

Data File : VW015025.D
Acq On : 24 Feb 2020 11:01
Operator : SY/VA
Sample : VSTD02529
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

Quant Time: Feb 24 11:37:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
Quant Title : VOC Analysis
QLast Update : Mon Feb 24 11:29:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	718621	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	662139	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	291330	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	410247	34.48	ug/L	0.00
7) Chloroethane-d5	2.89	69	292390	30.70	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	662762	30.49	ug/L	0.00
20) 2-Butanone-d5	7.07	46	142559	42.70	ug/L	0.00
24) Chloroform-d	7.65	84	551405	27.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	308036	27.28	ug/L	0.00
29) Benzene-d6	8.27	84	1107567	26.01	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	364423	26.26	ug/L	0.00
37) Toluene-d8	10.32	98	961133	25.65	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	137024	25.01	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	100993	39.93	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	234508	22.44	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	253625	22.45	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	145793	19.734 ug/L	89
3) Chloromethane	2.21	50	317056	28.321 ug/L	99
5) Vinyl chloride	2.37	62	450950	30.851 ug/L	99
6) Bromomethane	2.78	94	198329	27.134 ug/L	99
8) Chloroethane	2.93	64	245572	30.706 ug/L	98
9) Trichlorofluoromethane	3.26	101	210375	35.604 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	288574	27.667 ug/L	92
12) 1,1-Dichloroethene	4.04	96	279623	27.430 ug/L	90
13) Acetone	4.12	43	194043	56.305 ug/L	94
14) Carbon disulfide	4.39	76	1015131	33.166 ug/L	99
15) Methyl Acetate	4.67	43	153131	27.002 ug/L	95
16) Methylene chloride	4.92	84	310392	23.709 ug/L	83
17) Methyl tert-butyl Ether	5.43	73	341625	25.652 ug/L	96
18) trans-1,2-Dichloroethene	5.43	96	285563	27.648 ug/L	91
19) 1,1-Dichloroethane	6.21	63	628002	30.012 ug/L	98
21) 2-Butanone	7.17	43	224443	55.625 ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	293816	26.300 ug/L	94
23) Bromochloromethane	7.51	128	113582	24.780 ug/L	73
25) Chloroform	7.68	83	560155	29.142 ug/L	99
27) 1,2-Dichloroethane	8.40	62	390446	29.463 ug/L	97
30) Cyclohexane	7.96	56	608298	30.833 ug/L	93
31) 1,1,1-Trichloroethane	7.87	97	436543	28.914 ug/L	96
32) Carbon tetrachloride	8.07	117	390779	28.794 ug/L	100
34) Benzene	8.32	78	1315624	28.895 ug/L	100
35) Trichloroethene	9.09	95	303020	26.848 ug/L	94
36) Methylcyclohexane	9.34	83	548429	27.895 ug/L	92
40) 1,2-Dichloropropane	9.37	63	357731	29.359 ug/L	99
41) Bromodichloromethane	9.64	83	392659	28.119 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	477842	27.618 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	416174	52.089 ug/L	95

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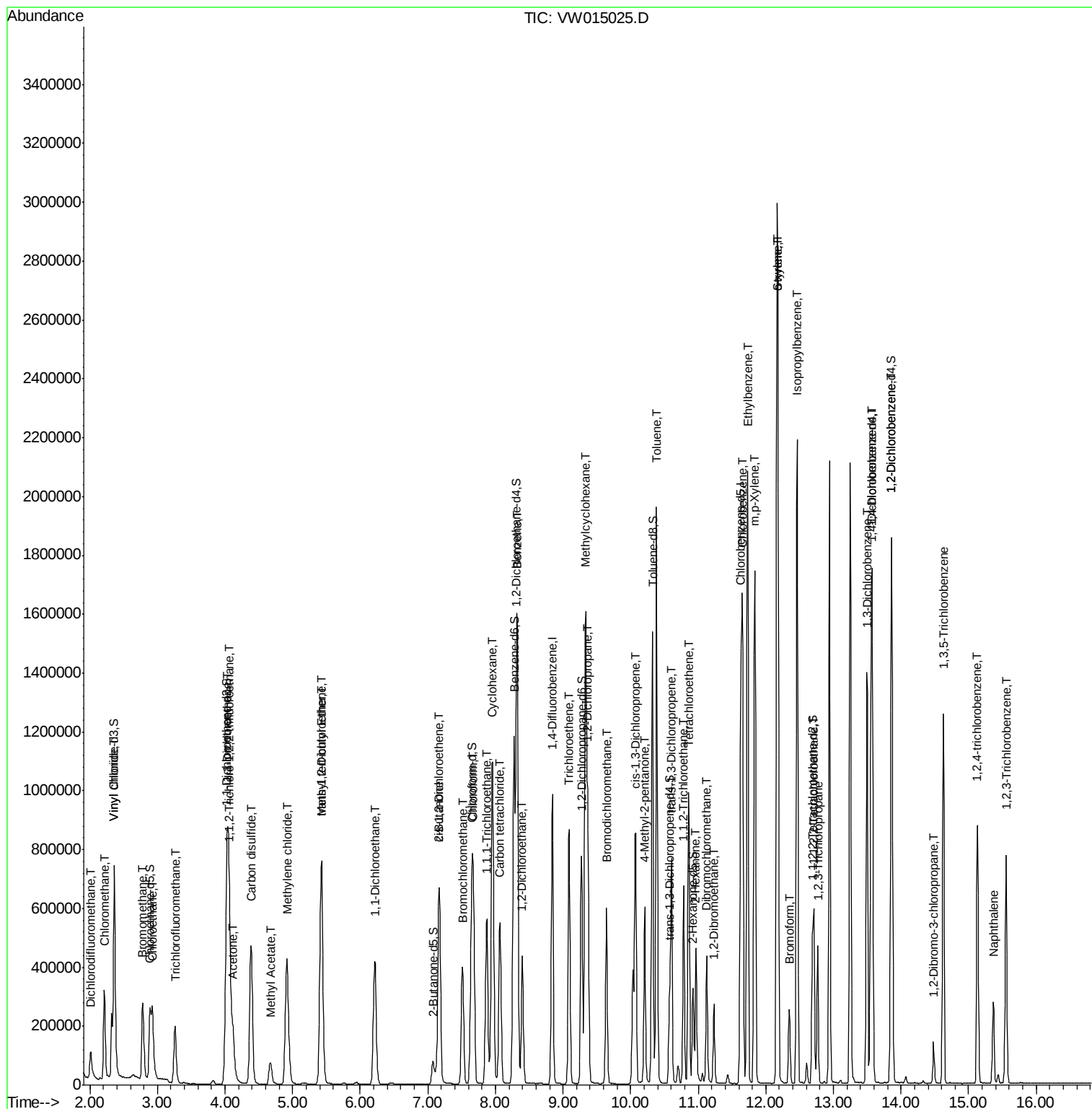
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	1311835	28.380	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	387826	27.835	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	199055	24.816	ug/L	96
47) Tetrachloroethene	10.86	164	195946	23.628	ug/L	93
49) 2-Hexanone	10.96	43	311254	55.461	ug/L #	95
50) Dibromochloromethane	11.13	129	212214	24.617	ug/L	96
51) 1,2-Dibromoethane	11.23	107	175887	23.567	ug/L	96
52) Chlorobenzene	11.65	112	721770	25.540	ug/L	92
53) Ethylbenzene	11.73	91	1405808	27.800	ug/L	96
54) m,p-Xylene	11.84	106	502963	27.230	ug/L	93
55) o-xylene	12.16	106	465438	26.476	ug/L	93
56) Styrene	12.18	104	817194	27.505	ug/L	96
57) Isopropylbenzene	12.46	105	1272042	26.943	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	251555	25.126	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	189680	25.182	ug/L	99
62) Bromoform	12.35	173	104495	23.529	ug/L	99
63) 1,3-Dichlorobenzene	13.49	146	491191	24.960	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	495087	24.975	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	446029	24.780	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	39046	25.441	ug/L	83
67) 1,3,5-Trichlorobenzene	14.63	180	331927	23.551	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	247337	22.211	ug/L	99
69) Naphthalene	15.36	128	219074	10.001	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	228391	22.212	ug/L	99

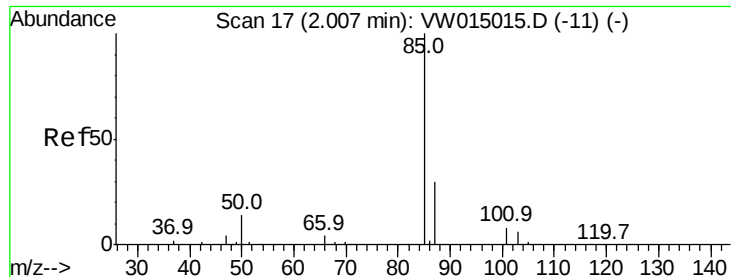
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.734 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

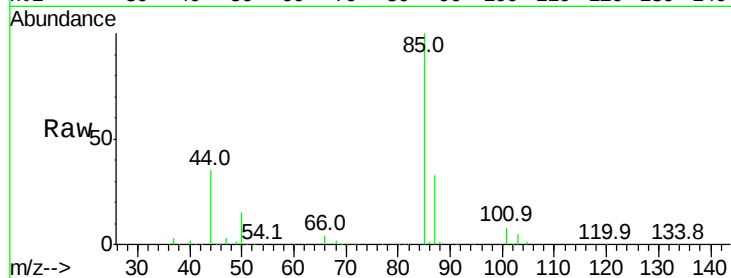
VSTD02503

Tgt Ion: 85 Resp: 145793

Ion Ratio Lower Upper

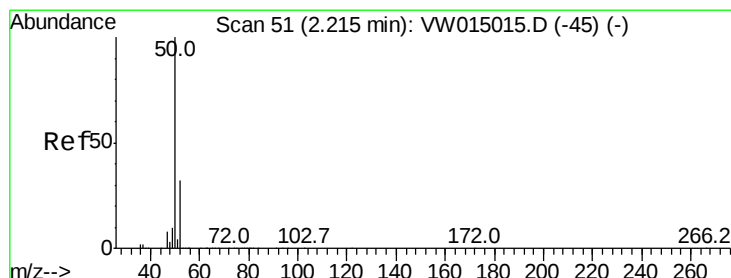
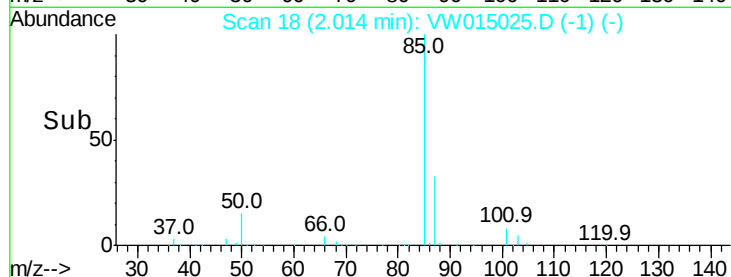
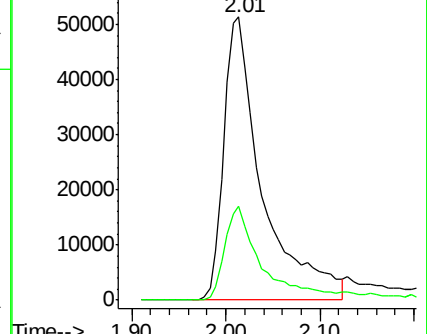
85 100

87 31.5 18.1 33.7



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 28.321 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015025.D

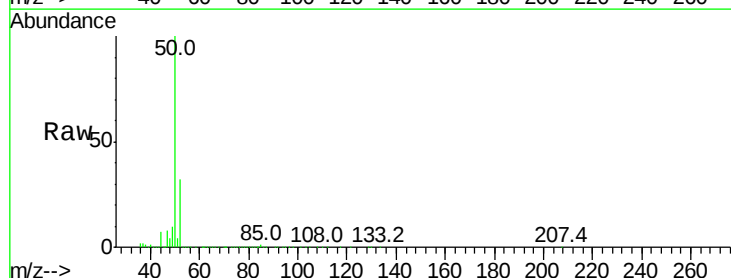
Acq: 24 Feb 2020 11:01

Tgt Ion: 50 Resp: 317056

Ion Ratio Lower Upper

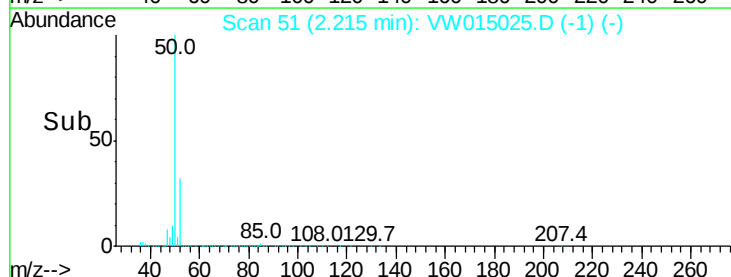
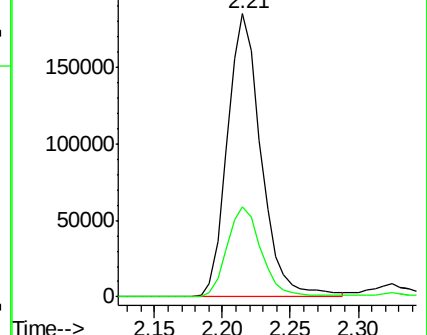
50 100

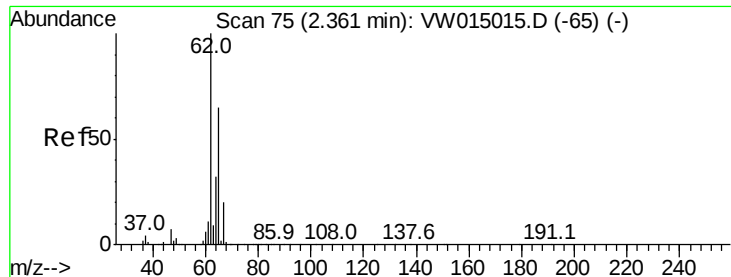
52 31.9 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 30.851 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

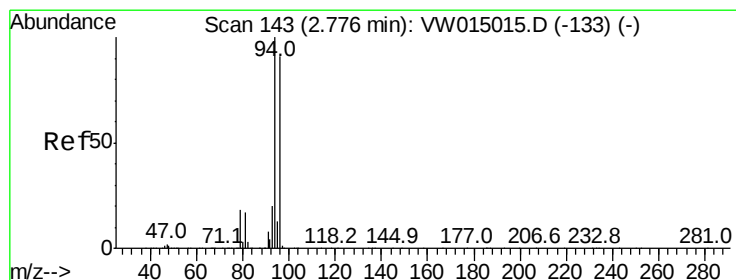
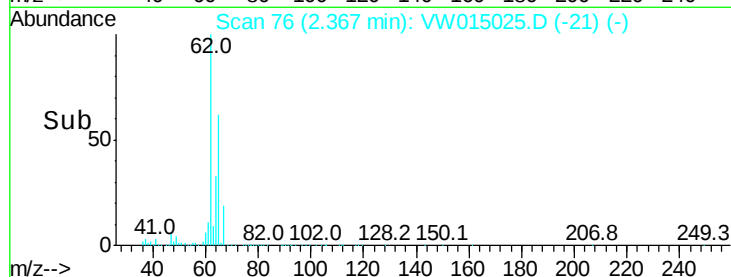
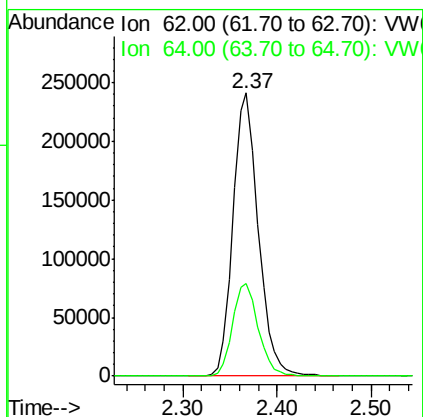
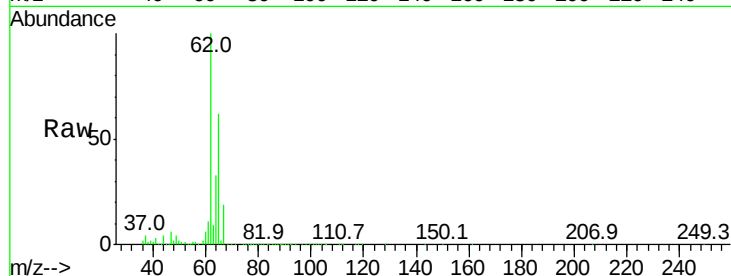
VSTD02503

Tgt Ion: 62 Resp: 450950

Ion Ratio Lower Upper

62 100

64 32.9 22.5 41.9



#6

Bromomethane

Concen: 27.134 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW015025.D

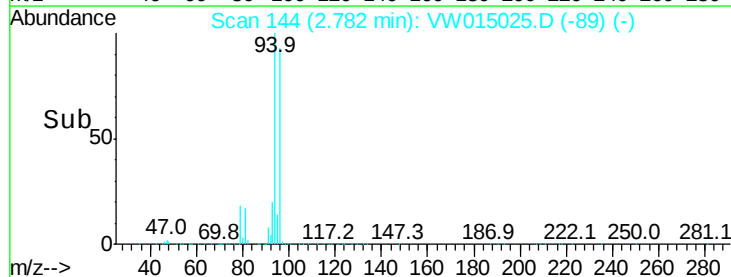
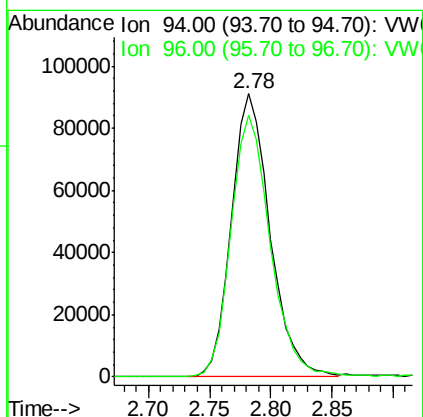
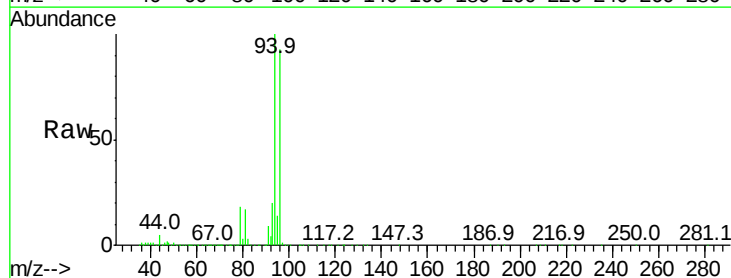
Acq: 24 Feb 2020 11:01

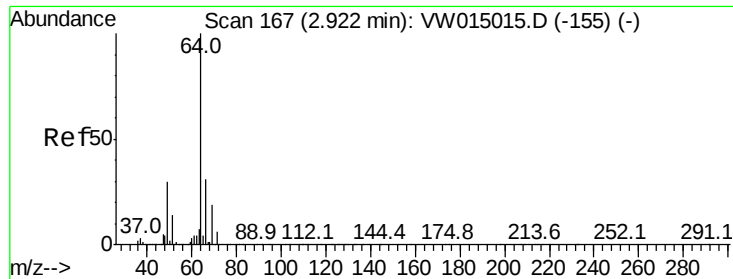
Tgt Ion: 94 Resp: 198329

Ion Ratio Lower Upper

94 100

96 94.6 9.4 178.0





#8

Chloroethane

Concen: 30.706 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

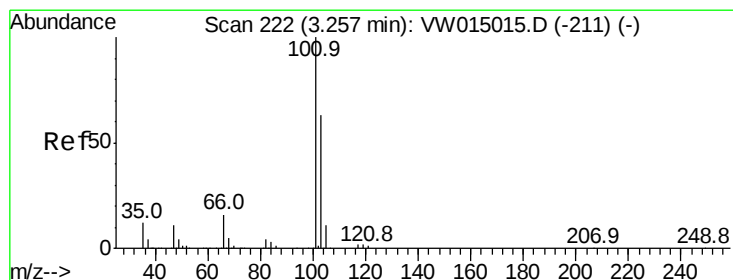
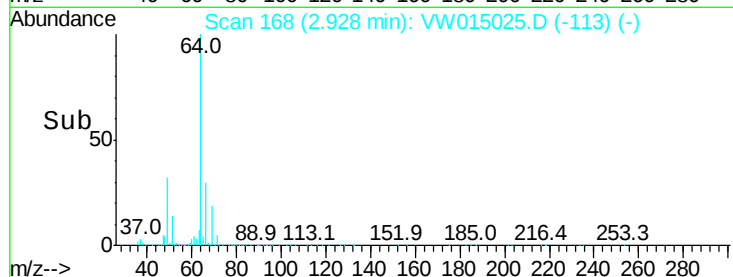
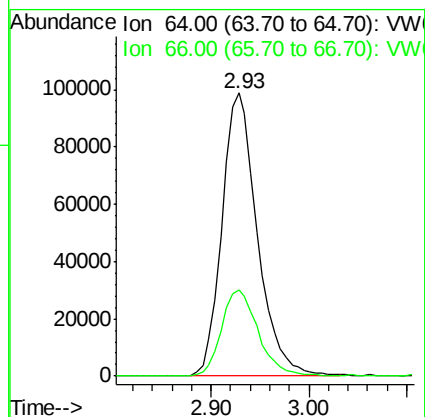
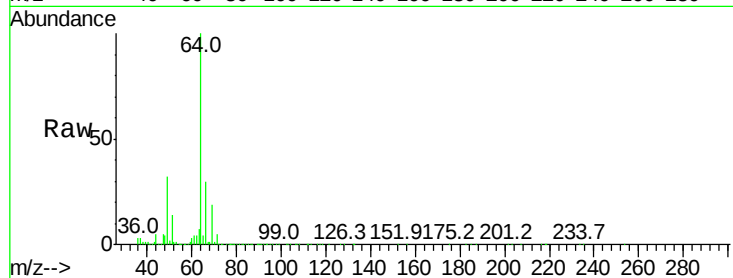
VSTD02503

Tgt Ion: 64 Resp: 245572

Ion Ratio Lower Upper

64 100

66 30.3 21.9 40.7



#9

Trichlorofluoromethane

Concen: 35.604 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW015025.D

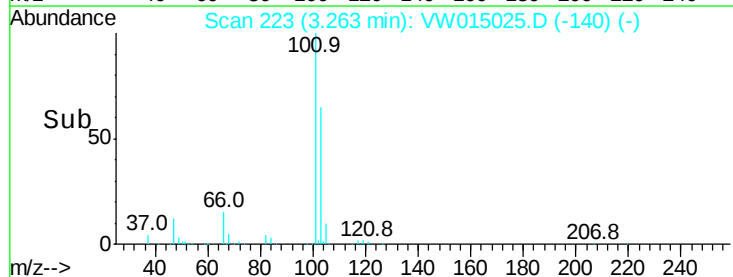
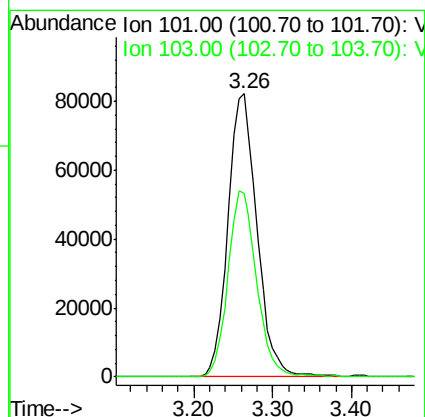
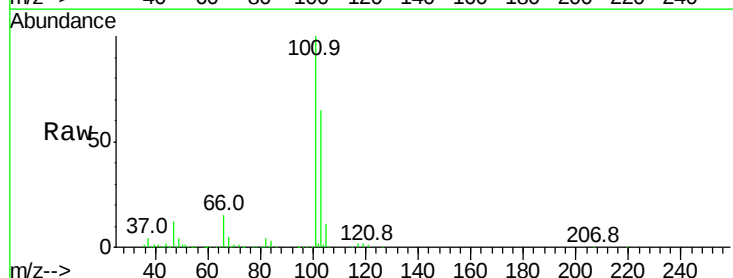
Acq: 24 Feb 2020 11:01

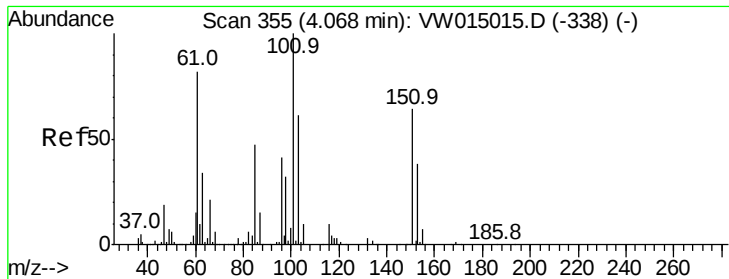
Tgt Ion: 101 Resp: 210375

Ion Ratio Lower Upper

101 100

103 64.2 45.8 85.0





#11

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

Concen: 27.667 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

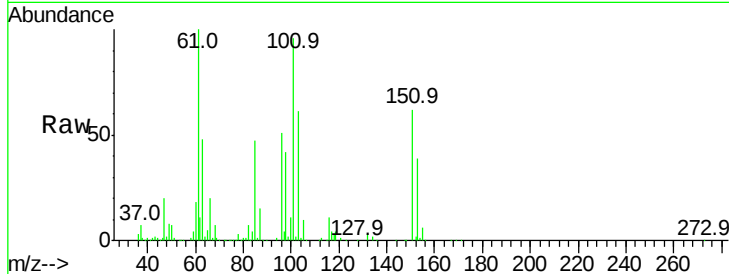
Tgt Ion:101 Resp: 288574

Ion Ratio Lower Upper

101 100

85 47.3 34.8 52.2

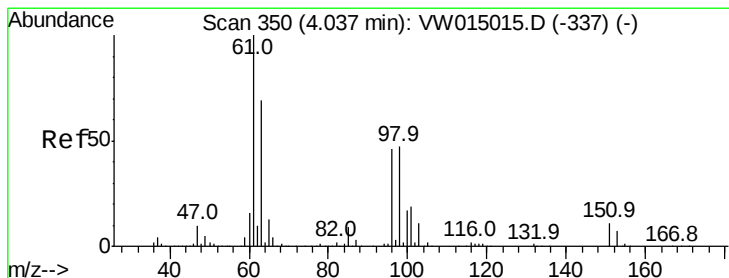
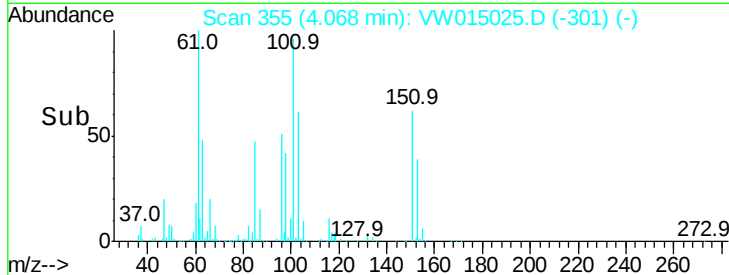
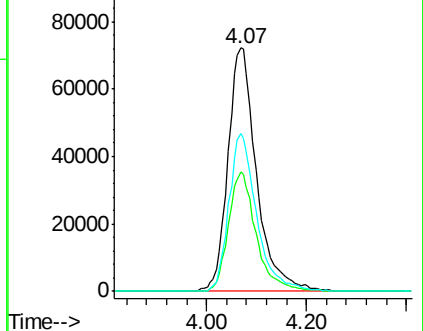
151 62.9 56.3 84.5



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: 27.430 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

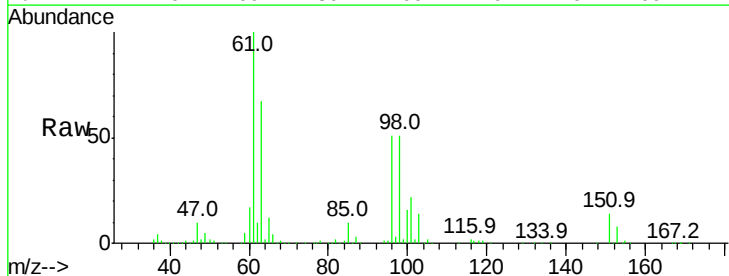
Tgt Ion: 96 Resp: 279623

Ion Ratio Lower Upper

96 100

61 197.8 134.7 250.1

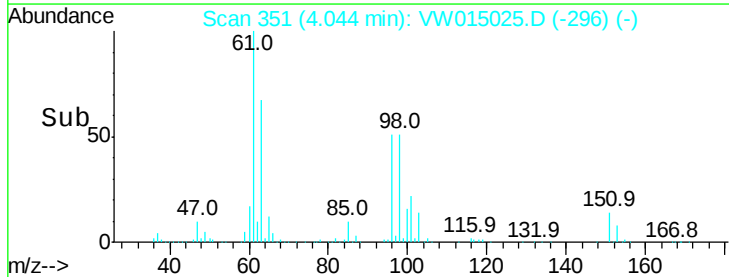
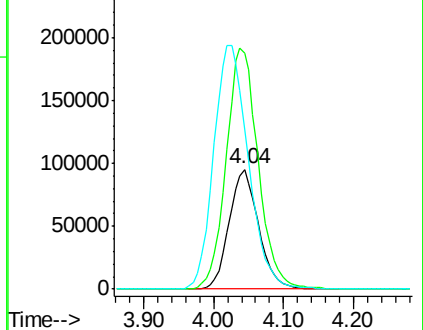
63 133.5 110.2 204.8

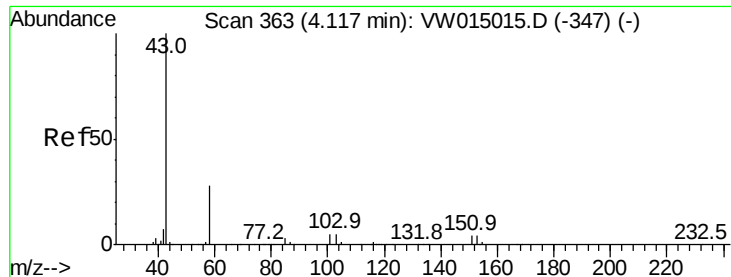


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 56.305 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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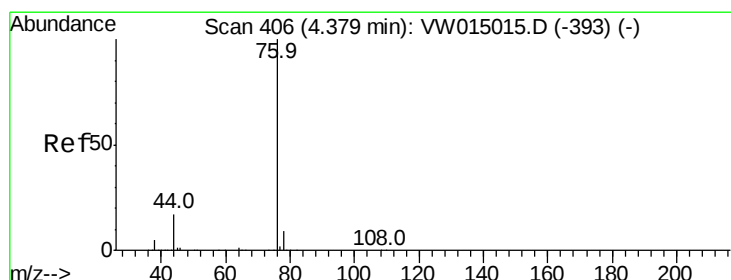
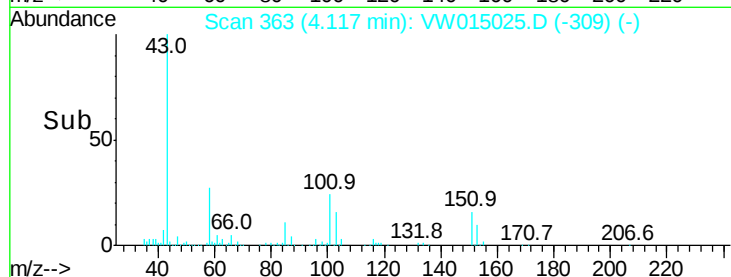
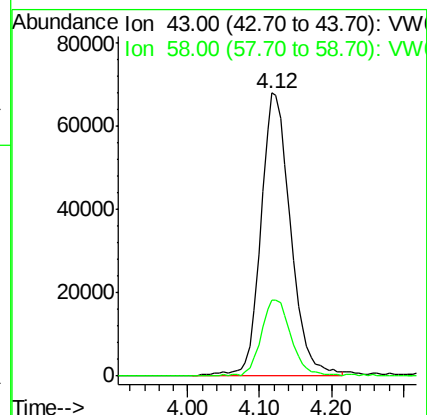
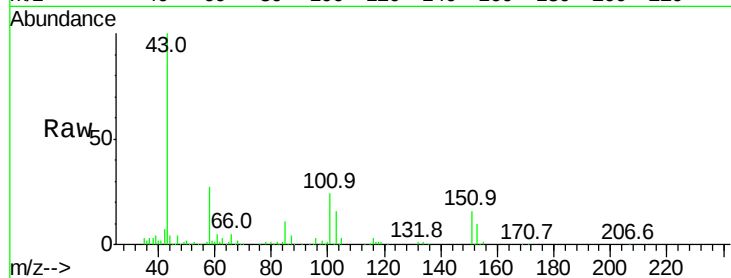
VSTD02503

Tgt Ion: 43 Resp: 194043

Ion Ratio Lower Upper

43 100

58 27.0 0.0 60.4



#14

Carbon disulfide

Concen: 33.166 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015025.D

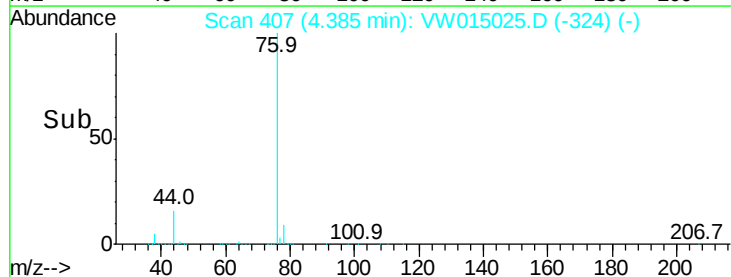
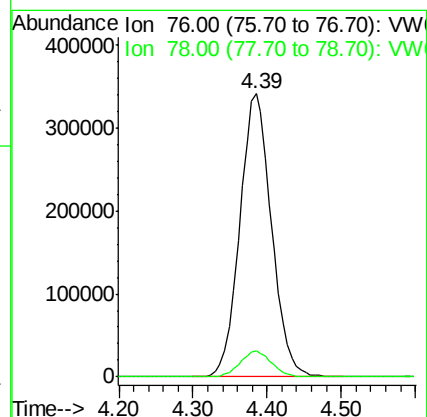
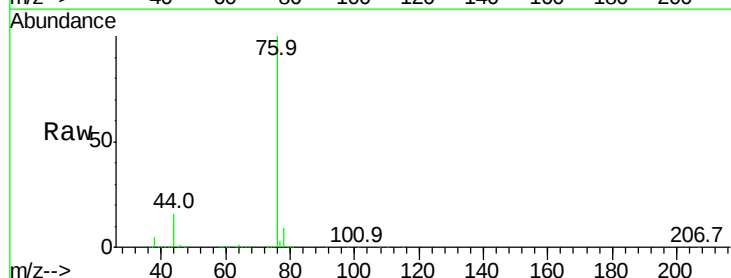
Acq: 24 Feb 2020 11:01

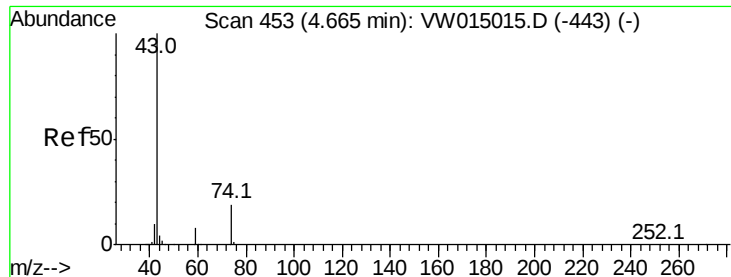
Tgt Ion: 76 Resp: 1015131

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6





#15

Methyl Acetate

Concen: 27.002 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

Instrument :

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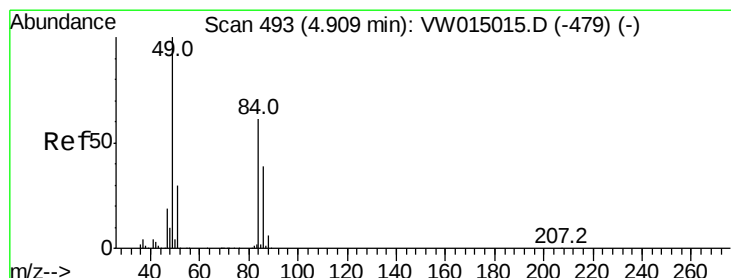
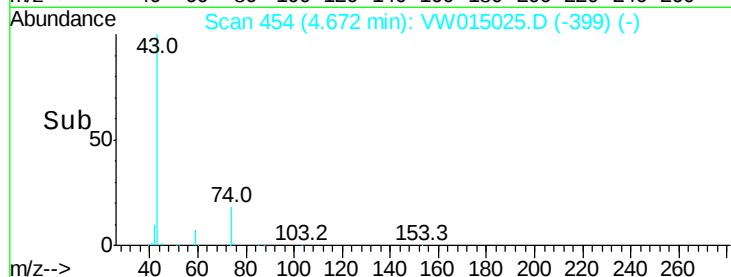
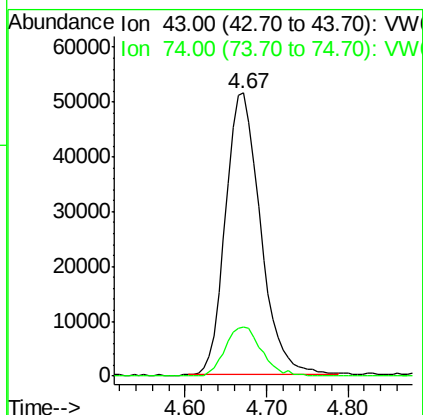
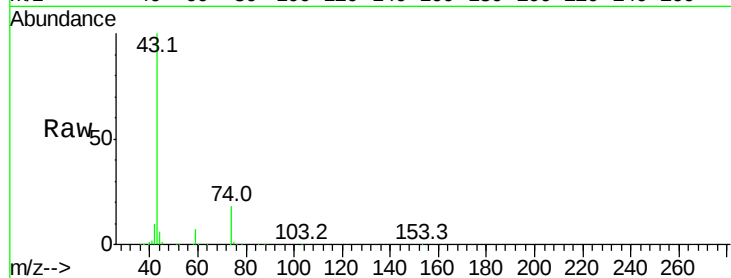
VSTD02503

Tgt Ion: 43 Resp: 153131

Ion Ratio Lower Upper

43 100

74 18.1 16.5 24.7



#16

Methylene chloride

Concen: 23.709 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

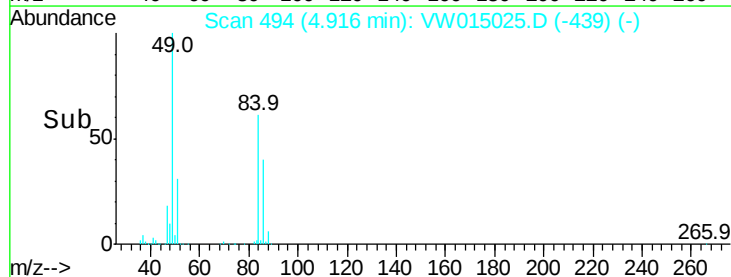
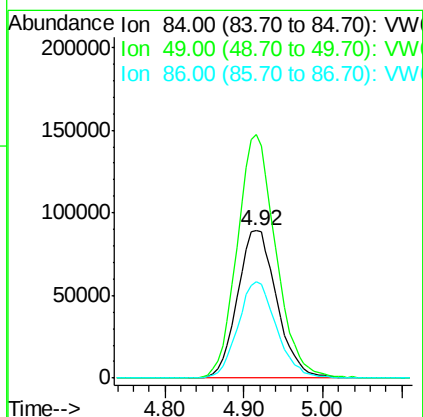
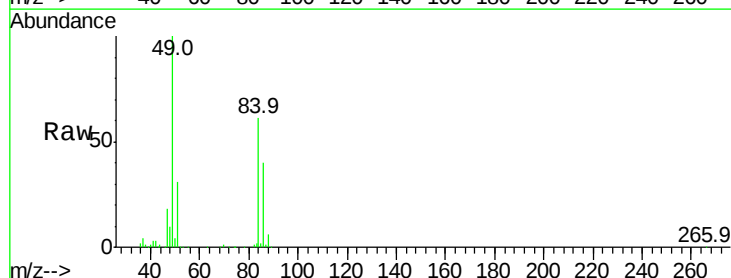
Tgt Ion: 84 Resp: 310392

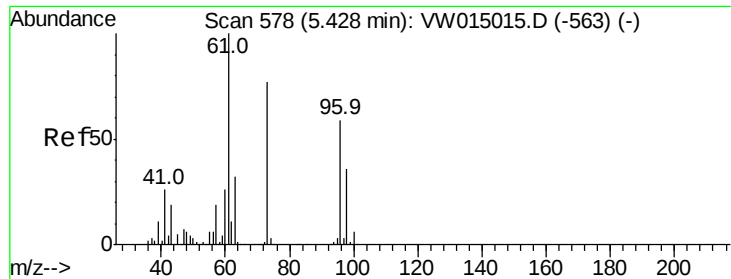
Ion Ratio Lower Upper

84 100

49 165.2 95.8 177.8

86 65.6 44.2 82.2

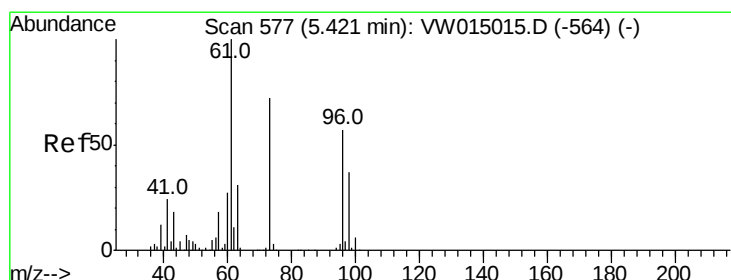
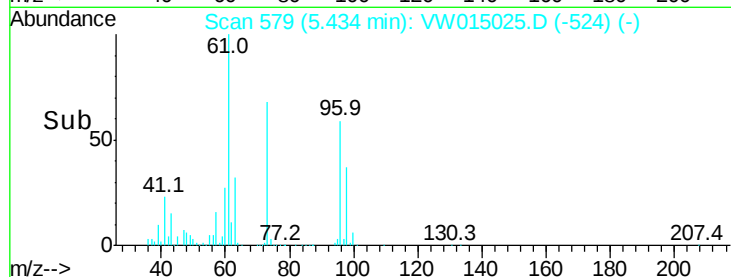
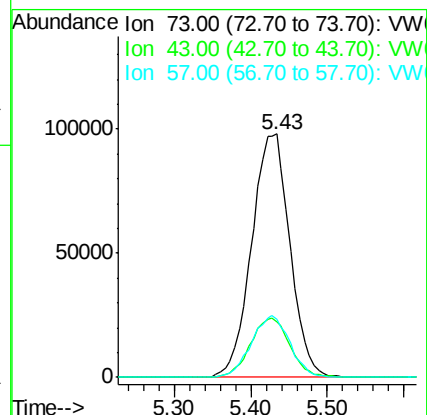
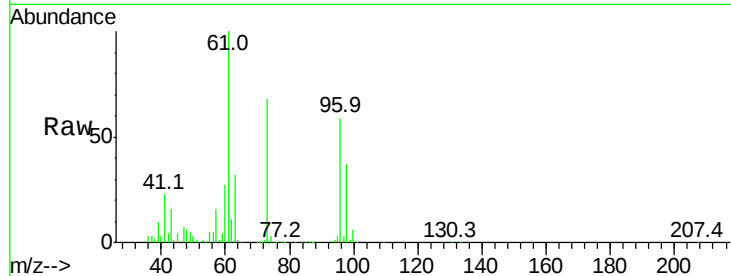




#17
Methyl tert-butyl Ether
Concen: 25.652 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015025.D
Acq: 24 Feb 2020 11:01

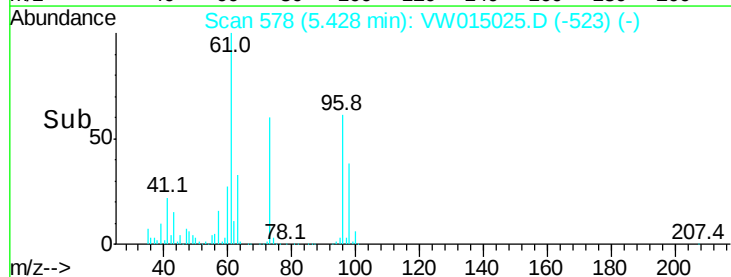
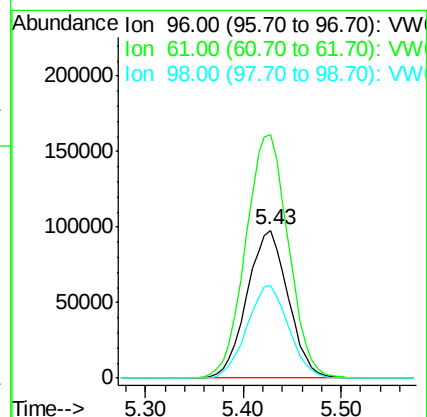
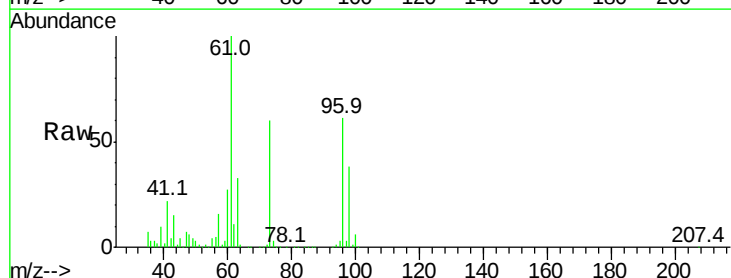
Instrument :
MSVOA_W
ClientSampled :
VSTD02503

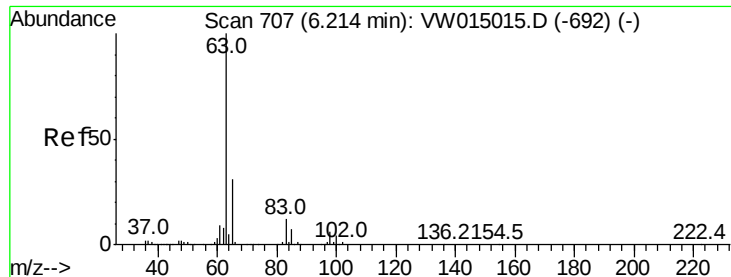
Tgt Ion: 73 Resp: 341625
Ion Ratio Lower Upper
73 100
43 24.6 17.5 26.3
57 25.5 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 27.648 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015025.D
Acq: 24 Feb 2020 11:01

Tgt Ion: 96 Resp: 285563
Ion Ratio Lower Upper
96 100
61 164.5 104.4 194.0
98 62.8 43.8 81.3

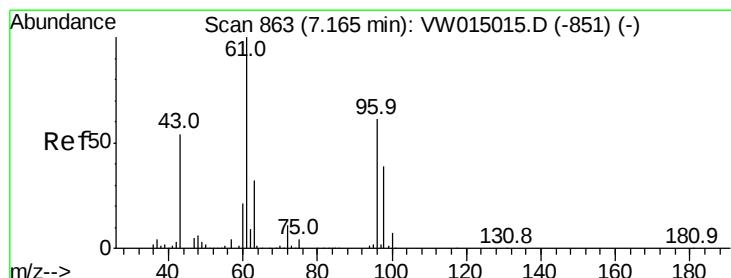
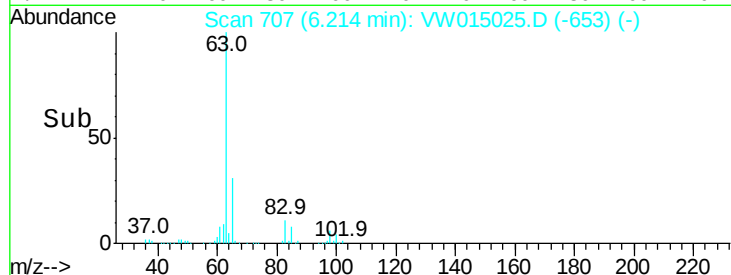
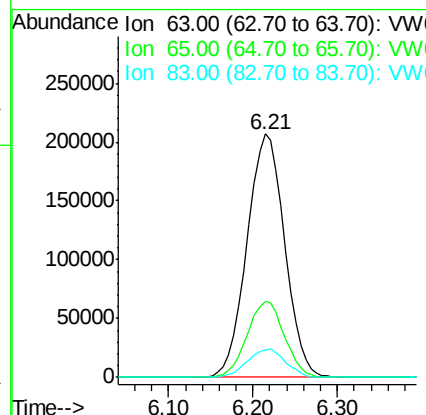
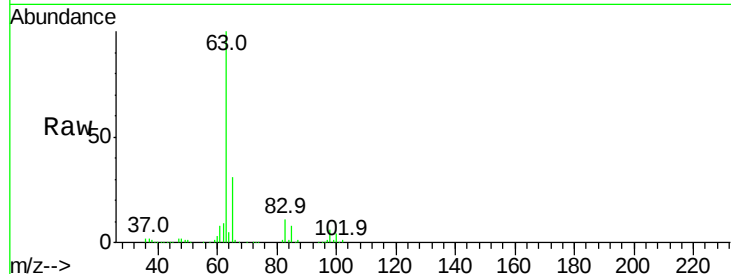




#19
 1,1-Dichloroethane
 Concen: 30.012 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW015025.D
 Acq: 24 Feb 2020 11:01

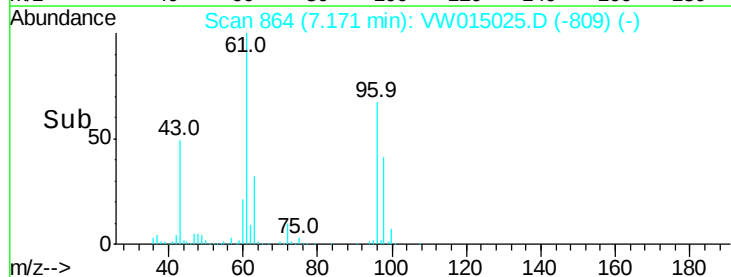
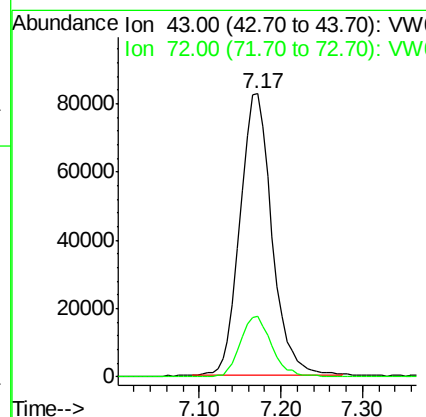
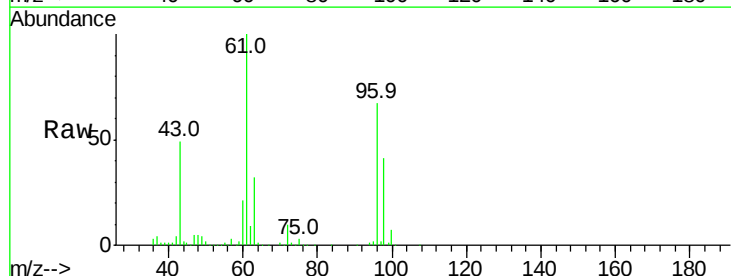
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02503

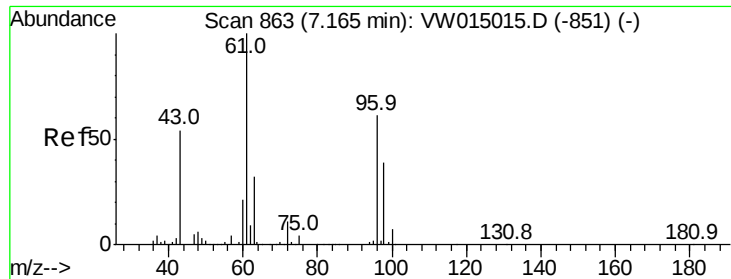
Tgt Ion: 63 Resp: 628002
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.5 39.9
 83 11.2 8.8 16.3



#21
 2-Butanone
 Concen: 55.625 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW015025.D
 Acq: 24 Feb 2020 11:01

Tgt Ion: 43 Resp: 224443
 Ion Ratio Lower Upper
 43 100
 72 20.9 11.9 35.5



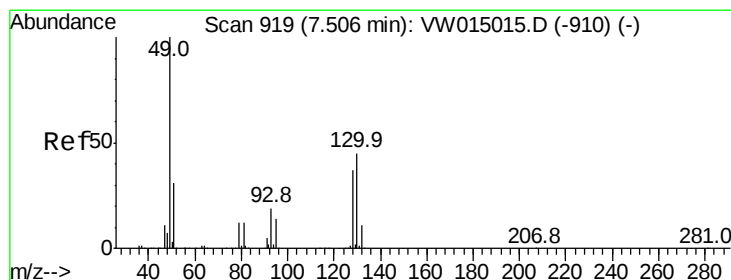
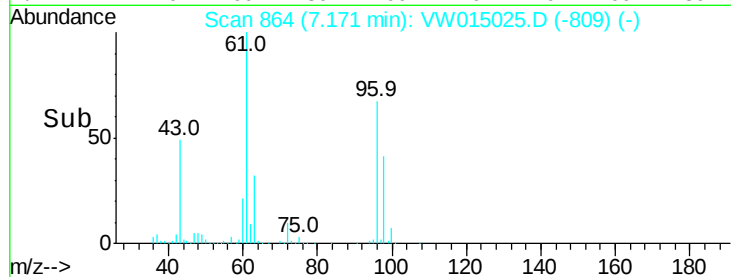
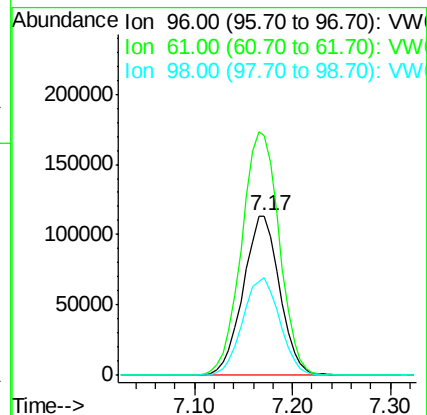
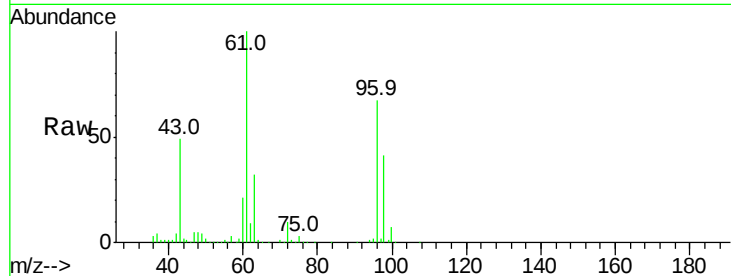


#22

cis-1,2-Dichloroethene
Concen: 26.300 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW015025.D
Acq: 24 Feb 2020 11:01

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

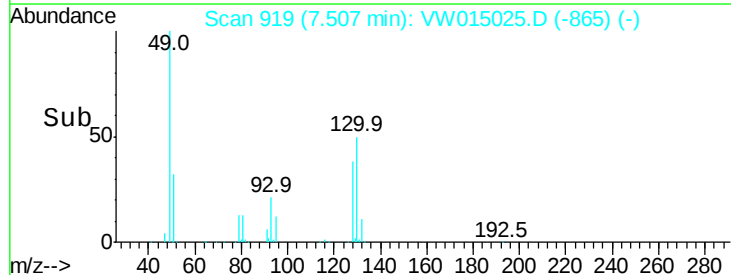
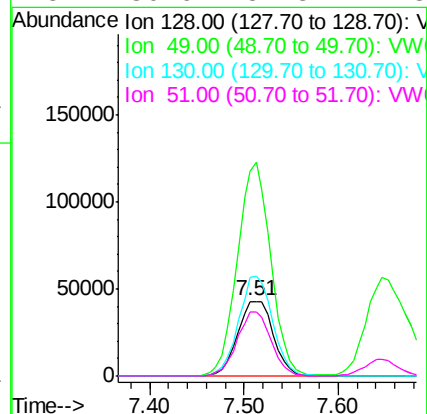
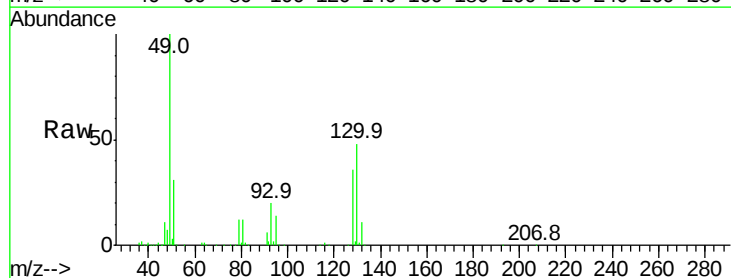
Tgt Ion: 96 Resp: 293816
Ion Ratio Lower Upper
96 100
61 150.3 98.6 183.0
98 60.9 44.2 82.2

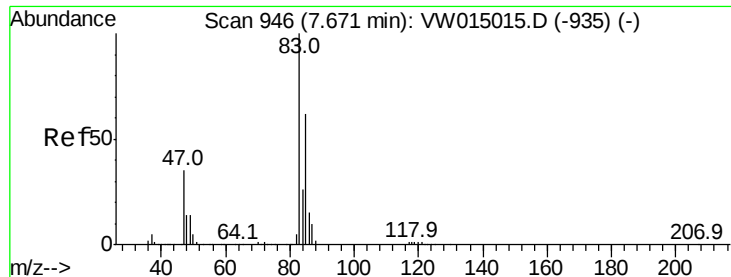


#23

Bromochloromethane
Concen: 24.780 ug/L
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW015025.D
Acq: 24 Feb 2020 11:01

Tgt Ion: 128 Resp: 113582
Ion Ratio Lower Upper
128 100
49 275.3 146.0 271.2#
130 132.4 90.9 168.9
51 86.6 51.8 77.8#





#25

Chloroform

Concen: 29.142 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

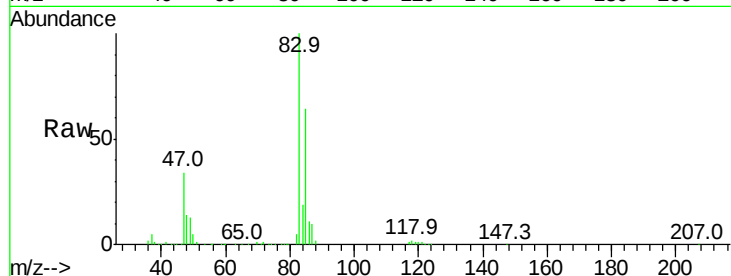
VSTD02503

Tgt Ion: 83 Resp: 560155

Ion Ratio Lower Upper

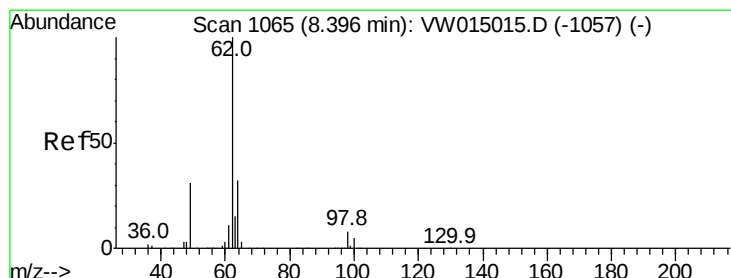
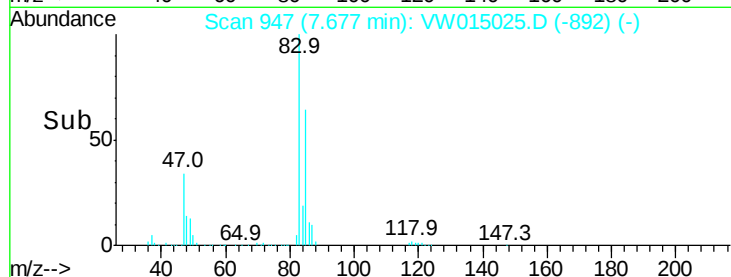
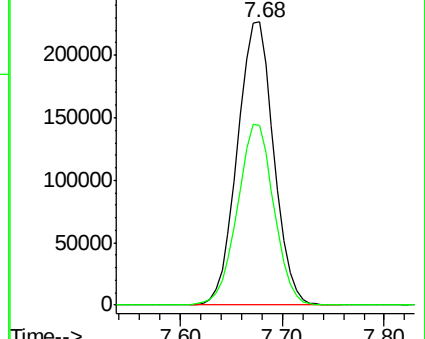
83 100

85 64.2 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 29.463 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW015025.D

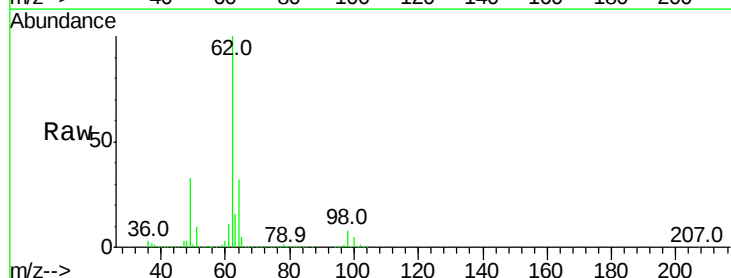
Acq: 24 Feb 2020 11:01

Tgt Ion: 62 Resp: 390446

Ion Ratio Lower Upper

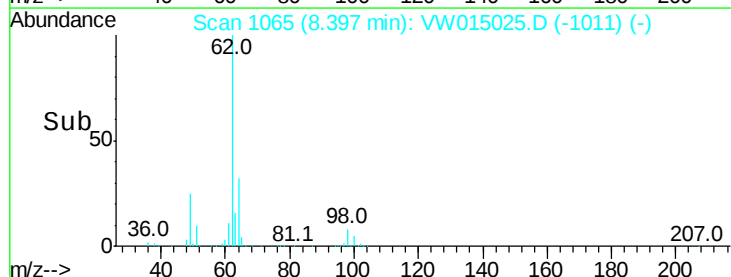
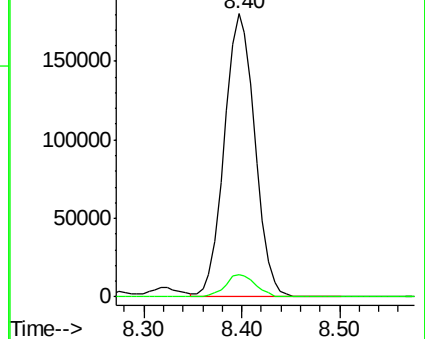
62 100

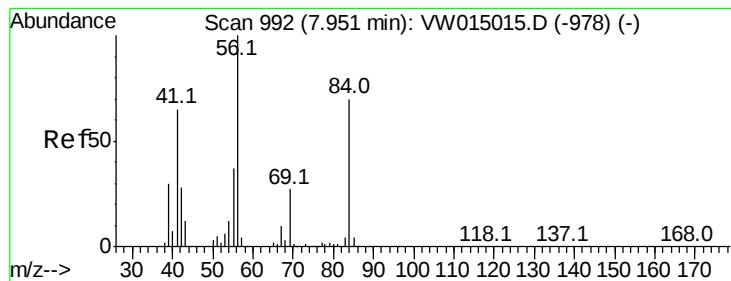
98 8.1 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 30.833 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

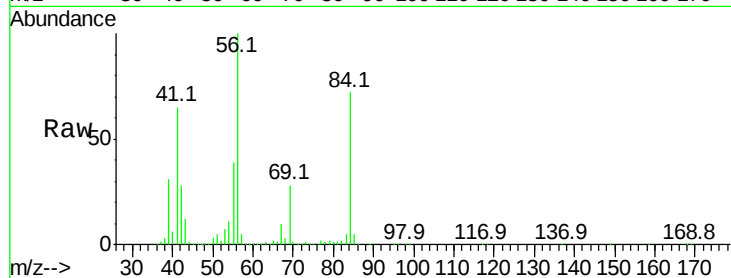
Tgt Ion: 56 Resp: 608298

Ion Ratio Lower Upper

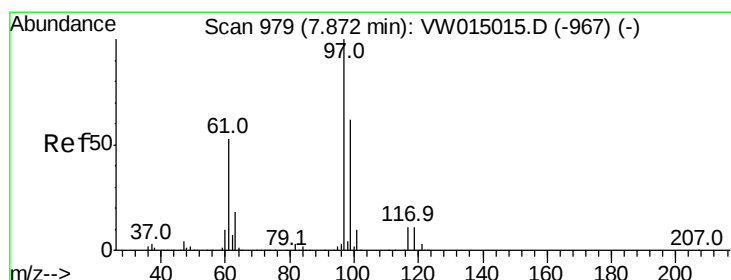
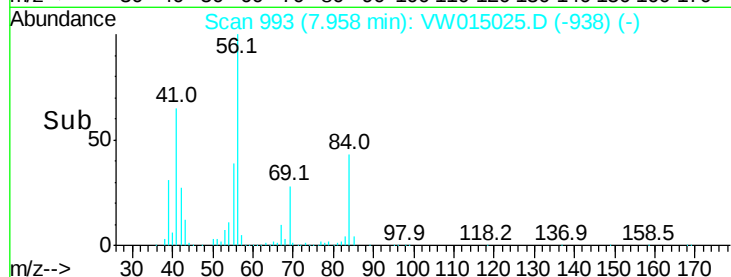
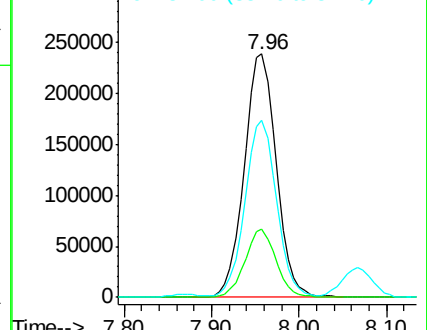
56 100

69 27.2 22.9 34.3

84 71.6 63.8 95.6



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 28.914 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

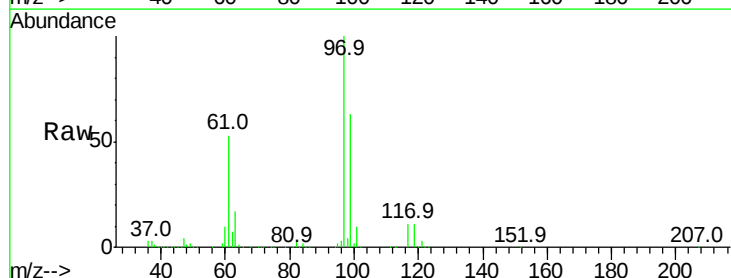
Tgt Ion: 97 Resp: 436543

Ion Ratio Lower Upper

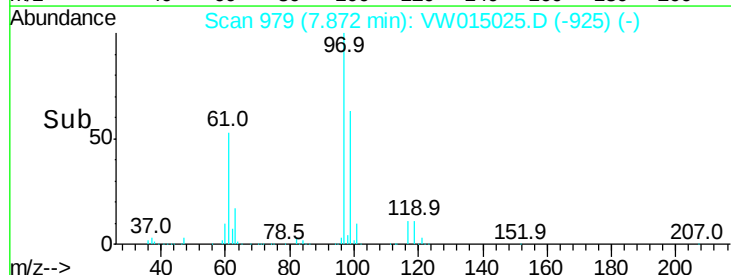
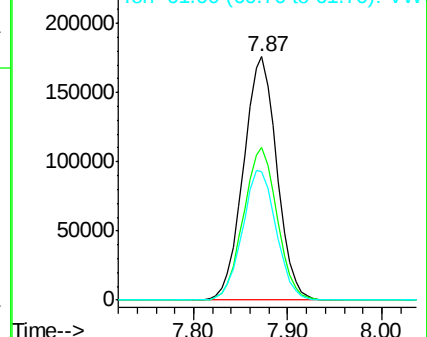
97 100

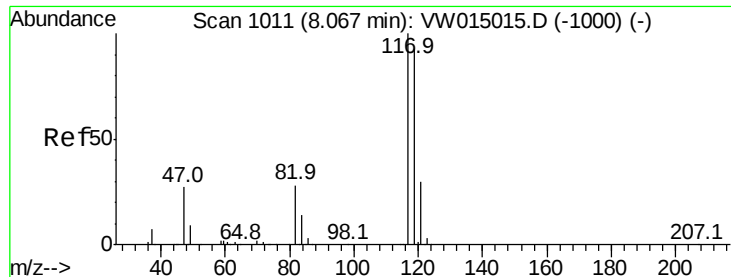
99 63.3 51.0 76.6

61 53.9 38.9 58.3



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 28.794 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

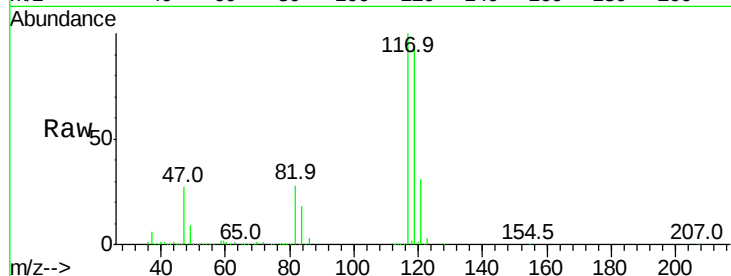
VSTD02503

Tgt Ion:117 Resp: 390779

Ion Ratio Lower Upper

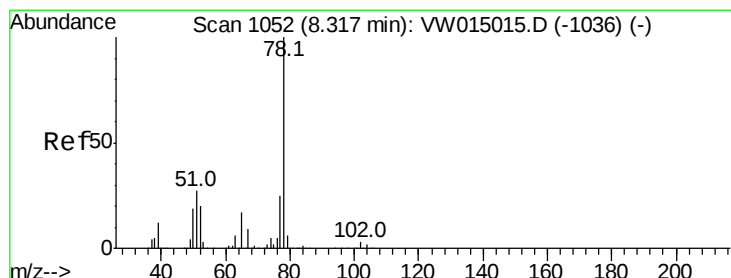
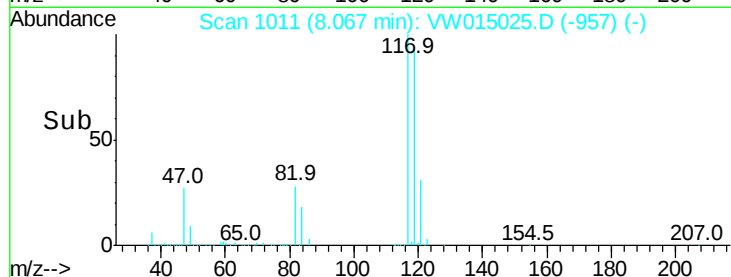
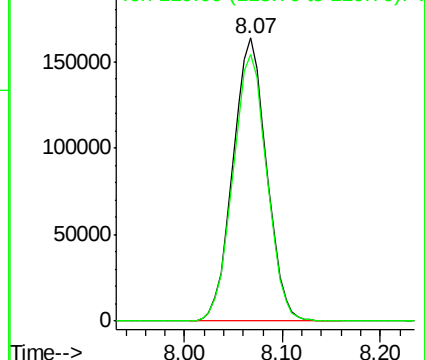
117 100

119 95.4 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 28.895 ug/L

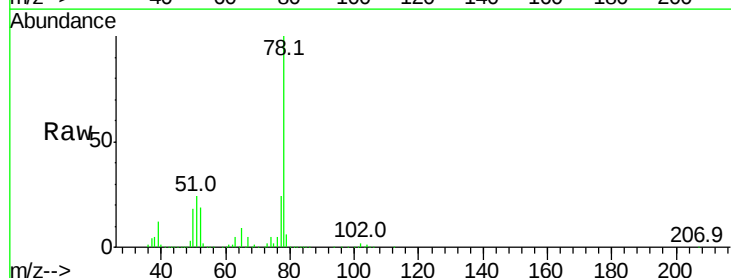
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

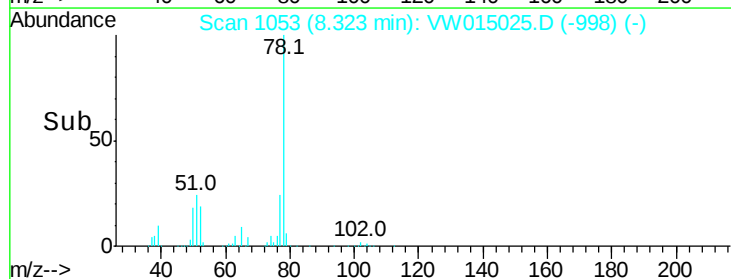
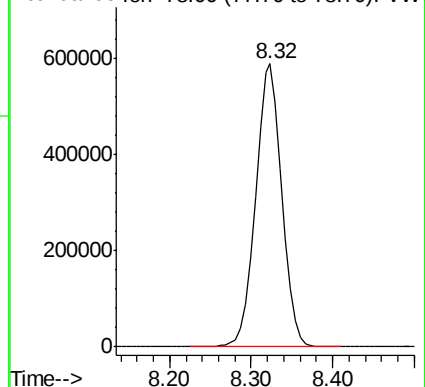
Lab File: VW015025.D

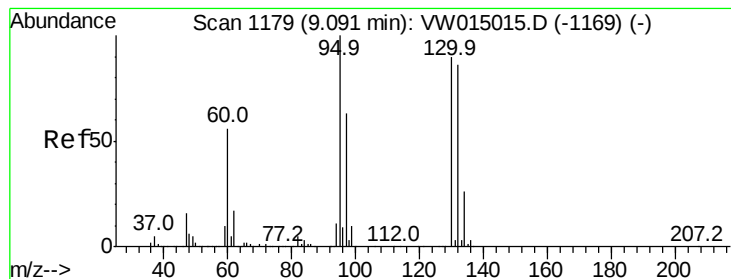
Acq: 24 Feb 2020 11:01

Tgt Ion: 78 Resp: 1315624



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.848 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tgt Ion: 95 Resp: 303020

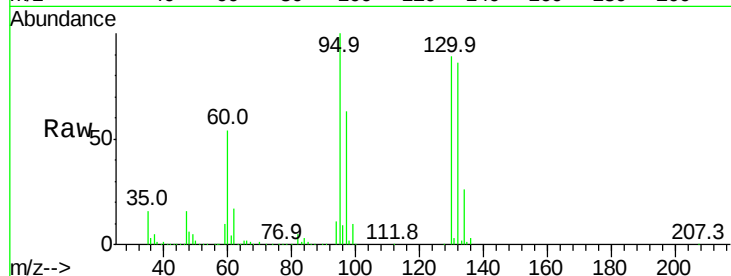
Ion Ratio Lower Upper

95 100

97 63.9 44.4 82.5

132 83.0 63.6 118.0

130 88.6 67.3 124.9

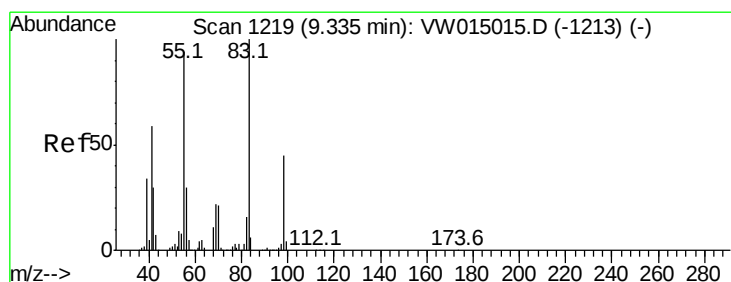
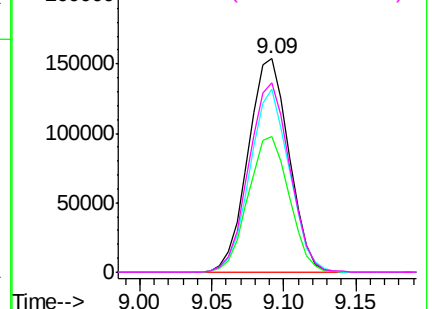
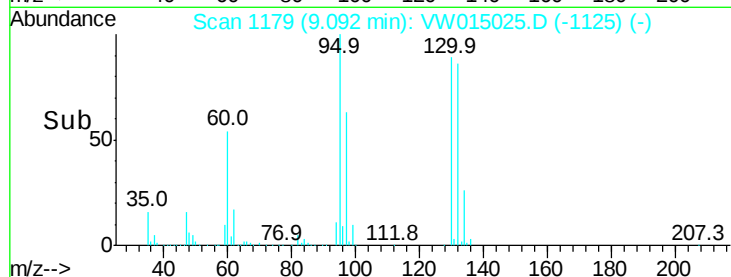


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 27.895 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

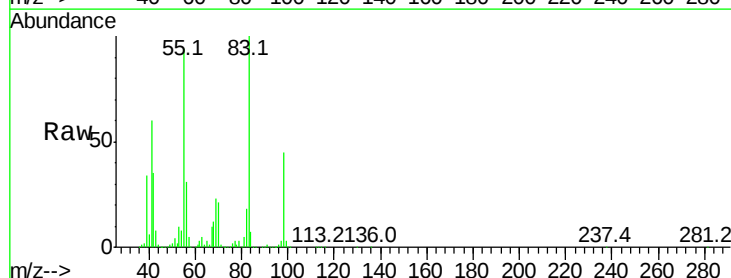
Tgt Ion: 83 Resp: 548429

Ion Ratio Lower Upper

83 100

55 95.8 68.0 102.0

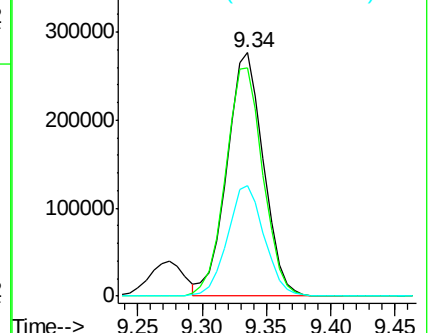
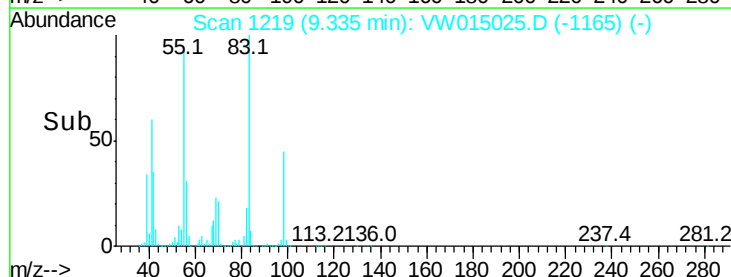
98 45.7 37.8 56.6

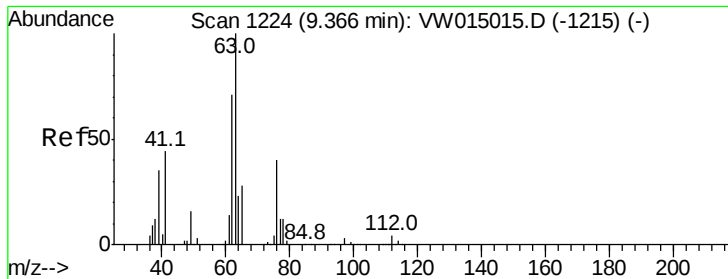


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

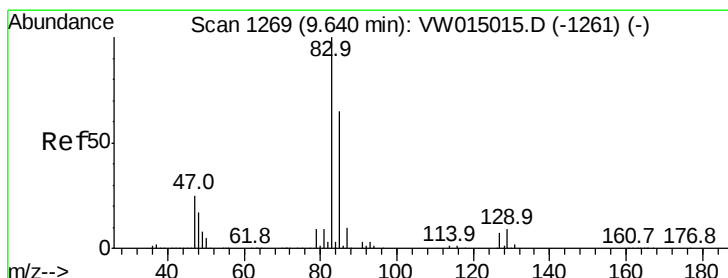
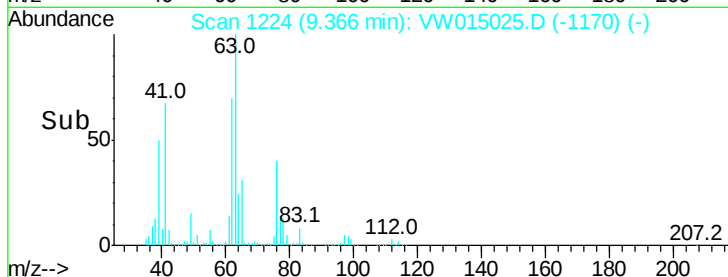
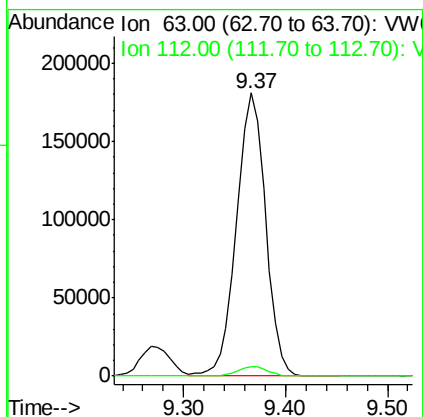
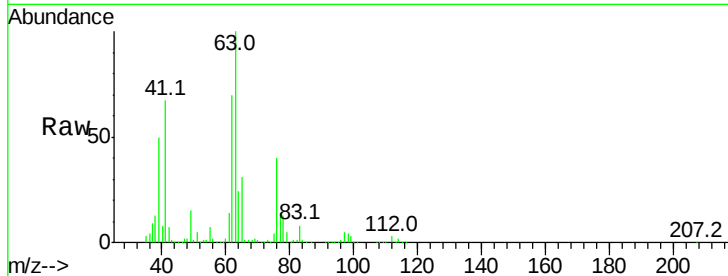




#40
 1,2-Dichloropropane
 Concen: 29.359 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015025.D
 Acq: 24 Feb 2020 11:01

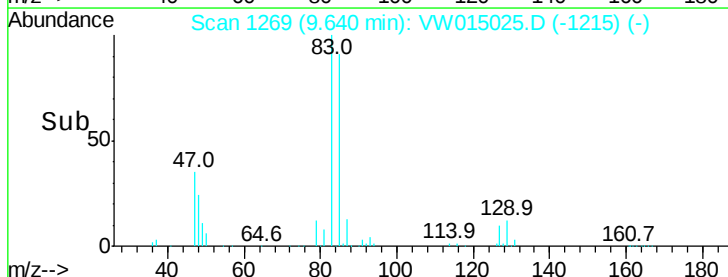
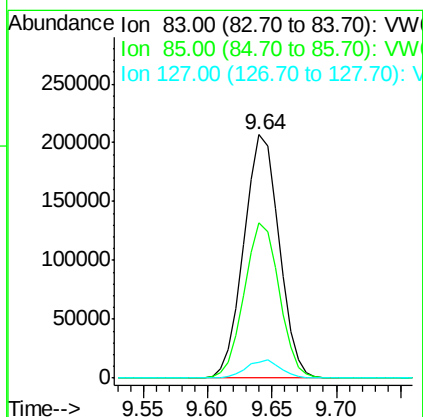
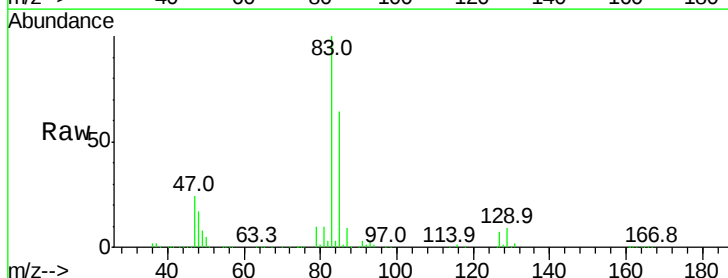
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

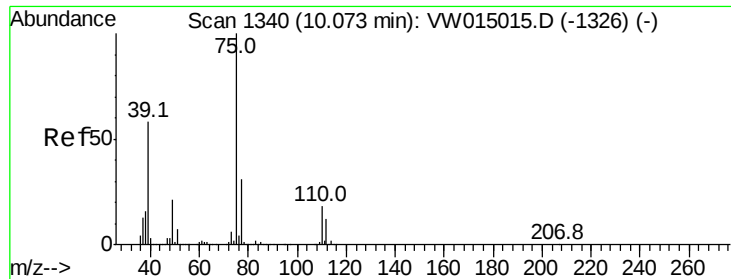
Tgt Ion: 63 Resp: 357731
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.1 4.7



#41
 Bromodichloromethane
 Concen: 28.119 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW015025.D
 Acq: 24 Feb 2020 11:01

Tgt Ion: 83 Resp: 392659
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.2 82.0
 127 6.7 6.0 9.0





#42

cis-1,3-Dichloropropene

Concen: 27.618 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

Instrument :

MSVOA_W

ClientSampled :

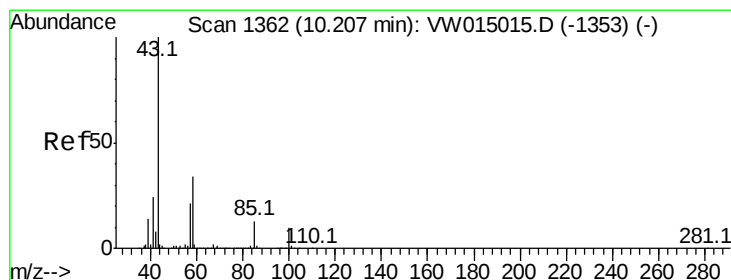
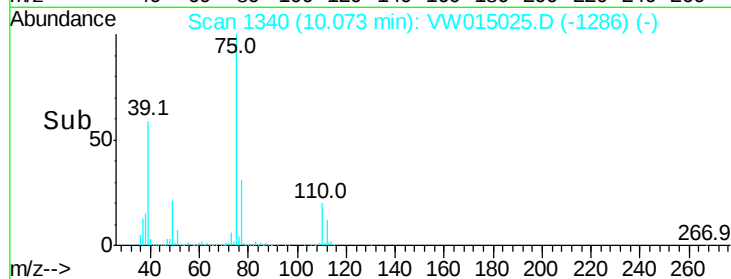
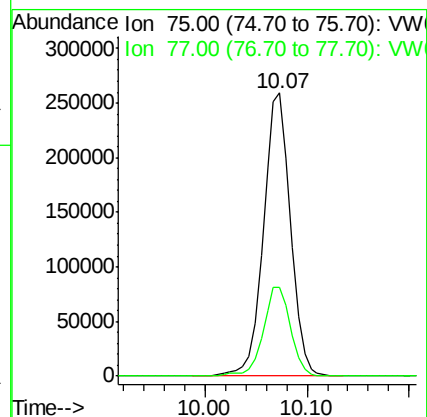
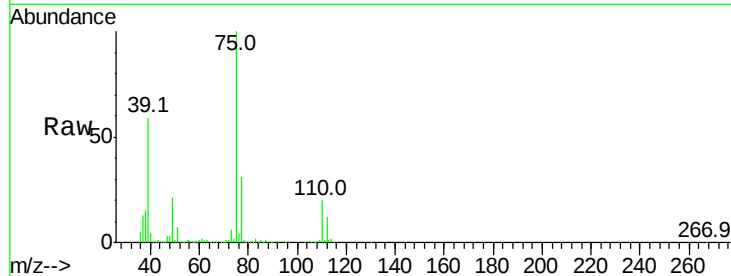
VSTD02503

Tgt Ion: 75 Resp: 477842

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.9



#43

4-Methyl-2-pentanone

Concen: 52.089 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

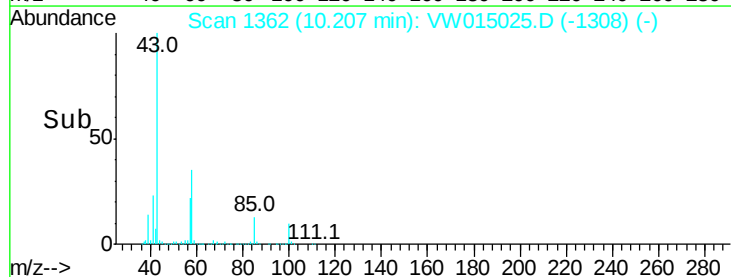
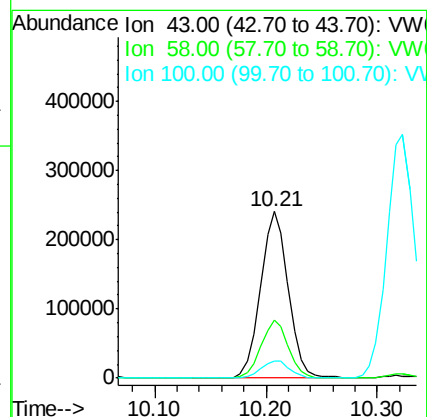
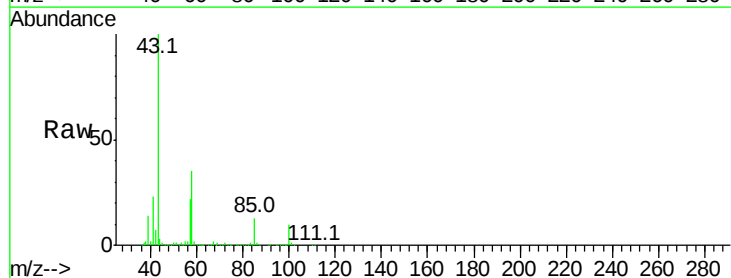
Tgt Ion: 43 Resp: 416174

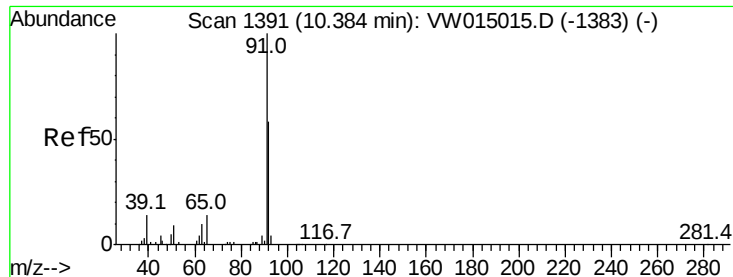
Ion Ratio Lower Upper

43 100

58 34.5 30.0 45.0

100 10.8 10.6 15.8





#44

Toluene

Concen: 28.380 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

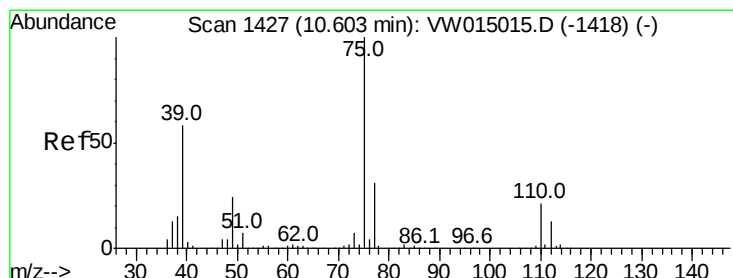
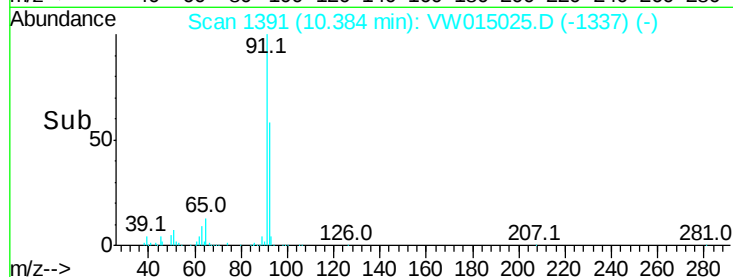
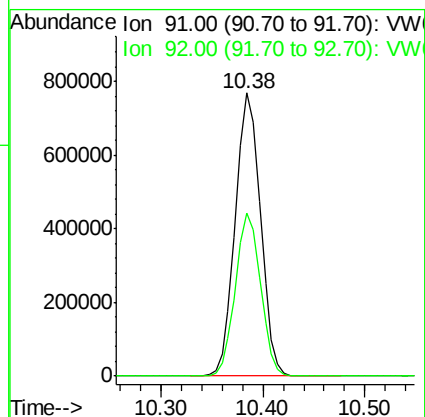
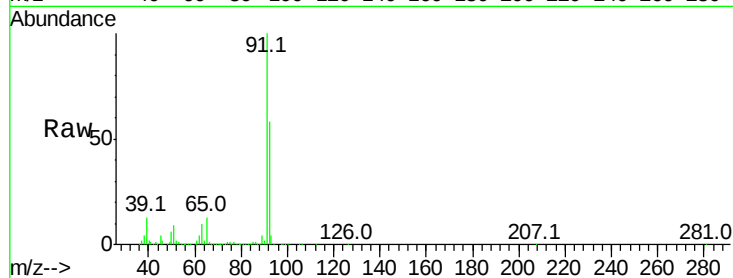
VSTD02503

Tgt Ion: 91 Resp: 1311835

Ion Ratio Lower Upper

91 100

92 57.8 41.4 77.0



#45

trans-1,3-Dichloropropene

Concen: 27.835 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015025.D

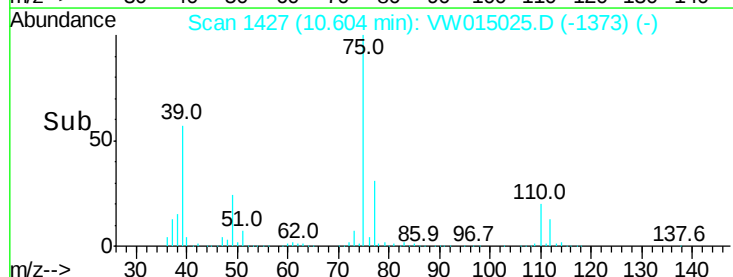
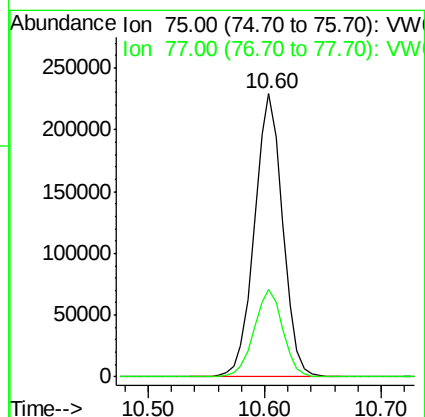
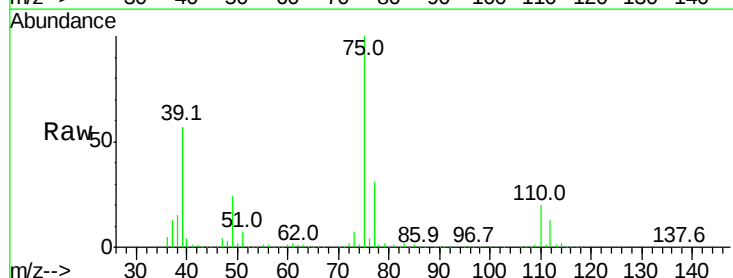
Acq: 24 Feb 2020 11:01

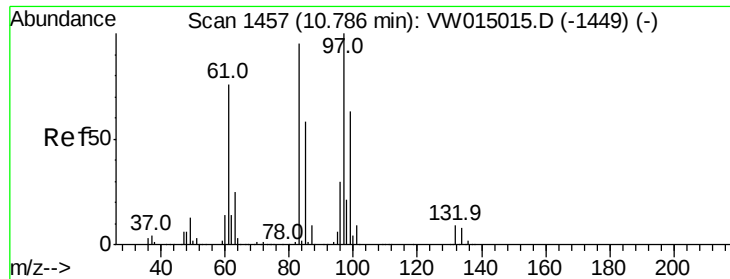
Tgt Ion: 75 Resp: 387826

Ion Ratio Lower Upper

75 100

77 30.9 21.8 40.6

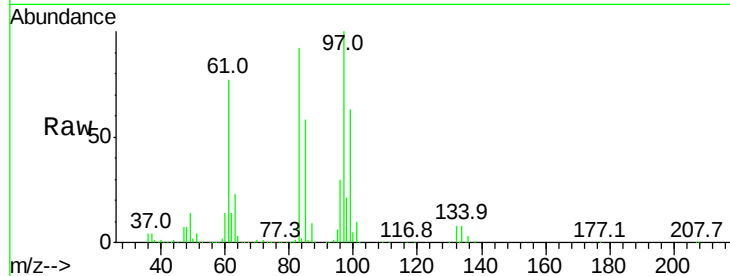




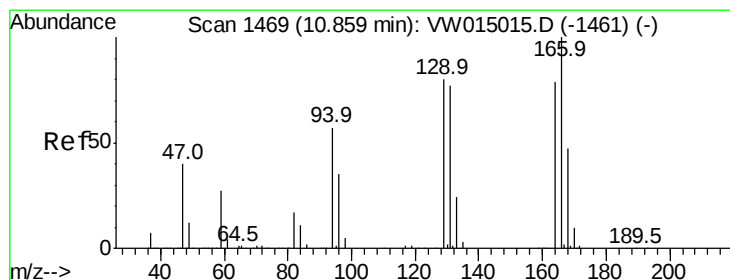
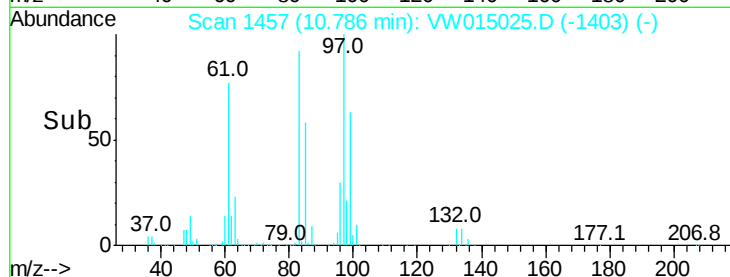
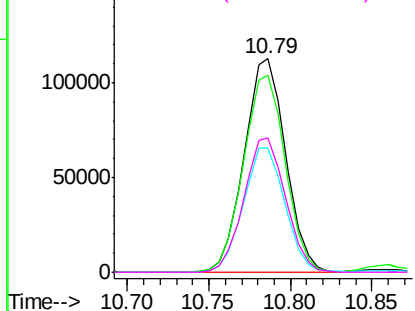
#46
 1,1,2-Trichloroethane
 Concen: 24.816 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015025.D
 Acq: 24 Feb 2020 11:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Tgt Ion: 97 Resp: 199055
 Ion Ratio Lower Upper
 97 100
 83 92.0 60.8 112.8
 85 58.4 39.9 74.1
 99 63.0 42.8 79.6

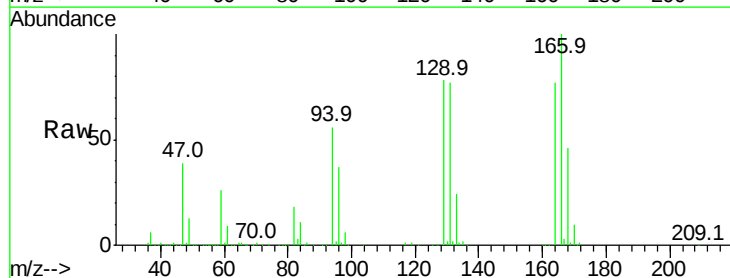


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

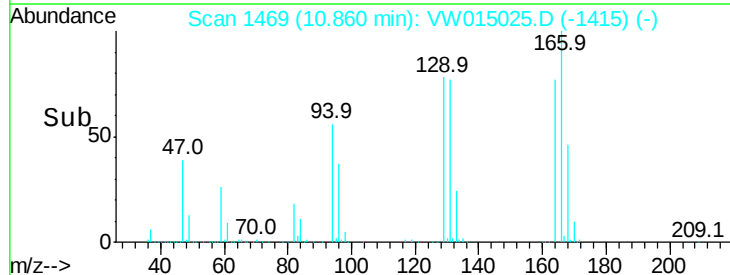
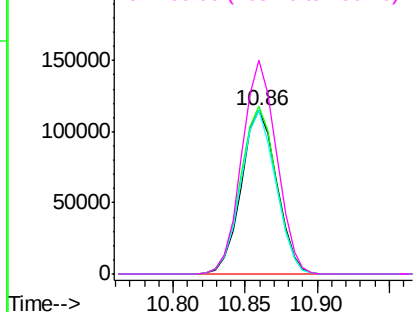


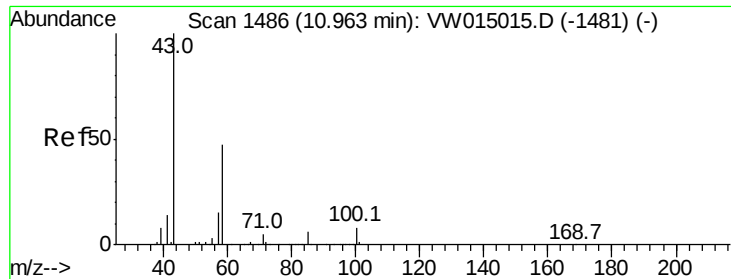
#47
 Tetrachloroethene
 Concen: 23.628 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW015025.D
 Acq: 24 Feb 2020 11:01

Tgt Ion: 164 Resp: 195946
 Ion Ratio Lower Upper
 164 100
 129 102.4 67.5 125.4
 131 100.2 64.0 119.0
 166 130.5 87.0 161.6



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: 55.461 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

Instrument :

MSVOA_W

ClientSampled :

VSTD02503

Tgt Ion: 43 Resp: 311254

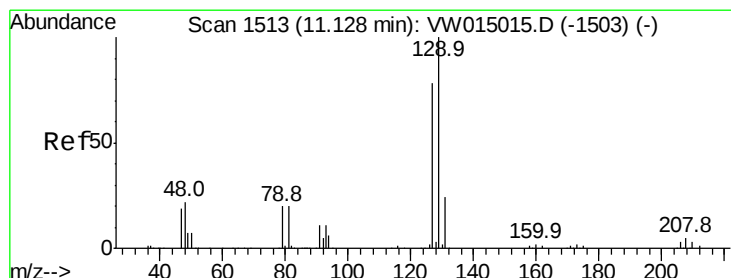
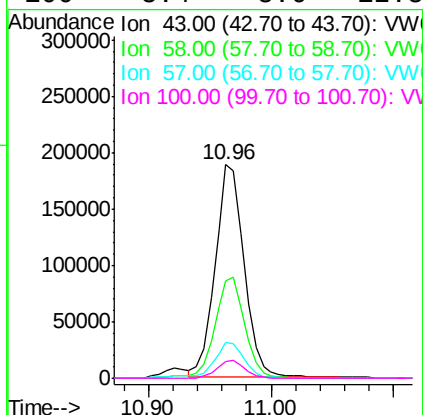
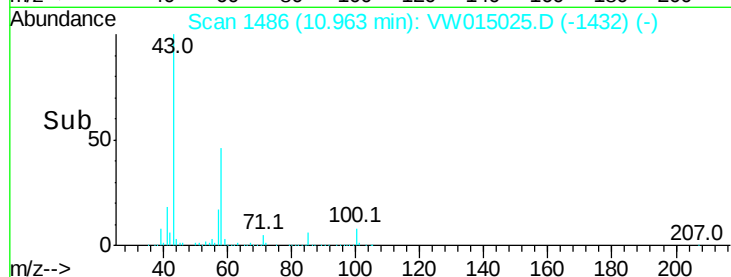
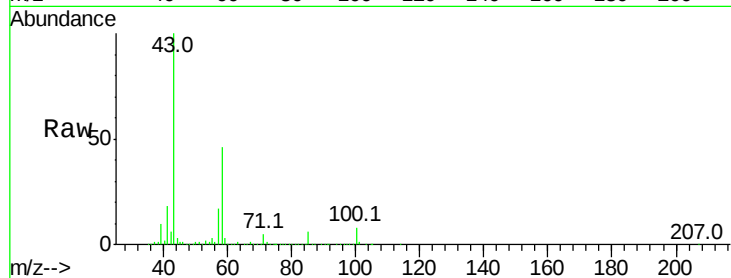
Ion Ratio Lower Upper

43 100

58 48.6 42.2 63.2

57 16.8 14.5 21.7

100 8.4 8.6 12.8#



#50

Dibromochloromethane

Concen: 24.617 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015025.D

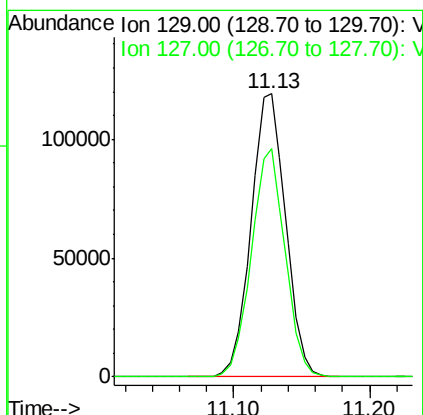
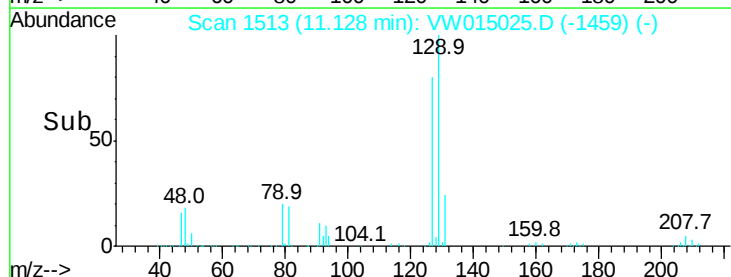
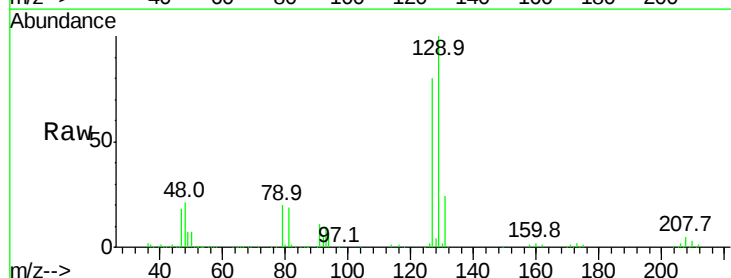
Acq: 24 Feb 2020 11:01

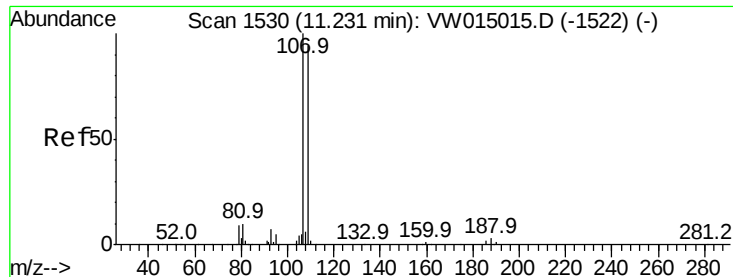
Tgt Ion: 129 Resp: 212214

Ion Ratio Lower Upper

129 100

127 80.5 54.1 100.5





#51

1,2-Dibromoethane

Concen: 23.567 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

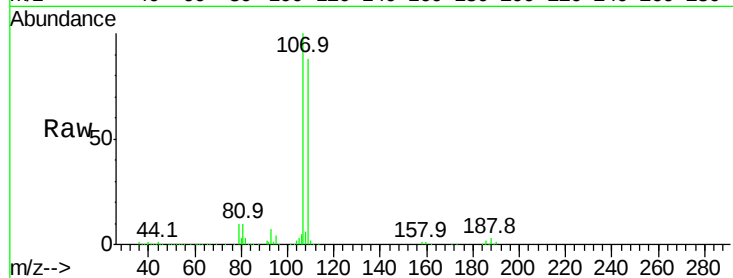
Tgt Ion:107 Resp: 175887

Ion Ratio Lower Upper

107 100

109 88.4 65.0 120.6

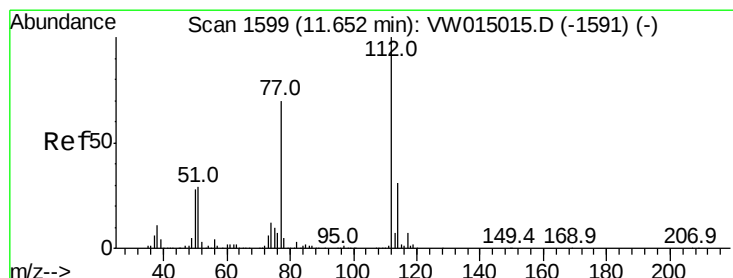
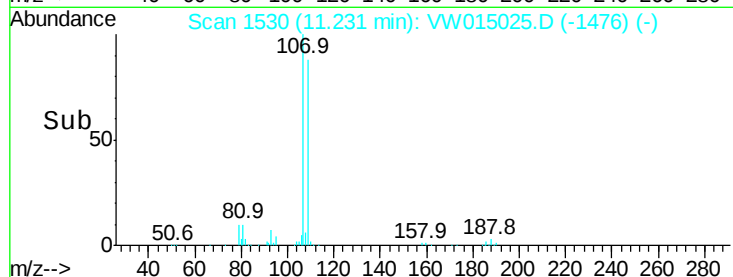
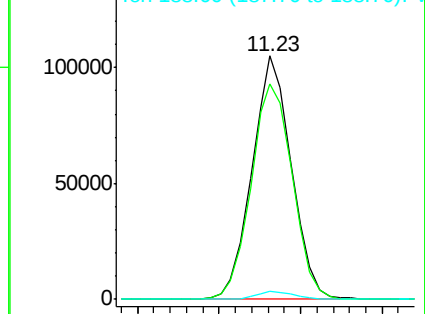
188 3.1 2.4 3.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.540 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

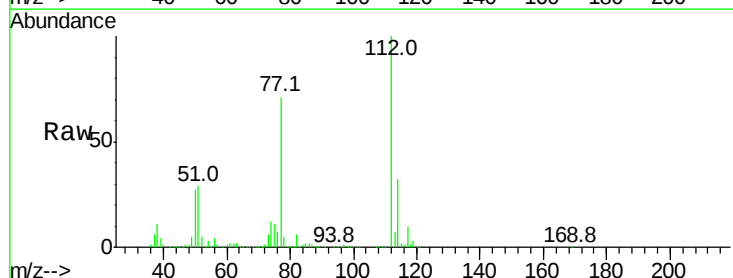
Tgt Ion:112 Resp: 721770

Ion Ratio Lower Upper

112 100

77 71.3 49.9 74.9

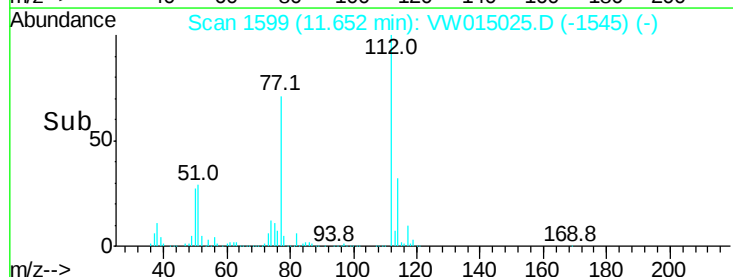
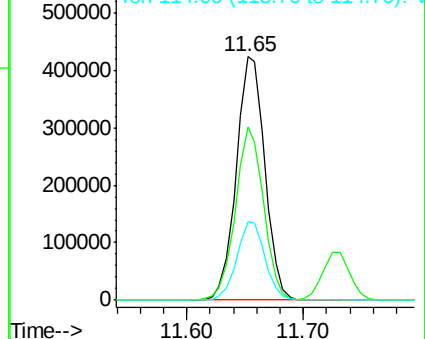
114 32.2 22.7 42.1

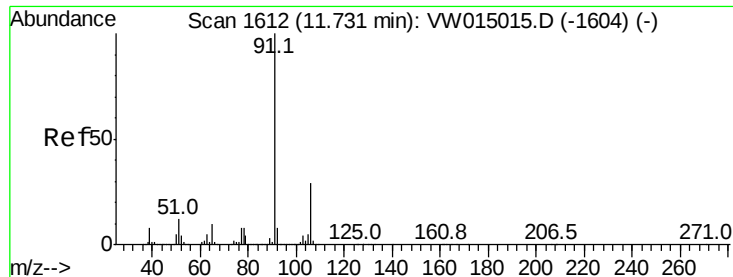


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 27.800 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

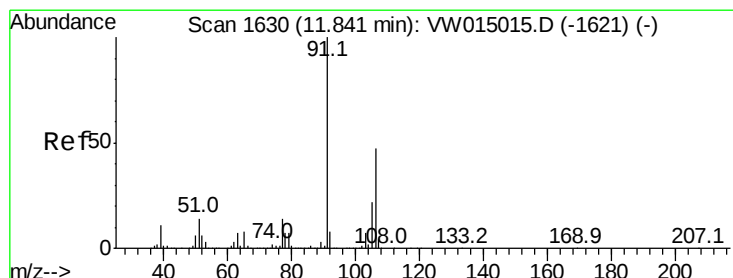
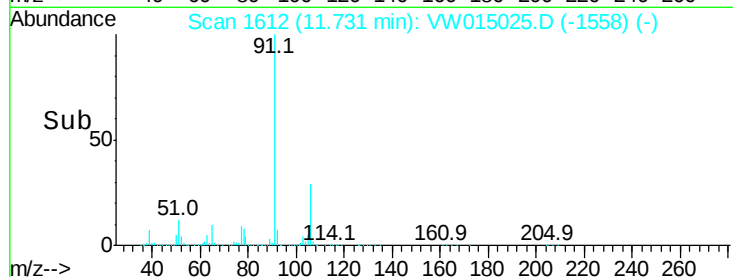
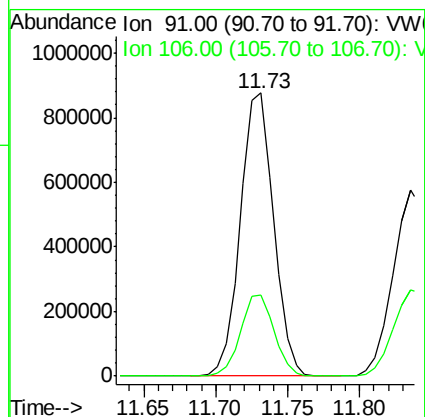
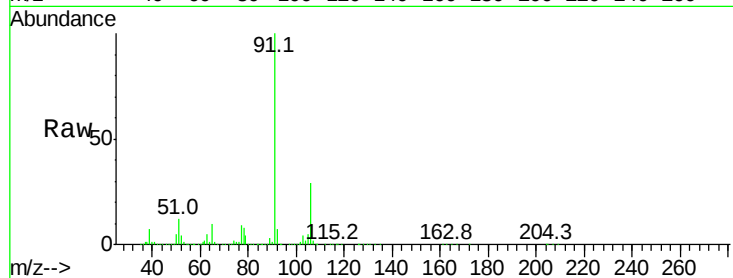
VSTD02503

Tgt Ion: 91 Resp: 1405808

Ion Ratio Lower Upper

91 100

106 28.7 21.5 39.9



#54

m,p-Xylene

Concen: 27.230 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW015025.D

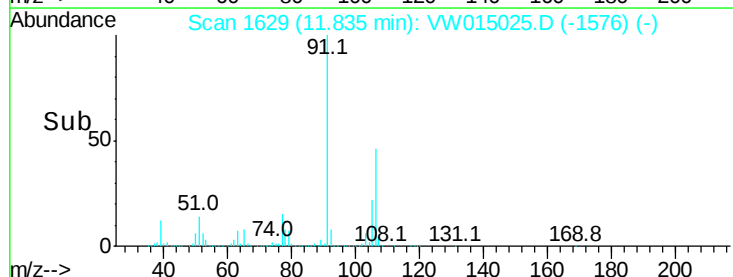
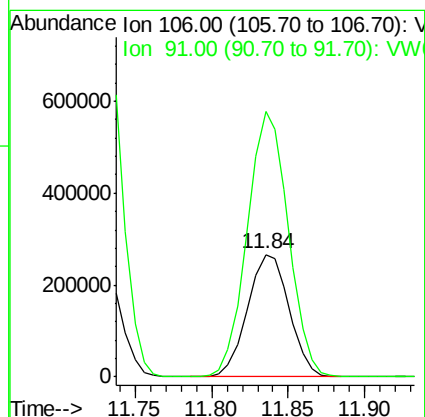
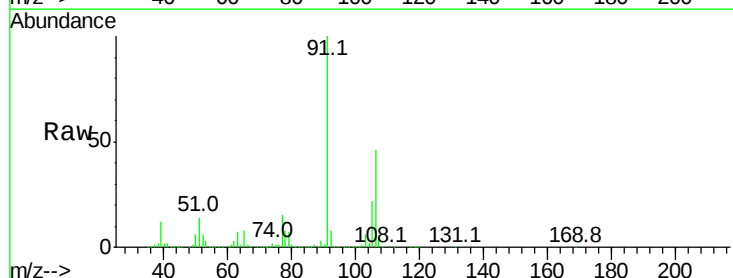
Acq: 24 Feb 2020 11:01

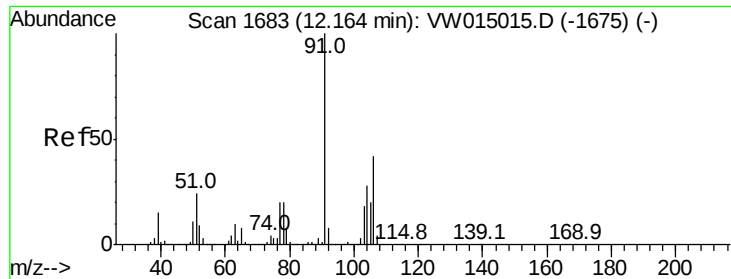
Tgt Ion: 106 Resp: 502963

Ion Ratio Lower Upper

106 100

91 216.3 143.4 266.4





#55

o-xylene

Concen: 26.476 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

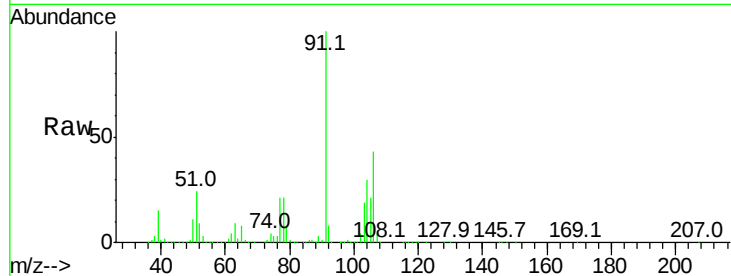
VSTD02503

Tgt Ion:106 Resp: 465438

Ion Ratio Lower Upper

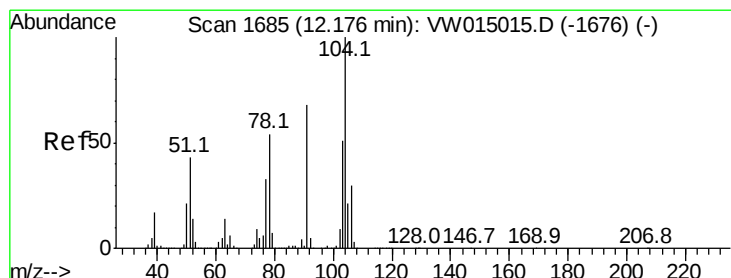
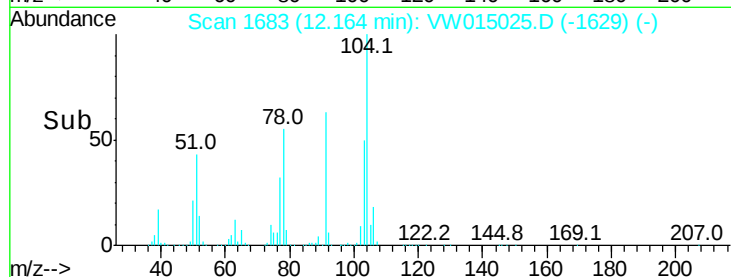
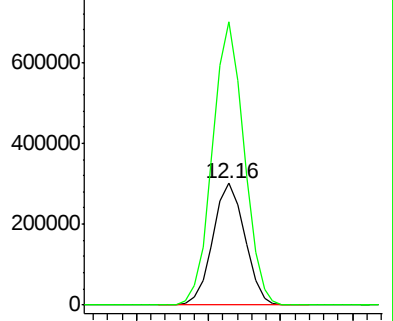
106 100

91 232.2 155.0 287.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.505 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW015025.D

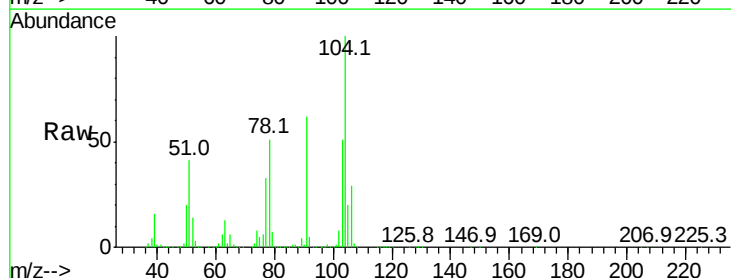
Acq: 24 Feb 2020 11:01

Tgt Ion:104 Resp: 817194

Ion Ratio Lower Upper

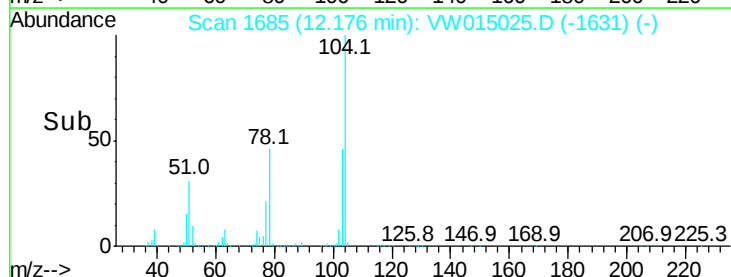
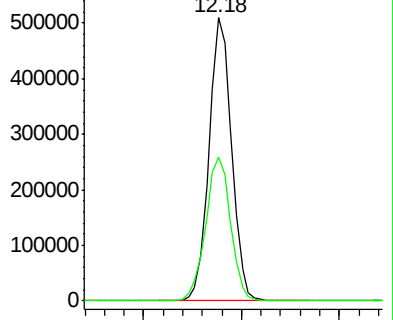
104 100

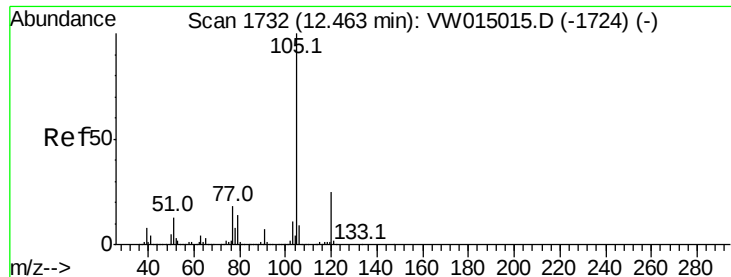
78 50.8 33.8 62.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.943 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

Instrument :

MSVOA_W

ClientSampled :

VSTD02503

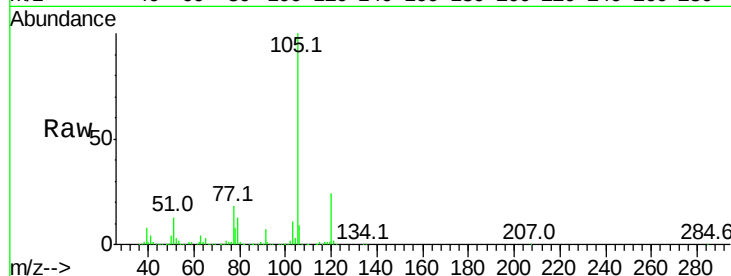
Tgt Ion:105 Resp: 1272042

Ion Ratio Lower Upper

105 100

120 24.8 20.4 30.6

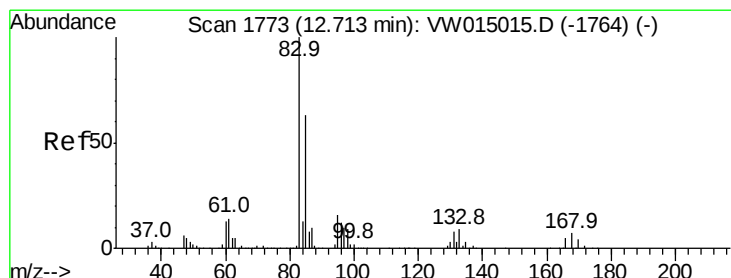
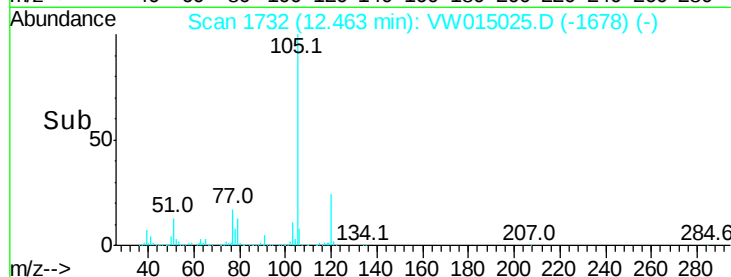
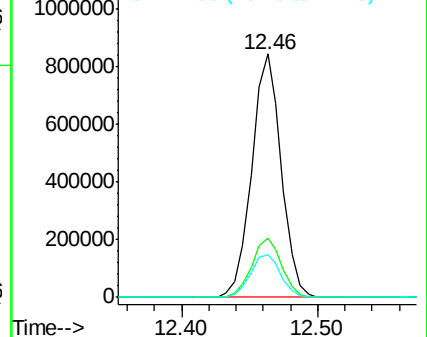
77 18.0 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.126 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

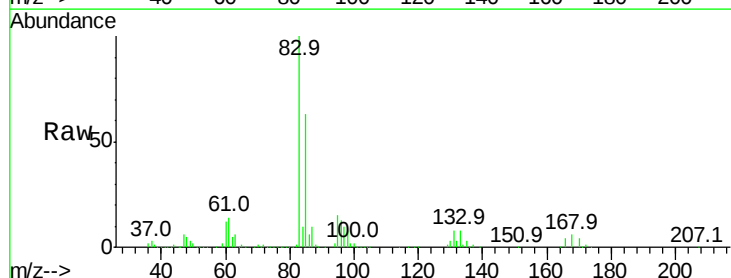
Tgt Ion: 83 Resp: 251555

Ion Ratio Lower Upper

83 100

85 63.1 45.9 85.3

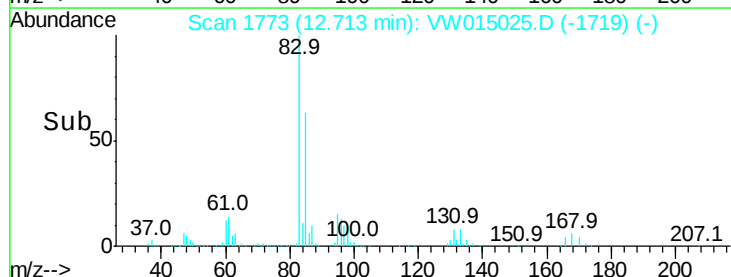
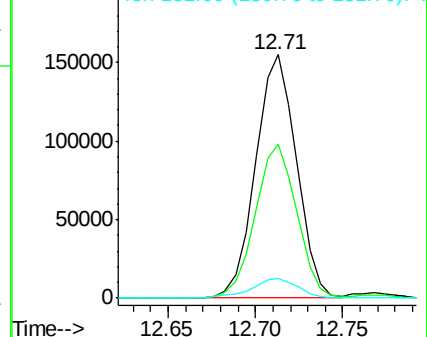
131 7.9 7.3 10.9

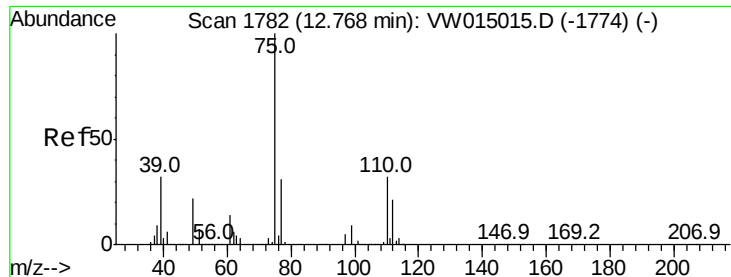


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.182 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

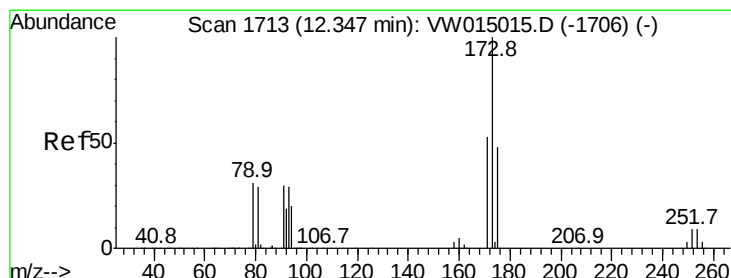
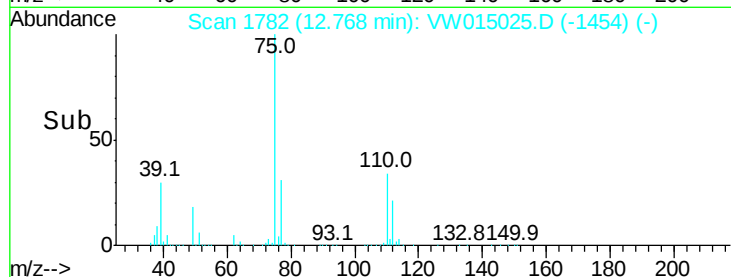
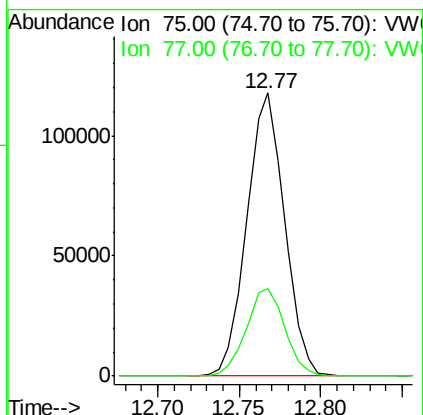
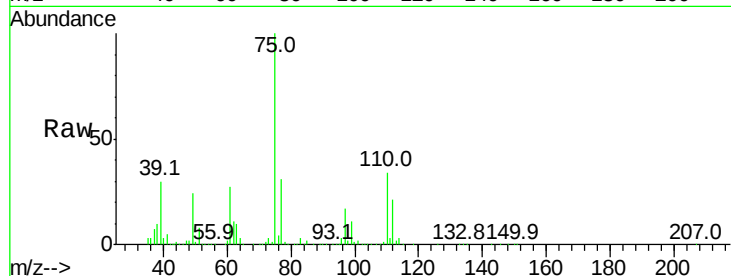
VSTD02503

Tgt Ion: 75 Resp: 189680

Ion Ratio Lower Upper

75 100

77 31.7 25.9 38.9



#62

Bromoform

Concen: 23.529 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

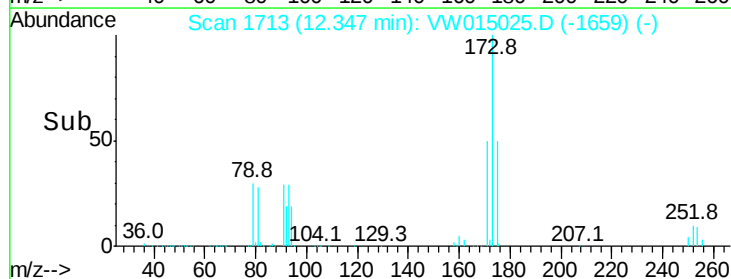
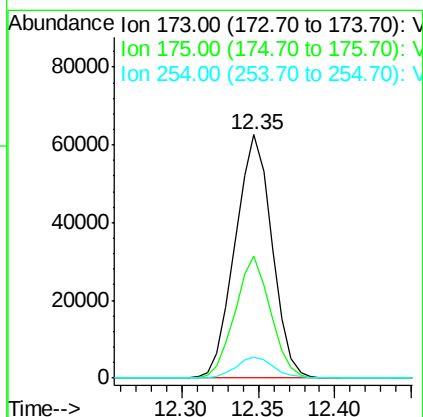
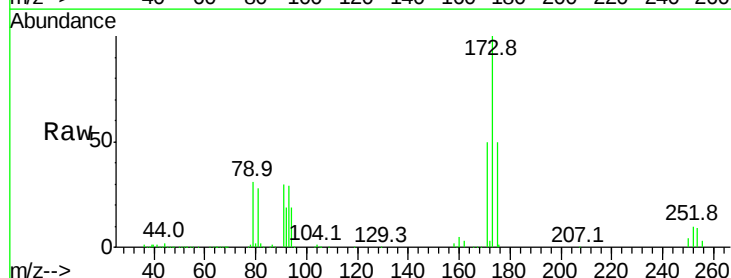
Tgt Ion: 173 Resp: 104495

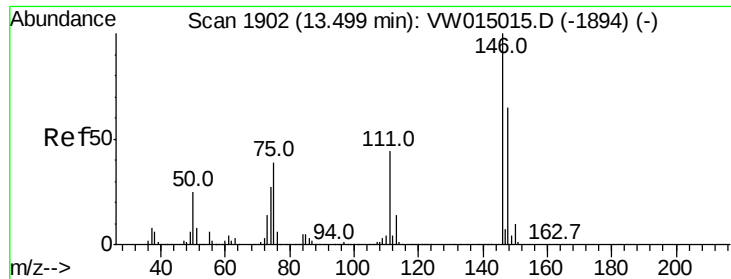
Ion Ratio Lower Upper

173 100

175 48.4 38.9 58.3

254 8.7 7.8 11.8

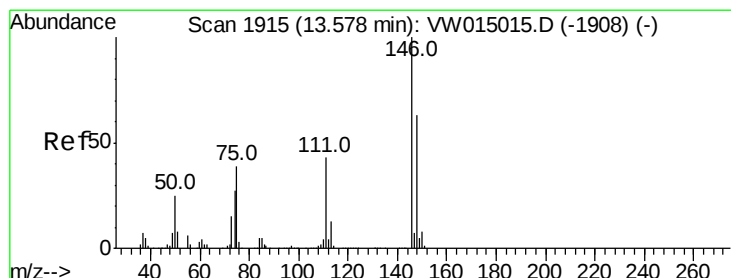
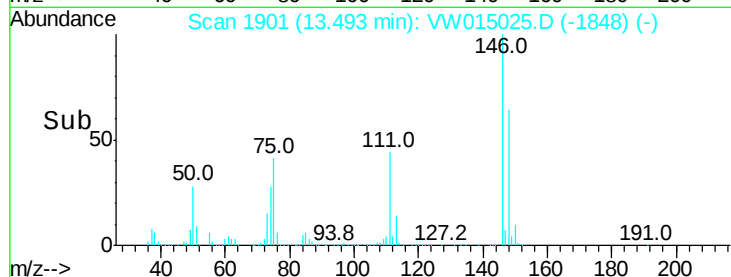
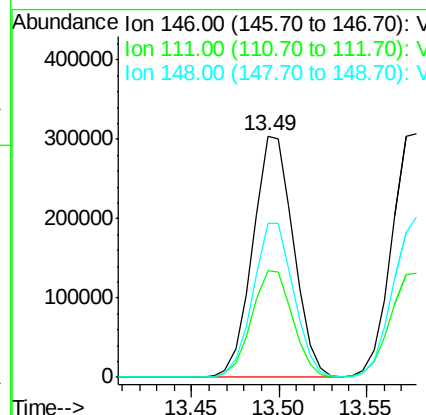
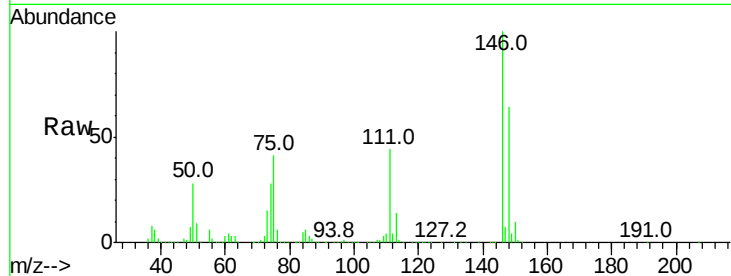




#63
 1,3-Dichlorobenzene
 Concen: 24.960 ug/L
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW015025.D
 Acq: 24 Feb 2020 11:01

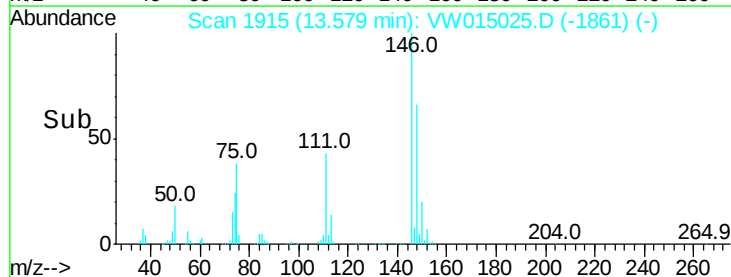
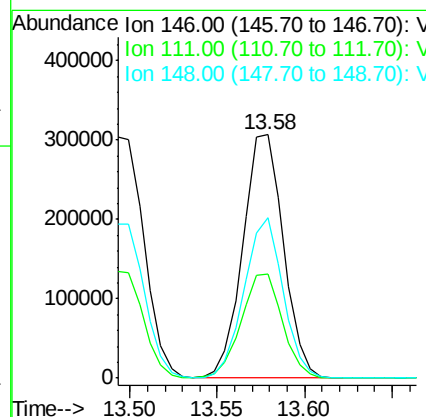
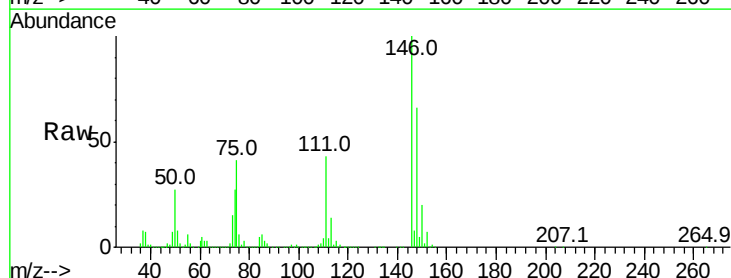
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

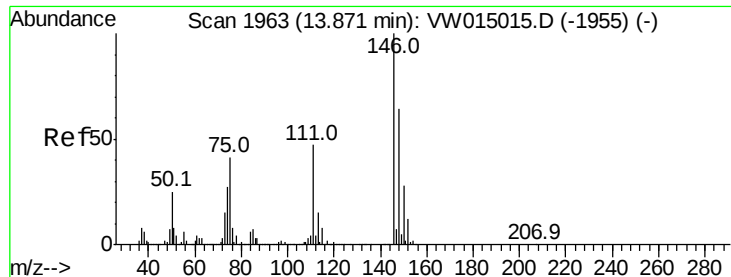
Tgt Ion:146 Resp: 491191
 Ion Ratio Lower Upper
 146 100
 111 44.1 28.6 53.0
 148 63.7 43.3 80.5



#64
 1,4-Dichlorobenzene
 Concen: 24.975 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015025.D
 Acq: 24 Feb 2020 11:01

Tgt Ion:146 Resp: 495087
 Ion Ratio Lower Upper
 146 100
 111 42.7 27.9 51.7
 148 65.8 44.0 81.8

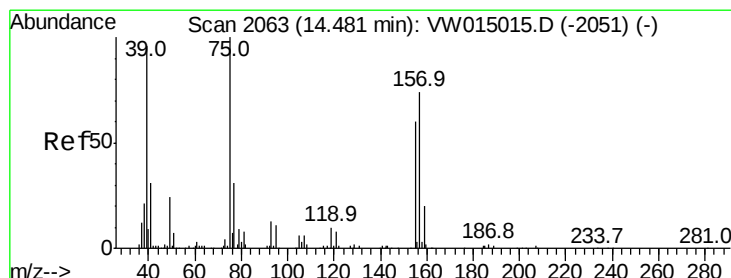
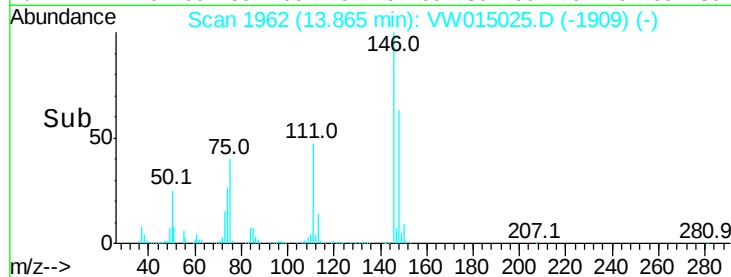
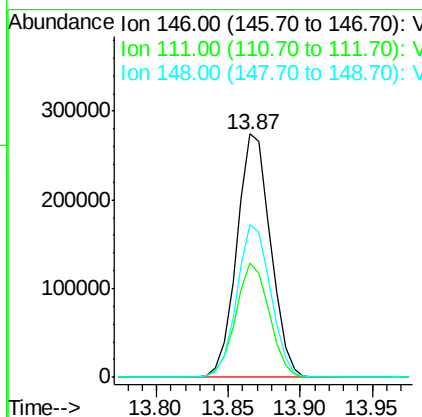
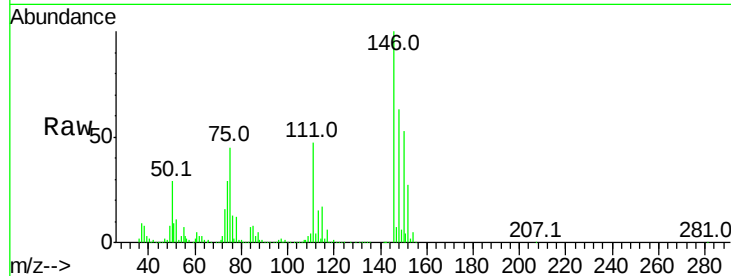




#65
 1,2-Dichlorobenzene
 Concen: 24.780 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015025.D
 Acq: 24 Feb 2020 11:01

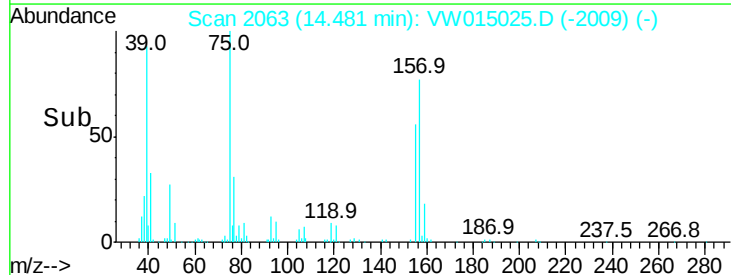
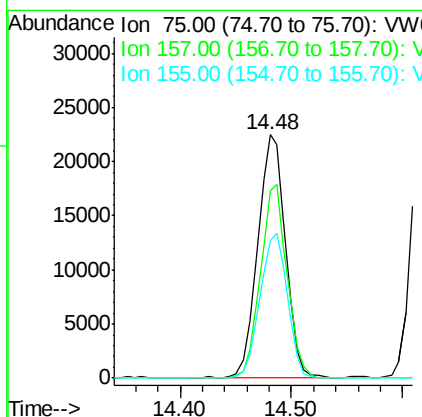
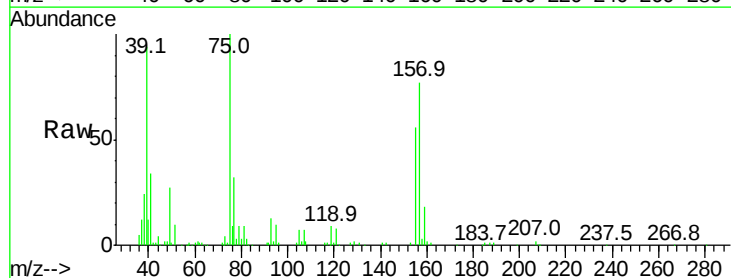
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

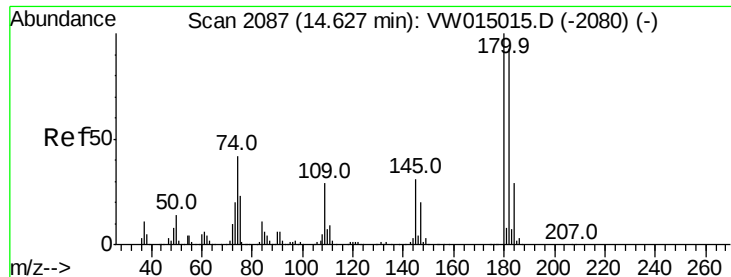
Tgt Ion: 146 Resp: 446029
 Ion Ratio Lower Upper
 146 100
 111 47.1 35.0 52.6
 148 62.5 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.441 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015025.D
 Acq: 24 Feb 2020 11:01

Tgt Ion: 75 Resp: 39046
 Ion Ratio Lower Upper
 75 100
 157 76.7 74.2 111.4
 155 56.3 56.1 84.1

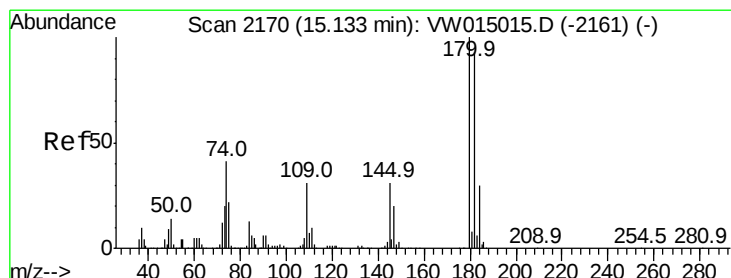
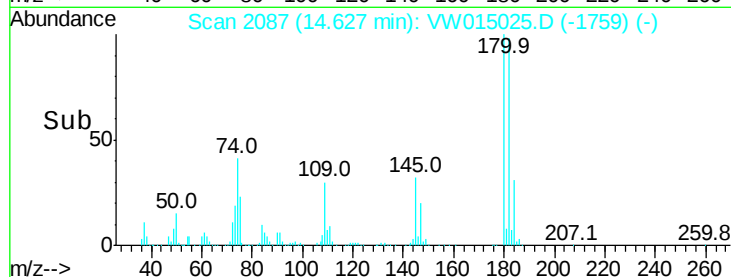
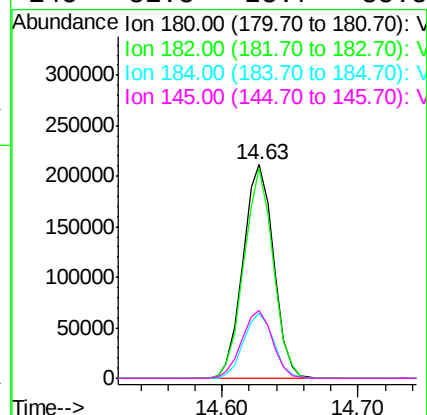
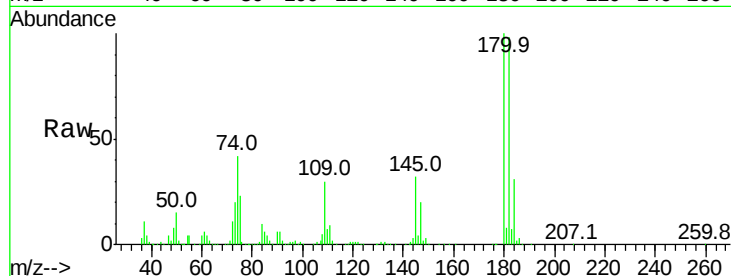




#67
 1,3,5-Trichlorobenzene
 Concen: 23.551 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015025.D
 Acq: 24 Feb 2020 11:01

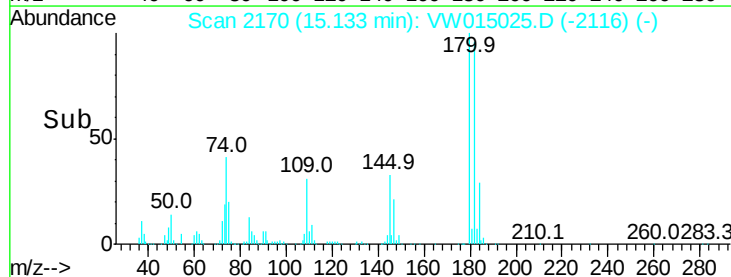
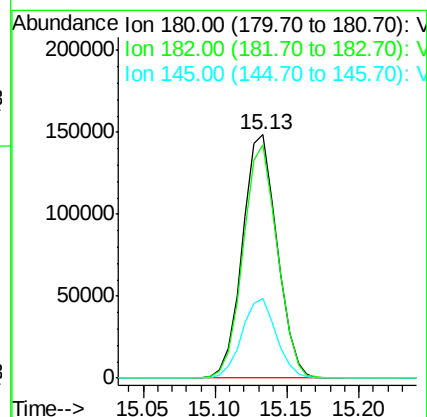
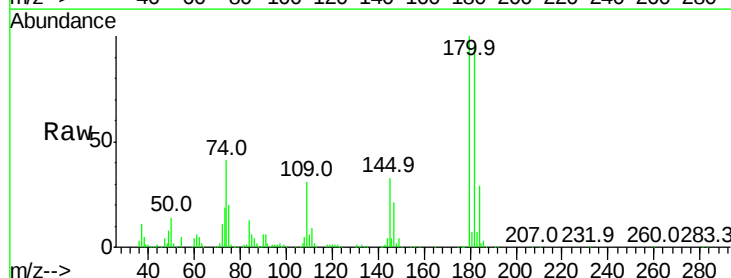
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

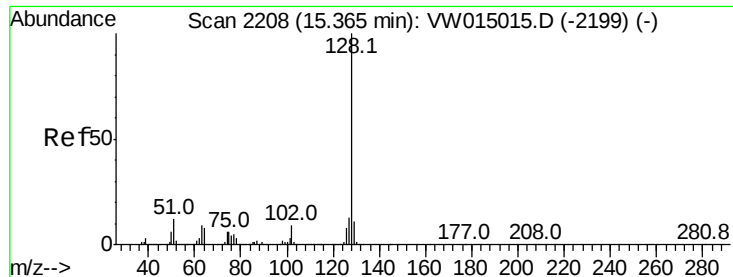
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	331927		
182	94.2	75.5	113.3	
184	29.9	24.6	36.8	
145	31.8	23.7	35.5	



#68
 1,2,4-trichlorobenzene
 Concen: 22.211 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015025.D
 Acq: 24 Feb 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	247337		
182	94.6	76.4	114.6	
145	32.4	24.6	37.0	





#69

Naphthalene

Concen: 10.001 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

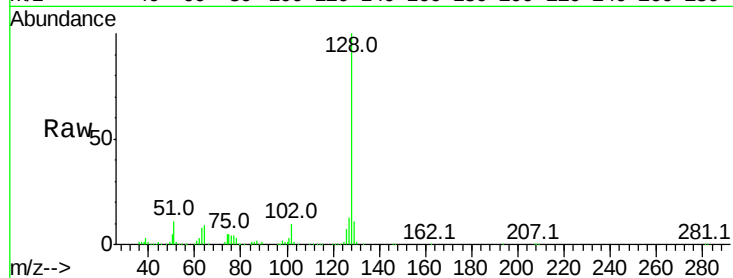
Tgt Ion:128 Resp: 219074

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

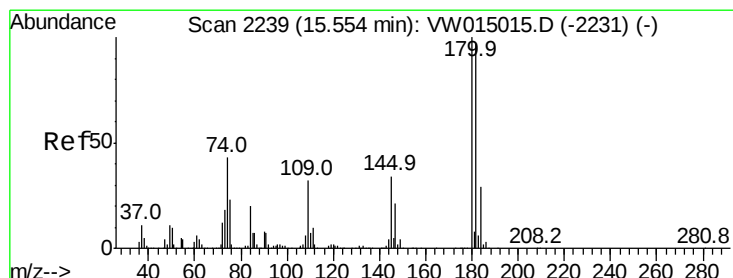
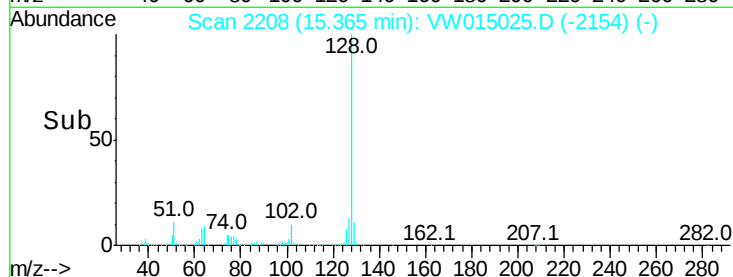
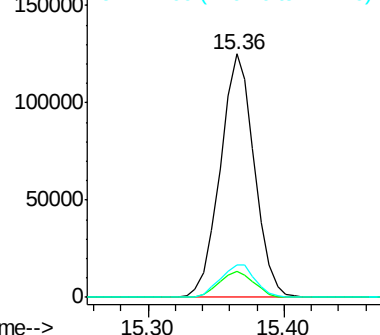
127 13.9 10.5 15.7



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: 22.212 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015025.D

Acq: 24 Feb 2020 11:01

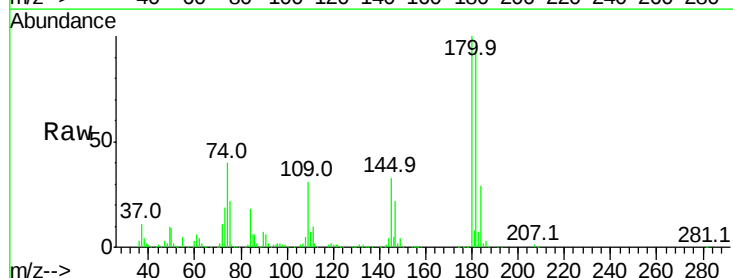
Tgt Ion:180 Resp: 228391

Ion Ratio Lower Upper

180 100

182 94.7 75.3 112.9

145 33.9 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

