

Data File : VW015023.D
Acq On : 24 Feb 2020 10:09
Operator : SY/VA
Sample : VSTD2.527
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

Quant Time: Feb 24 11:39:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
Quant Title : VOC Analysis
QLast Update : Mon Feb 24 11:37:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	710301	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	667859	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	273686	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	54966	4.67	ug/L	0.00
7) Chloroethane-d5	2.89	69	40046	4.25	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	76526	3.56	ug/L	0.00
20) 2-Butanone-d5	7.09	46	15048	4.56	ug/L	0.01
24) Chloroform-d	7.65	84	71060	3.52	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	40079	3.59	ug/L	0.00
29) Benzene-d6	8.27	84	127451	2.97	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	44335	3.17	ug/L	0.00
37) Toluene-d8	10.32	98	97369	2.58	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	15189	2.75	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	8199	3.21	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	28599	2.71	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	29493	2.78	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	14592	1.998 ug/L	89
3) Chloromethane	2.21	50	41354	3.737 ug/L	99
5) Vinyl chloride	2.37	62	47688	3.301 ug/L	99
6) Bromomethane	2.78	94	21899	3.031 ug/L	99
8) Chloroethane	2.93	64	26742	3.383 ug/L	97
9) Trichlorofluoromethane	3.26	101	20110	3.443 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	28464	2.761 ug/L	96
12) 1,1-Dichloroethene	4.04	96	25357	2.517 ug/L #	70
13) Acetone	4.13	43	18479	5.425 ug/L	95
14) Carbon disulfide	4.38	76	101149	3.343 ug/L	98
15) Methyl Acetate	4.68	43	14524	2.591 ug/L #	83
16) Methylene chloride	4.92	84	42137	3.256 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	28211	2.143 ug/L #	90
18) trans-1,2-Dichloroethene	5.42	96	26659	2.611 ug/L	87
19) 1,1-Dichloroethane	6.21	63	63118	3.052 ug/L	94
21) 2-Butanone	7.17	43	19651	4.927 ug/L	95
22) cis-1,2-Dichloroethene	7.16	96	26002	2.355 ug/L	93
23) Bromochloromethane	7.51	128	10986	2.425 ug/L	91
25) Chloroform	7.67	83	60312	3.175 ug/L	98
27) 1,2-Dichloroethane	8.40	62	39864	3.043 ug/L	95
30) Cyclohexane	7.95	56	43029	2.162 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	44671	2.933 ug/L	98
32) Carbon tetrachloride	8.07	117	38680	2.826 ug/L	96
34) Benzene	8.32	78	116347	2.533 ug/L	100
35) Trichloroethene	9.09	95	30162	2.650 ug/L	99
36) Methylcyclohexane	9.34	83	43414	2.189 ug/L	96
40) 1,2-Dichloropropane	9.37	63	34140	2.778 ug/L	100
41) Bromodichloromethane	9.64	83	39135	2.778 ug/L #	98
42) cis-1,3-Dichloropropene	10.07	75	38040	2.180 ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	30817	3.824 ug/L	97

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Quant Title : VOC Analysis
QLast Update : Mon Feb 24 11:37:55 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	105187	2.256	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	30981	2.205	ug/L	87
46) 1,1,2-Trichloroethane	10.79	97	19676	2.432	ug/L	95
47) Tetrachloroethene	10.86	164	19317	2.309	ug/L	93
49) 2-Hexanone	10.96	43	21268	3.757	ug/L	91
50) Dibromochloromethane	11.13	129	20438	2.350	ug/L	96
51) 1,2-Dibromoethane	11.23	107	15731	2.090	ug/L #	94
52) Chlorobenzene	11.66	112	70979	2.490	ug/L	97
53) Ethylbenzene	11.73	91	113288	2.221	ug/L	100
54) m,p-Xylene	11.83	106	36835	1.977	ug/L	94
55) o-xylene	12.16	106	34585	1.951	ug/L	96
56) Styrene	12.18	104	57502	1.919	ug/L	95
57) Isopropylbenzene	12.46	105	91924	1.930	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	24006	2.377	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	18678	2.458	ug/L	95
62) Bromoform	12.35	173	9805	2.350	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	43458	2.351	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	48856	2.623	ug/L	96
65) 1,2-Dichlorobenzene	13.86	146	39113	2.313	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	3324	2.305	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	28341	2.140	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	17147	1.639	ug/L	97
69) Naphthalene	15.36	128	13129	0.638	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	16198	1.677	ug/L	100

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

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MSVOA_W
ClientSampleId :
VSTD2.501

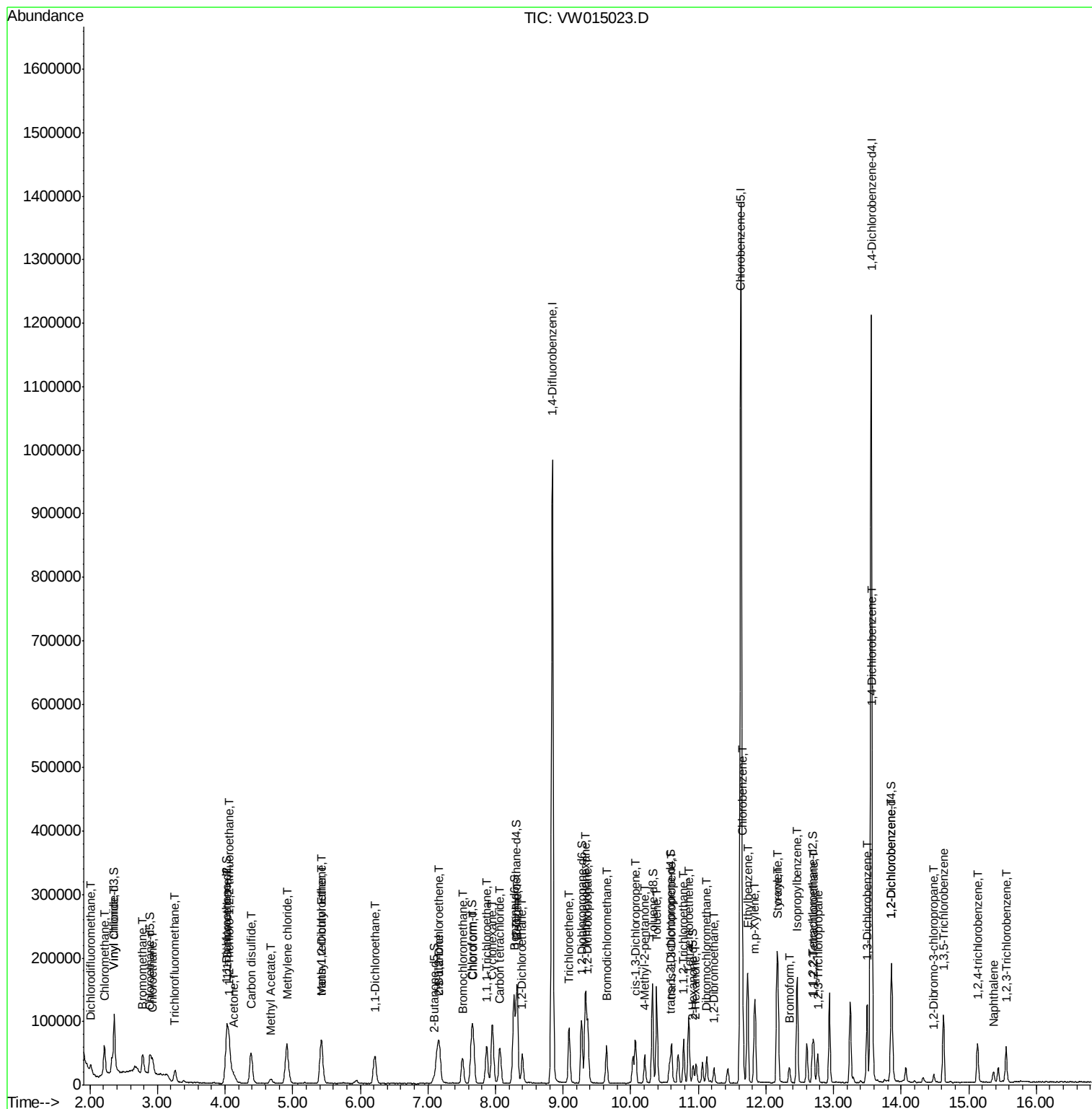
Quant Time: Feb 24 11:39:50 2020

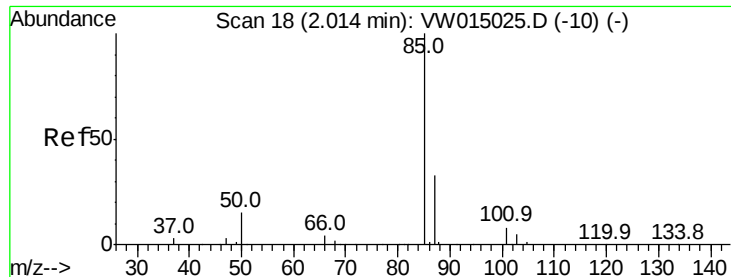
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M

Quant Title : VOC Analysis

QLast Update : Mon Feb 24 11:37:55 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.998 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

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Acq: 24 Feb 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

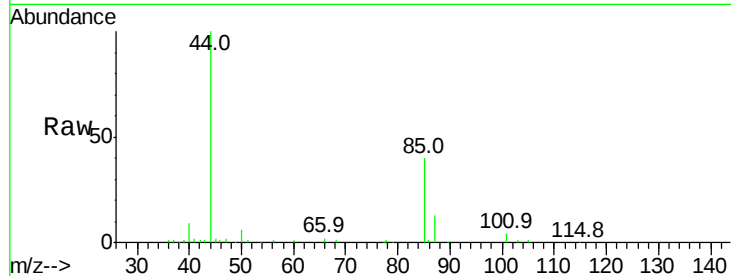
VSTD2.501

Tgt Ion: 85 Resp: 14592

Ion Ratio Lower Upper

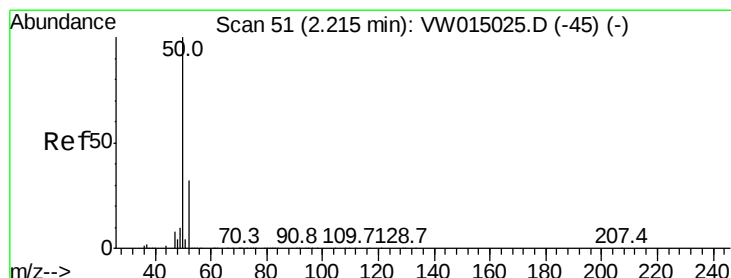
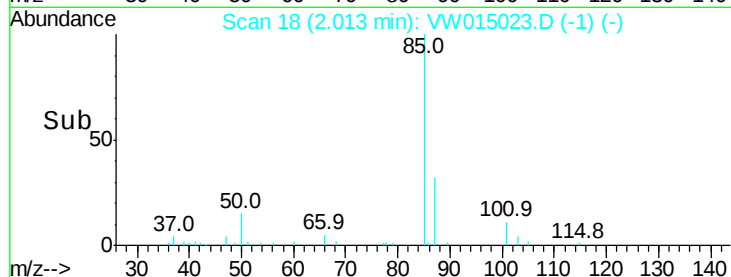
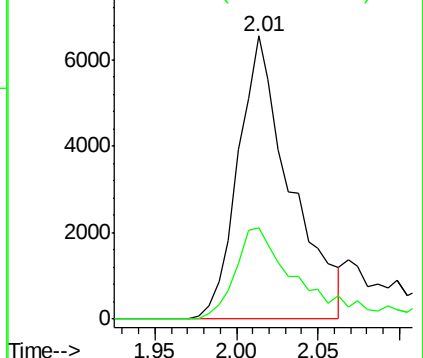
85 100

87 37.6 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 3.737 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015023.D

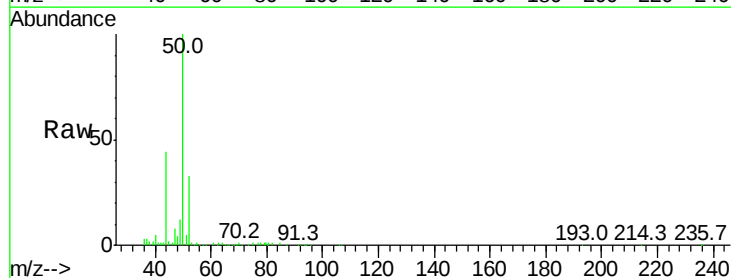
Acq: 24 Feb 2020 10:09

Tgt Ion: 50 Resp: 41354

Ion Ratio Lower Upper

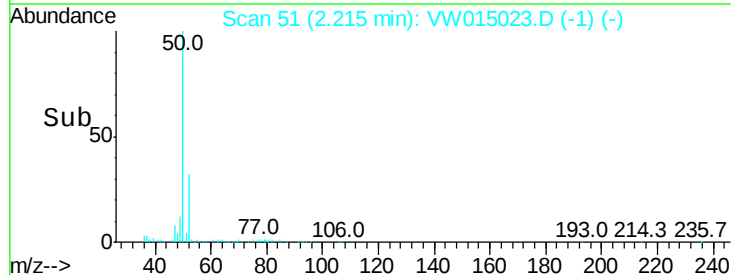
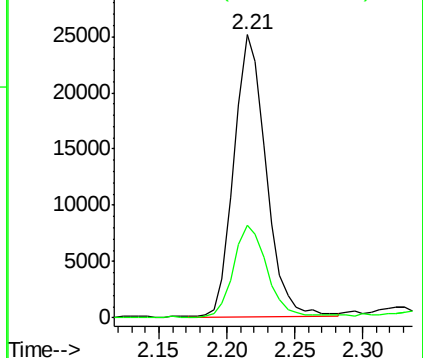
50 100

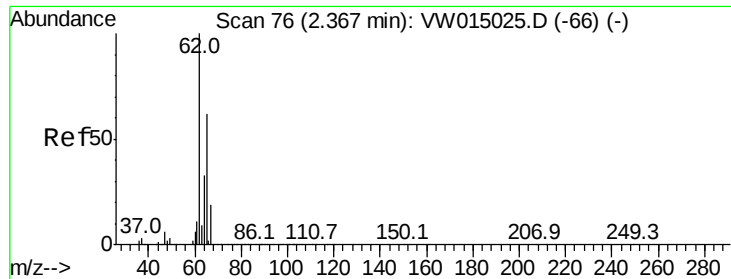
52 32.7 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 3.301 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

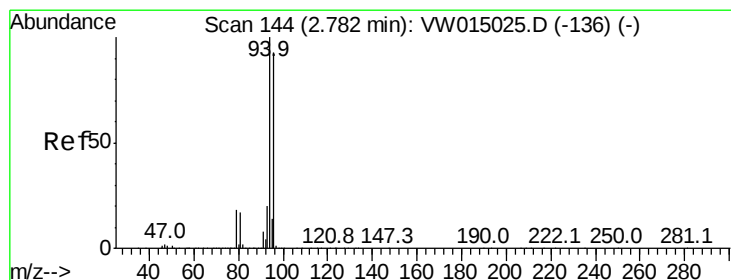
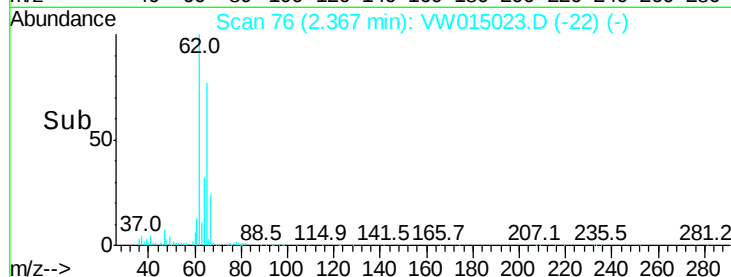
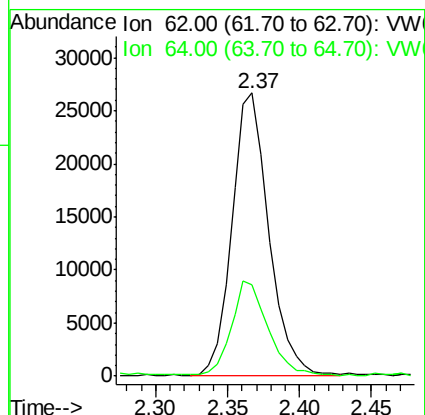
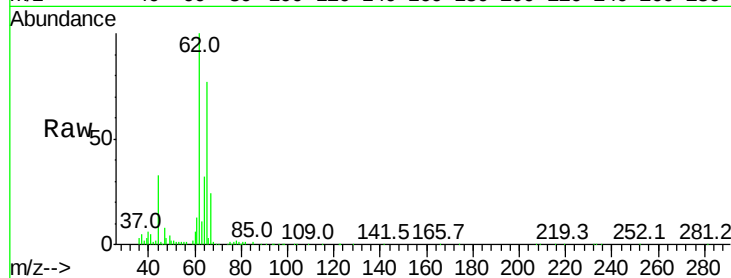
VSTD2.501

Tgt Ion: 62 Resp: 47688

Ion Ratio Lower Upper

62 100

64 32.1 23.0 42.8



#6

Bromomethane

Concen: 3.031 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015023.D

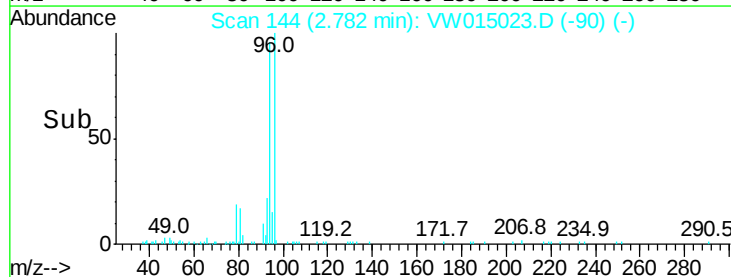
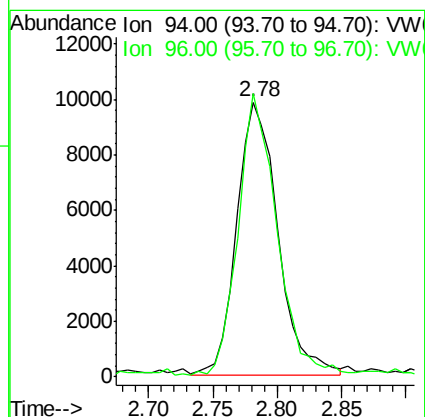
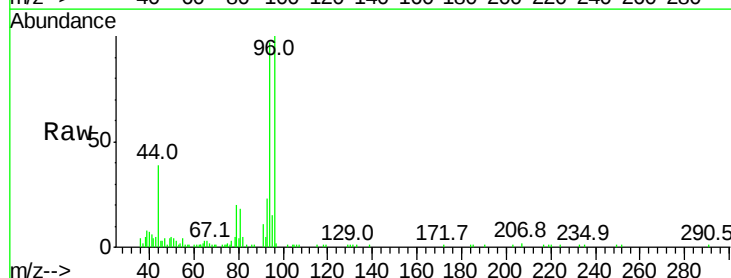
Acq: 24 Feb 2020 10:09

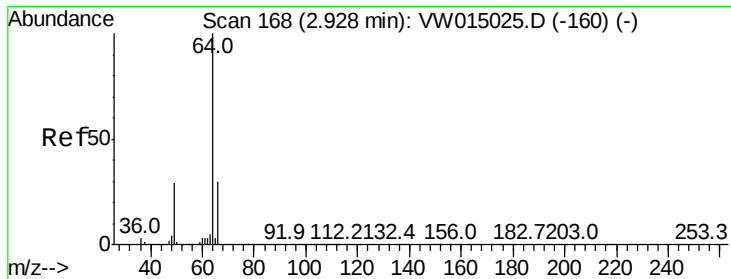
Tgt Ion: 94 Resp: 21899

Ion Ratio Lower Upper

94 100

96 95.6 9.5 179.7





#8

Chloroethane

Concen: 3.383 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

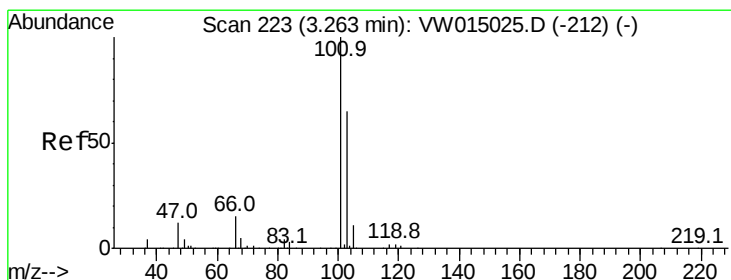
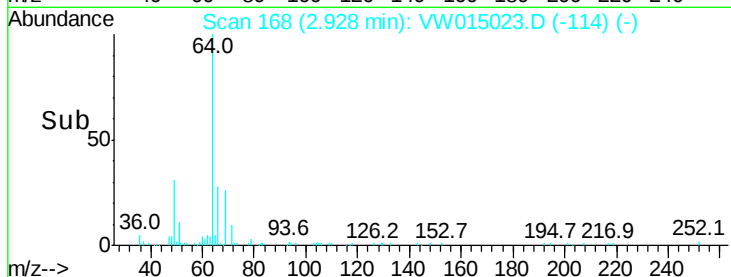
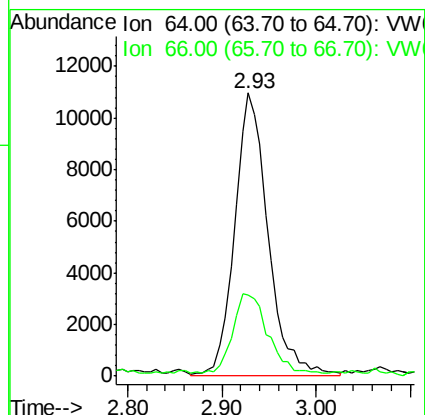
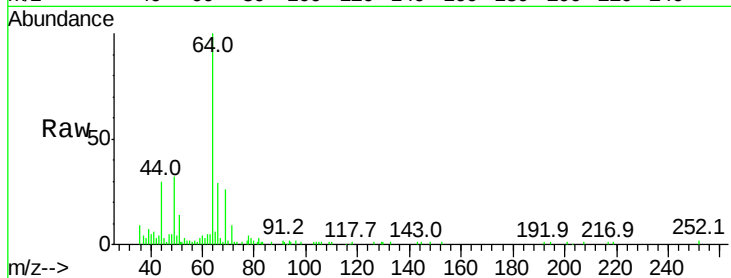
VSTD2.501

Tgt Ion: 64 Resp: 26742

Ion Ratio Lower Upper

64 100

66 28.9 21.2 39.4



#9

Trichlorofluoromethane

Concen: 3.443 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015023.D

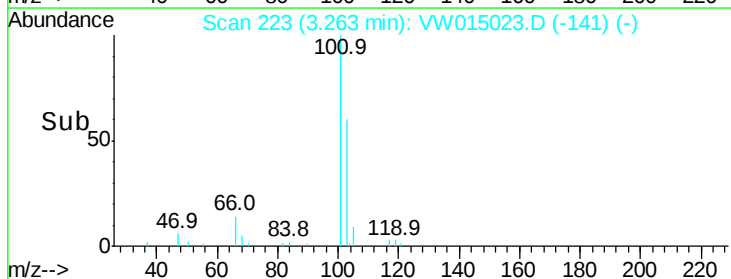
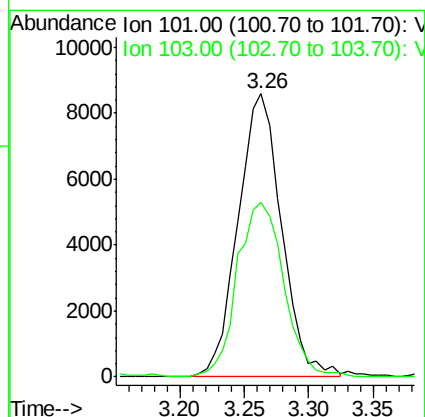
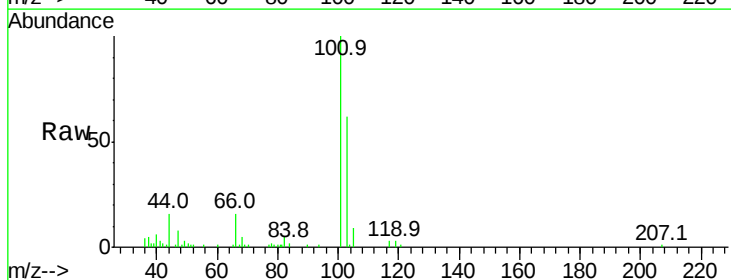
Acq: 24 Feb 2020 10:09

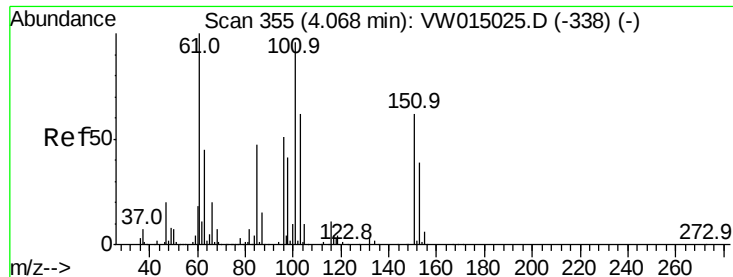
Tgt Ion: 101 Resp: 20110

Ion Ratio Lower Upper

101 100

103 65.8 44.9 83.5





#11

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

Concen: 2.761 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

Instrument :

MSVOA_W

ClientSampled :

VSTD2.501

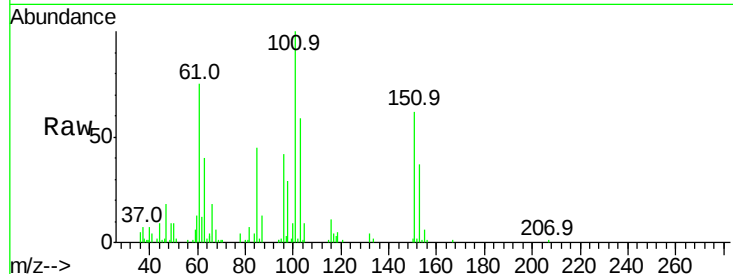
Tgt Ion:101 Resp: 28464

Ion Ratio Lower Upper

101 100

85 50.7 37.8 56.8

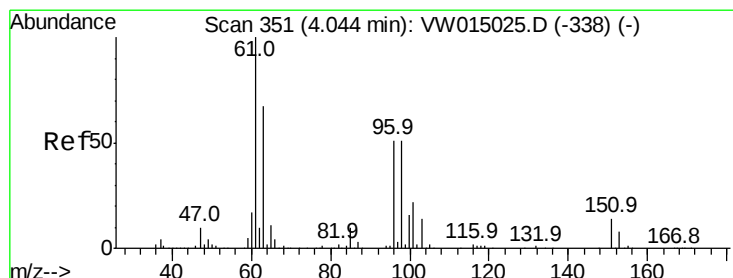
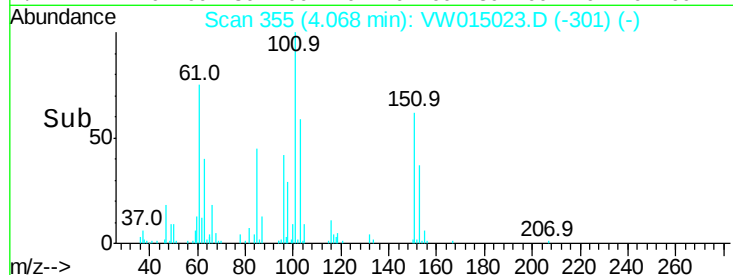
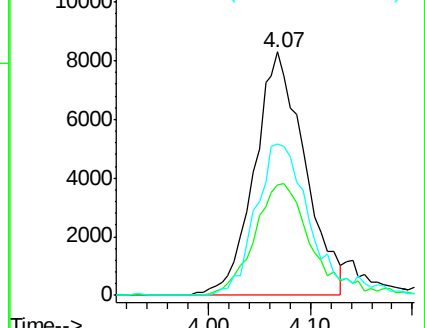
151 64.8 50.3 75.5



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: 2.517 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

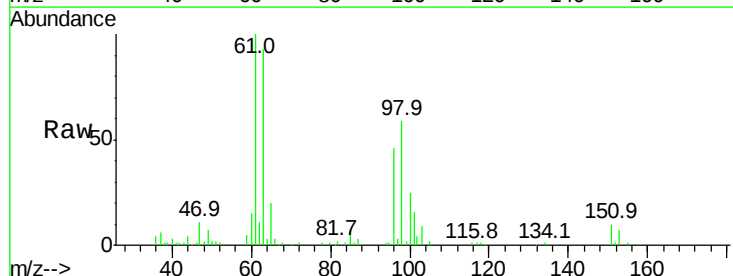
Tgt Ion: 96 Resp: 25357

Ion Ratio Lower Upper

96 100

61 216.7 138.5 257.1

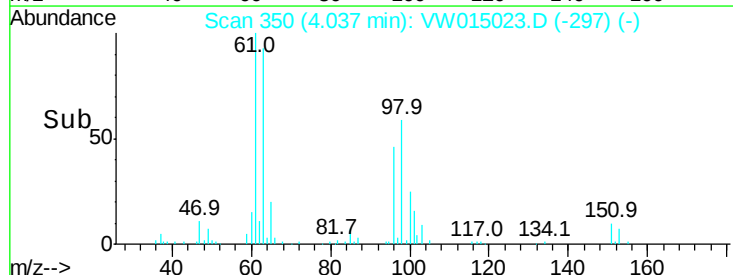
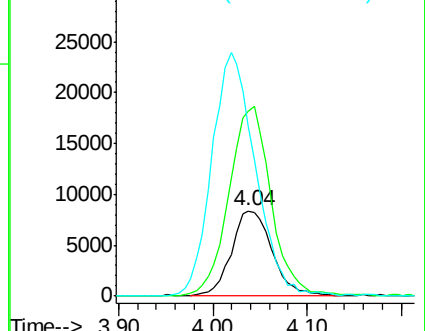
63 200.8 93.4 173.6#

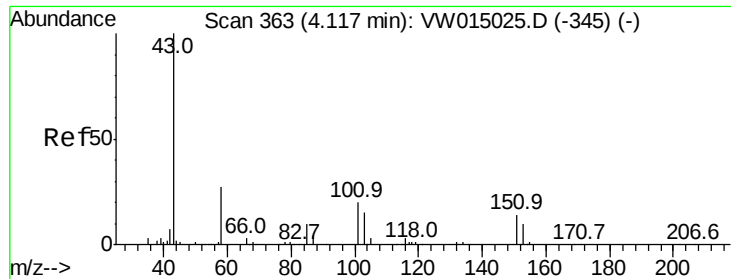


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.425 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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Acq: 24 Feb 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

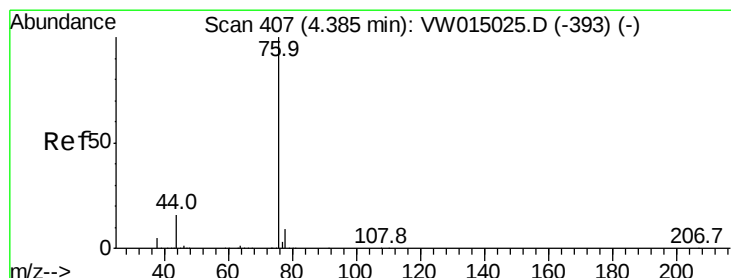
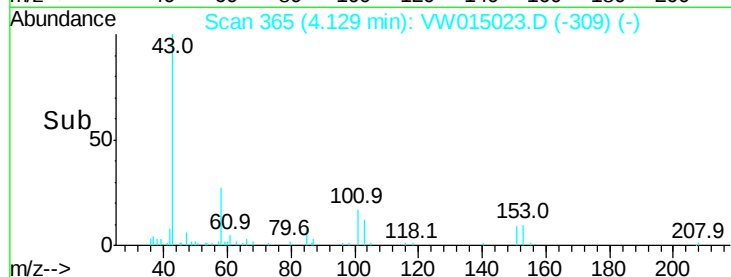
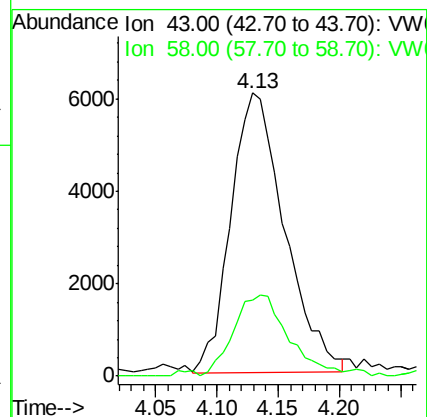
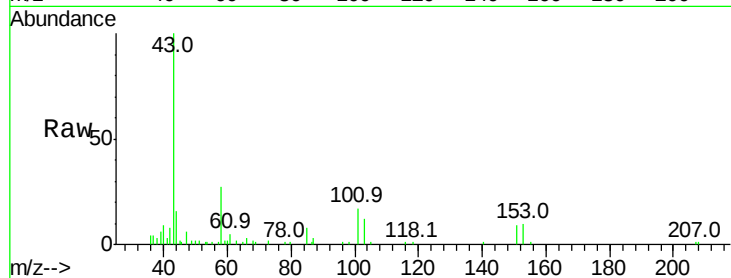
VSTD2.501

Tgt Ion: 43 Resp: 18479

Ion Ratio Lower Upper

43 100

58 29.5 0.0 54.0



#14

Carbon disulfide

Concen: 3.343 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW015023.D

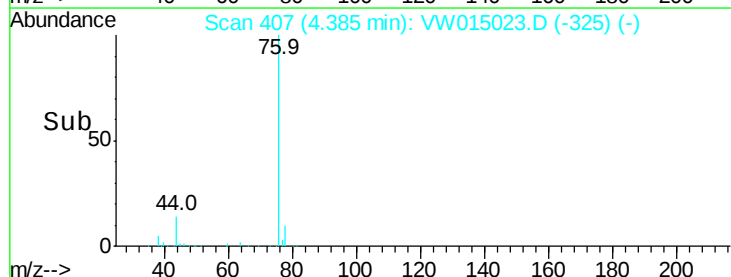
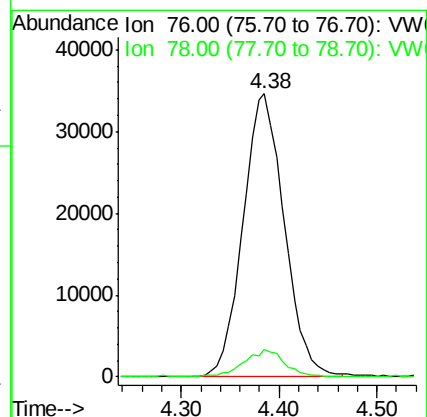
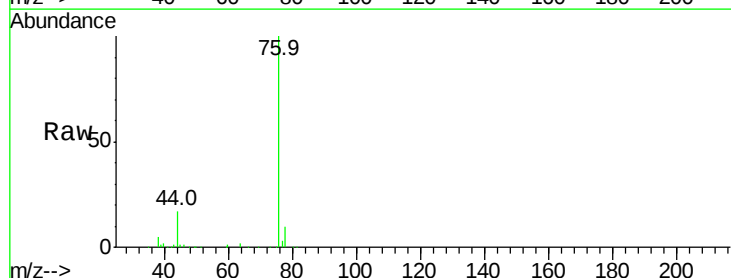
Acq: 24 Feb 2020 10:09

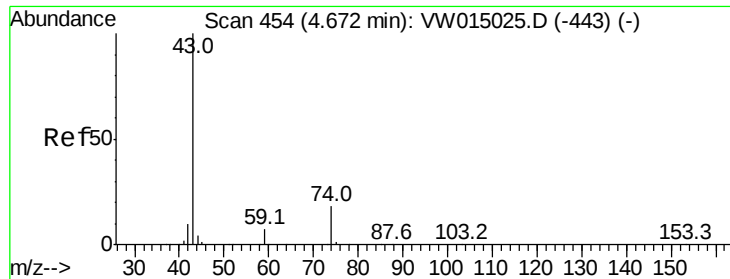
Tgt Ion: 76 Resp: 101149

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8

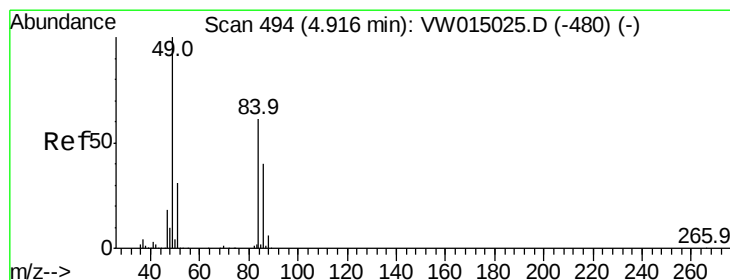
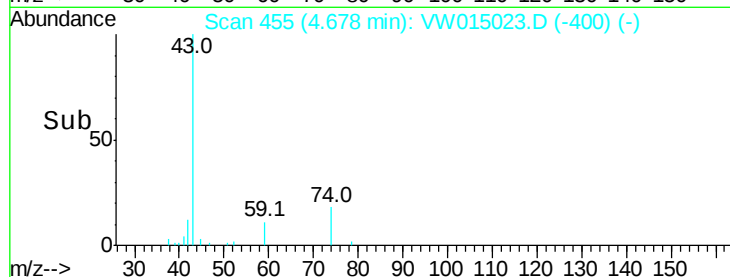
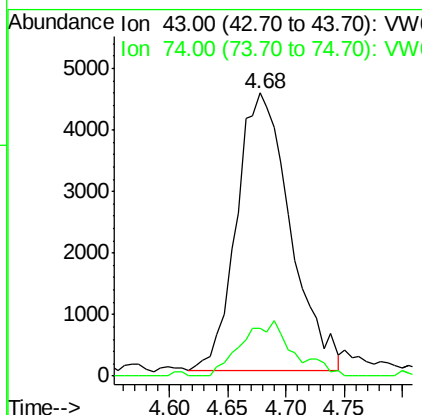
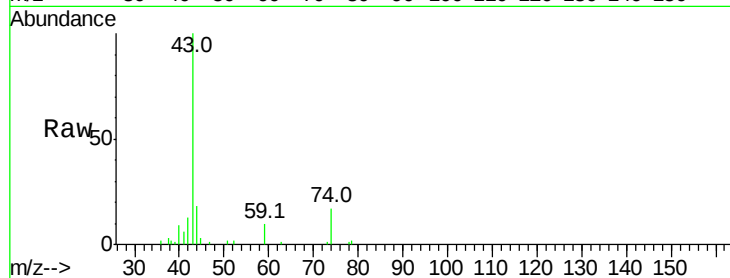




#15
Methyl Acetate
Concen: 2.591 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015023.D
Acq: 24 Feb 2020 10:09

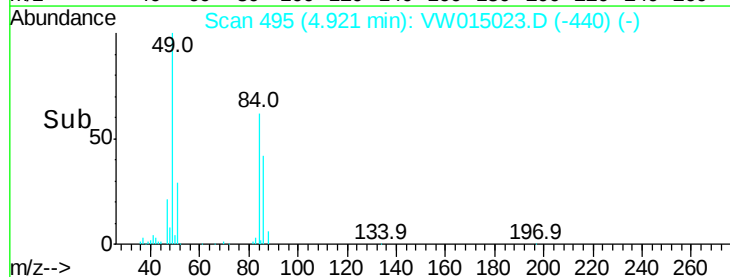
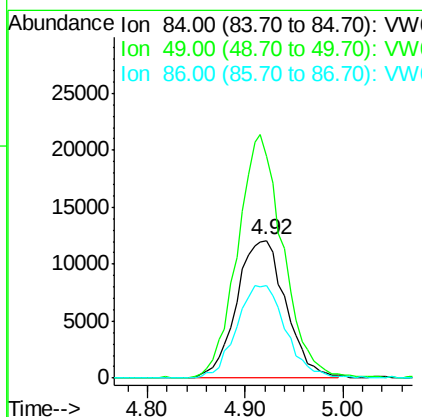
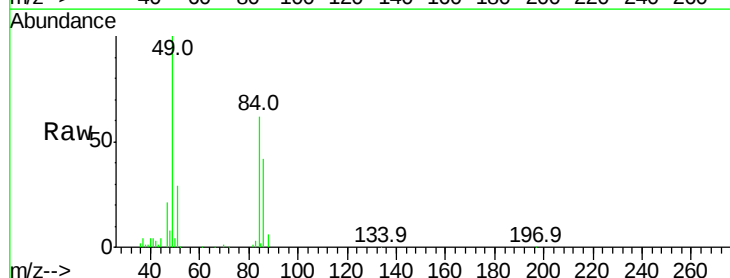
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

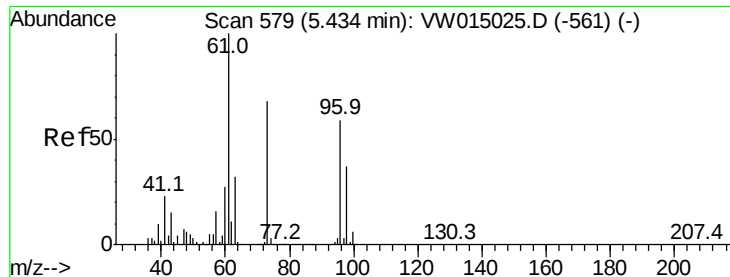
Tgt Ion: 43 Resp: 14524
Ion Ratio Lower Upper
43 100
74 10.4 14.5 21.7#



#16
Methylene chloride
Concen: 3.256 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW015023.D
Acq: 24 Feb 2020 10:09

Tgt Ion: 84 Resp: 42137
Ion Ratio Lower Upper
84 100
49 161.4 115.6 214.8
86 67.1 45.9 85.3

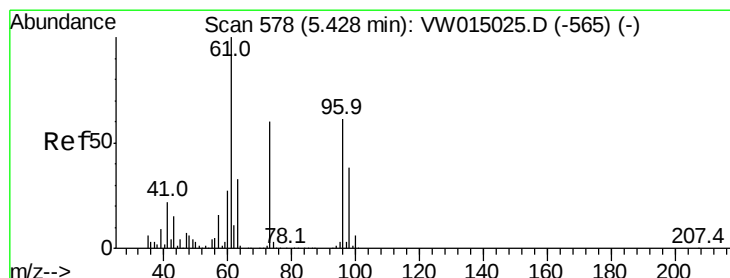
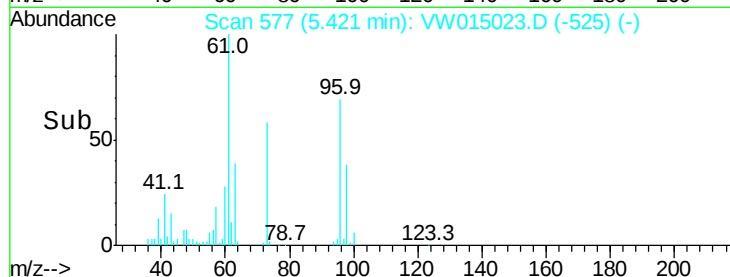
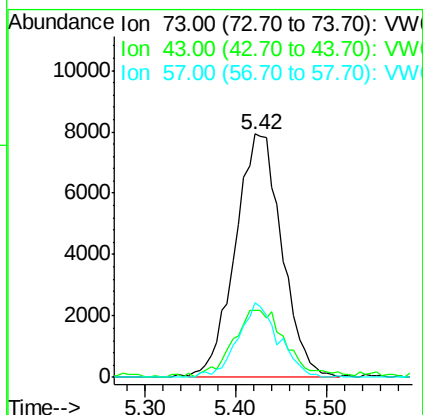
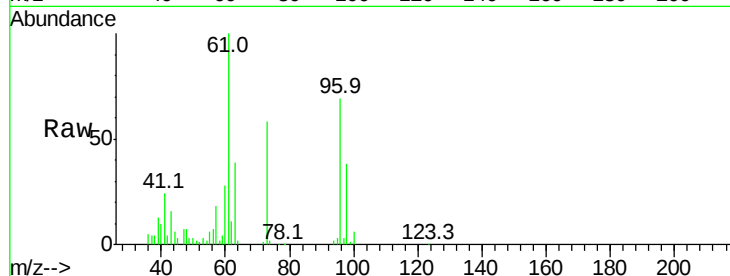




#17
Methyl tert-butyl Ether
Concen: 2.143 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015023.D
Acq: 24 Feb 2020 10:09

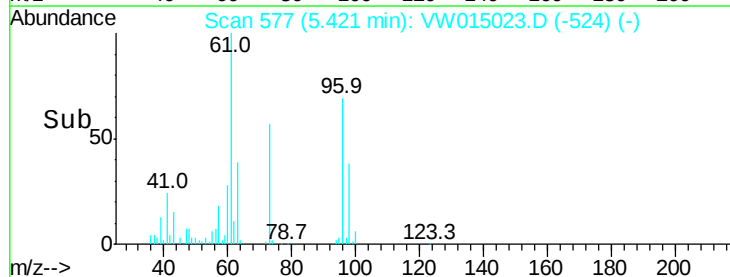
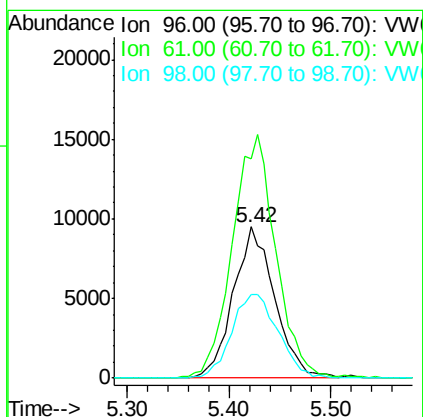
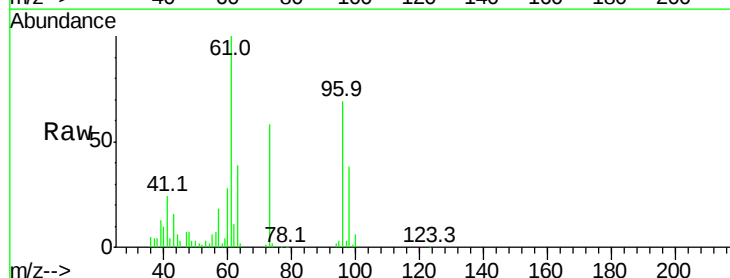
Instrument :
MSVOA_W
ClientSampled :
VSTD2.501

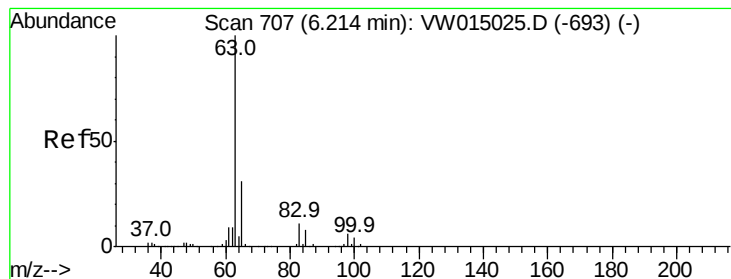
Tgt Ion: 73 Resp: 28211
Ion Ratio Lower Upper
73 100
43 15.7 19.7 29.5#
57 26.3 20.4 30.6



#18
trans-1,2-Dichloroethene
Concen: 2.611 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015023.D
Acq: 24 Feb 2020 10:09

Tgt Ion: 96 Resp: 26659
Ion Ratio Lower Upper
96 100
61 145.6 115.1 213.8
98 55.3 44.0 81.6





#19

1,1-Dichloroethane

Concen: 3.052 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

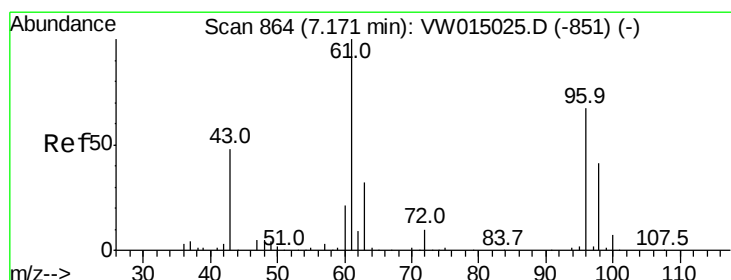
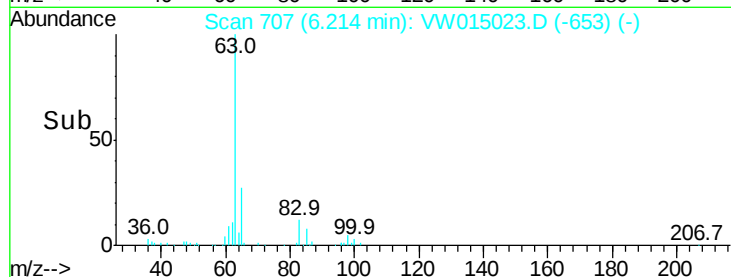
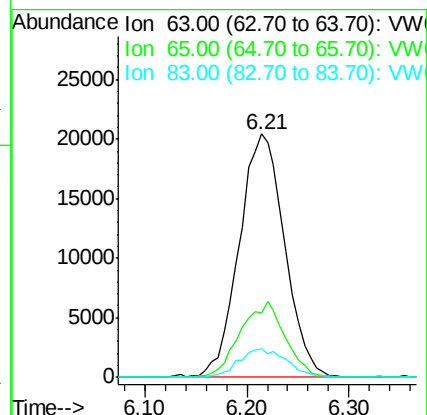
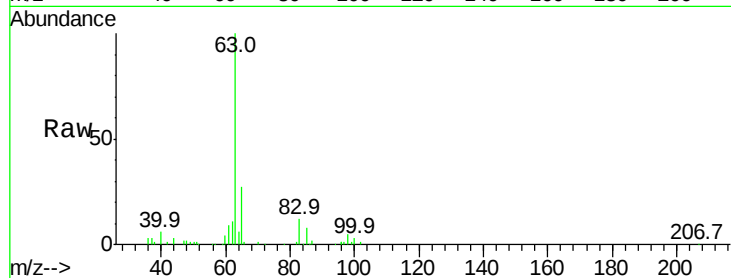
Tgt Ion: 63 Resp: 63118

Ion Ratio Lower Upper

63 100

65 26.6 21.9 40.7

83 11.5 7.8 14.6



#21

2-Butanone

Concen: 4.927 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015023.D

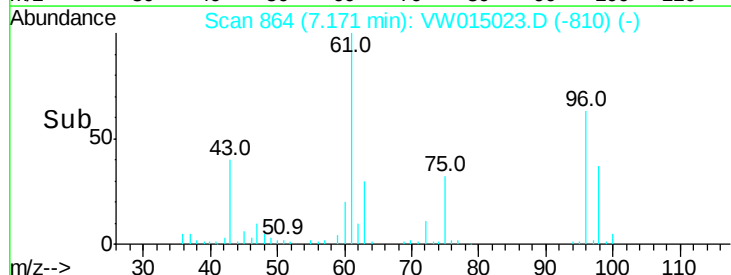
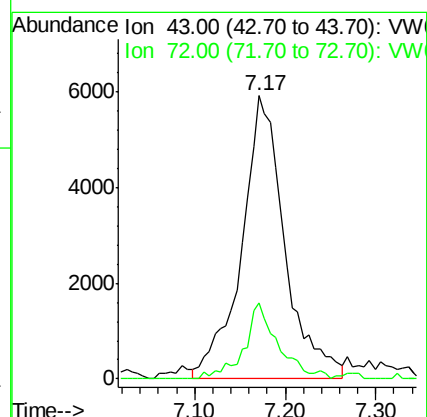
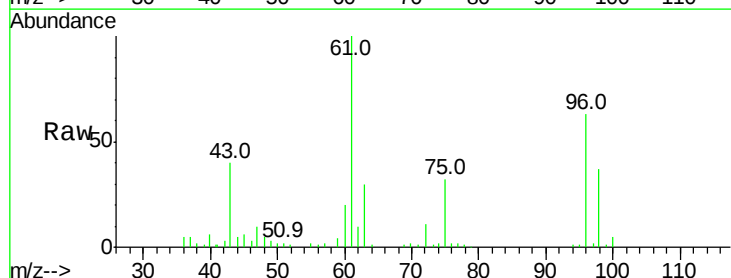
Acq: 24 Feb 2020 10:09

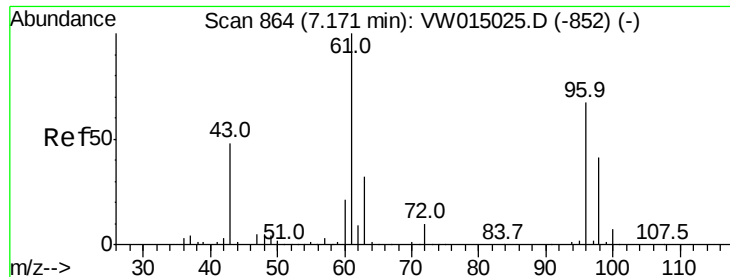
Tgt Ion: 43 Resp: 19651

Ion Ratio Lower Upper

43 100

72 18.5 10.4 31.4



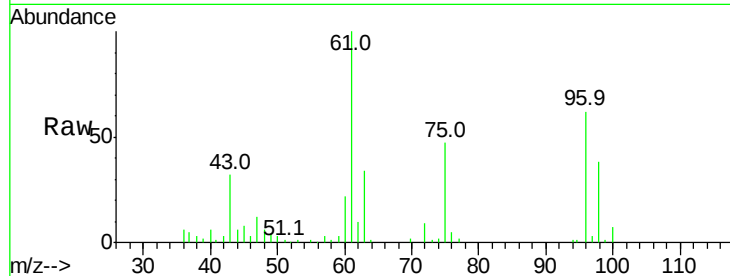


#22

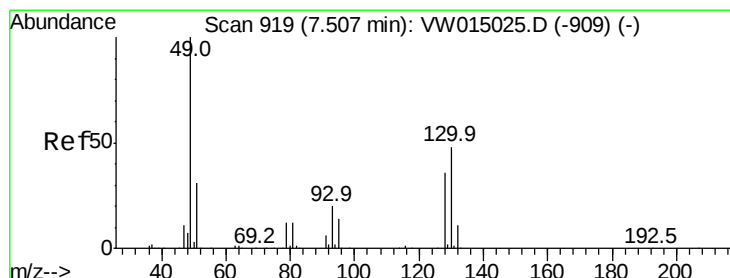
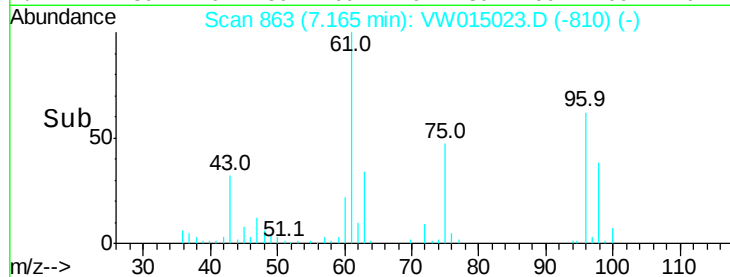
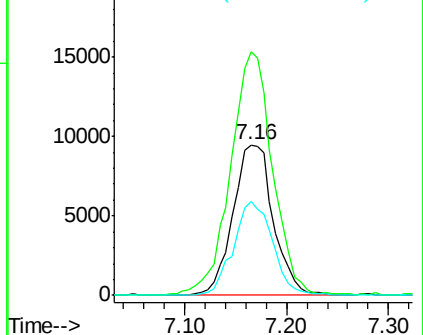
cis-1,2-Dichloroethene
Concen: 2.355 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW015023.D
Acq: 24 Feb 2020 10:09

Instrument :
MSVOA_W
ClientSampled :
VSTD2.501

Tgt Ion: 96 Resp: 26002
Ion Ratio Lower Upper
96 100
61 161.6 105.2 195.4
98 61.9 42.6 79.2



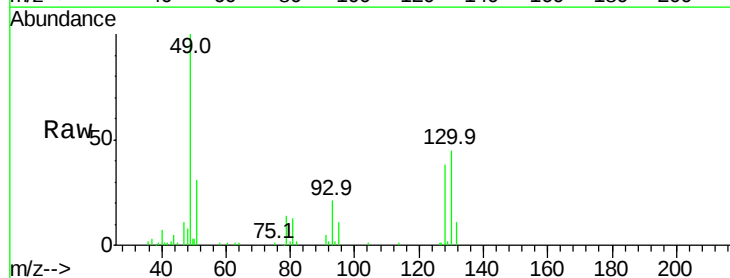
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



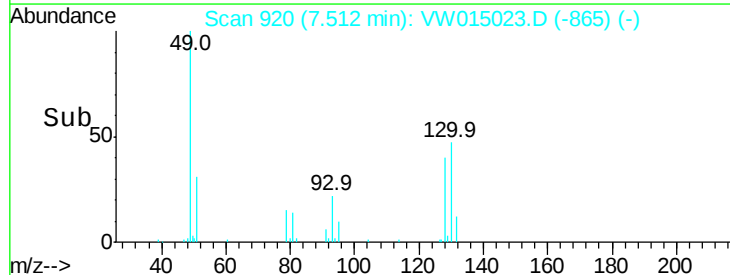
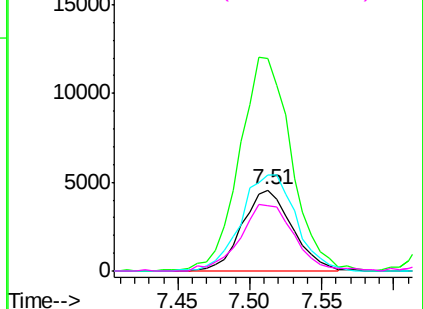
#23

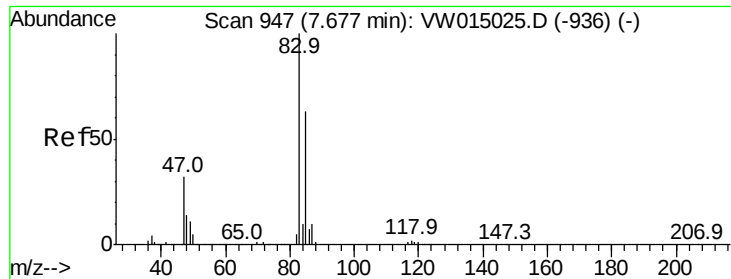
Bromochloromethane
Concen: 2.425 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW015023.D
Acq: 24 Feb 2020 10:09

Tgt Ion: 128 Resp: 10986
Ion Ratio Lower Upper
128 100
49 261.0 192.7 357.9
130 118.2 92.7 172.1
51 80.6 69.3 103.9



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





#25

Chloroform

Concen: 3.175 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

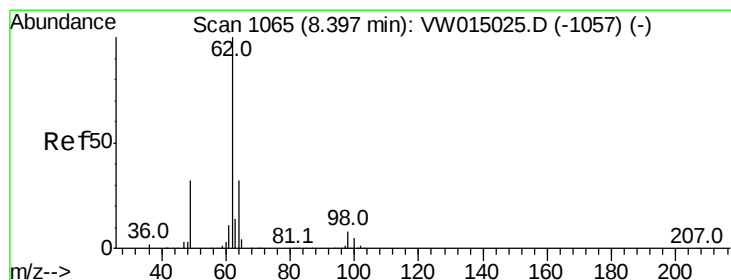
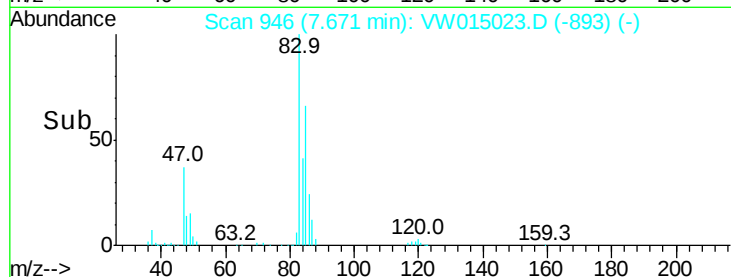
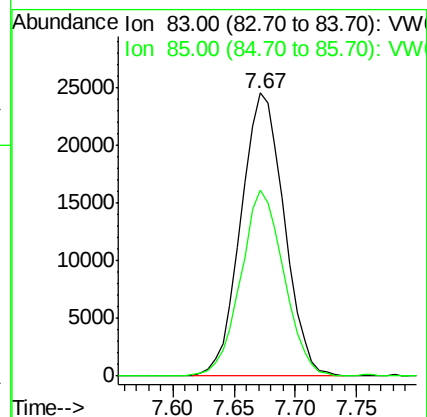
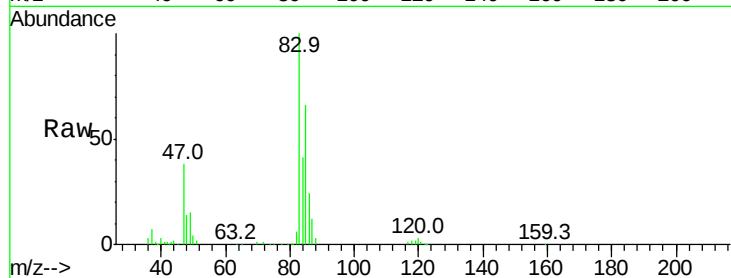
VSTD2.501

Tgt Ion: 83 Resp: 60312

Ion Ratio Lower Upper

83 100

85 65.6 44.9 83.5



#27

1,2-Dichloroethane

Concen: 3.043 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW015023.D

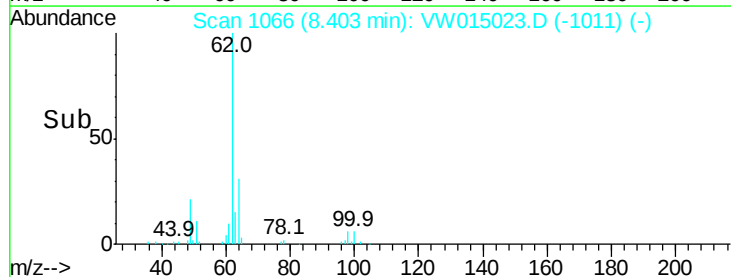
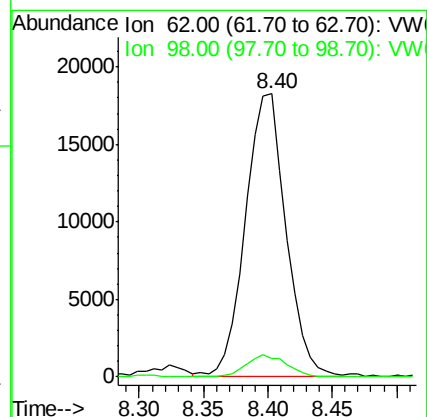
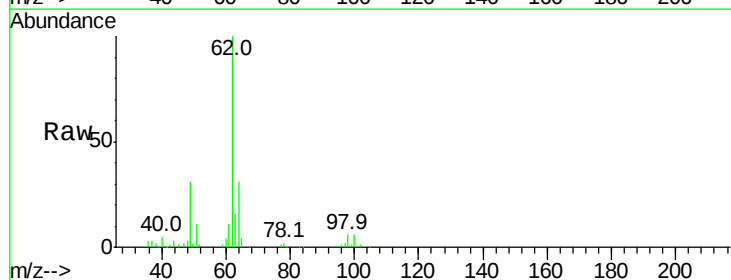
Acq: 24 Feb 2020 10:09

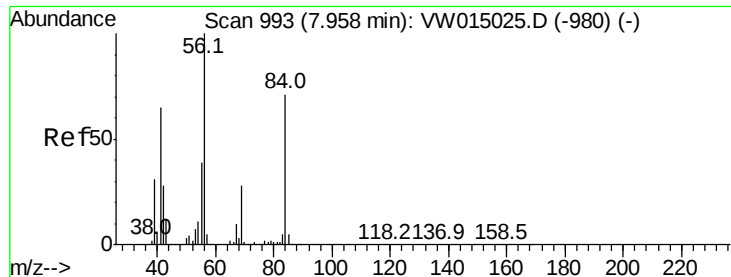
Tgt Ion: 62 Resp: 39864

Ion Ratio Lower Upper

62 100

98 6.5 6.5 9.7

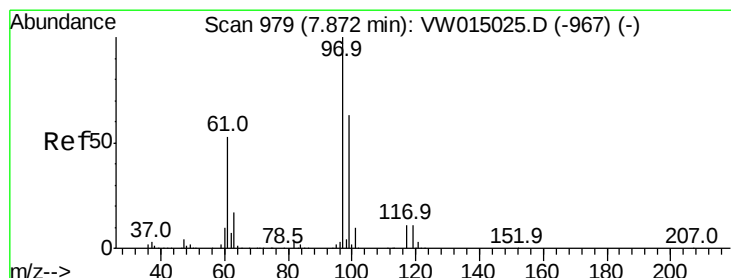
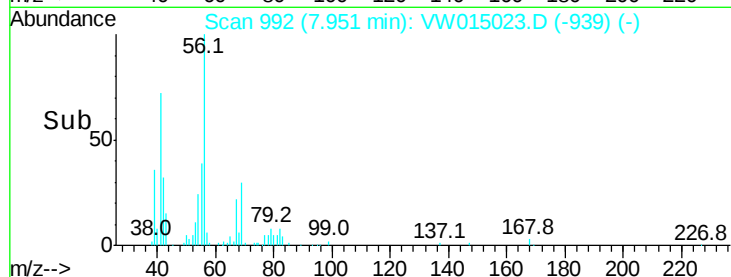
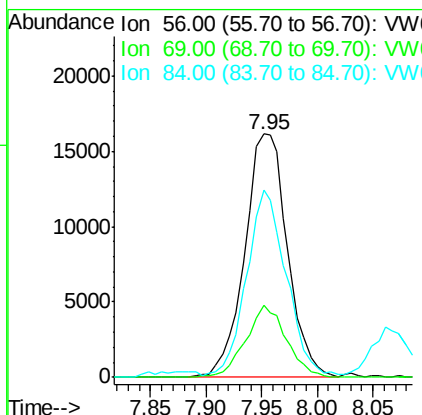
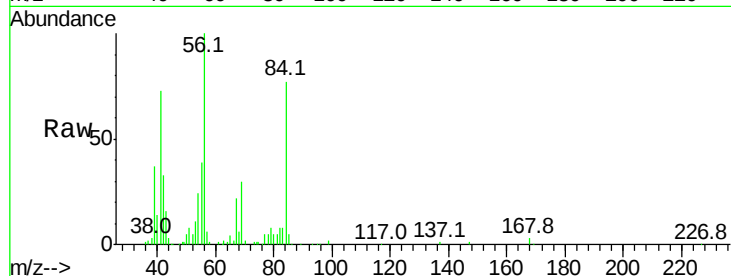




#30
Cyclohexane
Concen: 2.162 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015023.D
Acq: 24 Feb 2020 10:09

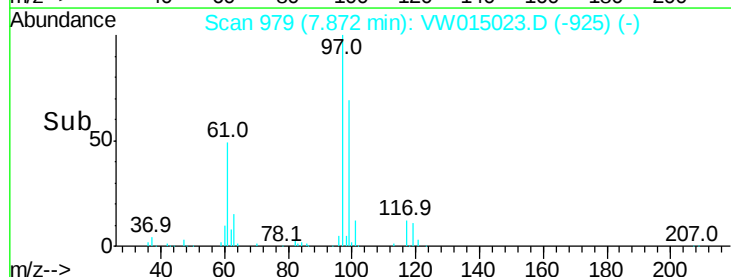
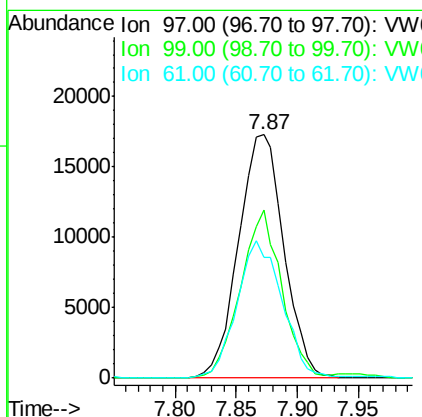
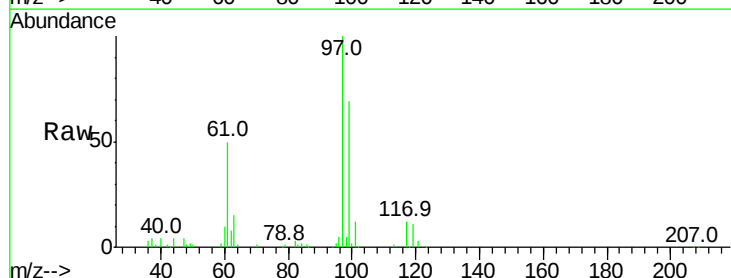
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

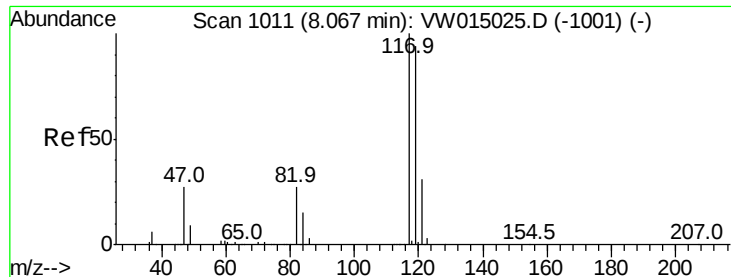
Tgt Ion: 56 Resp: 43029
Ion Ratio Lower Upper
56 100
69 28.1 21.8 32.6
84 72.4 57.3 85.9



#31
1,1,1-Trichloroethane
Concen: 2.933 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015023.D
Acq: 24 Feb 2020 10:09

Tgt Ion: 97 Resp: 44671
Ion Ratio Lower Upper
97 100
99 62.7 50.6 76.0
61 56.0 43.1 64.7





#32

Carbon tetrachloride

Concen: 2.826 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

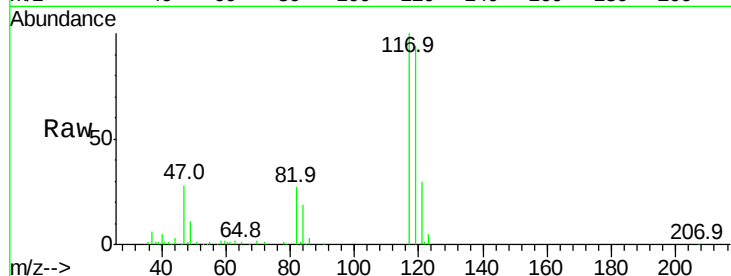
VSTD2.501

Tgt Ion:117 Resp: 38680

Ion Ratio Lower Upper

117 100

119 99.2 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

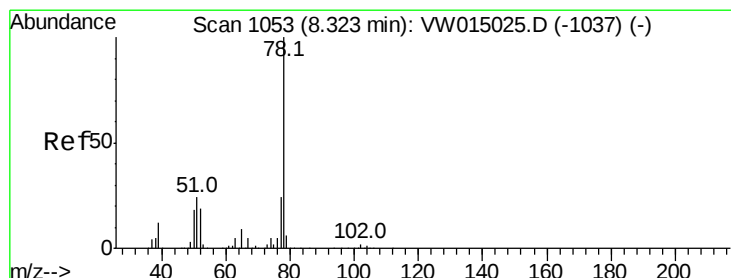
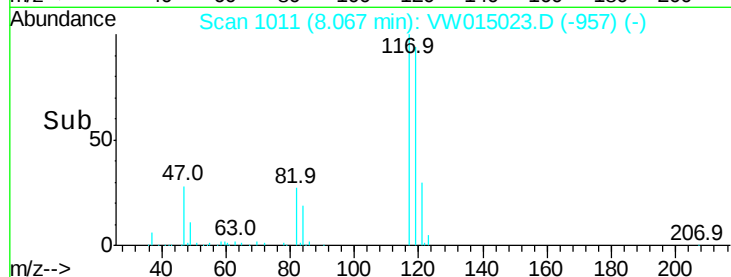
15000

10000

5000

0

Time--> 7.95 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 2.533 ug/L

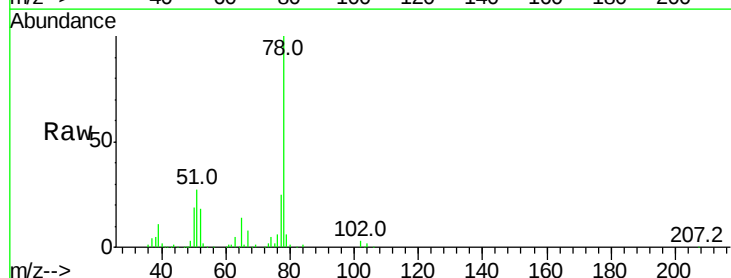
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

Tgt Ion: 78 Resp: 116347



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

60000

50000

40000

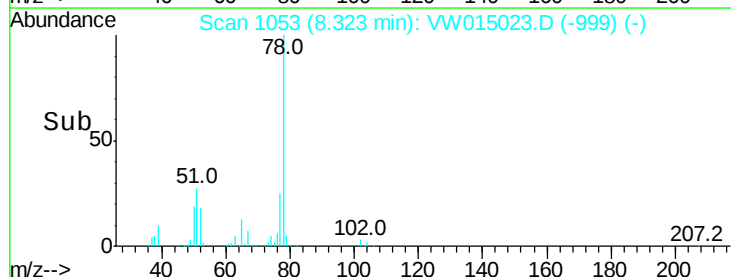
30000

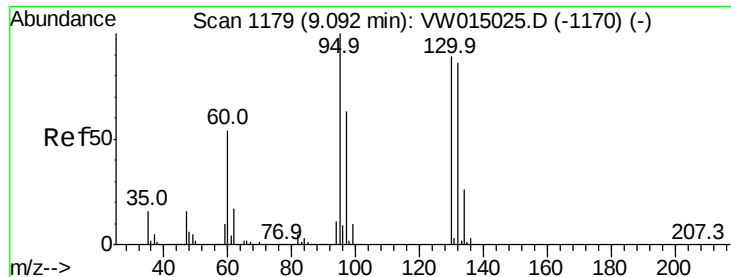
20000

10000

0

Time--> 8.25 8.30 8.35 8.40





#35

Trichloroethene

Concen: 2.650 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

Tgt Ion: 95 Resp: 30162

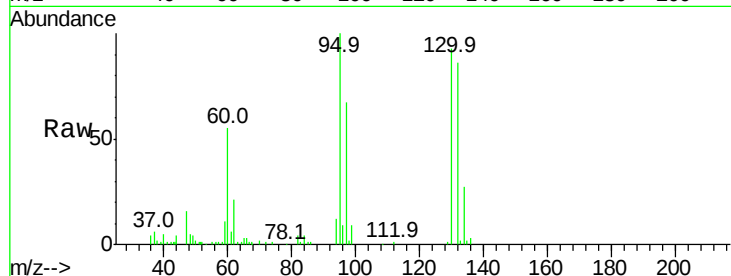
Ion Ratio Lower Upper

95 100

97 64.3 44.7 83.1

132 83.7 58.1 107.9

130 89.3 62.0 115.2

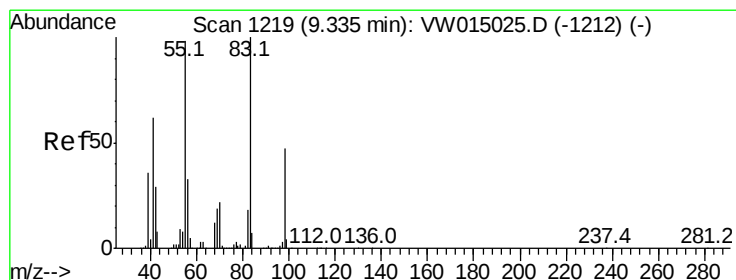
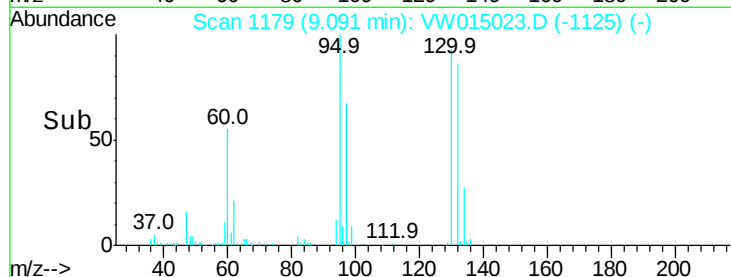
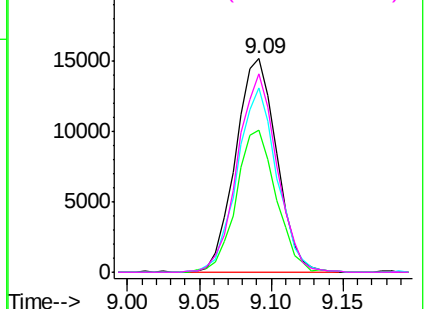


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 2.189 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

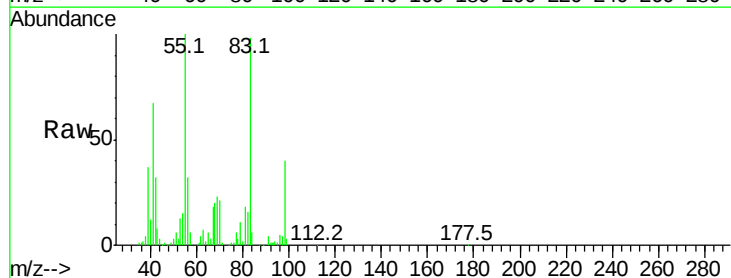
Tgt Ion: 83 Resp: 43414

Ion Ratio Lower Upper

83 100

55 101.1 76.6 115.0

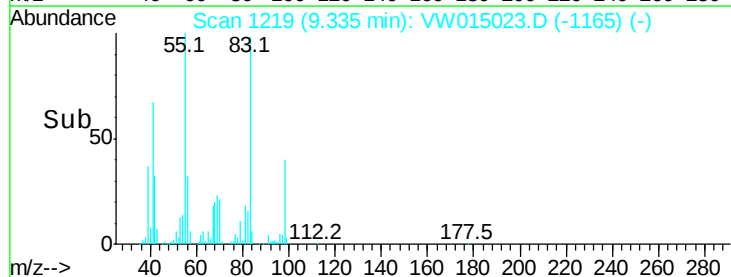
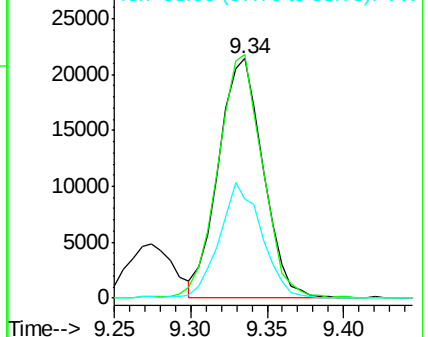
98 45.7 36.6 54.8

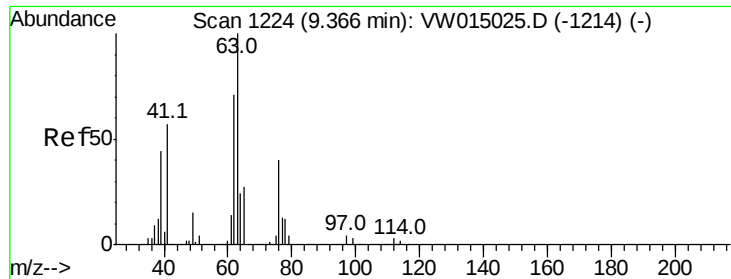


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

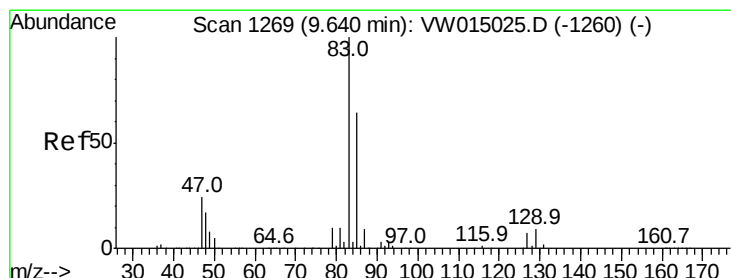
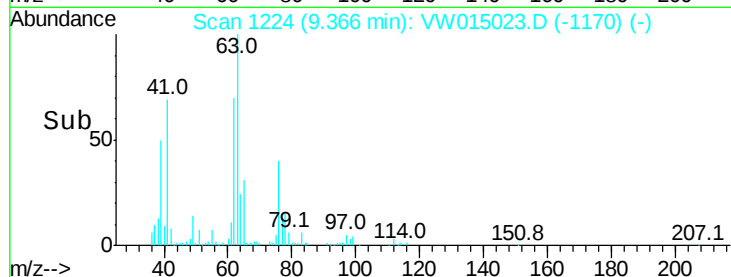
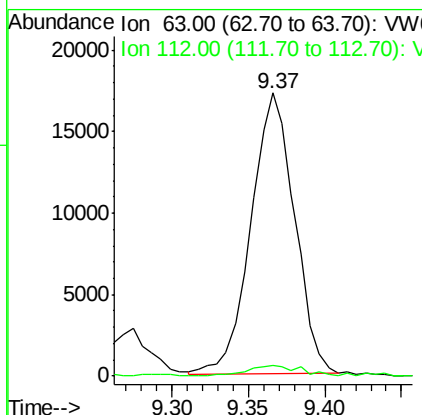
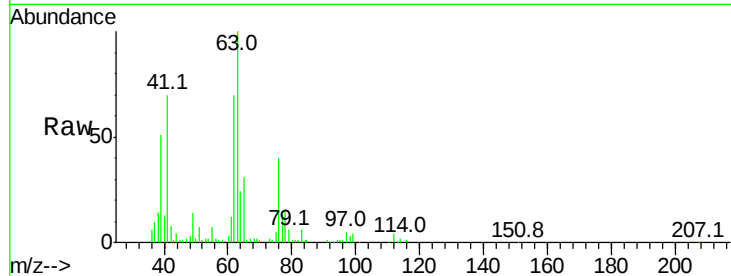




#40
 1,2-Dichloropropane
 Concen: 2.778 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015023.D
 Acq: 24 Feb 2020 10:09

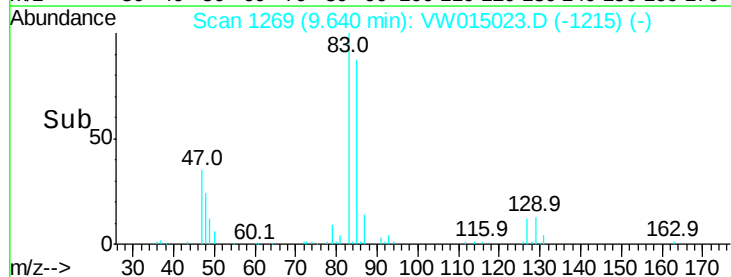
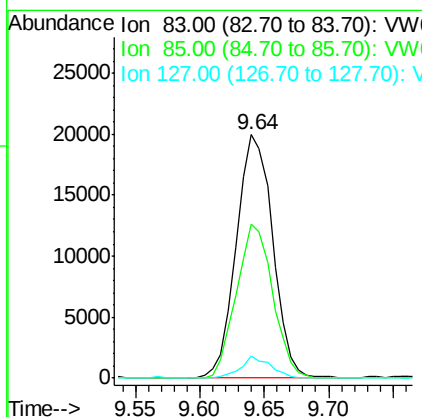
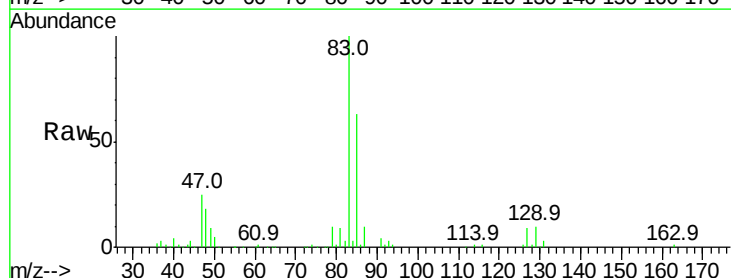
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

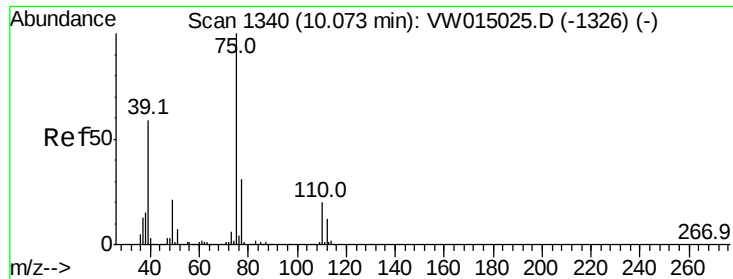
Tgt Ion: 63 Resp: 34140
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.8 4.2



#41
 Bromodichloromethane
 Concen: 2.778 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW015023.D
 Acq: 24 Feb 2020 10:09

Tgt Ion: 83 Resp: 39135
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.7 83.1
 127 8.9 5.4 8.0#





#42

cis-1,3-Dichloropropene

Concen: 2.180 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

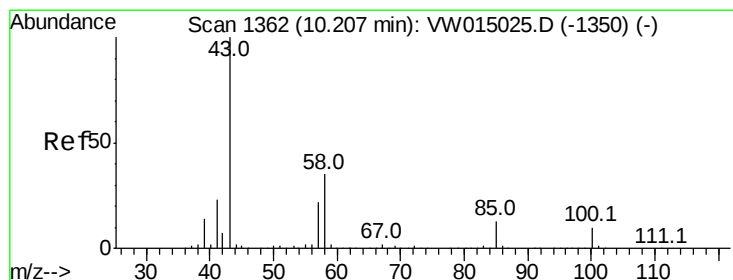
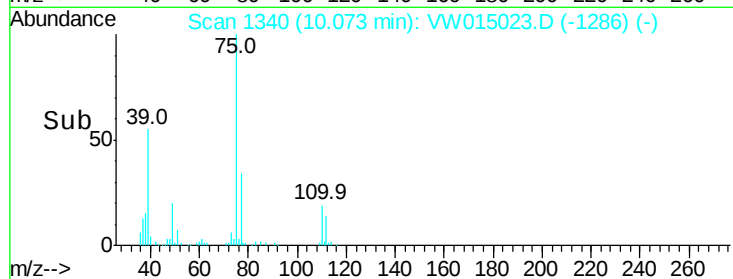
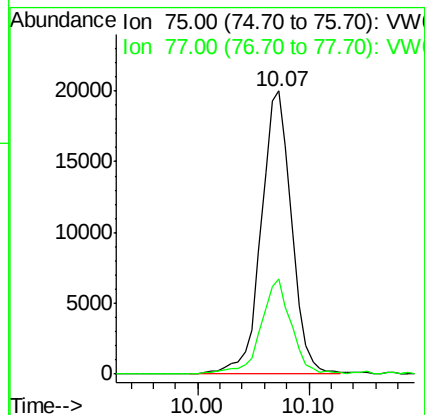
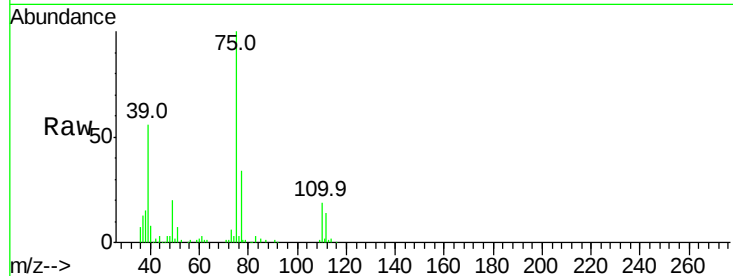
VSTD2.501

Tgt Ion: 75 Resp: 38040

Ion Ratio Lower Upper

75 100

77 33.8 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 3.824 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

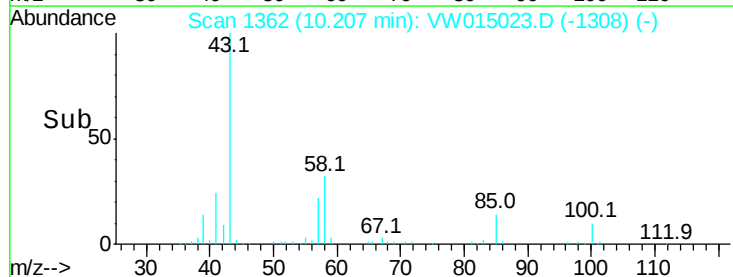
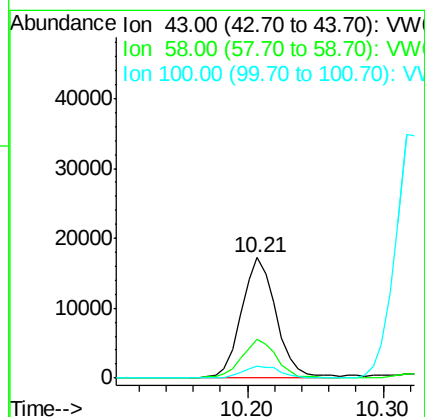
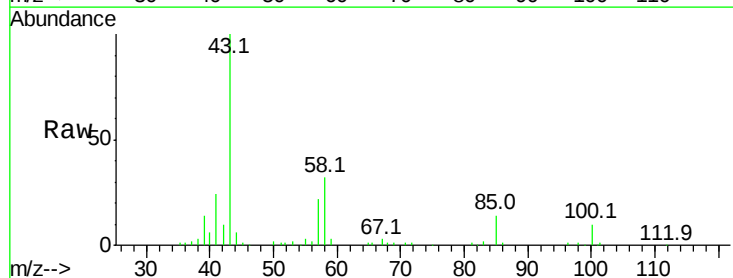
Tgt Ion: 43 Resp: 30817

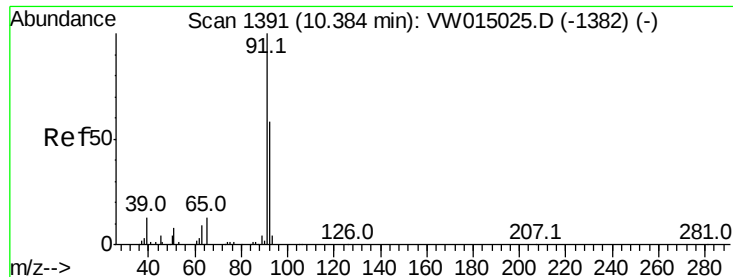
Ion Ratio Lower Upper

43 100

58 32.5 27.6 41.4

100 10.9 8.6 13.0





#44

Toluene

Concen: 2.256 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

Instrument :

MSVOA_W

ClientSampled :

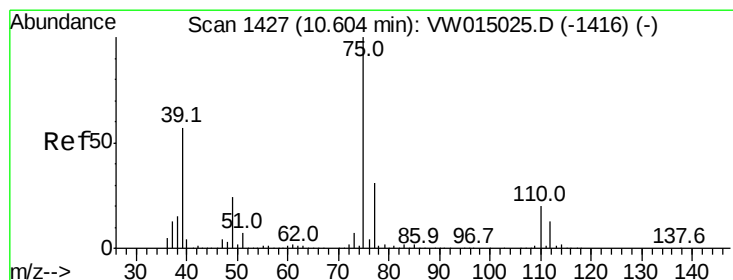
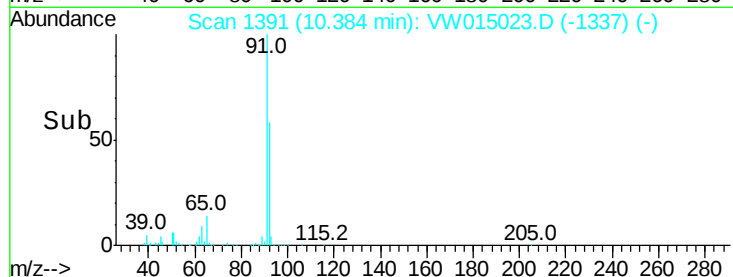
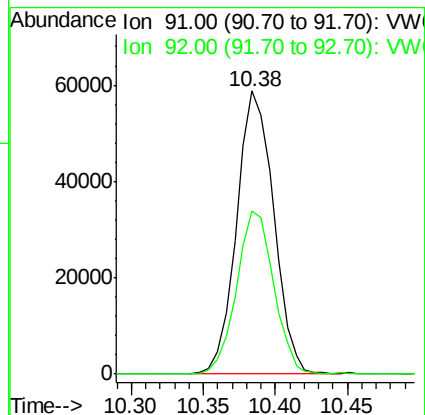
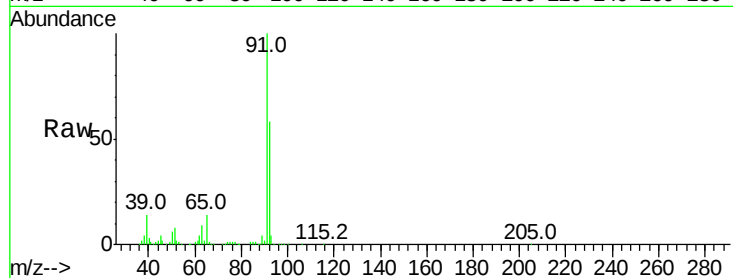
VSTD2.501

Tgt Ion: 91 Resp: 105187

Ion Ratio Lower Upper

91 100

92 57.7 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 2.205 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015023.D

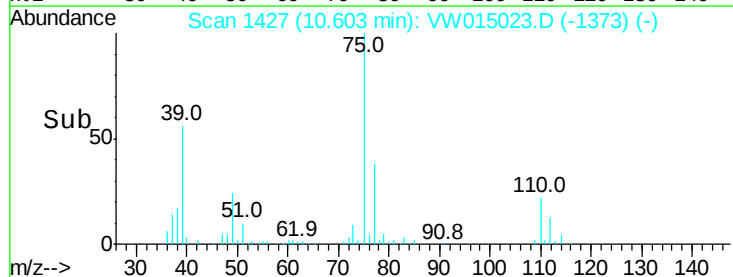
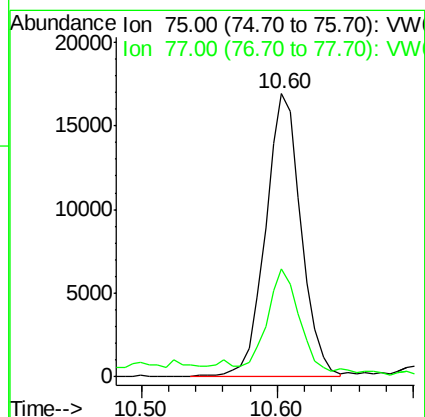
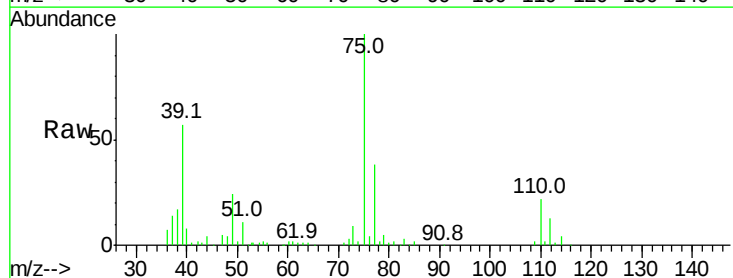
Acq: 24 Feb 2020 10:09

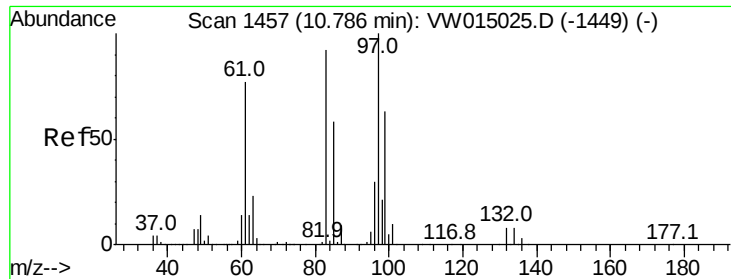
Tgt Ion: 75 Resp: 30981

Ion Ratio Lower Upper

75 100

77 38.3 21.6 40.2





#46

1,1,2-Trichloroethane

Concen: 2.432 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

Tgt Ion: 97 Resp: 19676

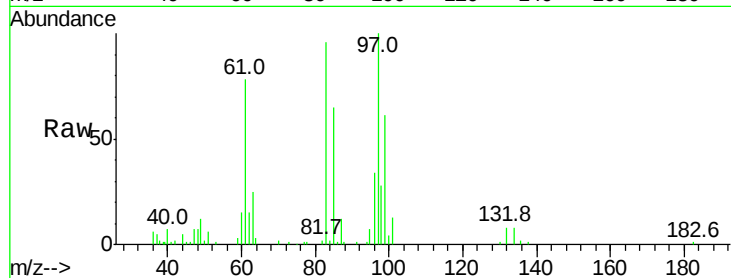
Ion Ratio Lower Upper

97 100

83 96.2 64.4 119.6

85 64.8 40.9 75.9

99 61.0 44.1 81.9

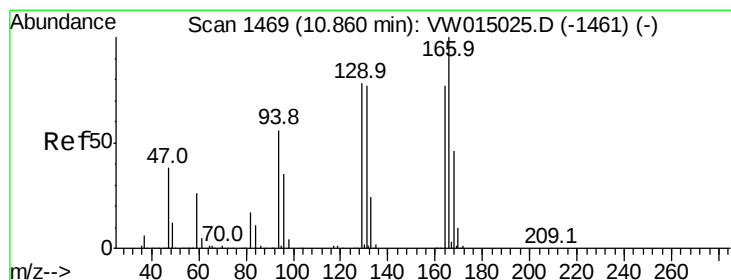
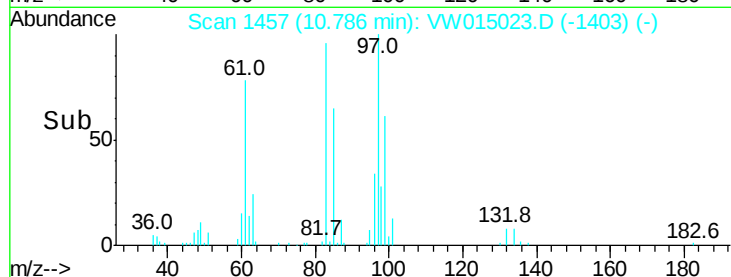
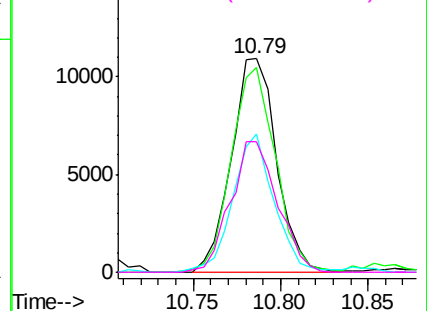


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 2.309 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

Tgt Ion: 164 Resp: 19317

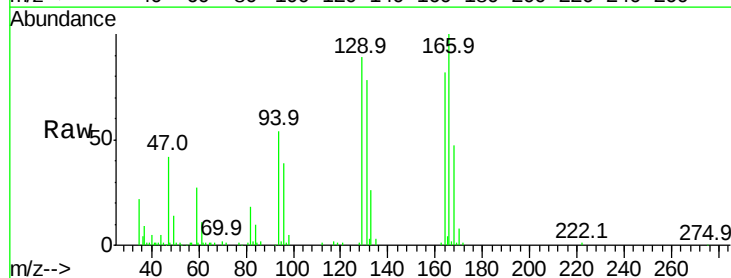
Ion Ratio Lower Upper

164 100

129 108.3 71.7 133.1

131 94.2 70.1 130.3

166 121.4 91.3 169.6

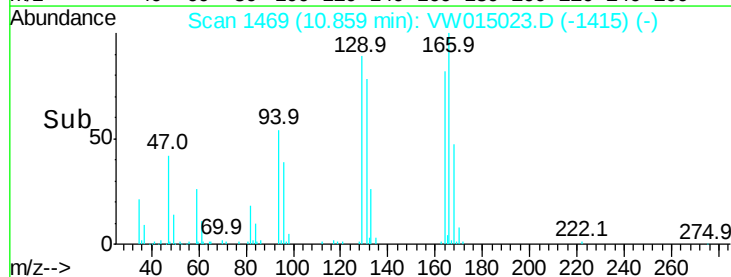
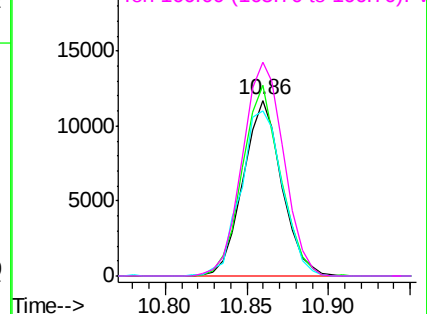


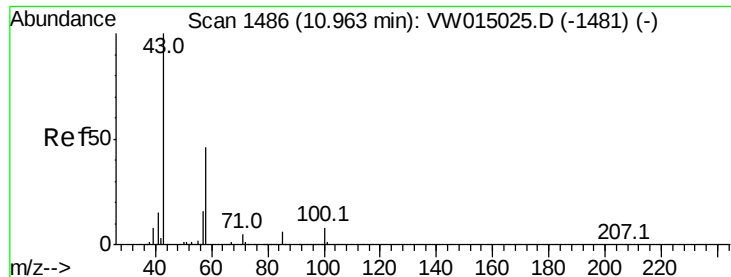
Abundance Ion 164.00 (163.70 to 164.70): V

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

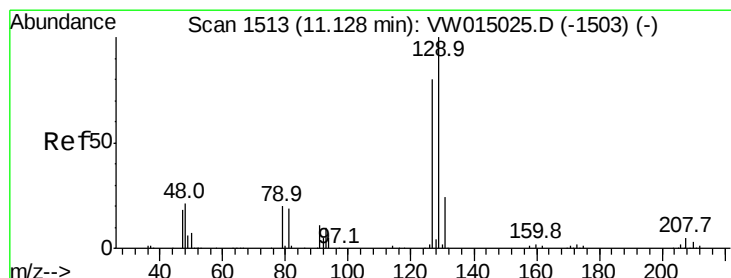
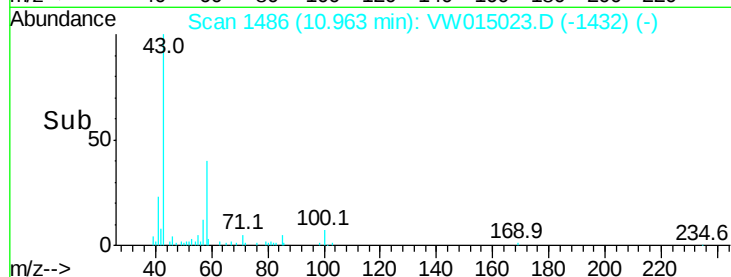
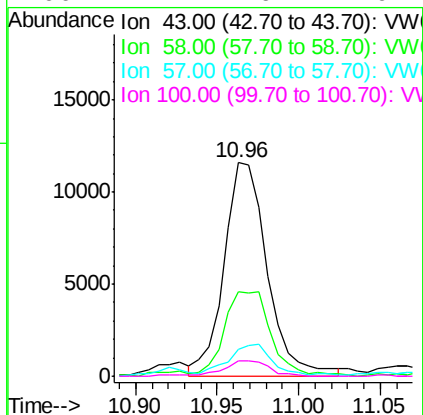
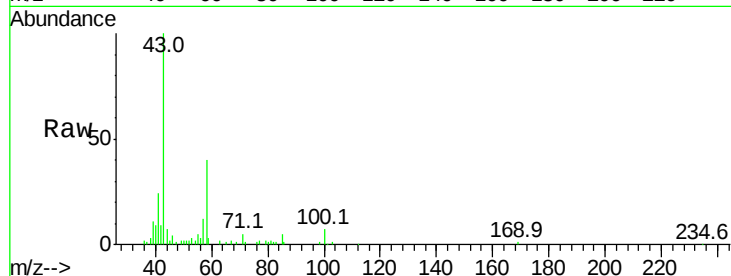




#49
2-Hexanone
Concen: 3.757 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW015023.D
Acq: 24 Feb 2020 10:09

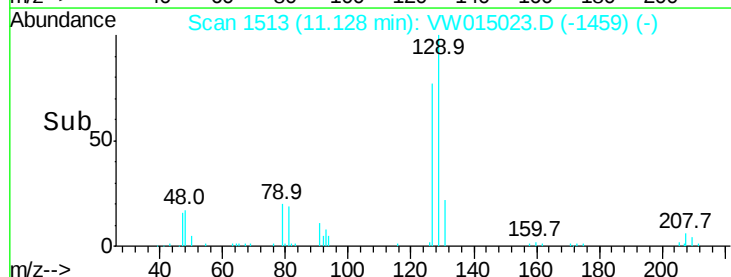
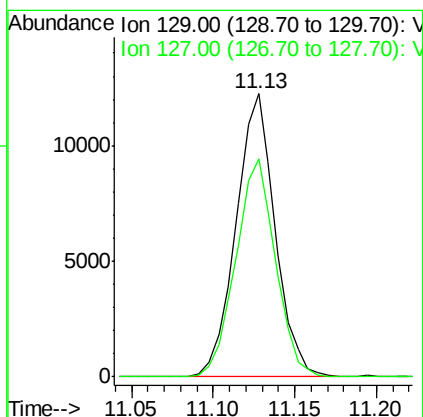
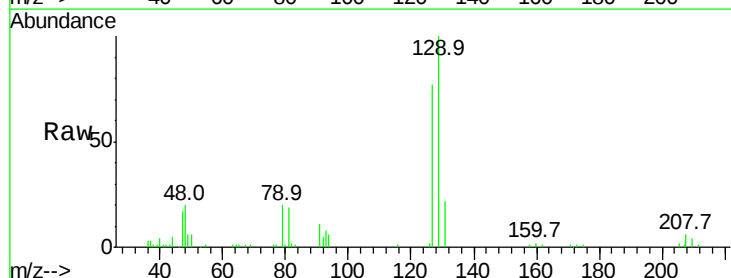
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

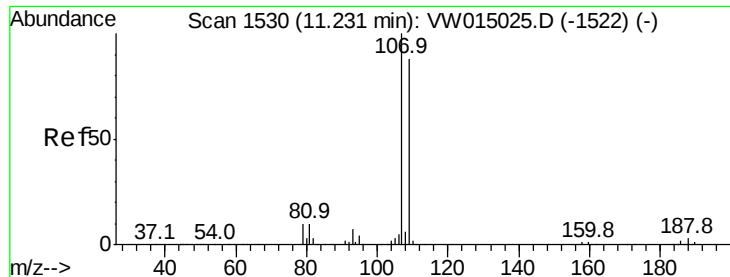
Tgt Ion:	43	Resp:	21268
Ion	Ratio	Lower	Upper
43	100		
58	40.2	38.9	58.3
57	15.2	13.4	20.2
100	7.7	6.7	10.1



#50
Dibromochloromethane
Concen: 2.350 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015023.D
Acq: 24 Feb 2020 10:09

Tgt Ion:	129	Resp:	20438
Ion	Ratio	Lower	Upper
129	100		
127	76.9	56.4	104.7

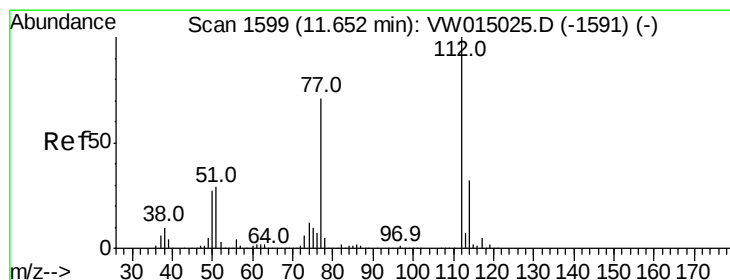
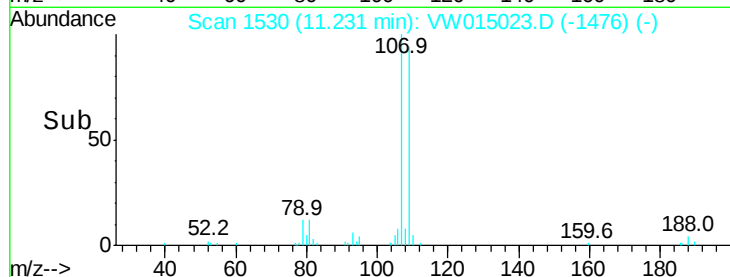
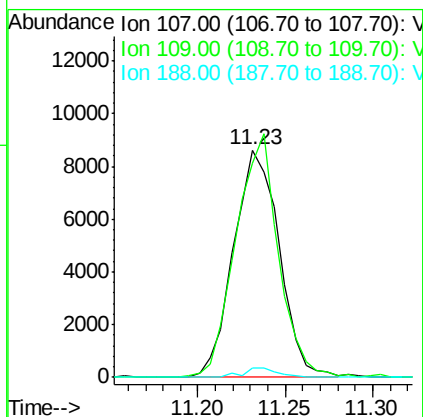
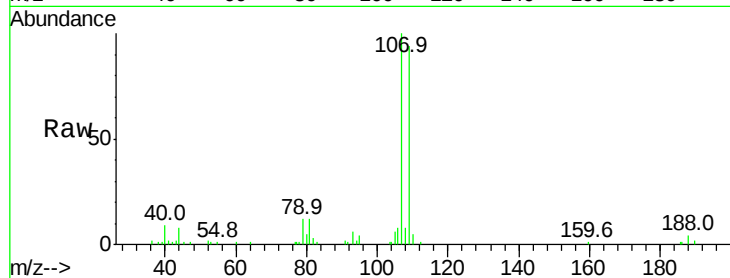




#51
 1,2-Dibromoethane
 Concen: 2.090 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW015023.D
 Acq: 24 Feb 2020 10:09

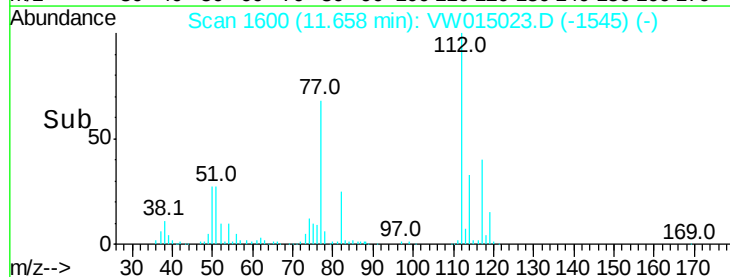
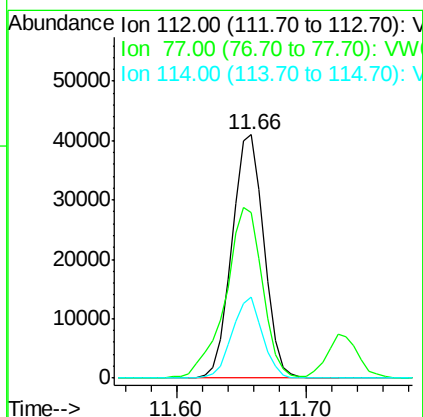
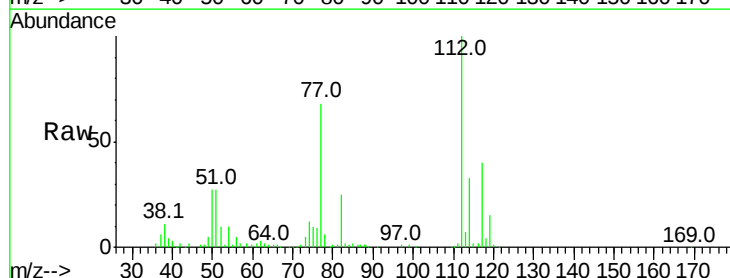
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

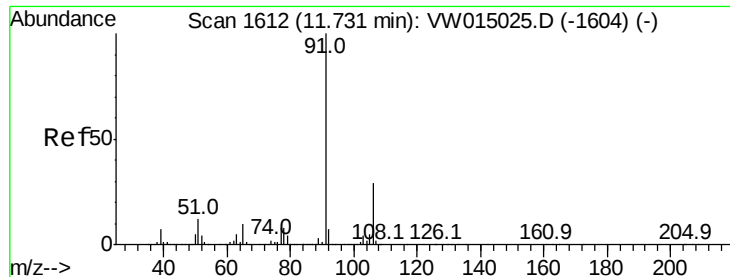
Tgt Ion:107 Resp: 15731
 Ion Ratio Lower Upper
 107 100
 109 94.1 61.9 114.9
 188 3.9 2.5 3.7#



#52
 Chlorobenzene
 Concen: 2.490 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VW015023.D
 Acq: 24 Feb 2020 10:09

Tgt Ion:112 Resp: 70979
 Ion Ratio Lower Upper
 112 100
 77 67.9 57.0 85.6
 114 33.3 22.5 41.9





#53

Ethylbenzene

Concen: 2.221 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

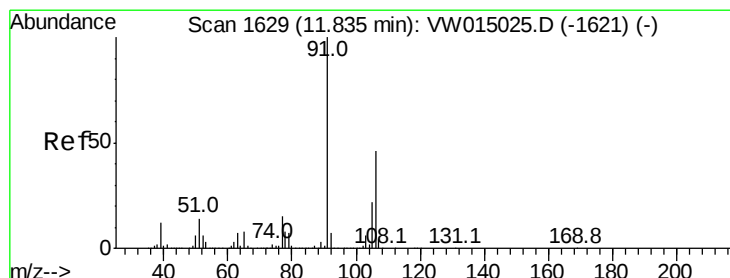
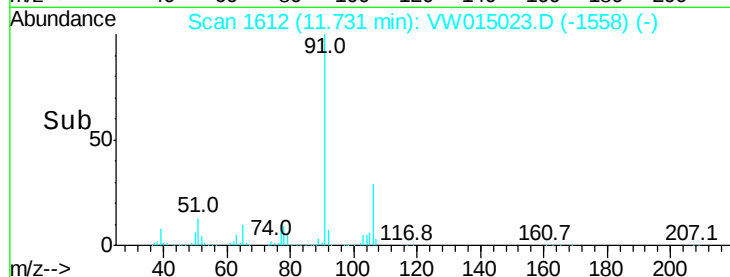
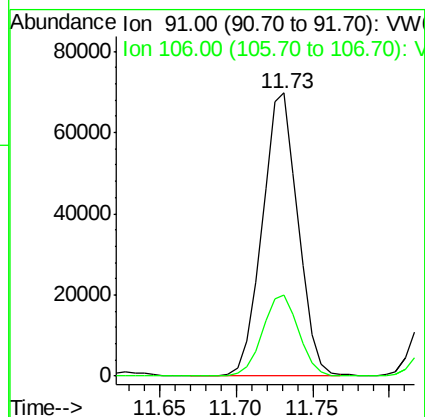
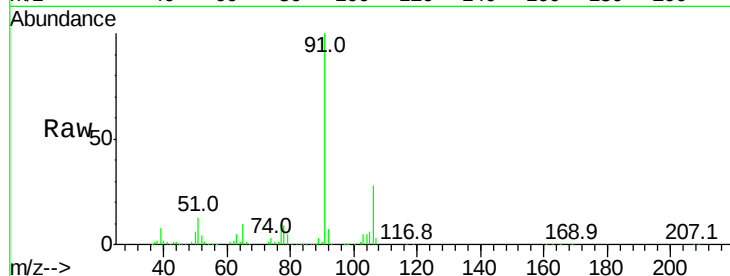
VSTD2.501

Tgt Ion: 91 Resp: 113288

Ion Ratio Lower Upper

91 100

106 28.5 20.1 37.3



#54

m,p-Xylene

Concen: 1.977 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW015023.D

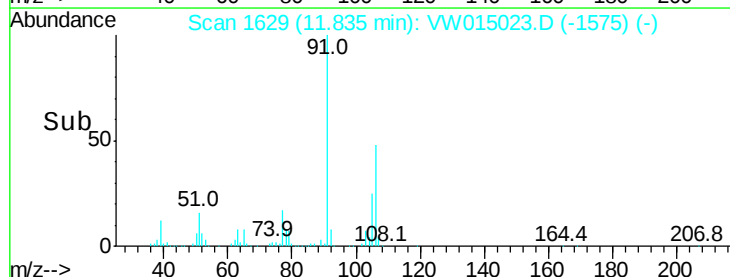
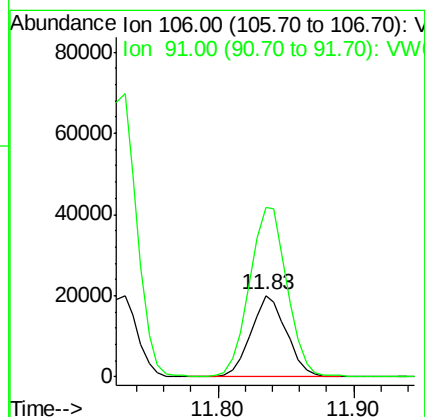
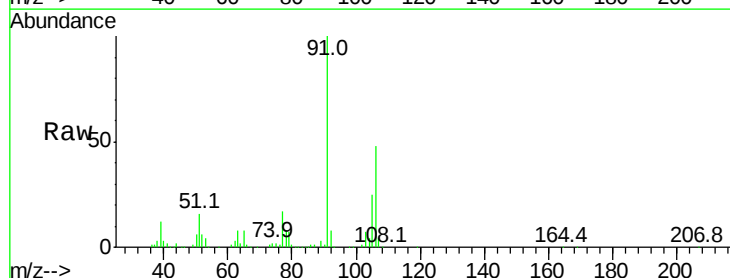
Acq: 24 Feb 2020 10:09

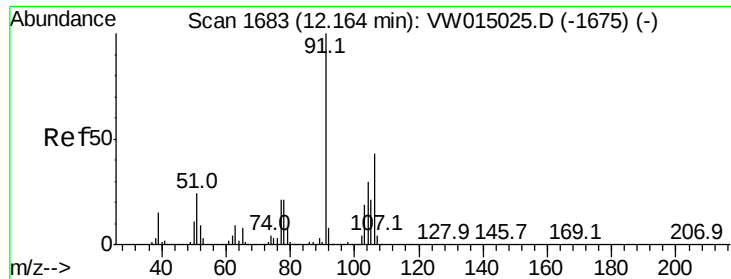
Tgt Ion: 106 Resp: 36835

Ion Ratio Lower Upper

106 100

91 206.7 151.4 281.2

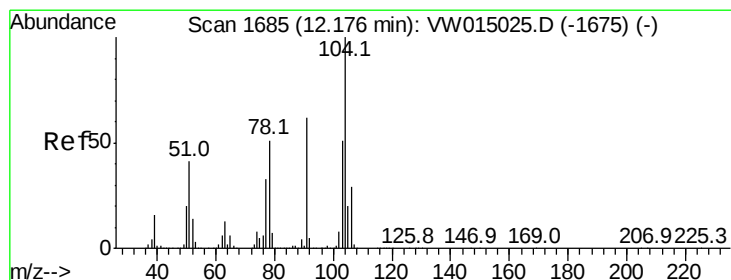
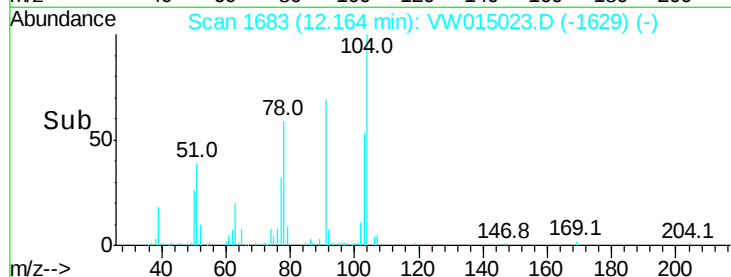
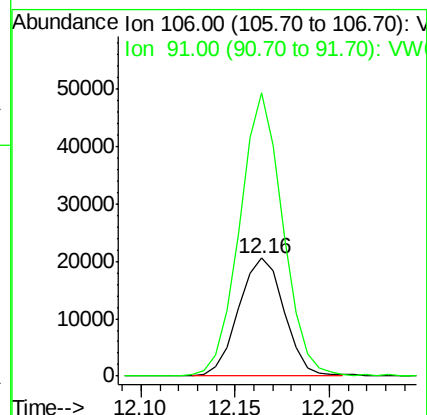
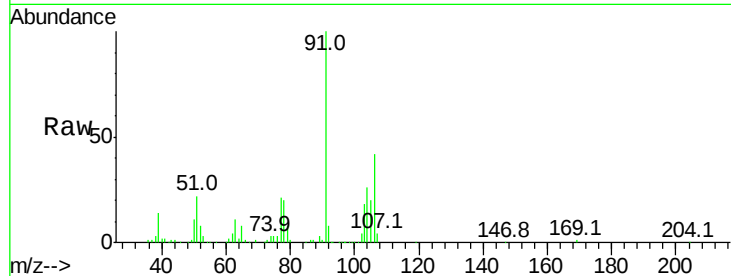




#55
o-xylene
Concen: 1.951 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015023.D
Acq: 24 Feb 2020 10:09

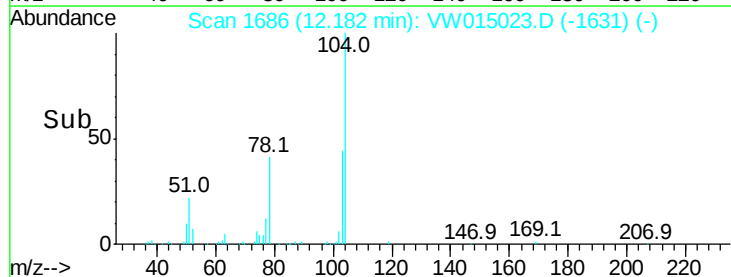
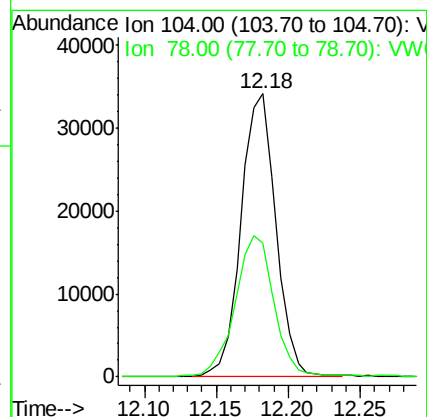
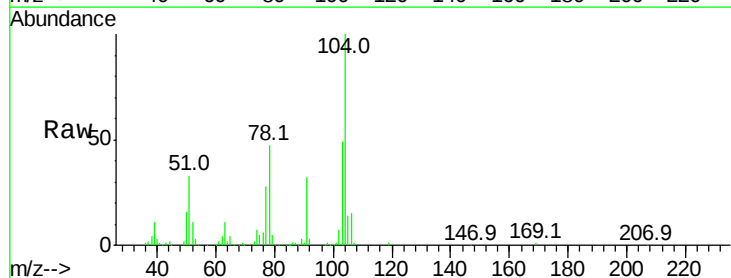
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

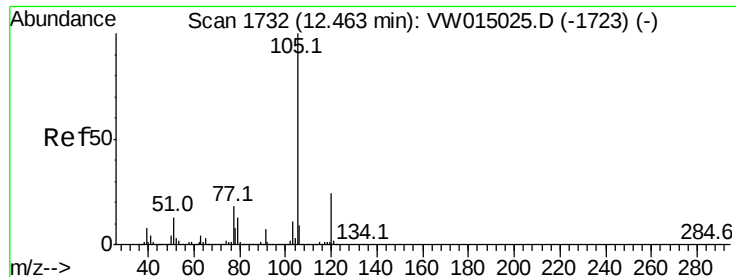
Tgt Ion:106 Resp: 34585
Ion Ratio Lower Upper
106 100
91 239.5 162.5 301.9



#56
Styrene
Concen: 1.919 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW015023.D
Acq: 24 Feb 2020 10:09

Tgt Ion:104 Resp: 57502
Ion Ratio Lower Upper
104 100
78 47.0 35.6 66.0





#57

Isopropylbenzene

Concen: 1.930 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

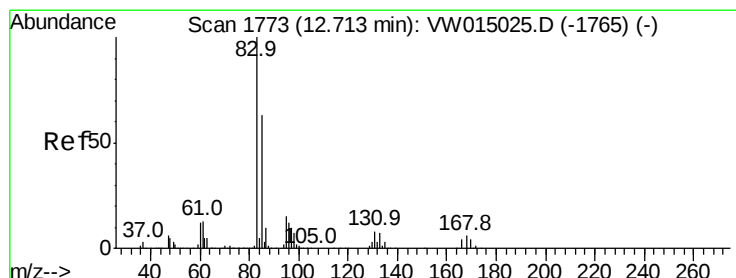
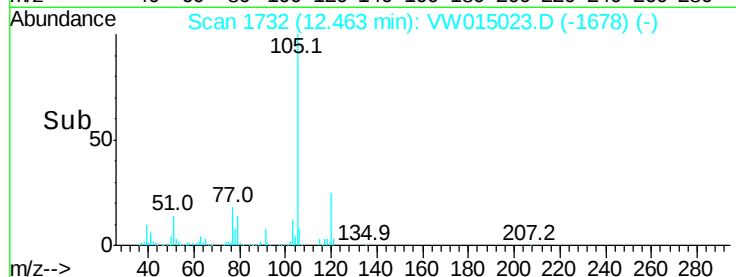
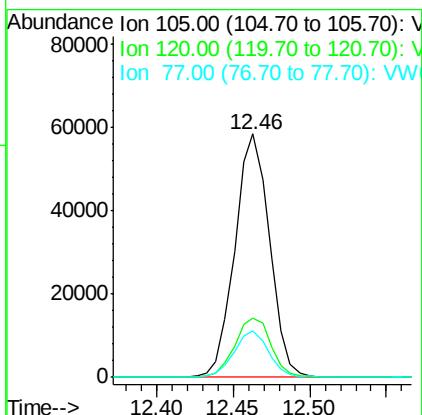
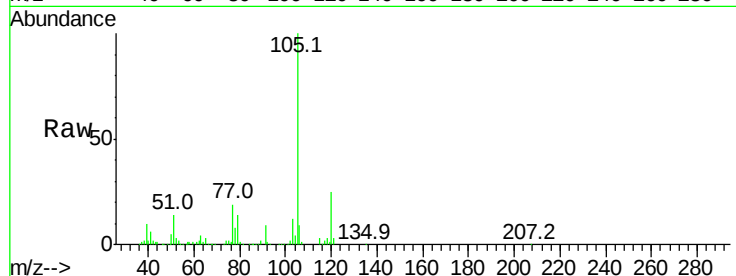
Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

Tgt Ion:	105	Resp:	91924
Ion	Ratio	Lower	Upper
105	100		
120	25.4	19.8	29.8
77	19.2	14.4	21.6



#58

1,1,2,2-Tetrachloroethane

Concen: 2.377 ug/L

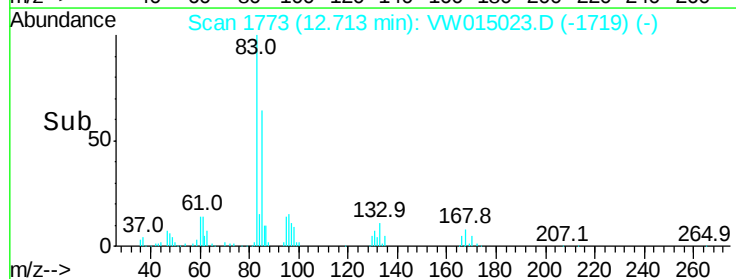
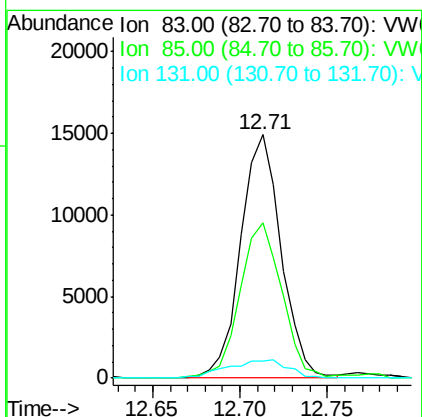
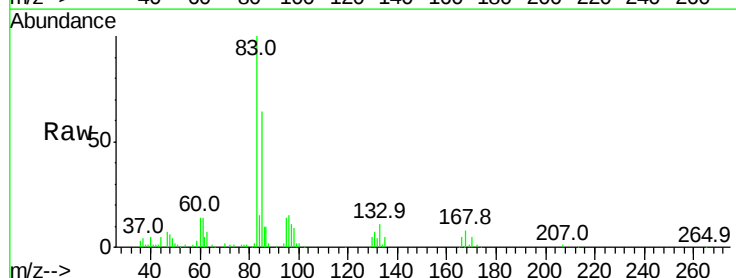
RT: 12.71 min Scan# 1773

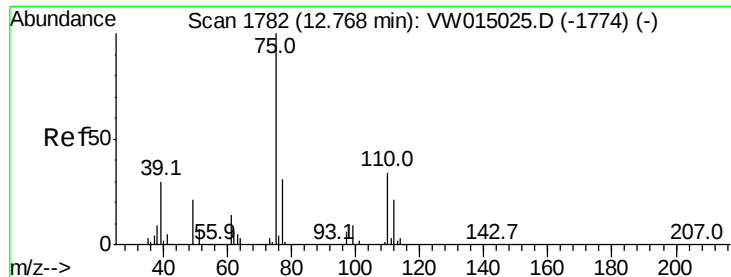
Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

Tgt Ion:	83	Resp:	24006
Ion	Ratio	Lower	Upper
83	100		
85	64.0	44.2	82.0
131	7.2	6.3	9.5





#59

1,2,3-Trichloropropane

Concen: 2.458 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

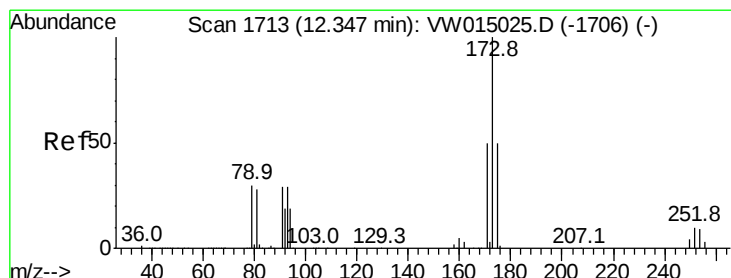
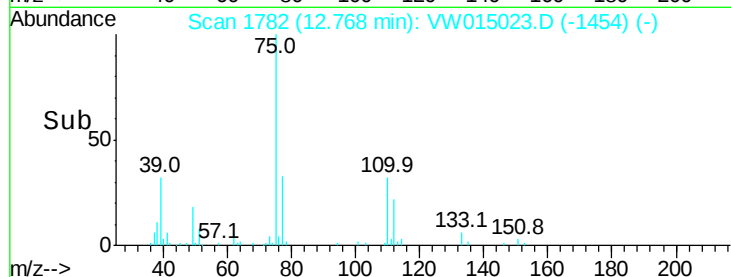
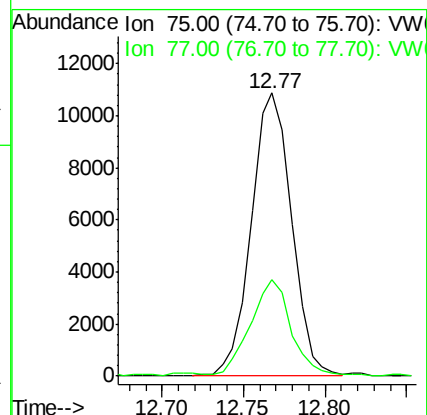
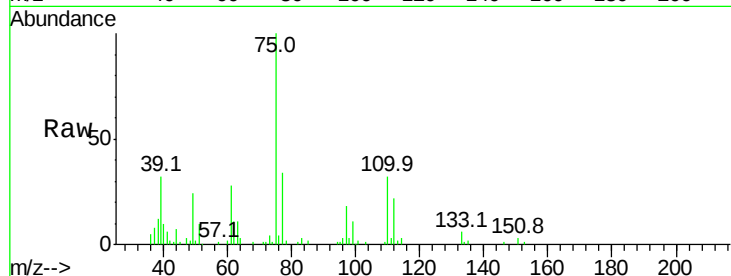
VSTD2.501

Tgt Ion: 75 Resp: 18678

Ion Ratio Lower Upper

75 100

77 34.5 25.4 38.0



#62

Bromoform

Concen: 2.350 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

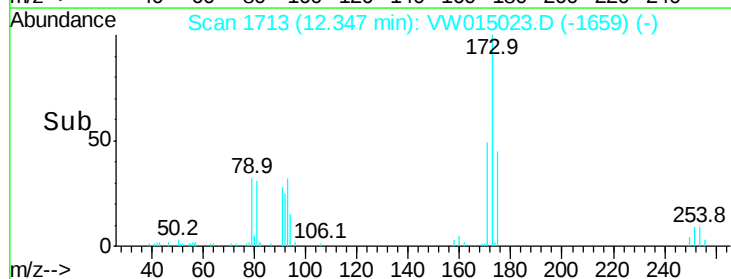
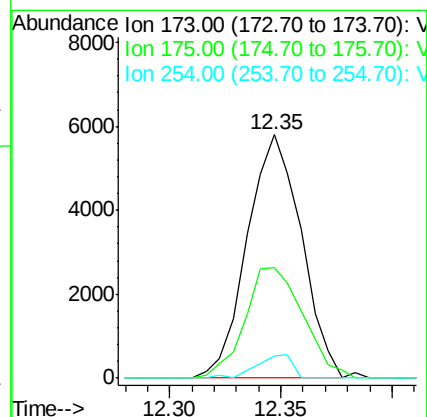
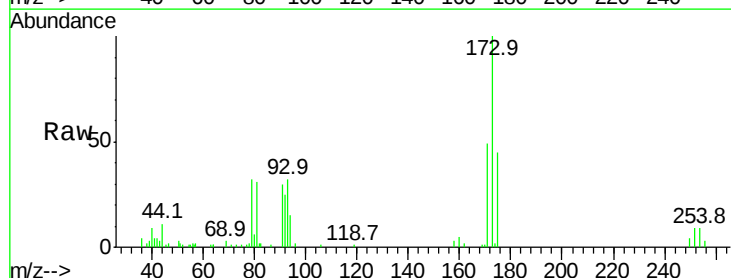
Tgt Ion: 173 Resp: 9805

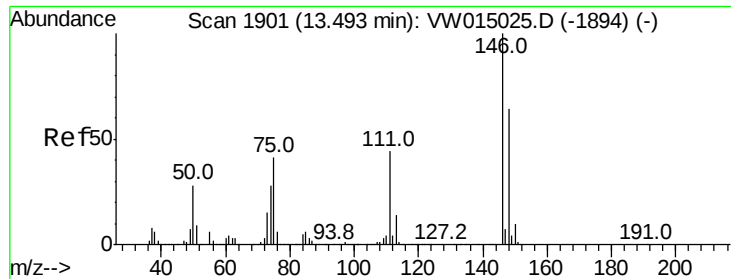
Ion Ratio Lower Upper

173 100

175 48.8 38.7 58.1

254 6.2 7.0 10.4#

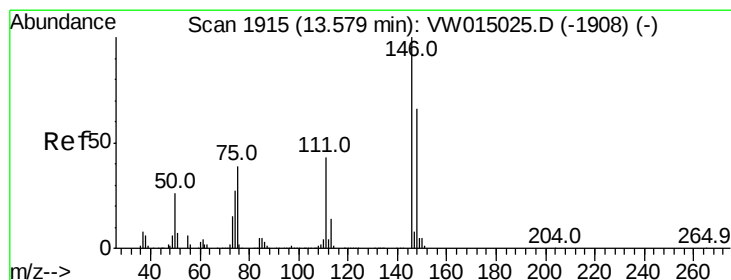
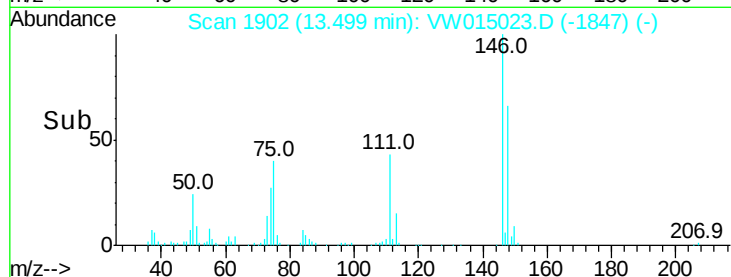
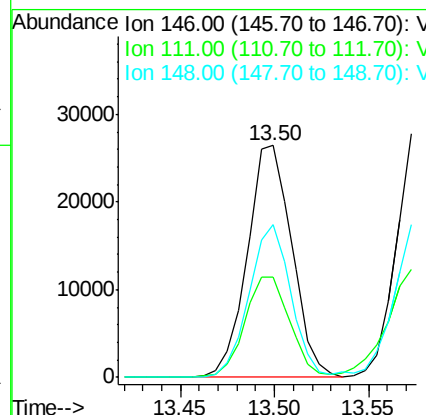
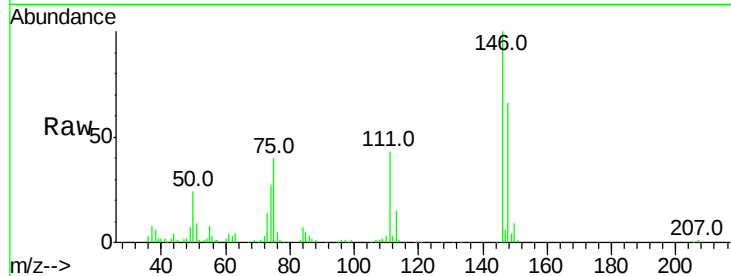




#63
 1,3-Dichlorobenzene
 Concen: 2.351 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW015023.D
 Acq: 24 Feb 2020 10:09

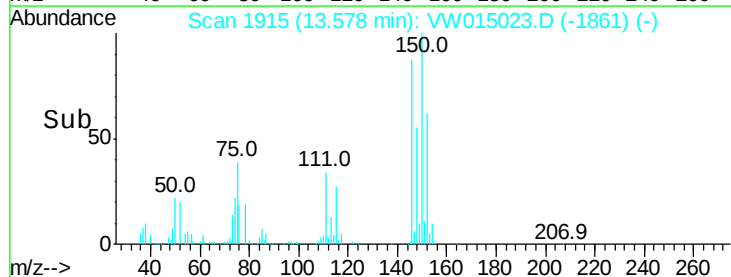
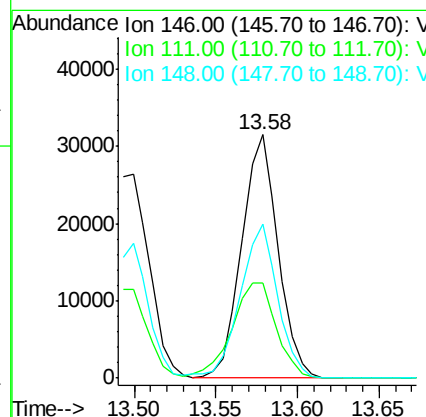
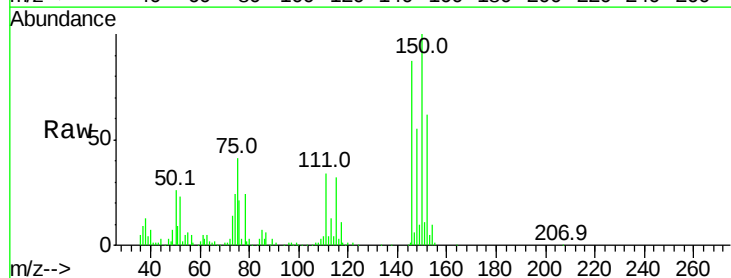
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

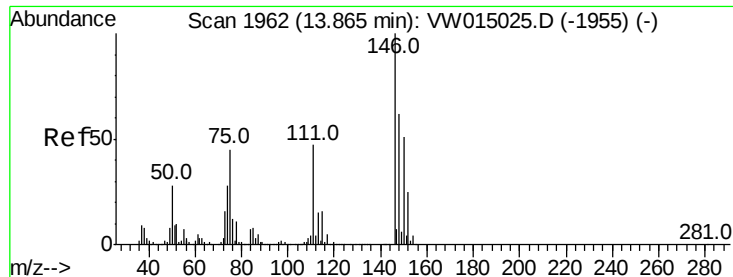
Tgt Ion:146 Resp: 43458
 Ion Ratio Lower Upper
 146 100
 111 43.5 30.9 57.3
 148 65.7 44.6 82.8



#64
 1,4-Dichlorobenzene
 Concen: 2.623 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015023.D
 Acq: 24 Feb 2020 10:09

Tgt Ion:146 Resp: 48856
 Ion Ratio Lower Upper
 146 100
 111 39.3 29.9 55.5
 148 63.3 46.1 85.5

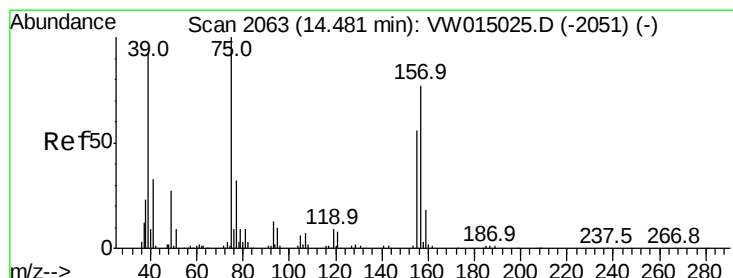
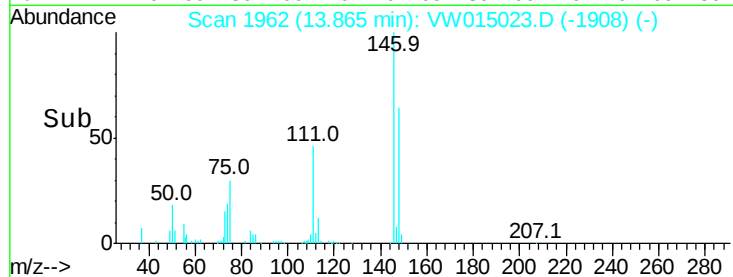
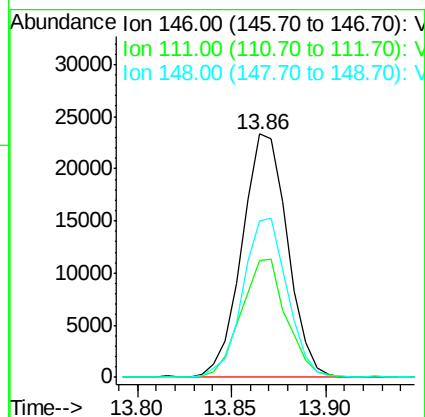
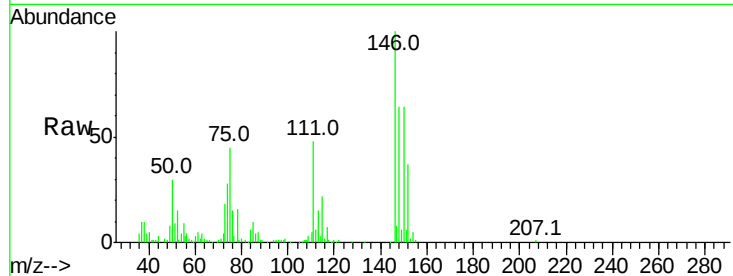




#65
 1,2-Dichlorobenzene
 Concen: 2.313 ug/L
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW015023.D
 Acq: 24 Feb 2020 10:09

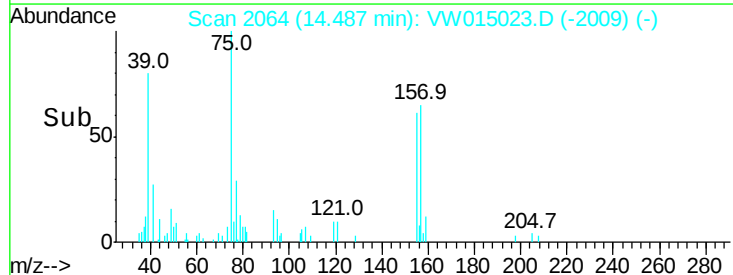
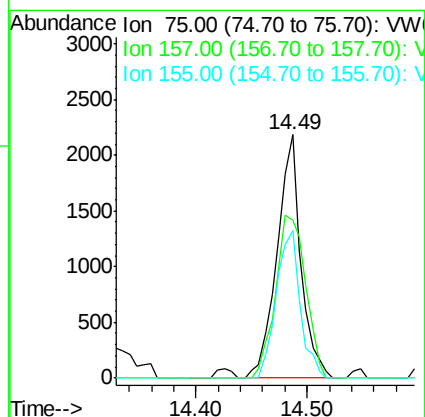
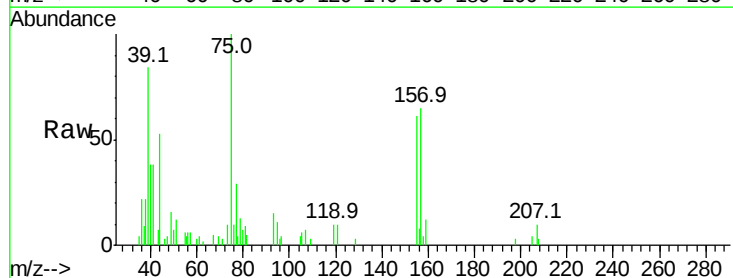
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

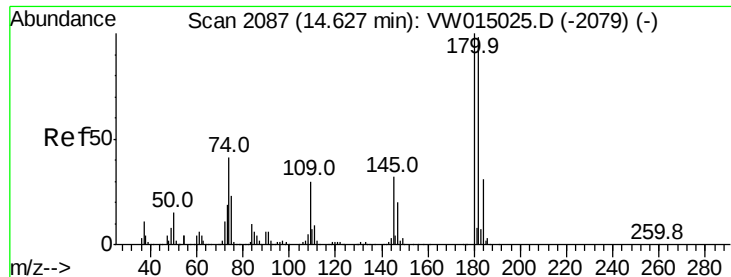
Tgt Ion: 146 Resp: 39113
 Ion Ratio Lower Upper
 146 100
 111 48.1 37.7 56.5
 148 64.4 50.0 75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.305 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW015023.D
 Acq: 24 Feb 2020 10:09

Tgt Ion: 75 Resp: 3324
 Ion Ratio Lower Upper
 75 100
 157 64.7 61.4 92.0
 155 60.6 45.0 67.6

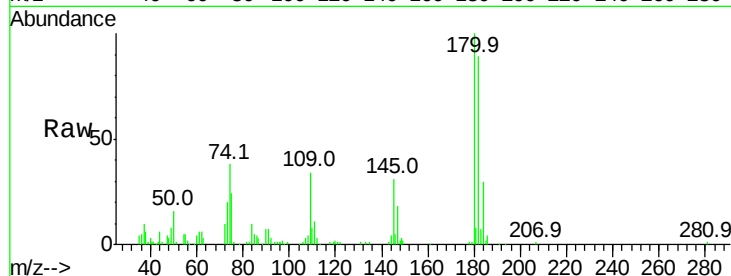




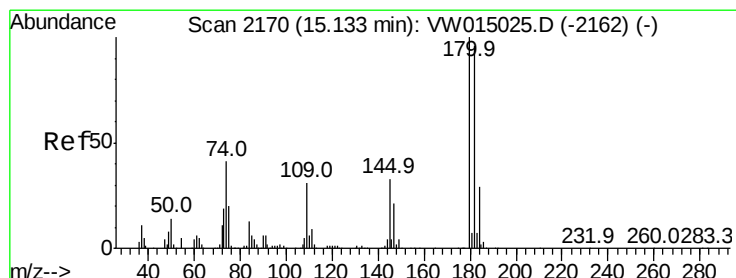
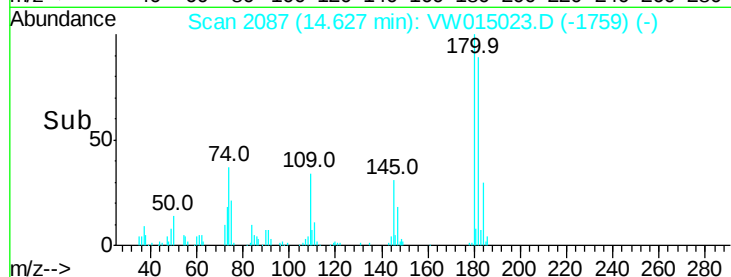
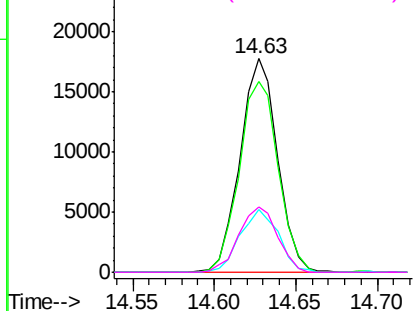
#67
 1,3,5-Trichlorobenzene
 Concen: 2.140 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015023.D
 Acq: 24 Feb 2020 10:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

Tgt Ion:180 Resp: 28341
 Ion Ratio Lower Upper
 180 100
 182 92.9 75.4 113.0
 184 30.1 23.9 35.9
 145 31.6 25.4 38.2

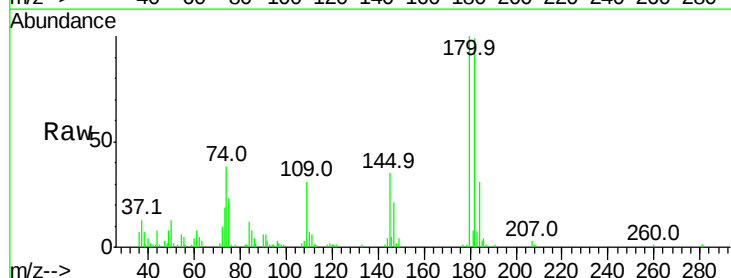


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

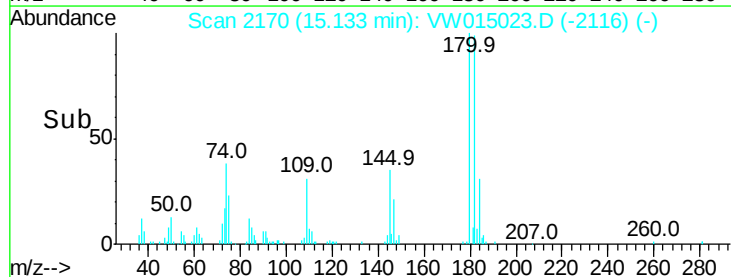
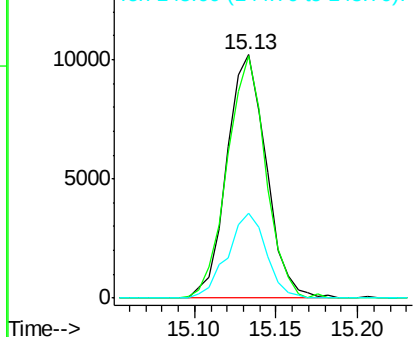


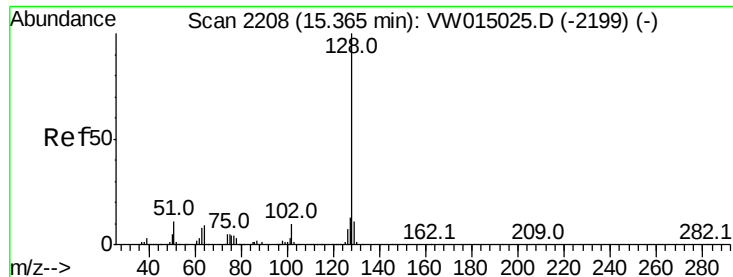
#68
 1,2,4-trichlorobenzene
 Concen: 1.639 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015023.D
 Acq: 24 Feb 2020 10:09

Tgt Ion:180 Resp: 17147
 Ion Ratio Lower Upper
 180 100
 182 96.8 75.7 113.5
 145 34.3 25.9 38.9



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





#69

Naphthalene

Concen: 0.638 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

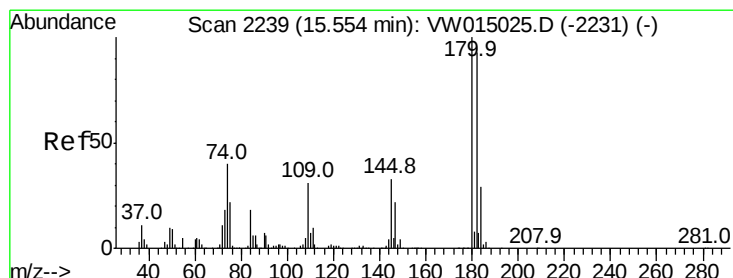
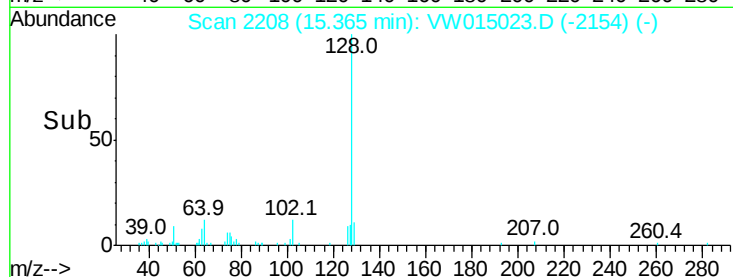
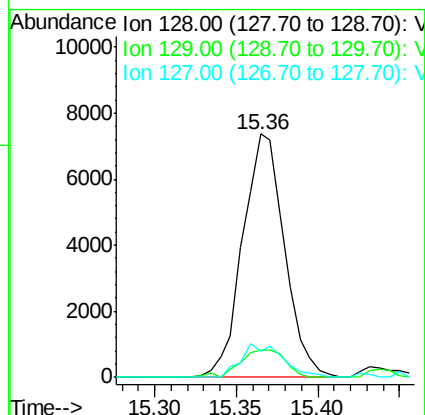
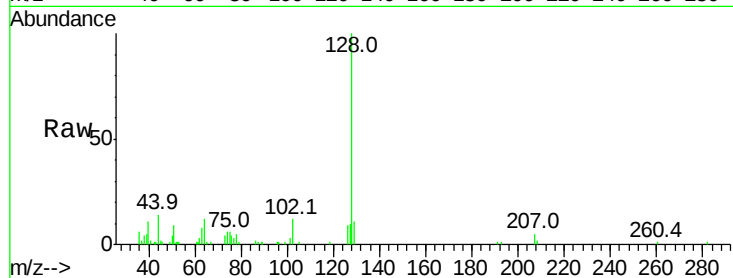
Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

Tgt Ion:	128	Resp:	13129
Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.9	13.3
127	13.5	11.1	16.7



#70

1,2,3-Trichlorobenzene

Concen: 1.677 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015023.D

Acq: 24 Feb 2020 10:09

Tgt Ion:	180	Resp:	16198
Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.8	113.6
145	33.8	27.1	40.7

