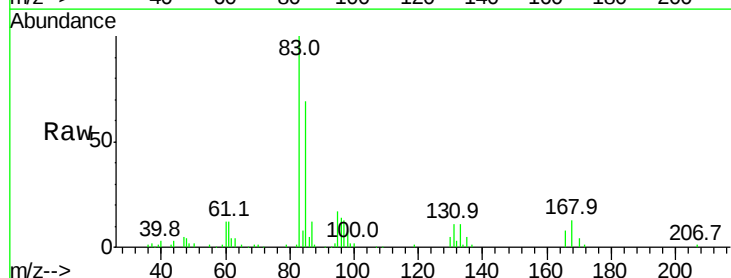
RT: 12.71 min Scan# 1773

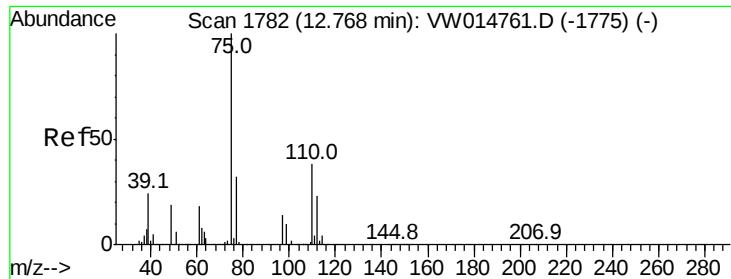
Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

Tgt Ion:	83	Resp:	25405
Ion	Ratio	Lower	Upper
83	100		
85	69.0	45.0	83.6
131	13.9	7.6	11.4#





#59

1,2,3-Trichloropropane

Concen: 2.679 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

Instrument :

MSVOA_W

ClientSampleId :

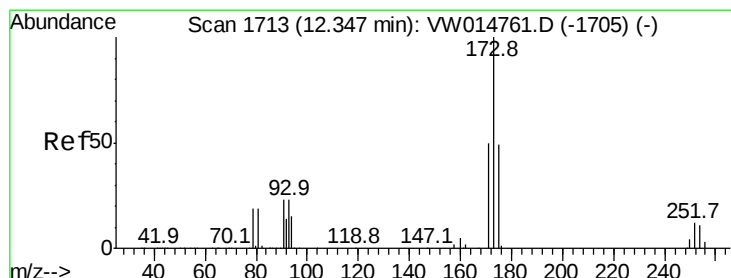
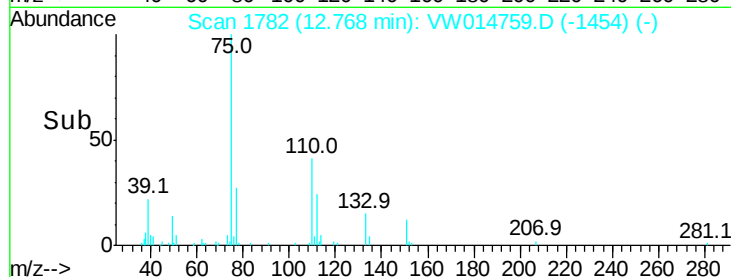
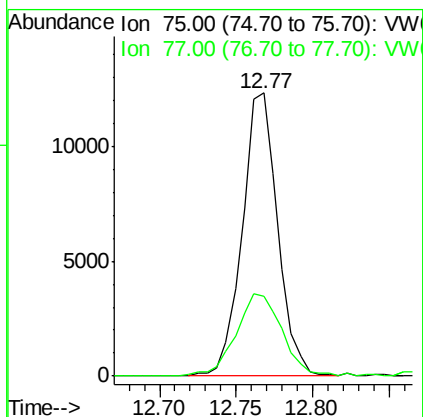
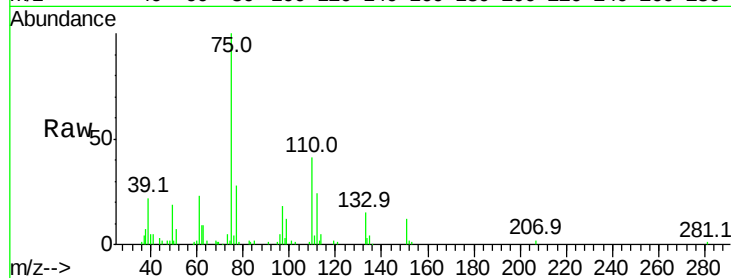
VSTD2.503

Tgt Ion: 75 Resp: 19796

Ion Ratio Lower Upper

75 100

77 37.4 25.8 38.8



#62

Bromoform

Concen: 2.782 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

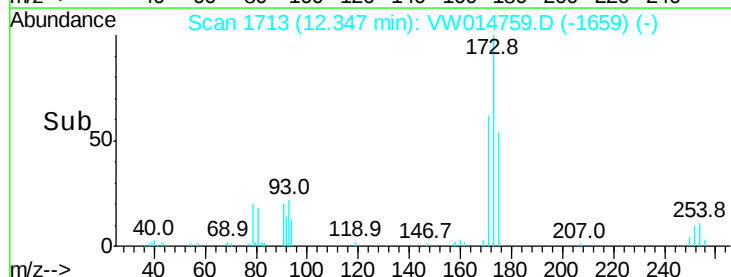
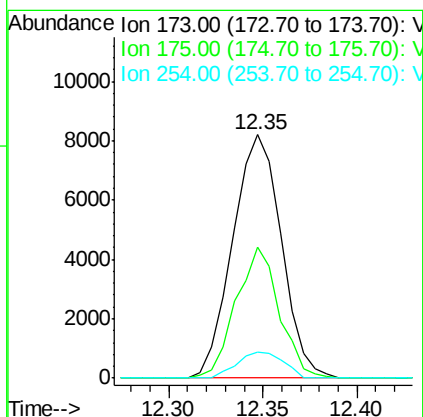
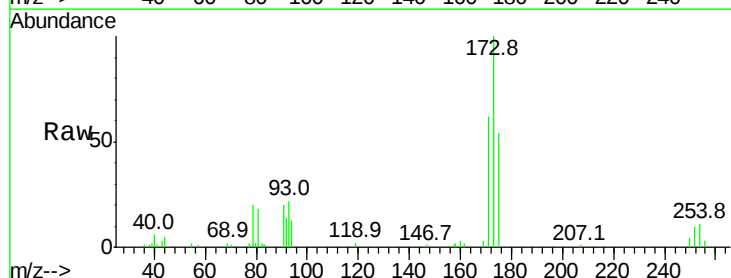
Tgt Ion: 173 Resp: 14711

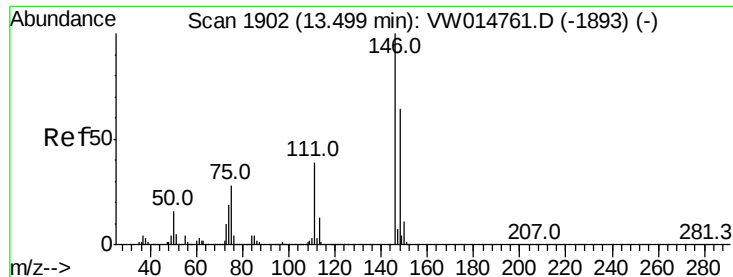
Ion Ratio Lower Upper

173 100

175 47.8 39.8 59.8

254 10.1 8.9 13.3

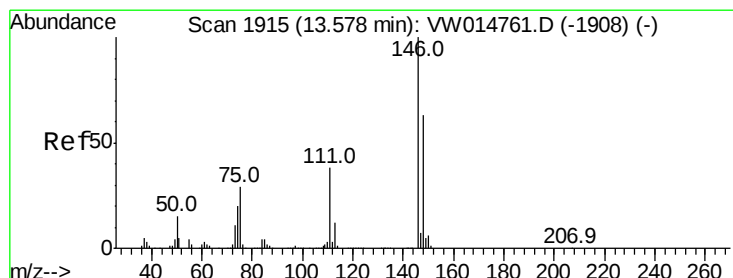
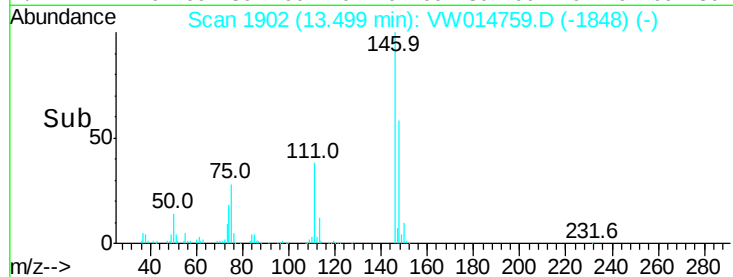
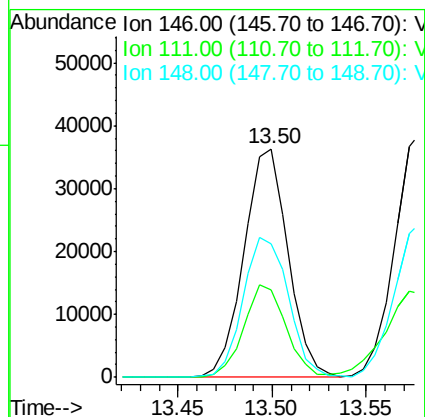
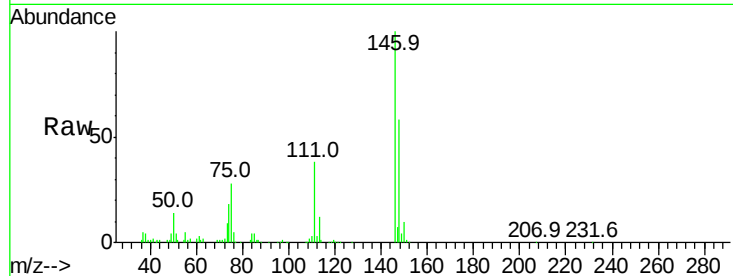




#63
 1,3-Dichlorobenzene
 Concen: 2.628 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014759.D
 Acq: 27 Jan 2020 09:58

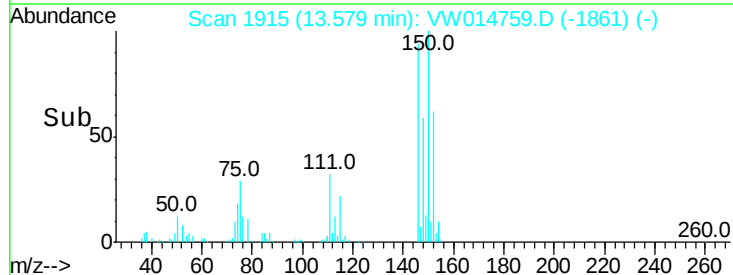
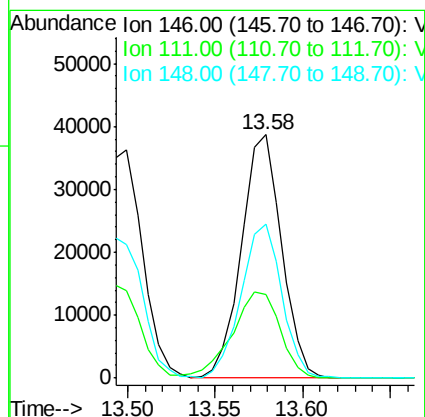
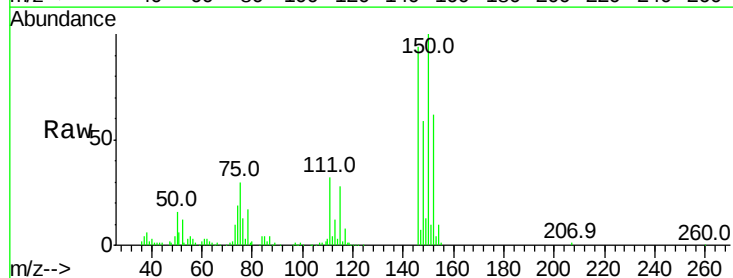
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

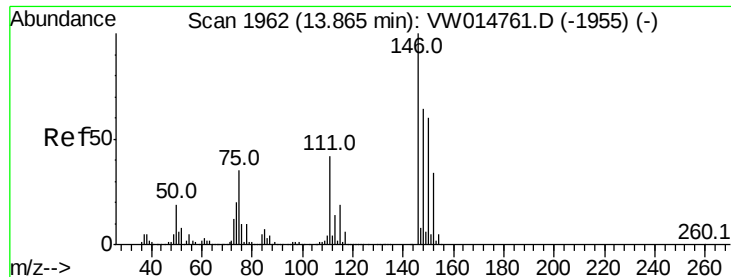
Tgt Ion:146 Resp: 58871
 Ion Ratio Lower Upper
 146 100
 111 38.2 27.1 50.3
 148 58.5 44.5 82.7



#64
 1,4-Dichlorobenzene
 Concen: 2.742 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014759.D
 Acq: 27 Jan 2020 09:58

Tgt Ion:146 Resp: 61959
 Ion Ratio Lower Upper
 146 100
 111 34.1 26.4 49.0
 148 63.1 43.9 81.5

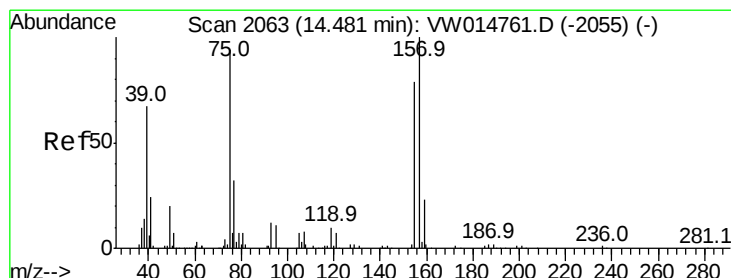
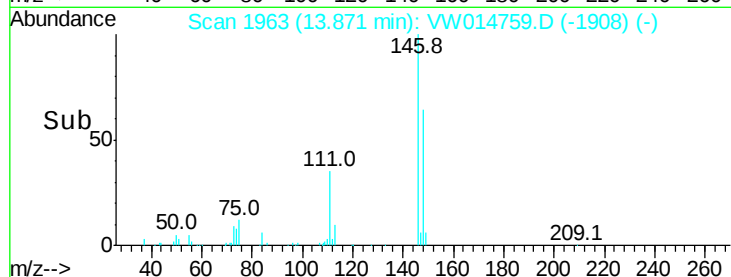
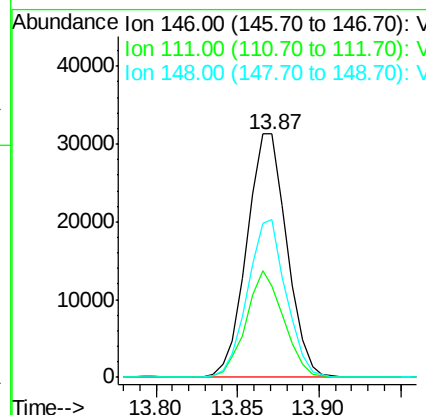
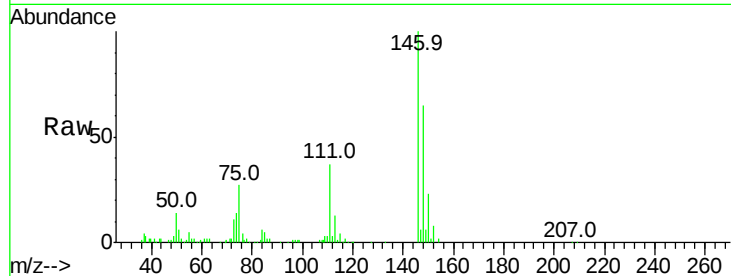




#65
 1,2-Dichlorobenzene
 Concen: 2.666 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014759.D
 Acq: 27 Jan 2020 09:58

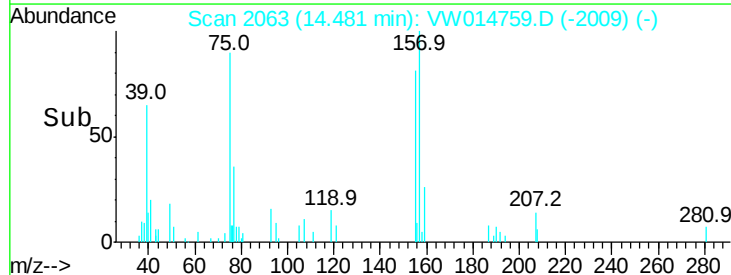
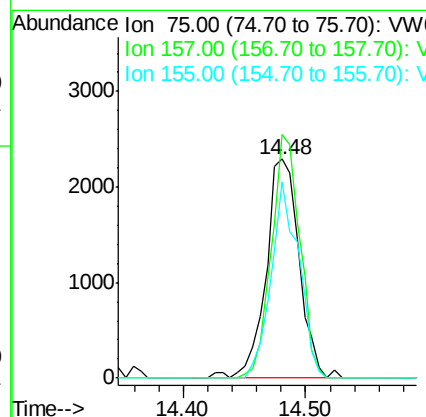
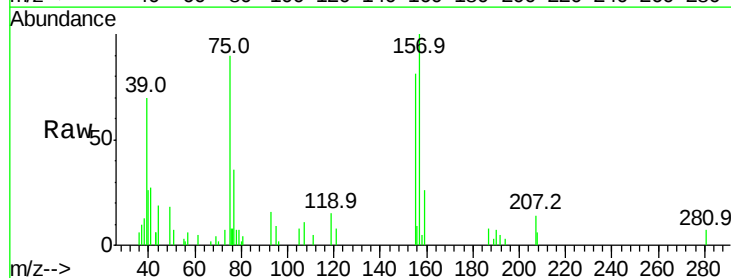
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

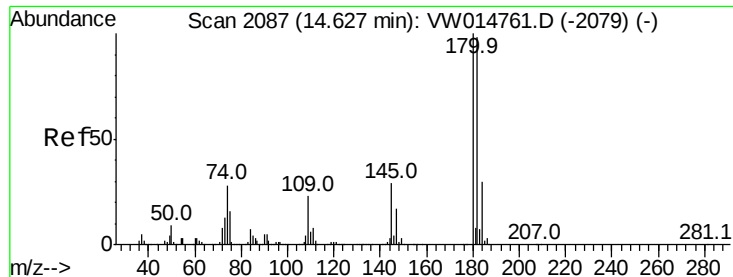
Tgt Ion: 146 Resp: 53547
 Ion Ratio Lower Upper
 146 100
 111 37.3 33.4 50.2
 148 64.9 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.911 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014759.D
 Acq: 27 Jan 2020 09:58

Tgt Ion: 75 Resp: 4330
 Ion Ratio Lower Upper
 75 100
 157 111.3 84.9 127.3
 155 90.0 67.1 100.7

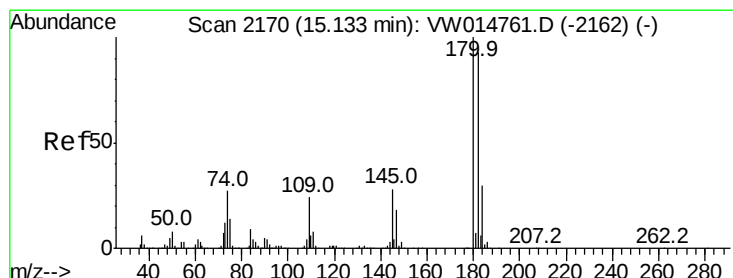
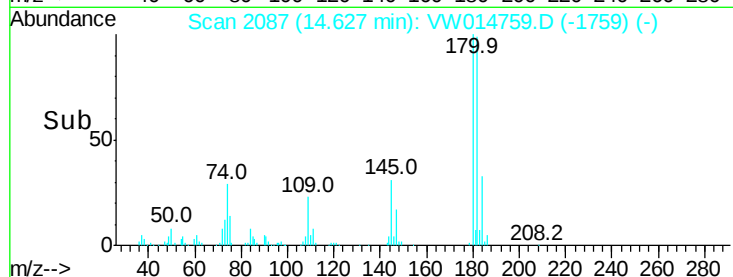
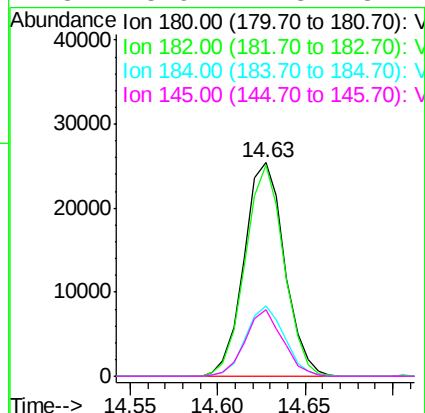
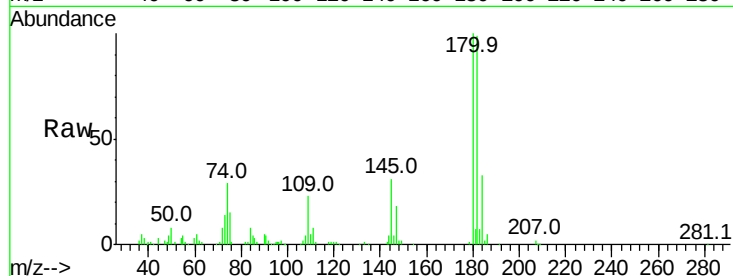




#67
 1,3,5-Trichlorobenzene
 Concen: 2.469 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014759.D
 Acq: 27 Jan 2020 09:58

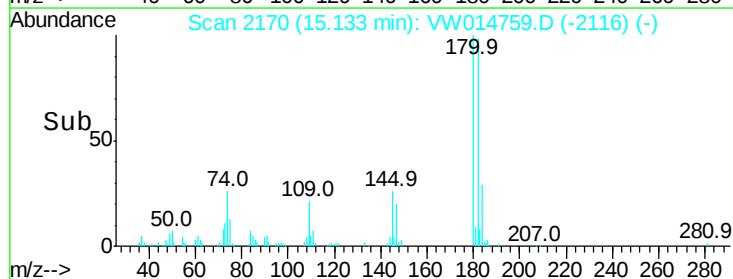
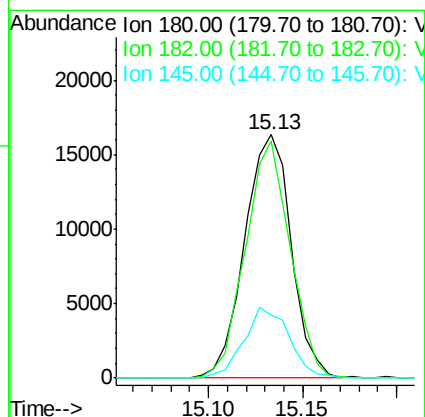
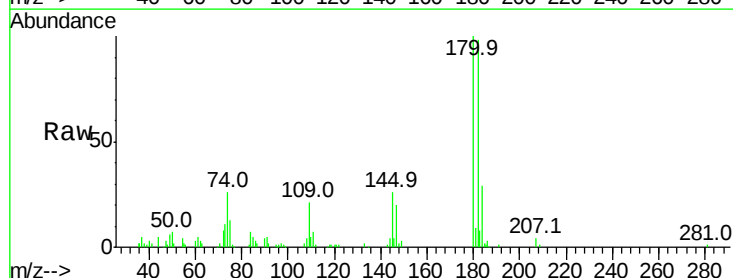
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

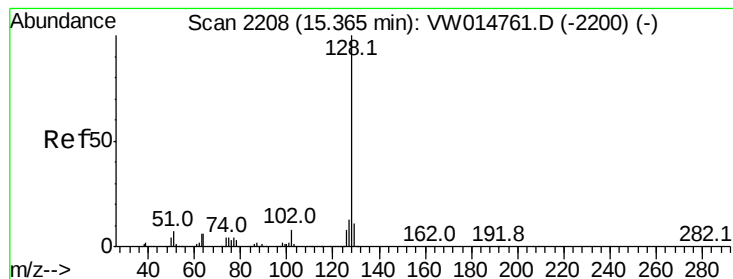
Tgt Ion:	180	Resp:	40977
Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.2	114.4
184	31.3	24.2	36.4
145	28.9	22.8	34.2



#68
 1,2,4-trichlorobenzene
 Concen: 2.254 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014759.D
 Acq: 27 Jan 2020 09:58

Tgt Ion:	180	Resp:	28038
Ion	Ratio	Lower	Upper
180	100		
182	93.6	77.2	115.8
145	28.4	23.3	34.9





#69

Naphthalene

Concen: 2.097 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

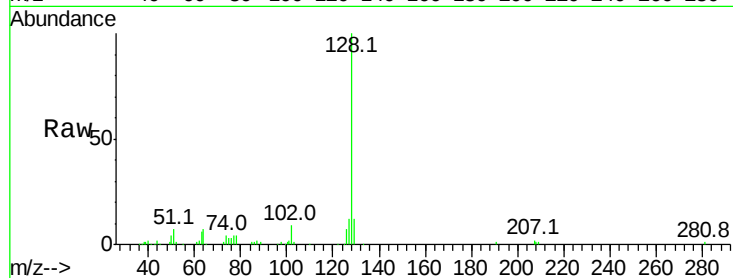
Tgt Ion:128 Resp: 45041

Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

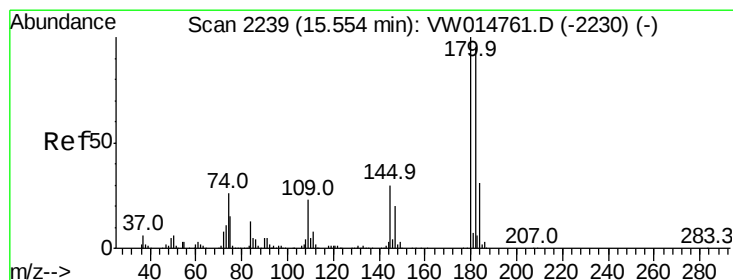
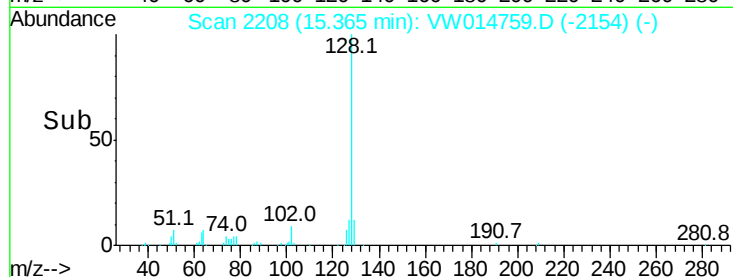
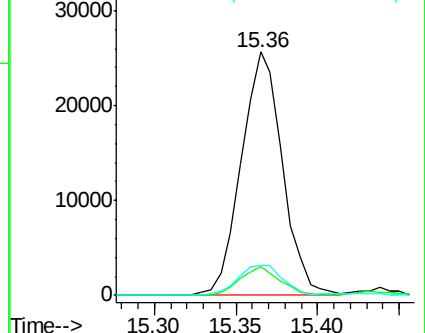
127 13.6 10.5 15.7



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: 2.331 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014759.D

Acq: 27 Jan 2020 09:58

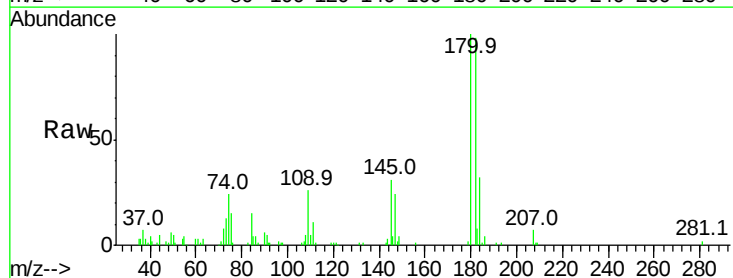
Tgt Ion:180 Resp: 26281

Ion Ratio Lower Upper

180 100

182 99.3 75.8 113.6

145 31.8 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

