

Data File : VW015386.D
Acq On : 04 May 2020 14:53
Operator : SY/VA
Sample : VSTD025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02504

Quant Time: May 04 15:20:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050420S.M
Quant Title : VOC Analysis
QLast Update : Mon May 04 15:08:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	365978	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	333265	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	161311	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	113275	42.51	ug/L	0.00
7) Chloroethane-d5	2.89	69	109321	35.24	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	225044	33.42	ug/L	0.00
20) 2-Butanone-d5	7.08	46	58766	71.76	ug/L	0.00
24) Chloroform-d	7.65	84	224491	27.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	126368	30.50	ug/L	0.00
29) Benzene-d6	8.27	84	453506	29.54	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	137059	31.91	ug/L	0.00
37) Toluene-d8	10.32	98	438424	27.98	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	63230	28.76	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	49527	63.14	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	102331	28.14	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	140168	25.00	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	73687	21.375	ug/L	97
3) Chloromethane	2.21	50	75044	26.587	ug/L	99
5) Vinyl chloride	2.37	62	124972	36.667	ug/L	98
6) Bromomethane	2.78	94	84832	26.481	ug/L	99
8) Chloroethane	2.93	64	85186	32.209	ug/L	97
9) Trichlorofluoromethane	3.26	101	91108	22.825	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	102577	24.339	ug/L	88
13) Acetone	4.12	43	42027	60.929	ug/L	90
14) Carbon disulfide	4.38	76	310249	27.605	ug/L	98
15) Methyl Acetate	4.67	43	46026	33.458	ug/L #	87
16) Methylene chloride	4.92	84	108306	23.238	ug/L	85
17) Methyl tert-butyl Ether	5.43	73	168851	27.732	ug/L	94
18) trans-1,2-Dichloroethene	5.42	96	110836	24.570	ug/L	86
19) 1,1-Dichloroethane	6.21	63	209370	29.799	ug/L	98
21) 2-Butanone	7.17	43	62131	59.555	ug/L	92
22) cis-1,2-Dichloroethene	7.17	96	120146	24.664	ug/L	84
23) Bromochloromethane	7.51	128	50165	21.449	ug/L #	75
25) Chloroform	7.68	83	209391	26.201	ug/L	99
27) 1,2-Dichloroethane	8.40	62	145569	28.721	ug/L	96
30) Cyclohexane	7.96	56	205798	32.255	ug/L	86
31) 1,1,1-Trichloroethane	7.87	97	180875	25.227	ug/L	95
32) Carbon tetrachloride	8.07	117	161813	23.340	ug/L	99
34) Benzene	8.32	78	474926	27.804	ug/L	100
35) Trichloroethene	9.09	95	125394	25.517	ug/L	90
36) Methylcyclohexane	9.34	83	222521	26.861	ug/L #	89
40) 1,2-Dichloropropane	9.37	63	117839	30.400	ug/L #	96
41) Bromodichloromethane	9.64	83	156113	26.311	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	192860	28.417	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	148449	56.791	ug/L #	91
44) Toluene	10.39	91	519375	26.200	ug/L	98

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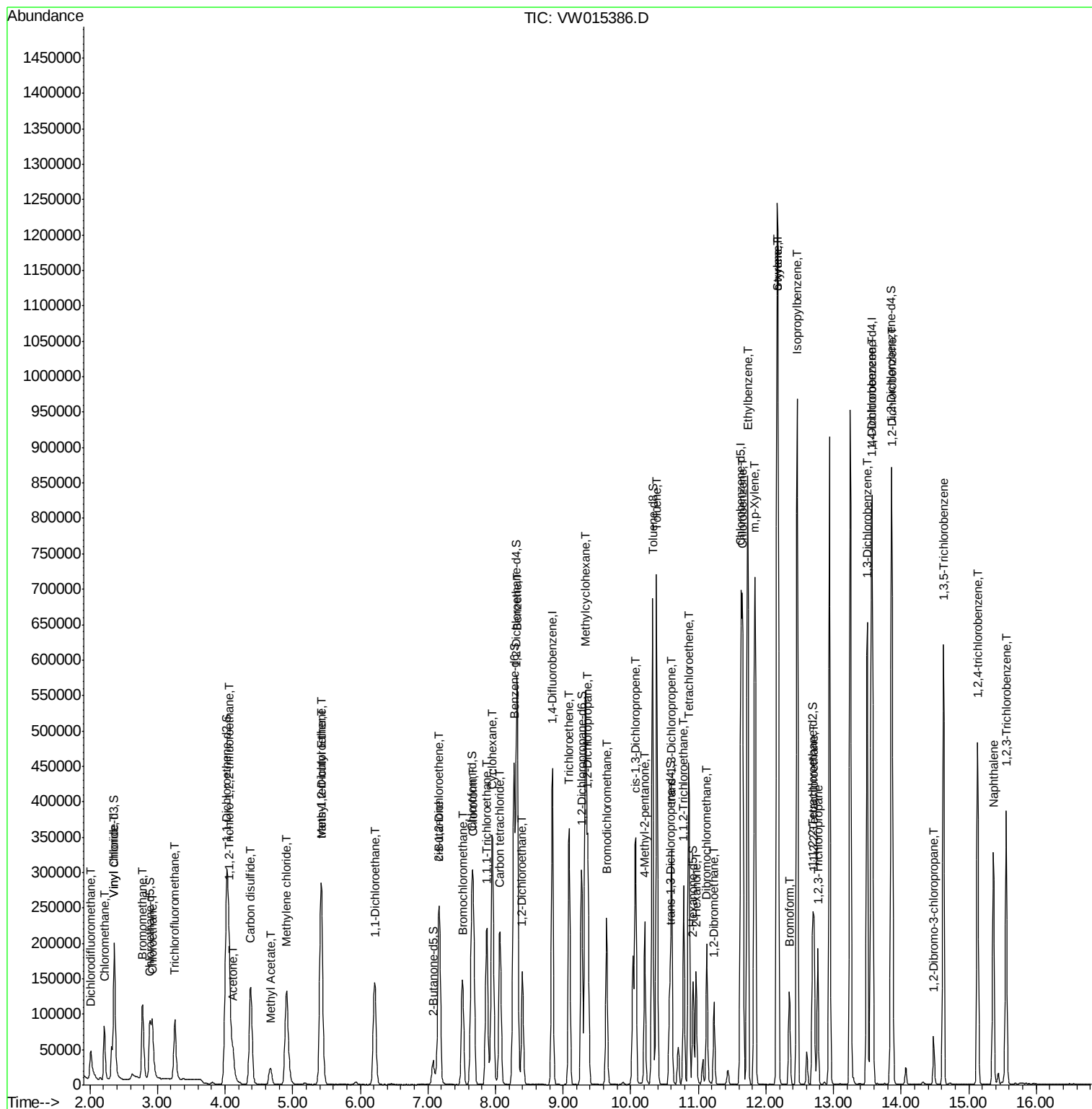
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.60	75	167847	27.824	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	82302	24.738	ug/L	96
47) Tetrachloroethene	10.86	164	96168	20.513	ug/L	94
49) 2-Hexanone	10.97	43	100733	70.387	ug/L #	92
50) Dibromochloromethane	11.13	129	99546	22.125	ug/L	99
51) 1,2-Dibromoethane	11.23	107	79310	23.910	ug/L #	99
52) Chlorobenzene	11.66	112	324572	24.295	ug/L	93
53) Ethylbenzene	11.73	91	605147	26.394	ug/L	95
54) m,p-Xylene	11.84	106	226168	24.920	ug/L	96
55) o-xylene	12.16	106	217128	24.937	ug/L	96
56) Styrene	12.18	104	372383	25.474	ug/L	95
57) Isopropylbenzene	12.46	105	604539	25.499	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.71	83	98527	26.626	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	74199	27.494	ug/L	99
62) Bromoform	12.35	173	56760	21.411	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	253879	24.768	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	249941	24.646	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	223232	24.259	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	17560	29.166	ug/L #	76
67) 1,3,5-Trichlorobenzene	14.63	180	175276	22.120	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	141629	21.747	ug/L	98
69) Naphthalene	15.36	128	270759	24.868	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	123807	22.015	ug/L	99

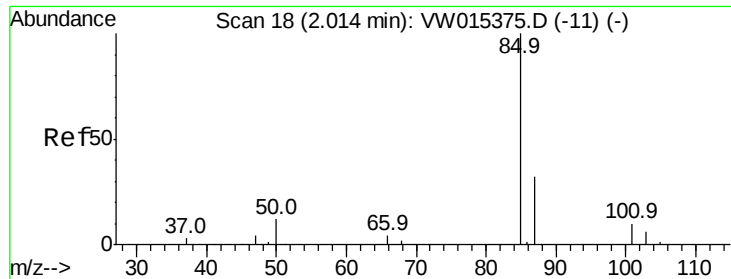
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.375 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

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Acq: 04 May 2020 14:53

Instrument :

MSVOA_W

ClientSampleId :

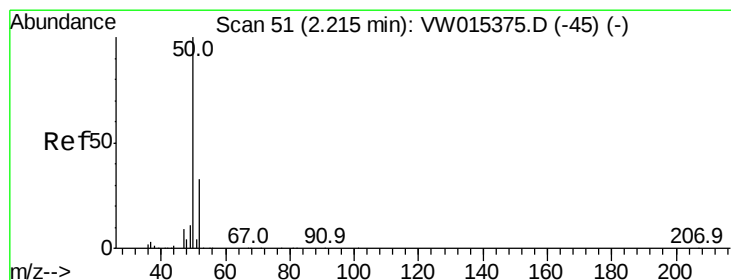
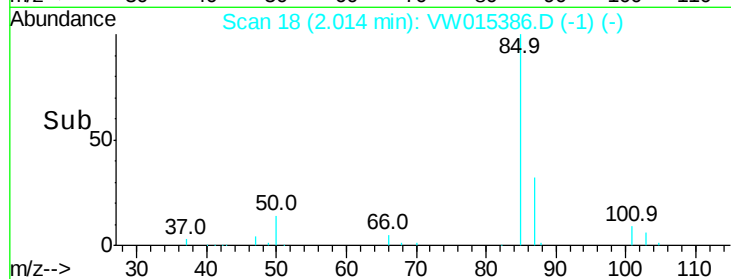
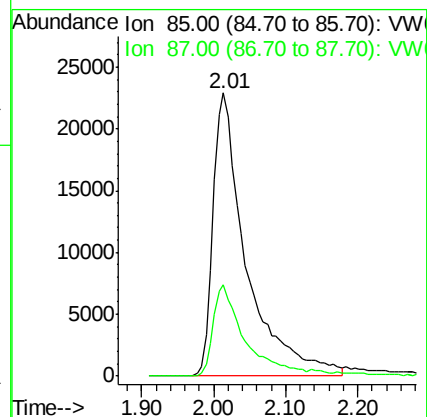
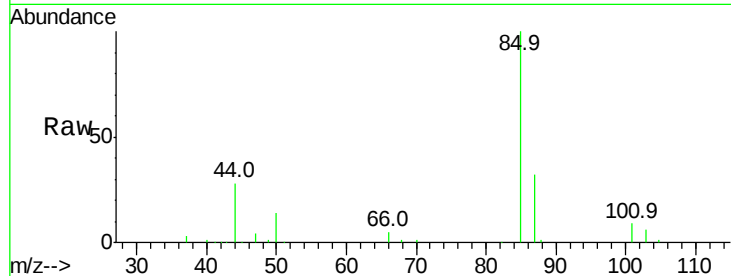
VSTD02504

Tgt Ion: 85 Resp: 73687

Ion Ratio Lower Upper

85 100

87 30.4 22.5 41.9



#3

Chloromethane

Concen: 26.587 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015386.D

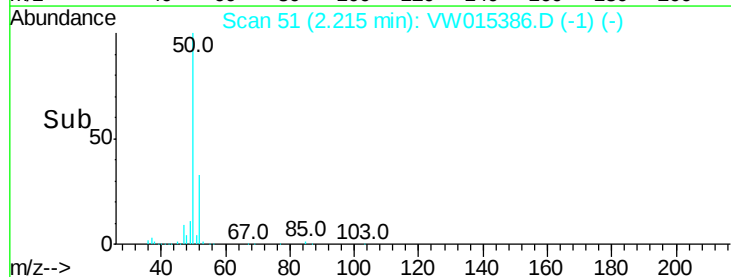
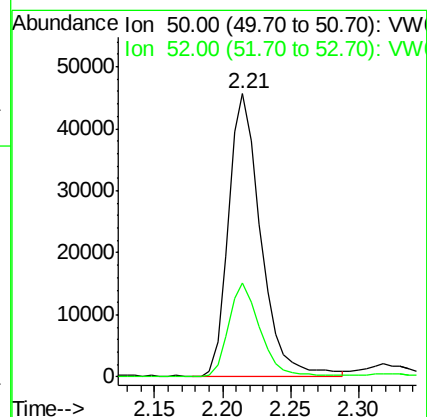
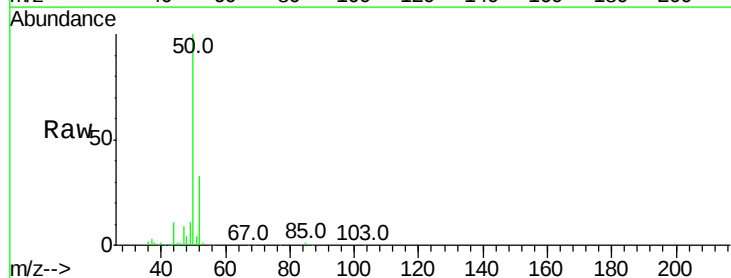
Acq: 04 May 2020 14:53

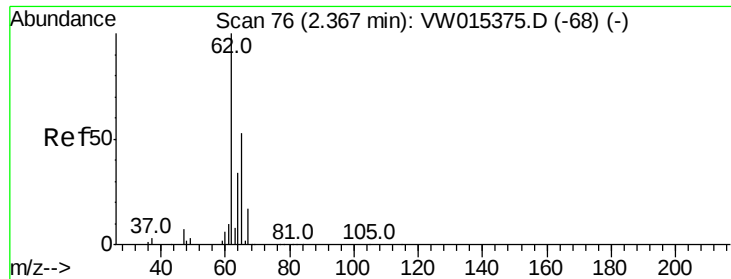
Tgt Ion: 50 Resp: 75044

Ion Ratio Lower Upper

50 100

52 33.1 23.6 43.8





#5

Vinyl chloride

Concen: 36.667 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Instrument :

MSVOA_W

ClientSampleId :

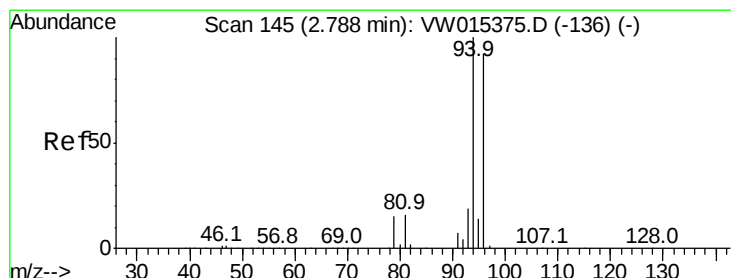
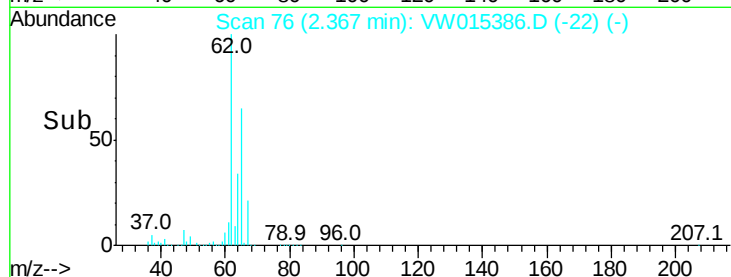
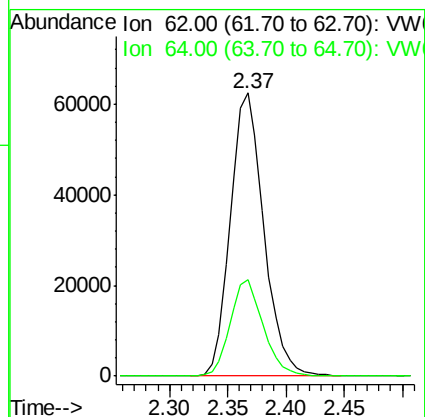
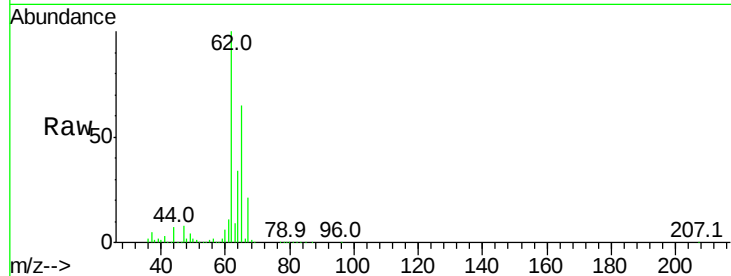
VSTD02504

Tgt Ion: 62 Resp: 124972

Ion Ratio Lower Upper

62 100

64 33.9 24.6 45.8



#6

Bromomethane

Concen: 26.481 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015386.D

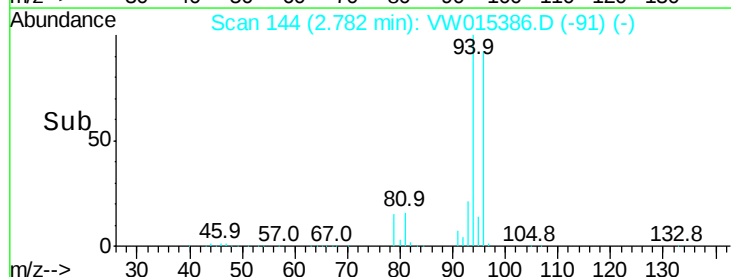
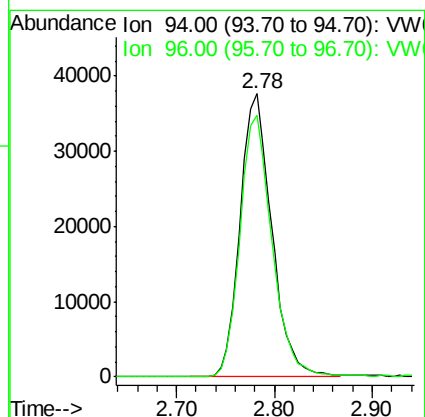
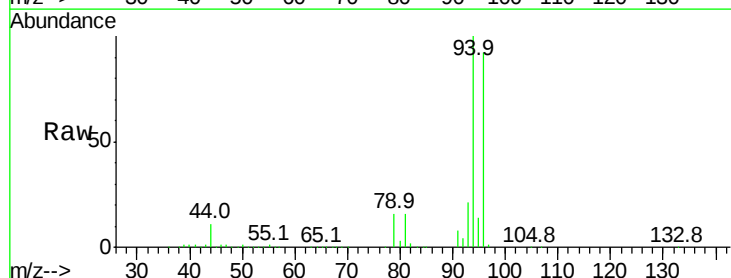
Acq: 04 May 2020 14:53

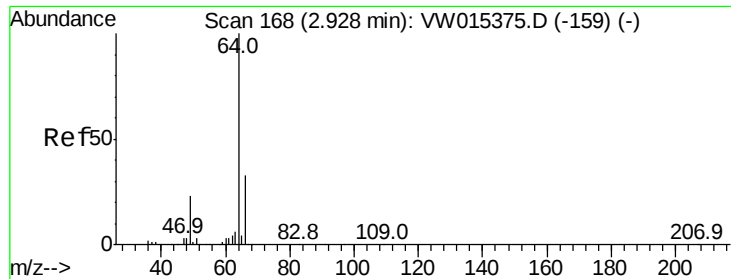
Tgt Ion: 94 Resp: 84832

Ion Ratio Lower Upper

94 100

96 93.5 9.5 180.1





#8

Chloroethane

Concen: 32.209 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Instrument :

MSVOA_W

ClientSampleId :

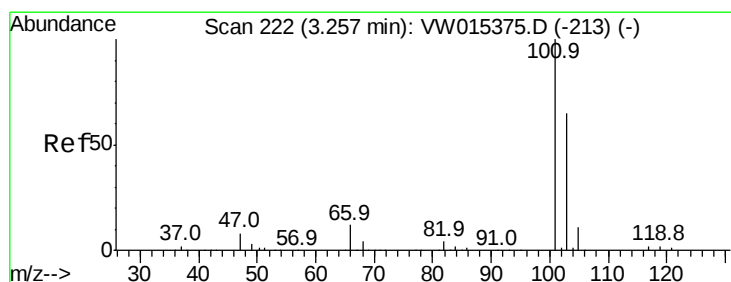
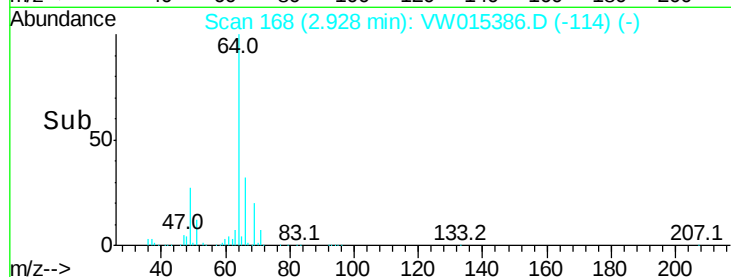
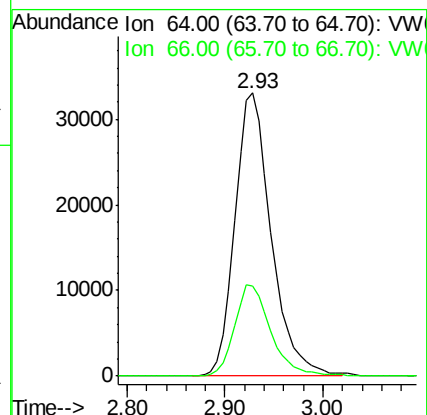
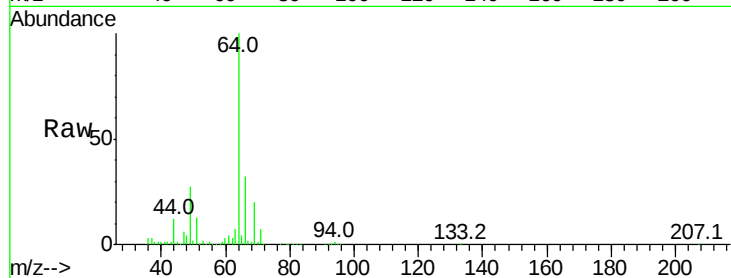
VSTD02504

Tgt Ion: 64 Resp: 85186

Ion Ratio Lower Upper

64 100

66 31.8 23.5 43.7



#9

Trichlorofluoromethane

Concen: 22.825 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW015386.D

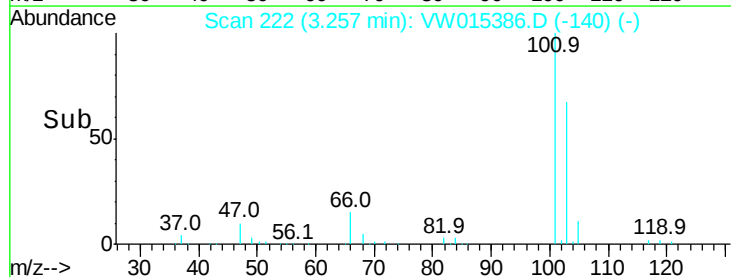
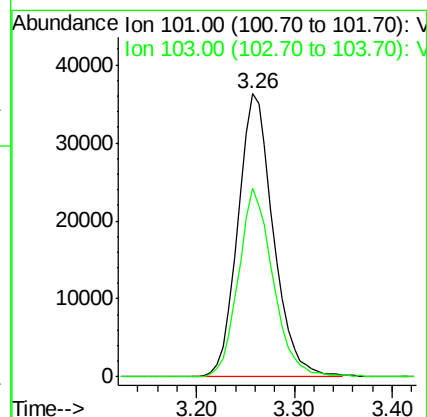
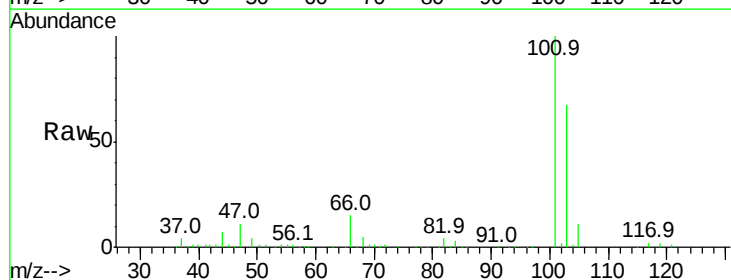
Acq: 04 May 2020 14:53

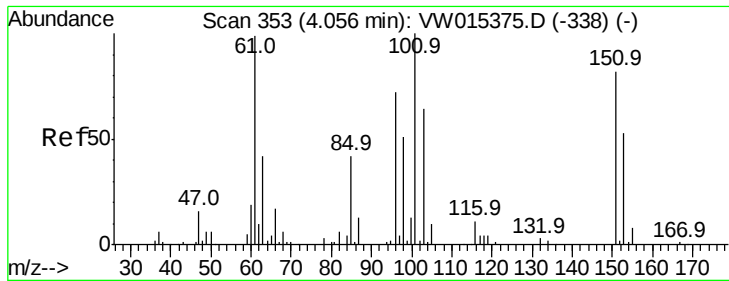
Tgt Ion: 101 Resp: 91108

Ion Ratio Lower Upper

101 100

103 65.0 45.4 84.4





#11

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

Concen: 24.339 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

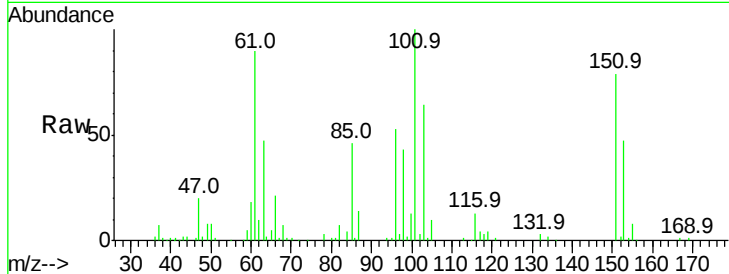
Tgt Ion:101 Resp: 102577

Ion Ratio Lower Upper

101 100

85 45.0 32.5 48.7

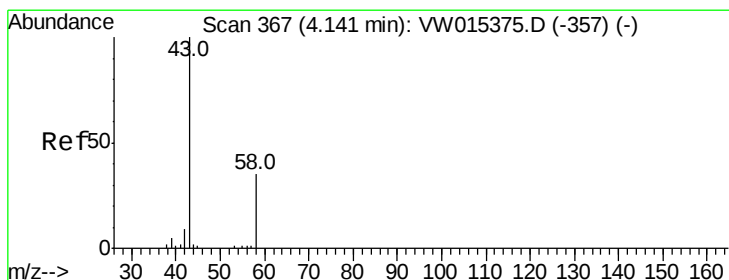
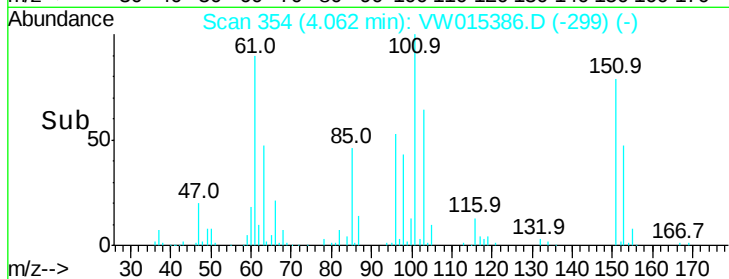
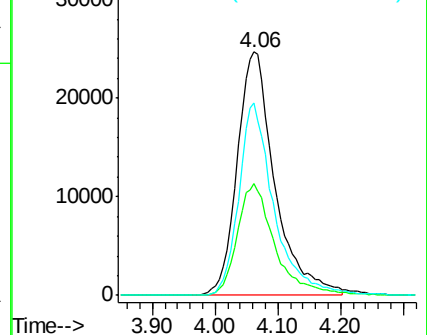
151 71.4 68.2 102.2



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



#13

Acetone

Concen: 60.929 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW015386.D

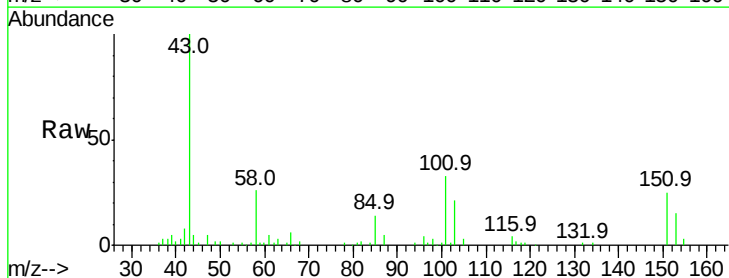
Acq: 04 May 2020 14:53

Tgt Ion: 43 Resp: 42027

Ion Ratio Lower Upper

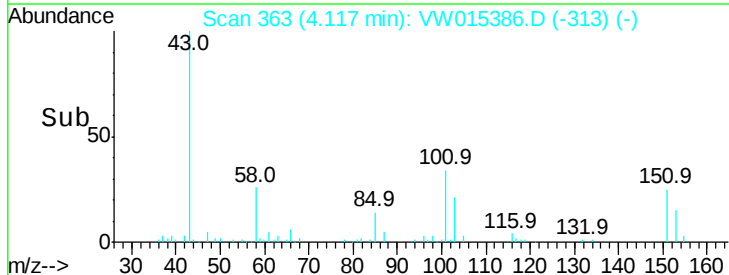
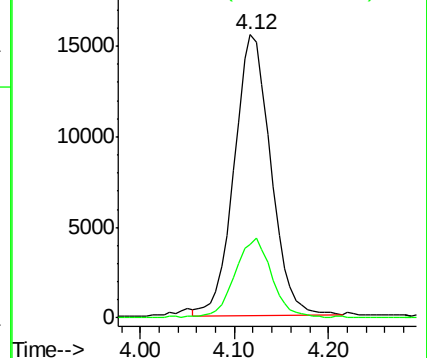
43 100

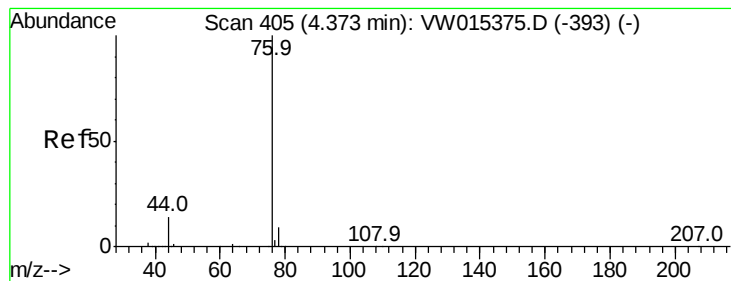
58 28.5 0.0 68.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 27.605 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

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ClientSampled :

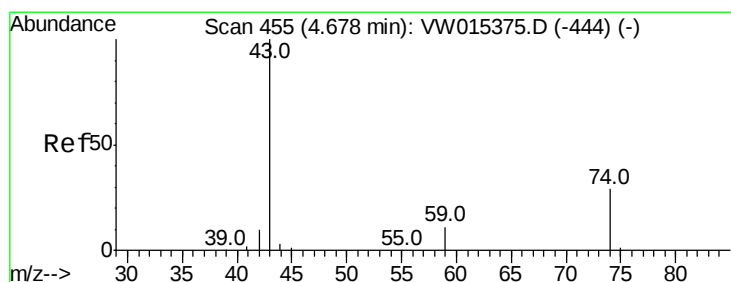
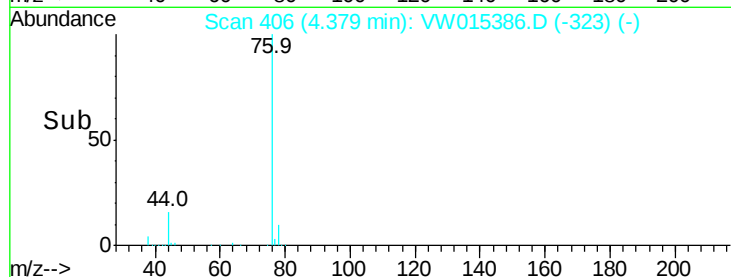
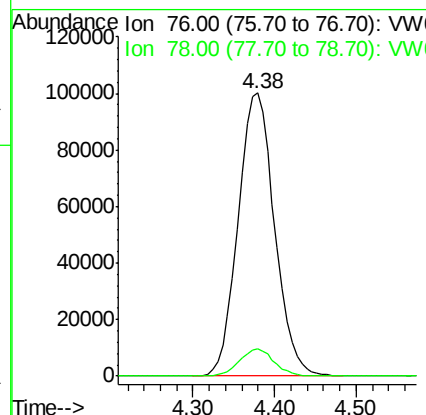
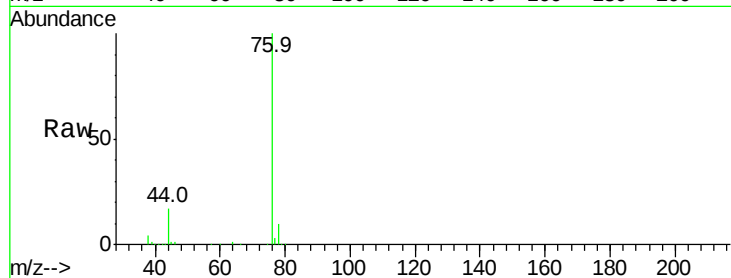
VSTD02504

Tgt Ion: 76 Resp: 310249

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8



#15

Methyl Acetate

Concen: 33.458 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015386.D

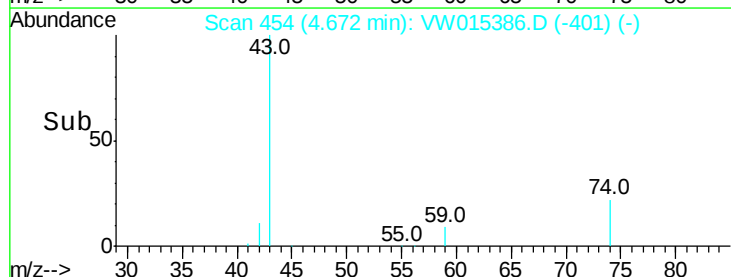
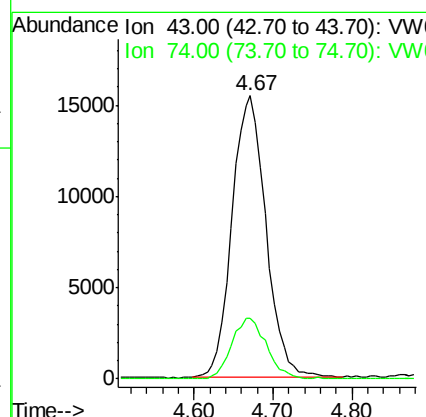
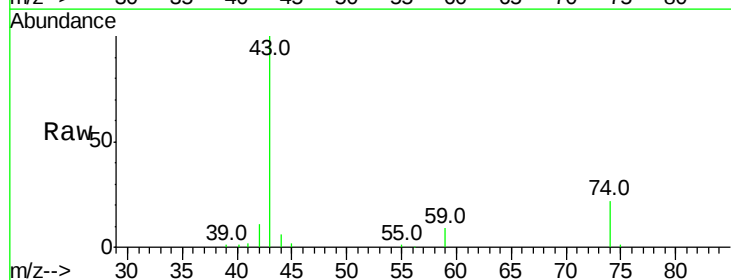
Acq: 04 May 2020 14:53

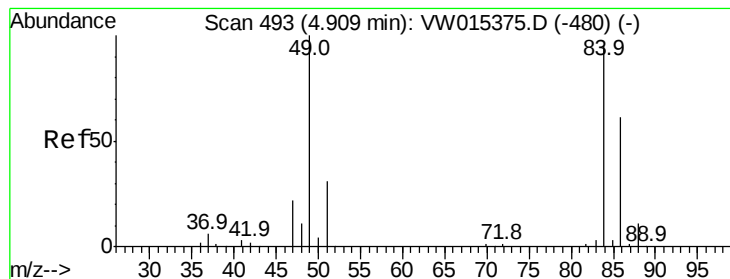
Tgt Ion: 43 Resp: 46026

Ion Ratio Lower Upper

43 100

74 22.2 23.5 35.3#





#16

Methylene chloride

Concen: 23.238 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

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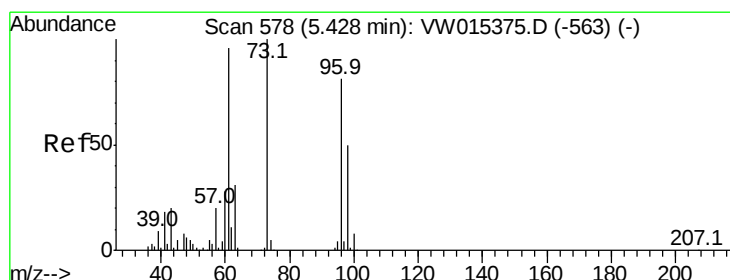
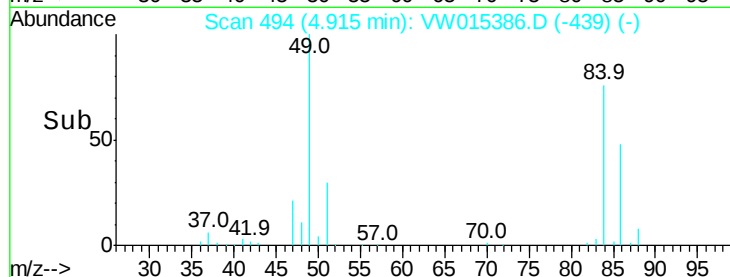
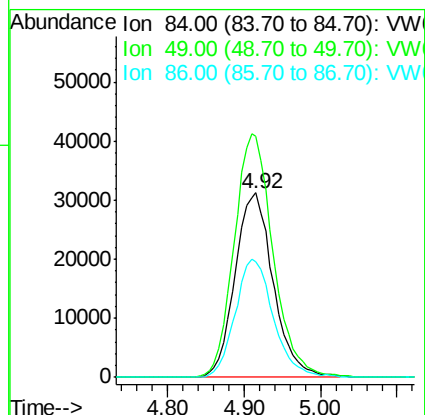
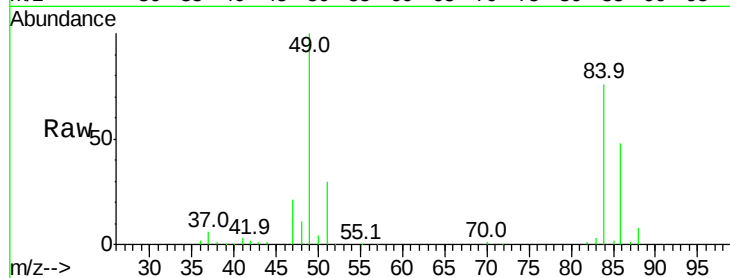
Tgt Ion: 84 Resp: 108306

Ion Ratio Lower Upper

84 100

49 130.9 74.6 138.6

86 62.9 44.6 82.8



#17

Methyl tert-butyl Ether

Concen: 27.732 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

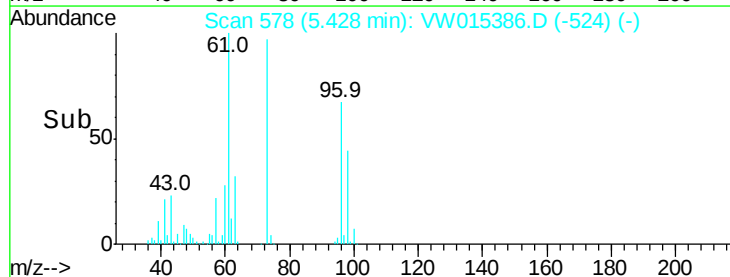
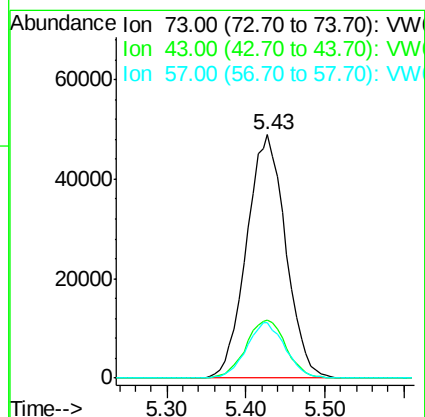
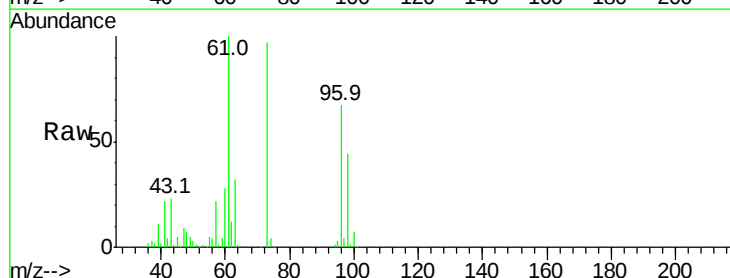
Tgt Ion: 73 Resp: 168851

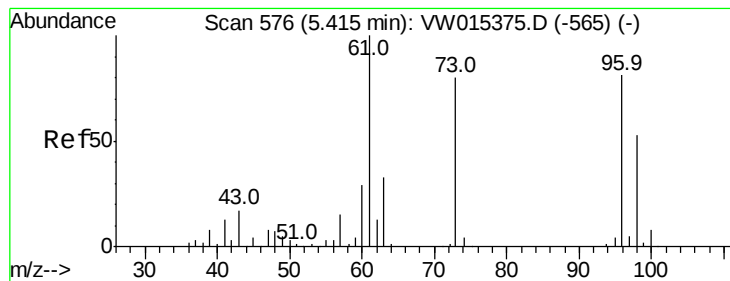
Ion Ratio Lower Upper

73 100

43 24.1 16.7 25.1

57 22.6 15.9 23.9





#18

trans-1,2-Dichloroethene

Concen: 24.570 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

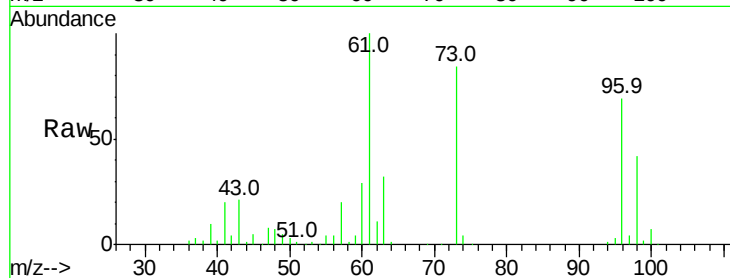
Tgt Ion: 96 Resp: 110836

Ion Ratio Lower Upper

96 100

61 144.4 86.4 160.4

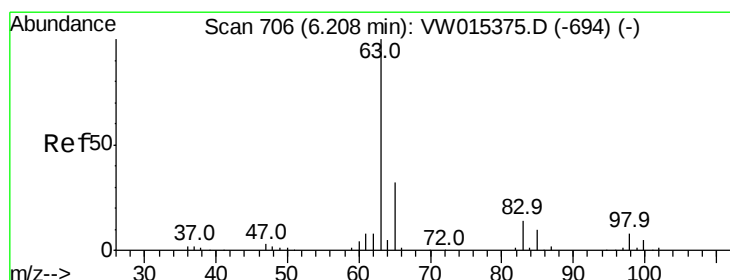
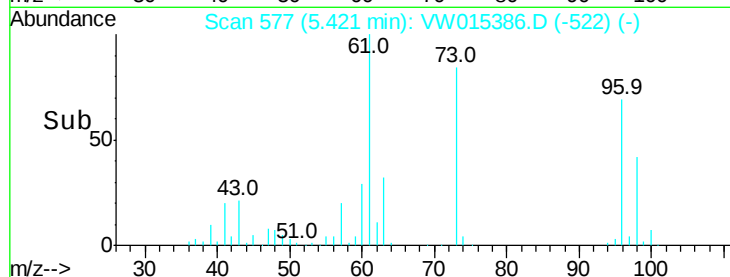
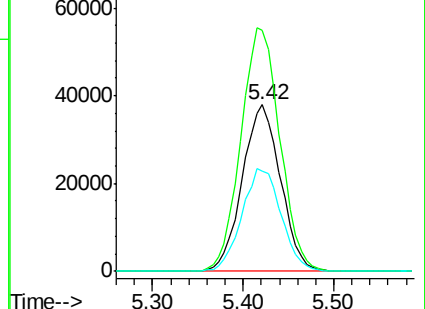
98 60.6 45.3 84.1



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#19

1,1-Dichloroethane

Concen: 29.799 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

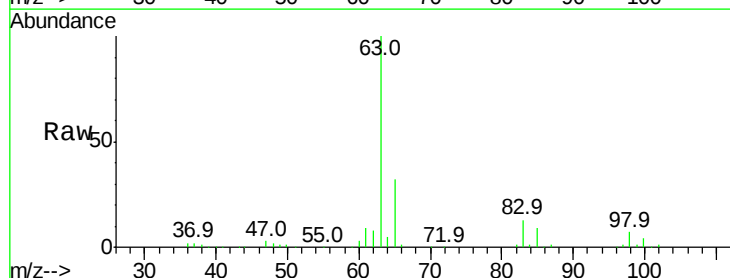
Tgt Ion: 63 Resp: 209370

Ion Ratio Lower Upper

63 100

65 32.3 23.2 43.0

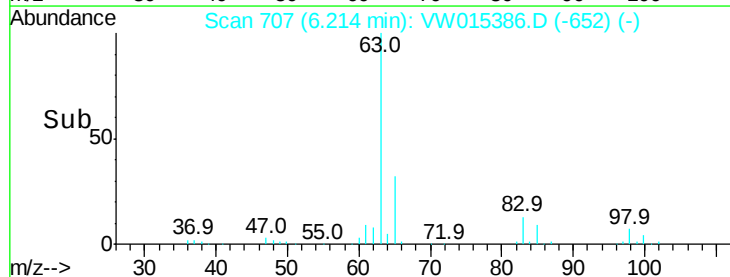
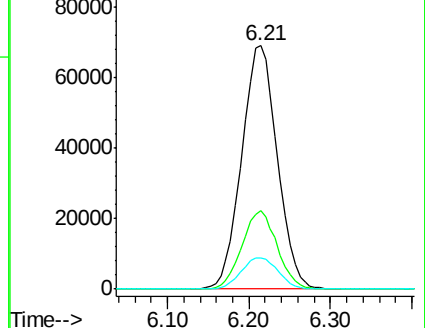
83 13.0 10.4 19.4

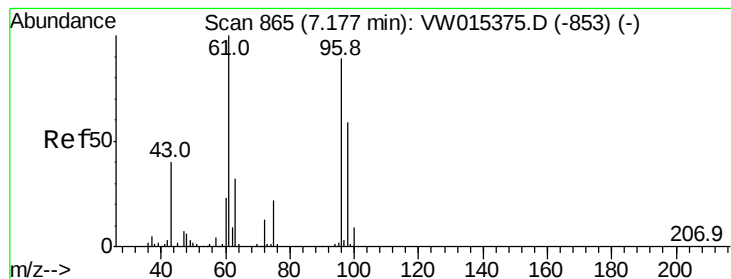


Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW





#21

2-Butanone

Concen: 59.555 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Instrument :

MSVOA_W

ClientSampled :

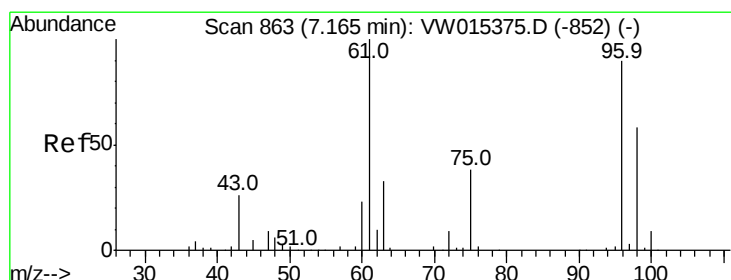
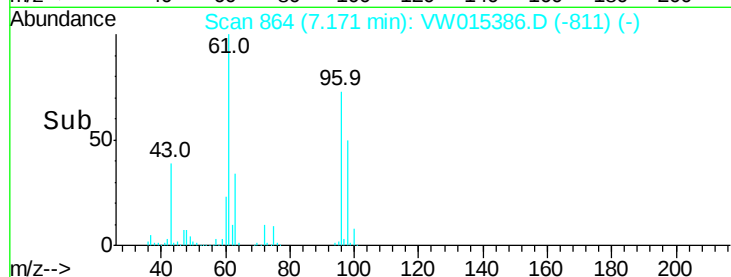
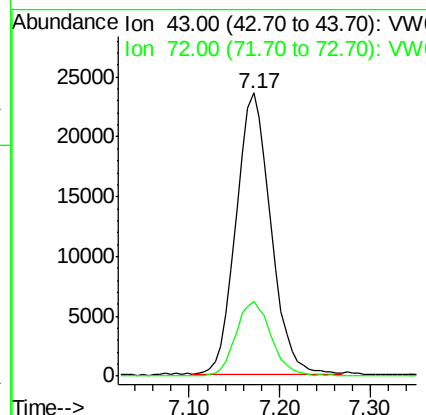
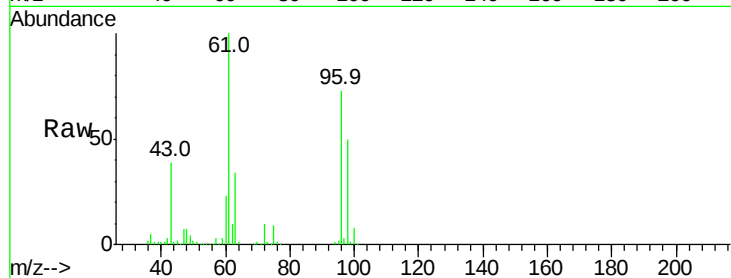
VSTD02504

Tgt Ion: 43 Resp: 62131

Ion Ratio Lower Upper

43 100

72 27.2 16.0 47.9



#22

cis-1,2-Dichloroethene

Concen: 24.664 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

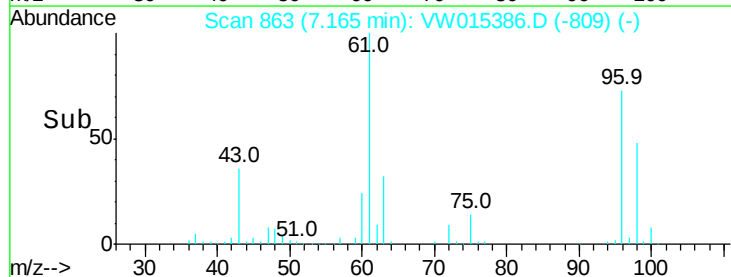
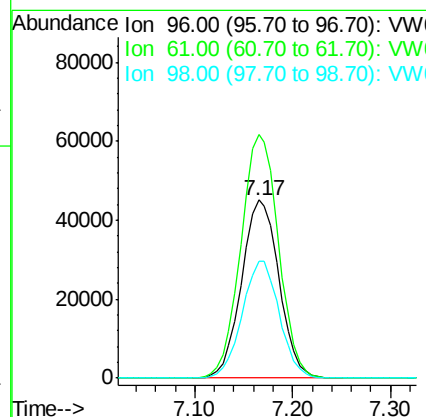
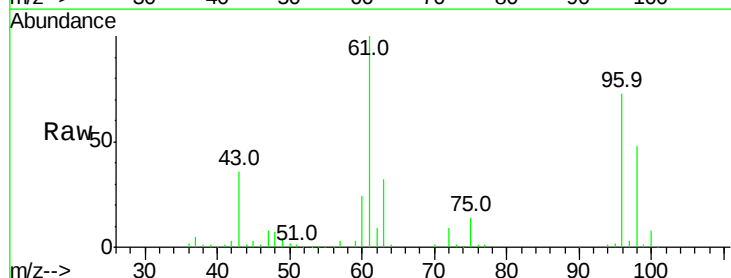
Tgt Ion: 96 Resp: 120146

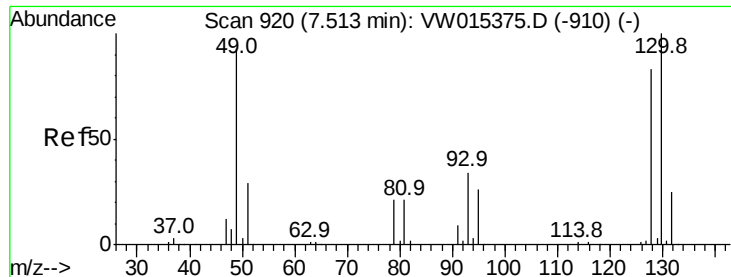
Ion Ratio Lower Upper

96 100

61 136.9 79.3 147.3

98 65.6 43.6 81.0





#23

Bromochloromethane

Concen: 21.449 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

Tgt Ion:128 Resp: 50165

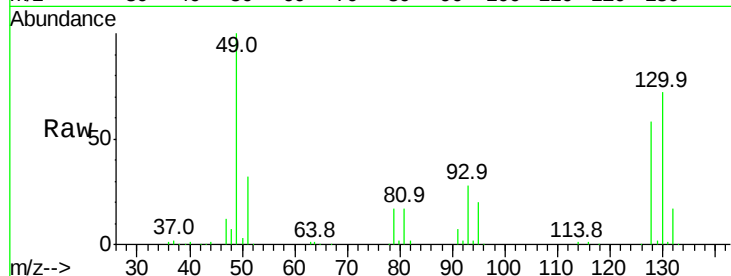
Ion Ratio Lower Upper

128 100

49 171.7 85.8 159.4#

130 123.6 92.2 171.2

51 55.1 32.0 48.0#

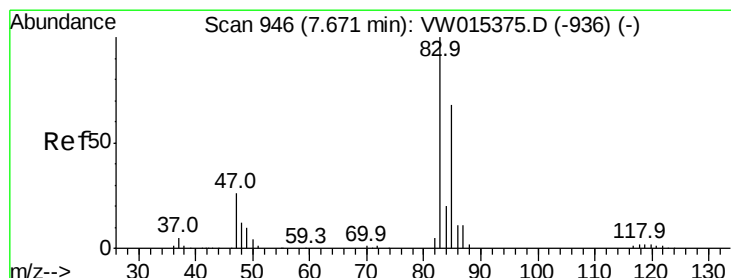
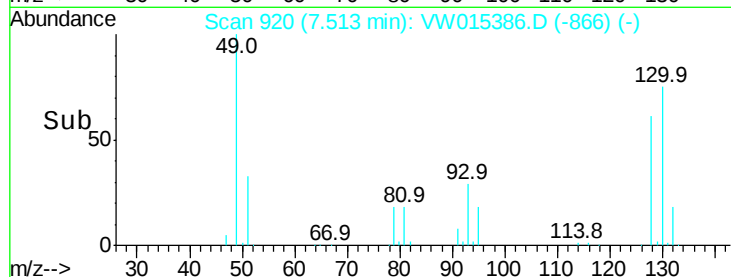
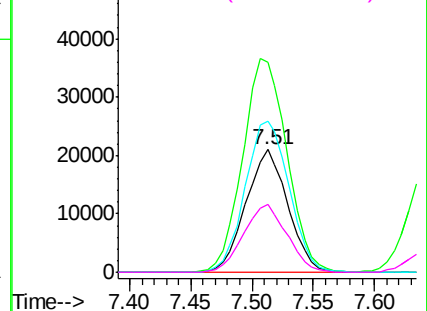


Abundance Ion 128.00 (127.70 to 128.70): V

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: 26.201 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW015386.D

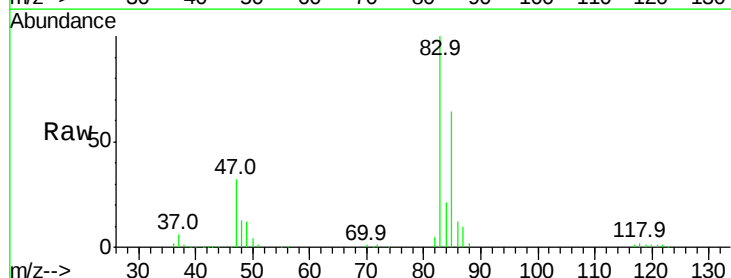
Acq: 04 May 2020 14:53

Tgt Ion: 83 Resp: 209391

Ion Ratio Lower Upper

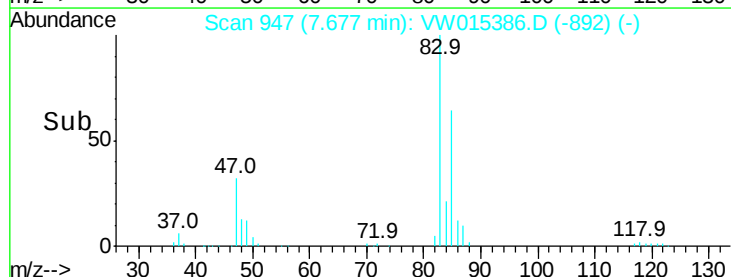
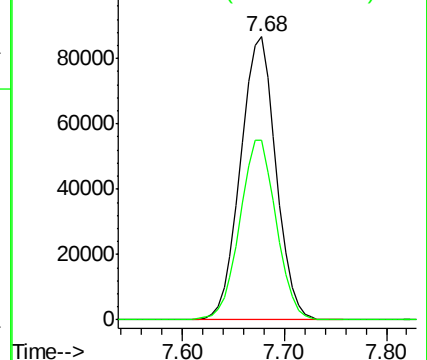
83 100

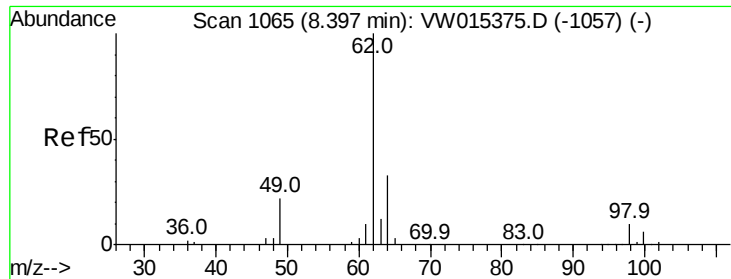
85 65.2 46.1 85.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

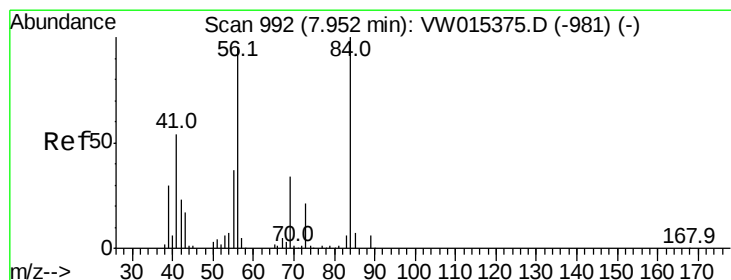
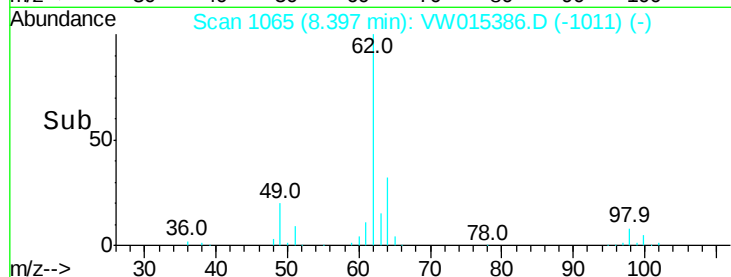
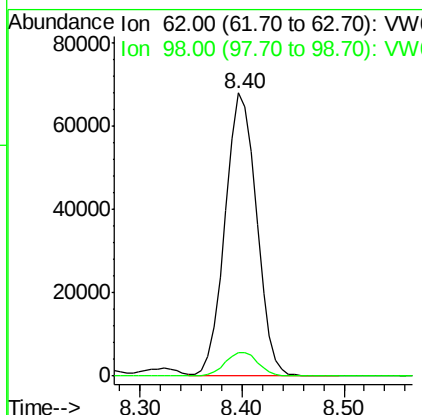
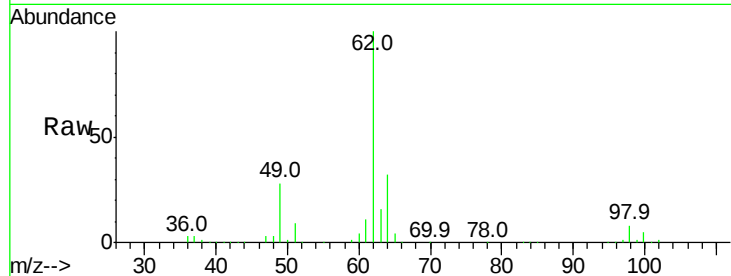




#27
 1,2-Dichloroethane
 Concen: 28.721 ug/L
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW015386.D
 Acq: 04 May 2020 14:53

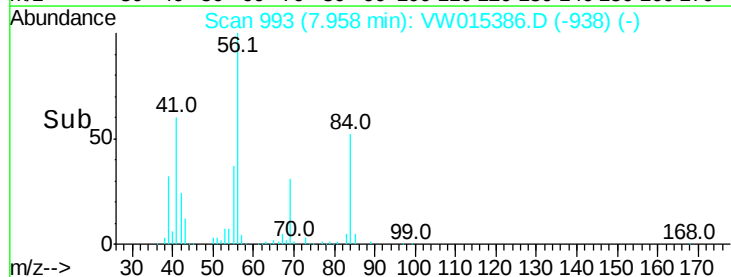
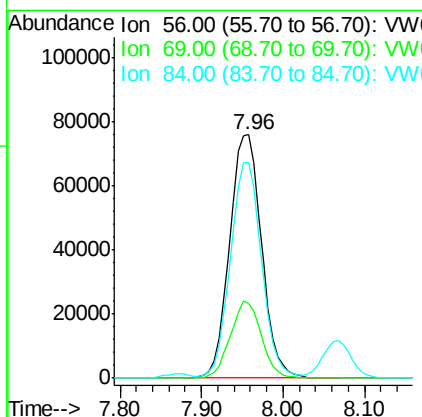
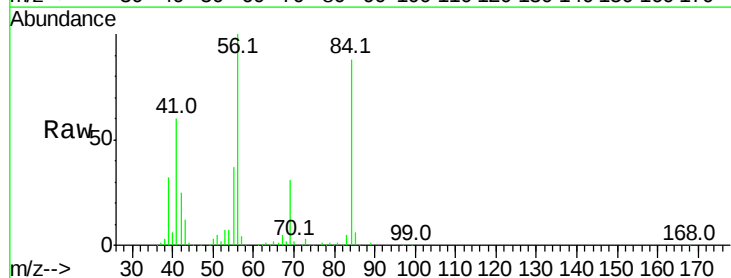
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

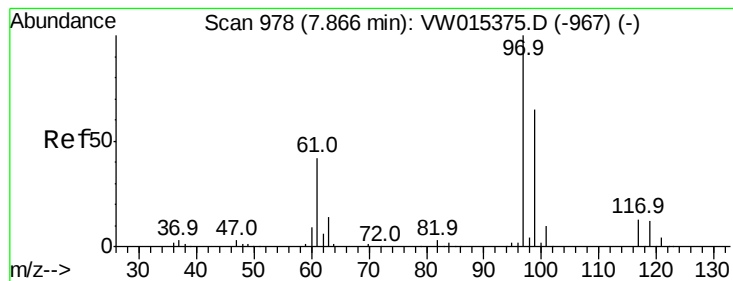
Tgt Ion: 62 Resp: 145569
 Ion Ratio Lower Upper
 62 100
 98 8.5 7.9 11.9



#30
 Cyclohexane
 Concen: 32.255 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VW015386.D
 Acq: 04 May 2020 14:53

Tgt Ion: 56 Resp: 205798
 Ion Ratio Lower Upper
 56 100
 69 30.6 27.4 41.2
 84 86.5 83.2 124.8





#31

1,1,1-Trichloroethane

Concen: 25.227 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

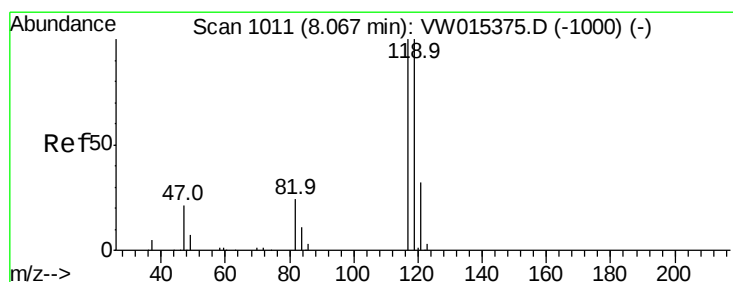
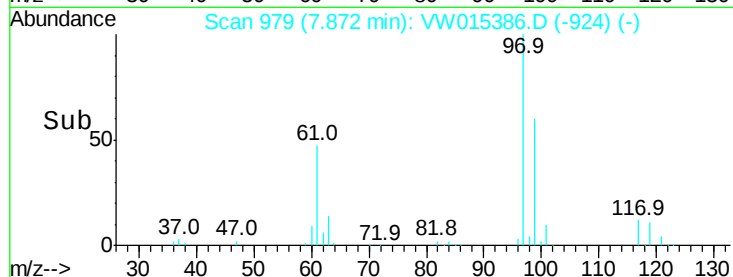
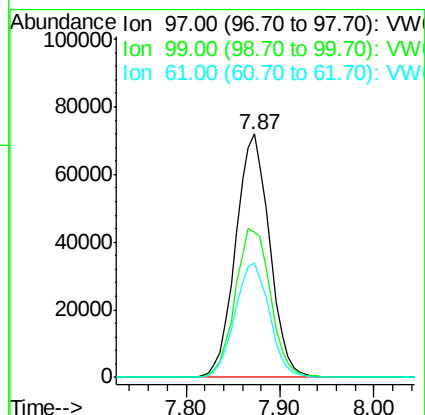
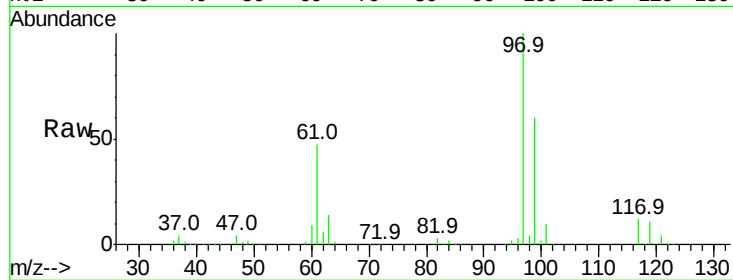
Tgt Ion: 97 Resp: 180875

Ion Ratio Lower Upper

97 100

99 63.7 51.4 77.2

61 48.2 32.8 49.2



#32

Carbon tetrachloride

Concen: 23.340 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015386.D

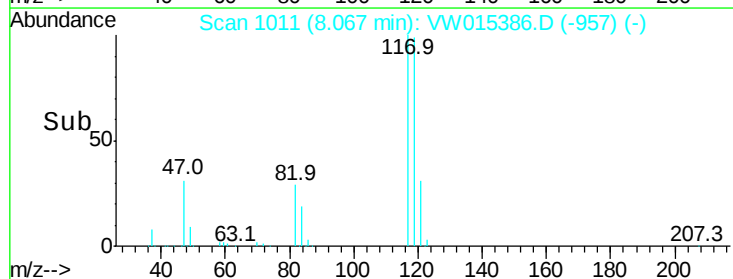
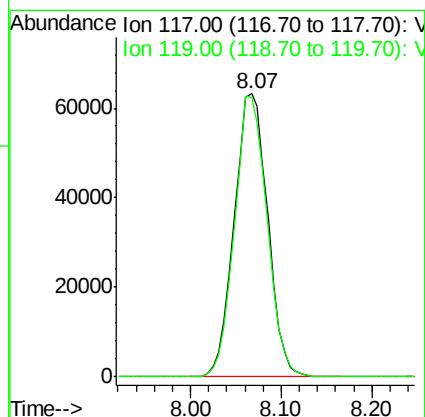
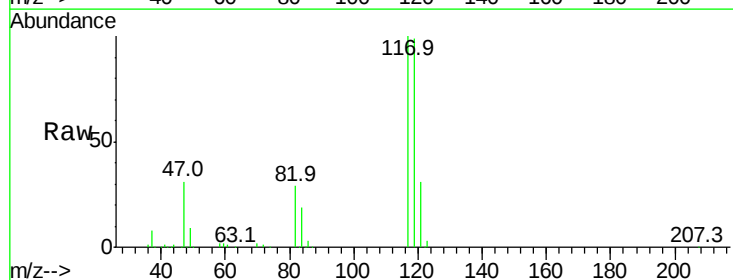
Acq: 04 May 2020 14:53

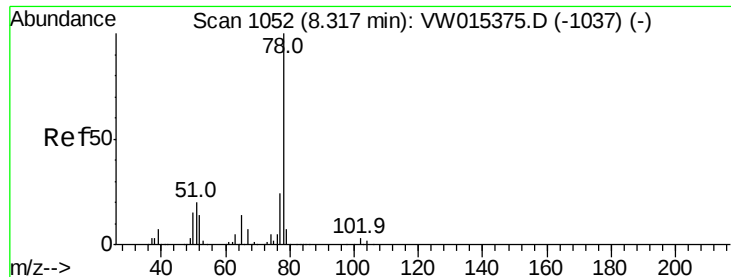
Tgt Ion: 117 Resp: 161813

Ion Ratio Lower Upper

117 100

119 96.5 76.5 114.7





#34

Benzene

Concen: 27.804 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

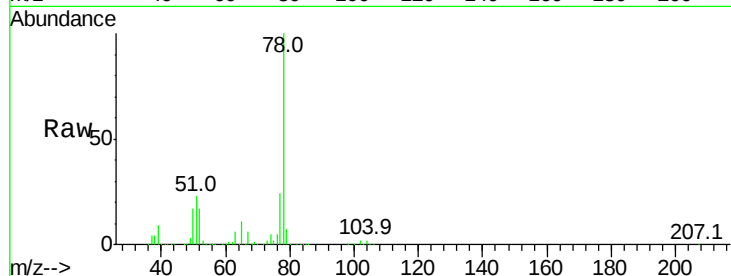
Instrument :

MSVOA_W

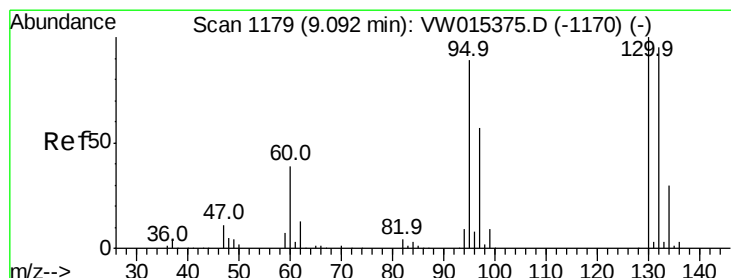
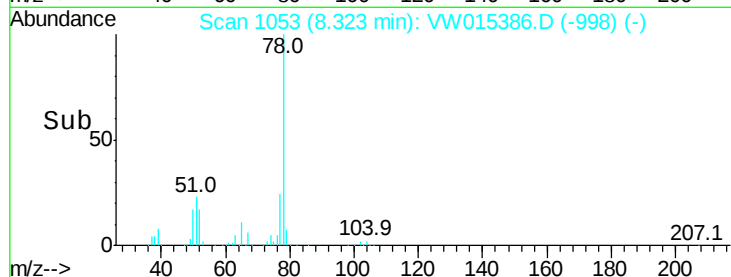
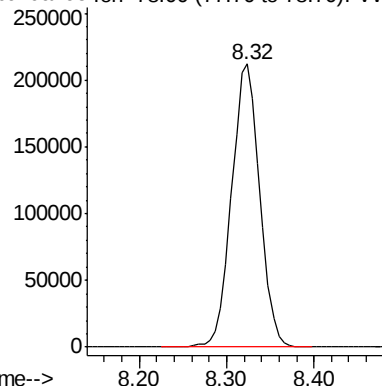
ClientSampleId :

VSTD02504

Tgt Ion: 78 Resp: 474926



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 25.517 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Tgt Ion: 95 Resp: 125394

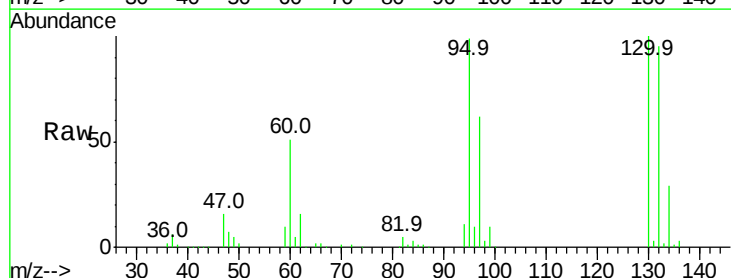
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.9	85.3
132	92.1	75.2	139.6
130	97.9	76.7	142.5

95 100

97 64.2 45.9 85.3

132 92.1 75.2 139.6

130 97.9 76.7 142.5

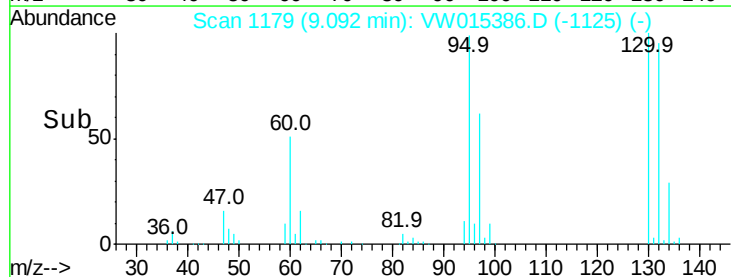
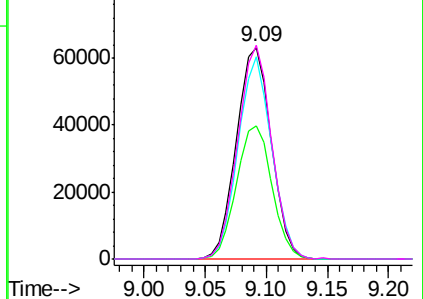


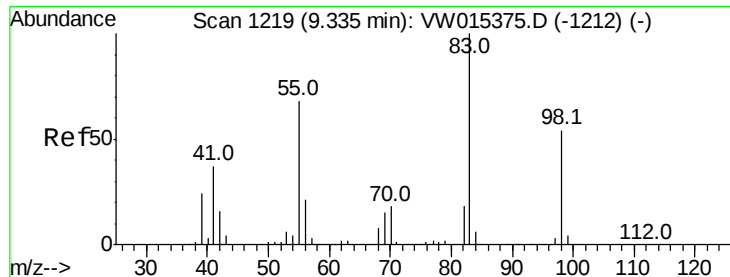
Abundance Ion 95.00 (94.70 to 95.70): VW

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

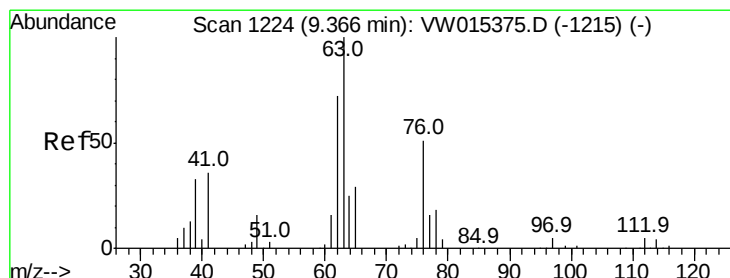
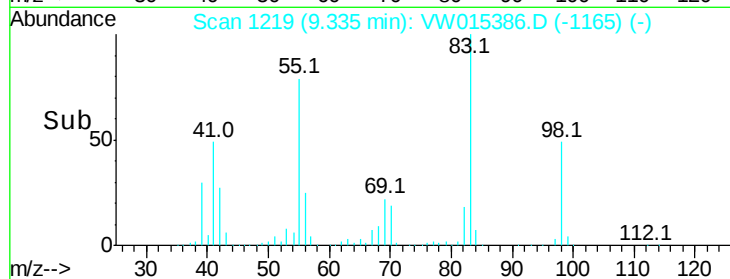
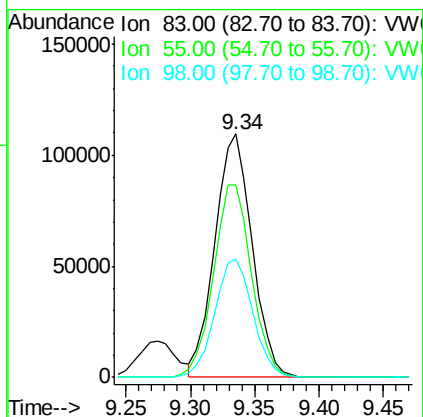
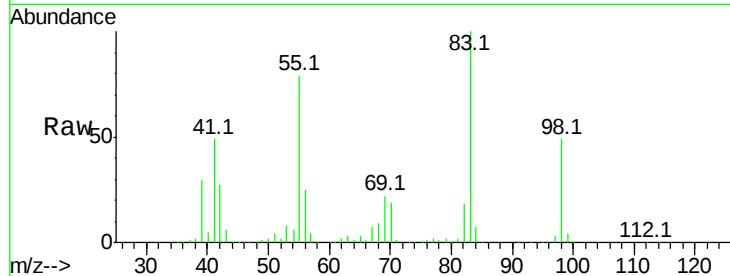




#36
Methylcyclohexane
Concen: 26.861 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015386.D
Acq: 04 May 2020 14:53

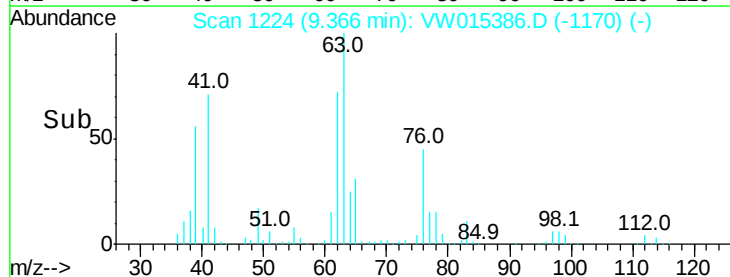
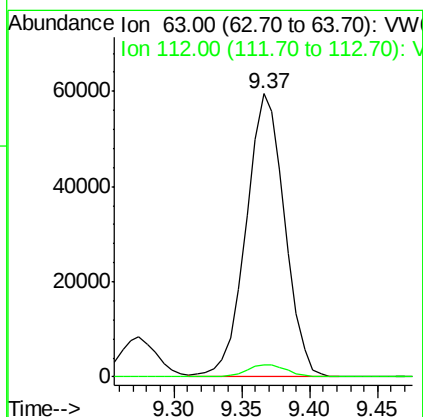
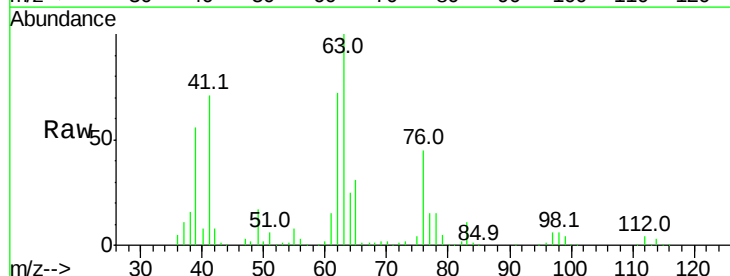
Instrument :
MSVOA_W
ClientSampleId :
VSTD02504

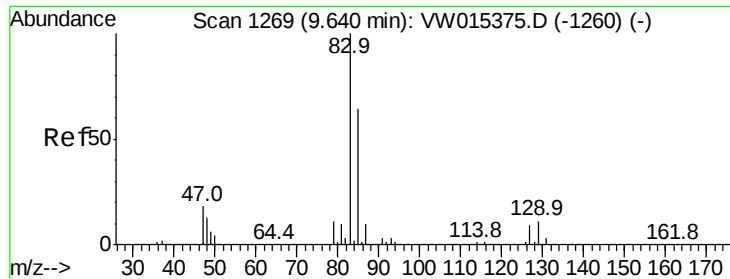
Tgt Ion: 83 Resp: 222521
Ion Ratio Lower Upper
83 100
55 80.6 53.7 80.5#
98 49.7 42.3 63.5



#40
1,2-Dichloropropane
Concen: 30.400 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW015386.D
Acq: 04 May 2020 14:53

Tgt Ion: 63 Resp: 117839
Ion Ratio Lower Upper
63 100
112 4.5 4.6 6.8#





#41

Bromodichloromethane

Concen: 26.311 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Instrument :

MSVOA_W

ClientSampled :

VSTD02504

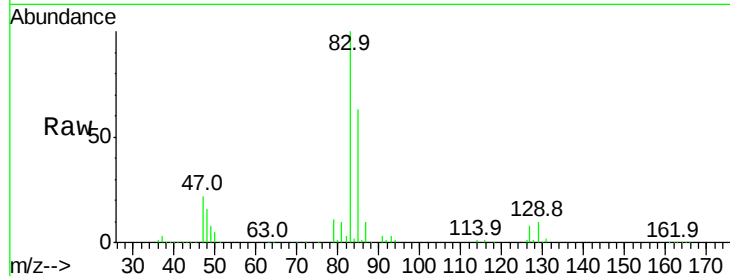
Tgt Ion: 83 Resp: 156113

Ion Ratio Lower Upper

83 100

85 63.1 44.7 83.1

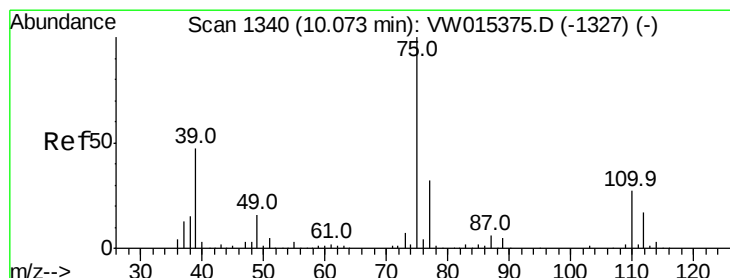
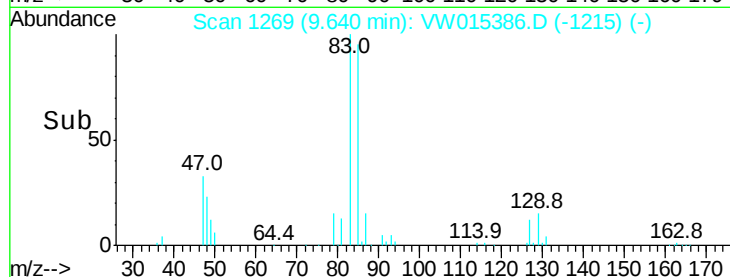
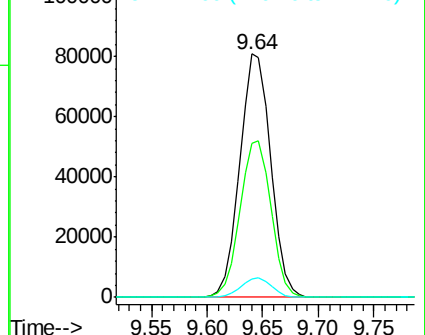
127 7.8 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#42

cis-1,3-Dichloropropene

Concen: 28.417 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015386.D

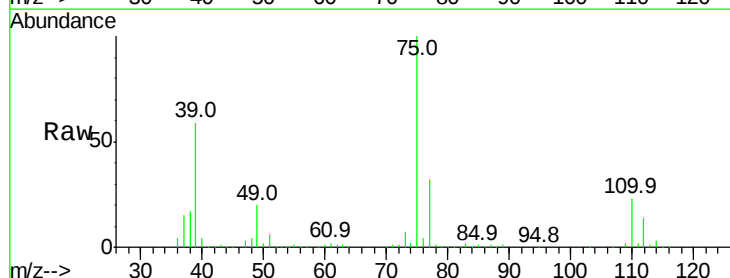
Acq: 04 May 2020 14:53

Tgt Ion: 75 Resp: 192860

Ion Ratio Lower Upper

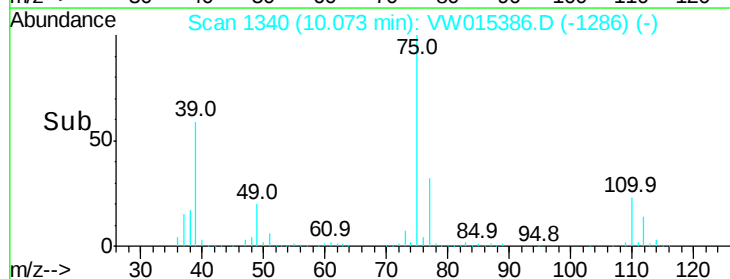
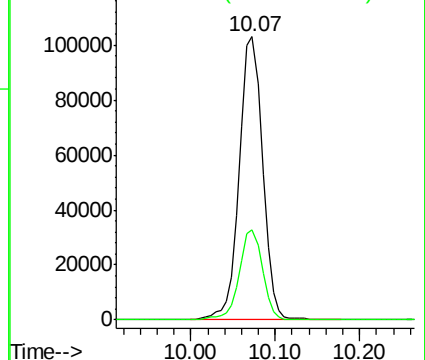
75 100

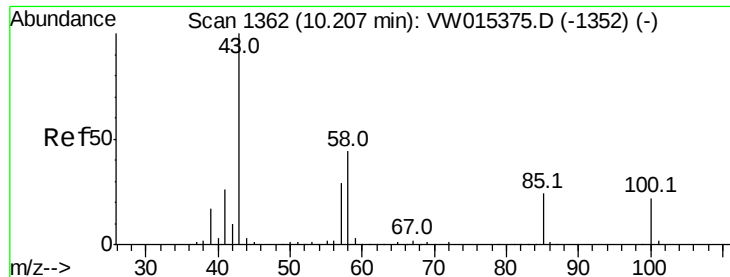
77 32.0 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

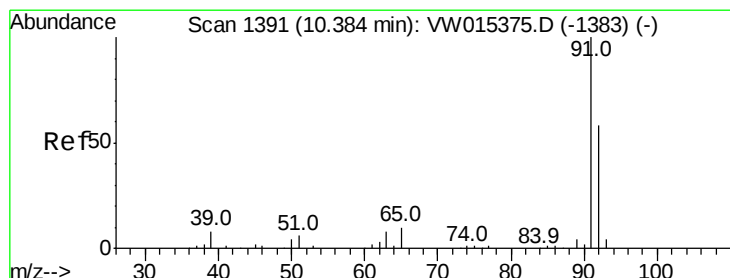
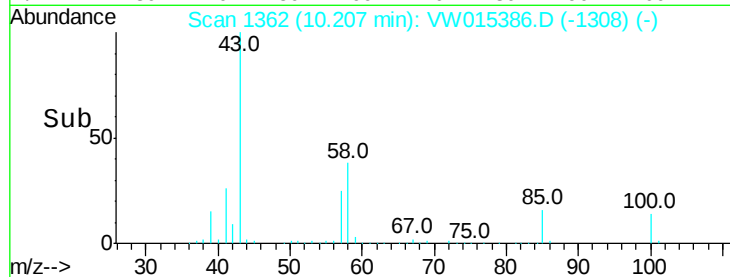
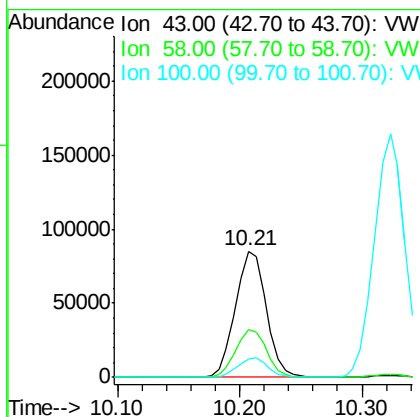
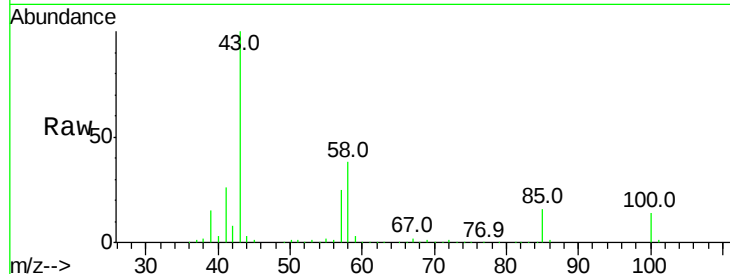




#43
 4-Methyl-2-pentanone
 Concen: 56.791 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW015386.D
 Acq: 04 May 2020 14:53

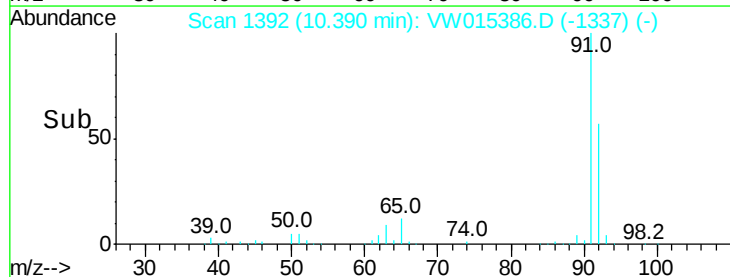
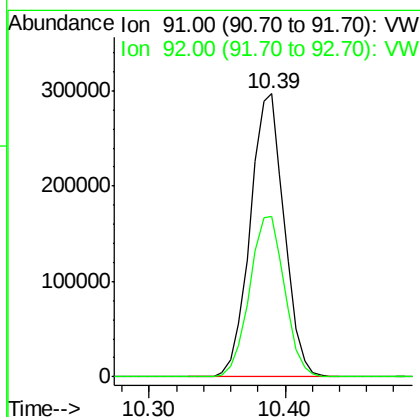
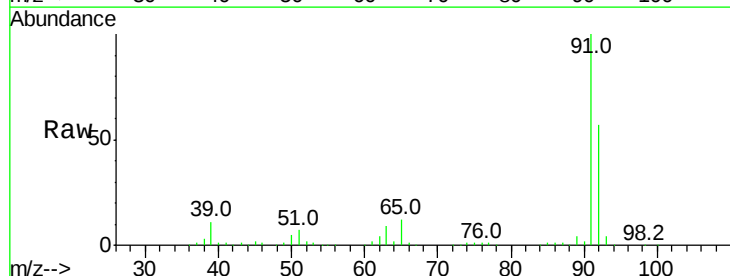
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

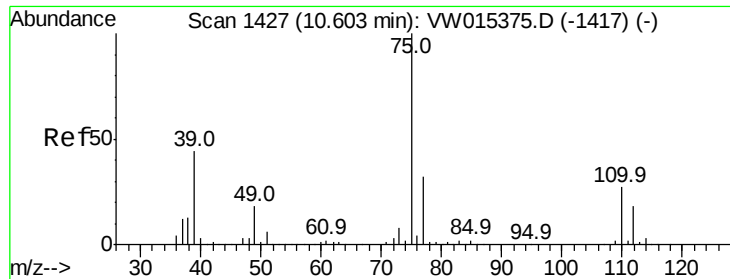
Tgt Ion: 43 Resp: 148449
 Ion Ratio Lower Upper
 43 100
 58 38.1 34.2 51.4
 100 15.1 17.2 25.8#



#44
 Toluene
 Concen: 26.200 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW015386.D
 Acq: 04 May 2020 14:53

Tgt Ion: 91 Resp: 519375
 Ion Ratio Lower Upper
 91 100
 92 56.9 40.7 75.7





#45

trans-1,3-Dichloropropene

Concen: 27.824 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Instrument :

MSVOA_W

ClientSampled :

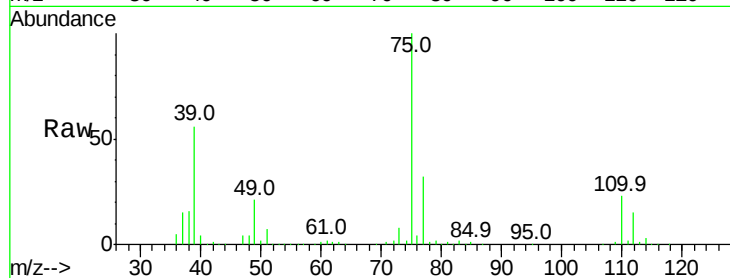
VSTD02504

Tgt Ion: 75 Resp: 167847

Ion Ratio Lower Upper

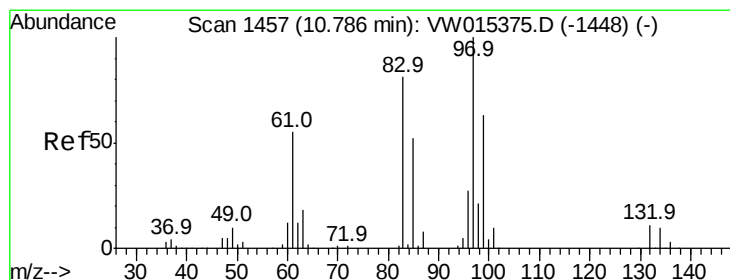
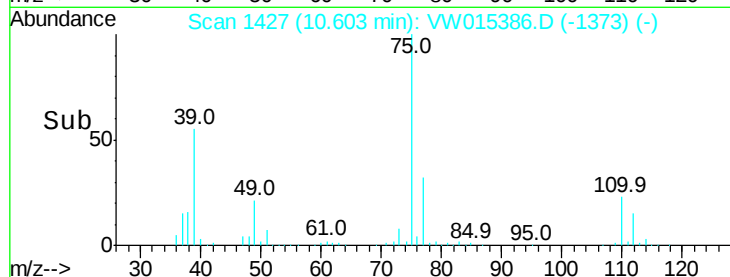
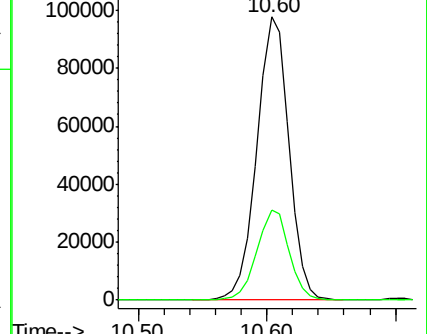
75 100

77 31.8 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 24.738 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Tgt Ion: 97 Resp: 82302

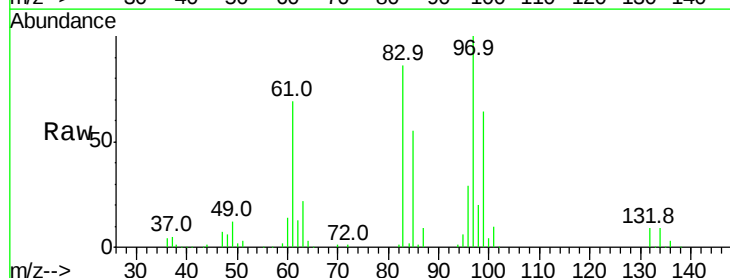
Ion Ratio Lower Upper

97 100

83 86.5 56.1 104.1

85 55.4 37.2 69.0

99 63.8 45.6 84.6

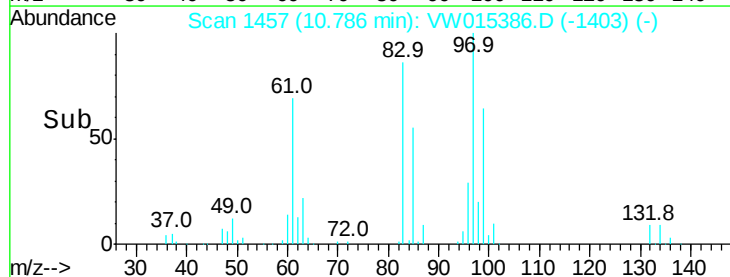
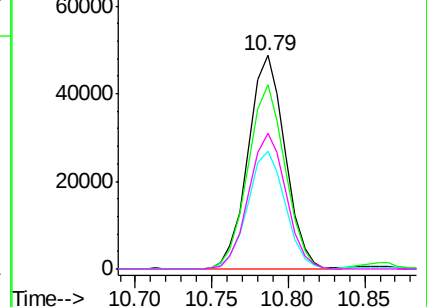


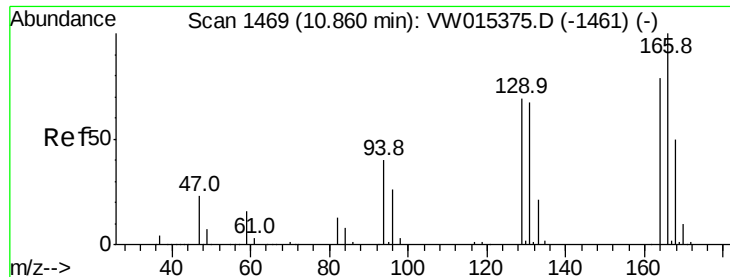
Abundance Ion 97.00 (96.70 to 97.70): VW

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: 20.513 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Instrument :

MSVOA_W

ClientSampled :

VSTD02504

Tgt Ion:164 Resp: 96168

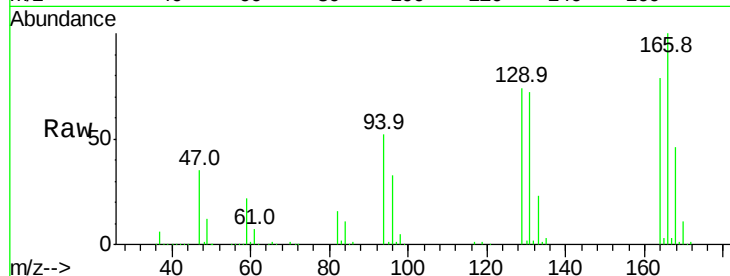
Ion Ratio Lower Upper

164 100

129 94.0 60.0 111.4

131 91.0 58.0 107.8

166 126.9 86.5 160.6

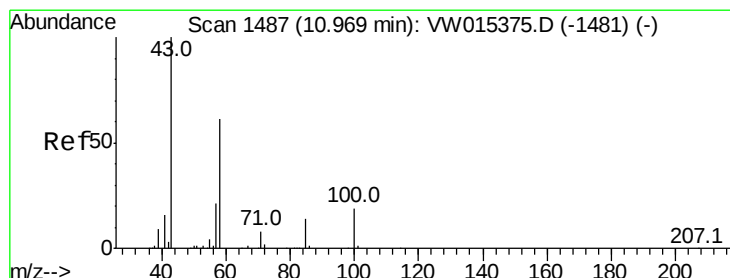
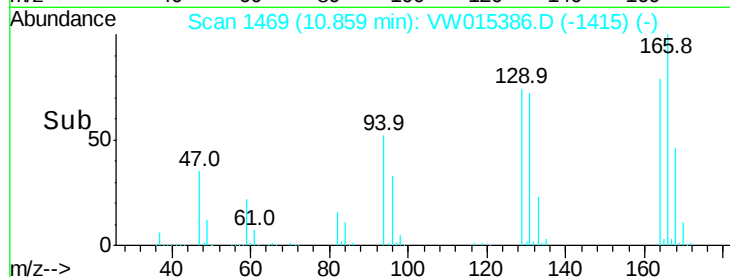
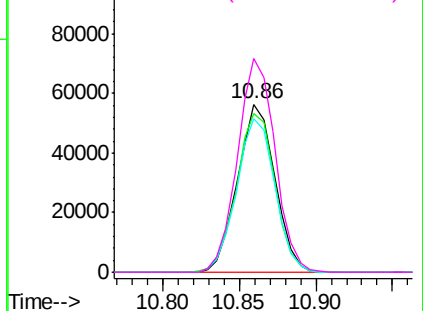


Abundance Ion 164.00 (163.70 to 164.70): V

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: 70.387 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Tgt Ion: 43 Resp: 100733

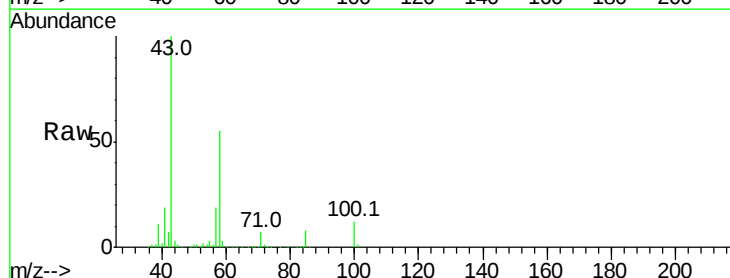
Ion Ratio Lower Upper

43 100

58 51.9 47.1 70.7

57 19.1 16.9 25.3

100 11.9 13.2 19.8#

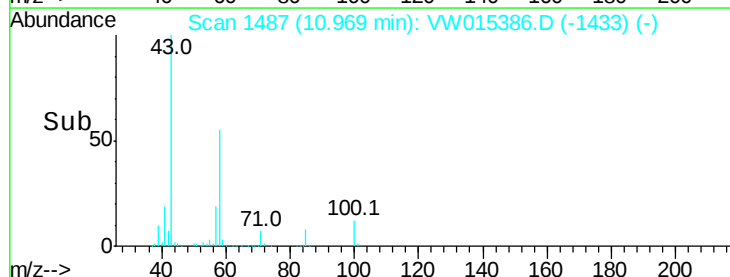
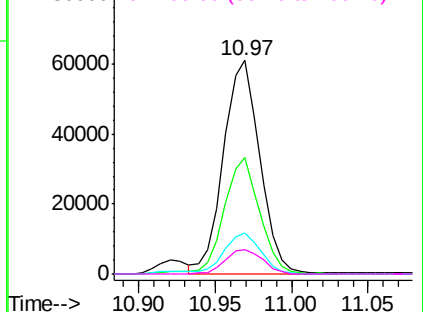


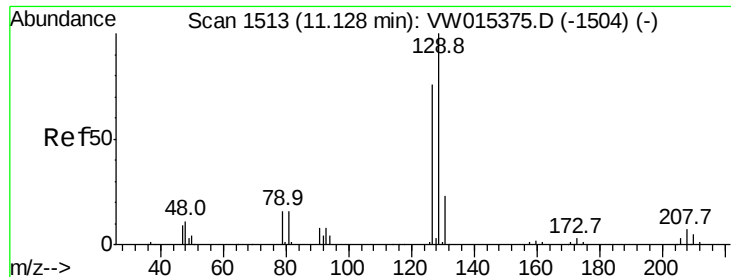
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#50

Dibromochloromethane

Concen: 22.125 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Instrument :

MSVOA_W

ClientSampleId :

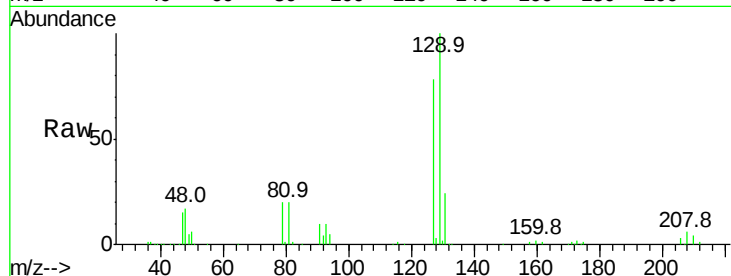
VSTD02504

Tgt Ion:129 Resp: 99546

Ion Ratio Lower Upper

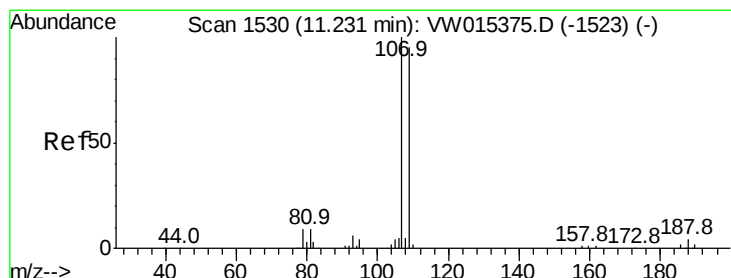
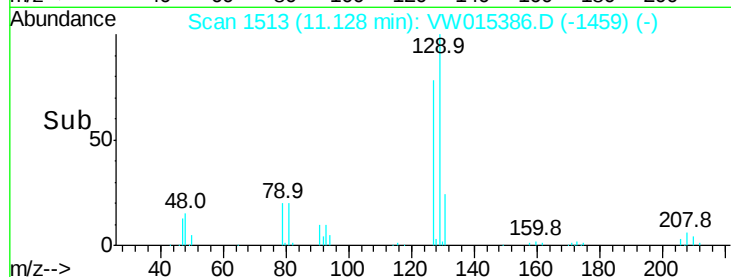
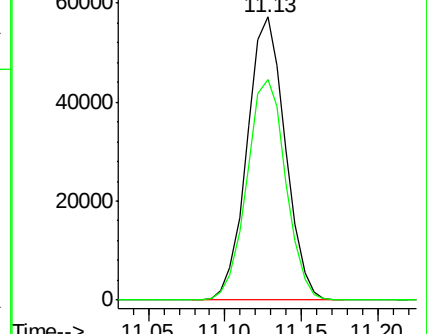
129 100

127 77.8 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 23.910 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

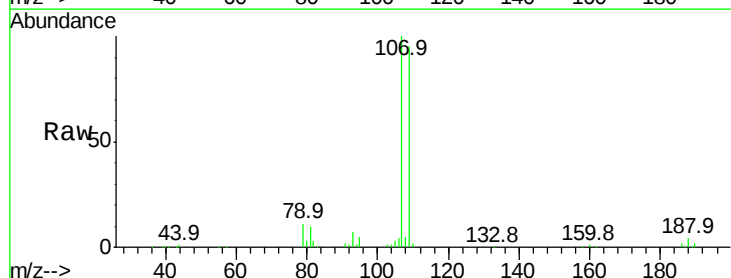
Tgt Ion:107 Resp: 79310

Ion Ratio Lower Upper

107 100

109 94.6 65.9 122.5

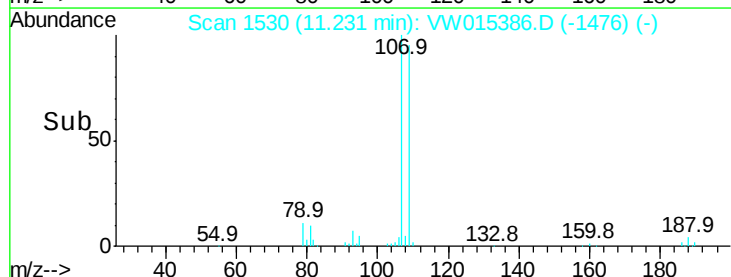
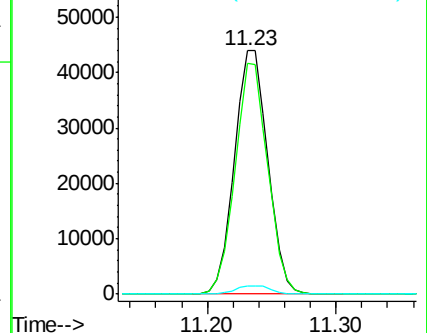
188 3.6 3.6 5.4#

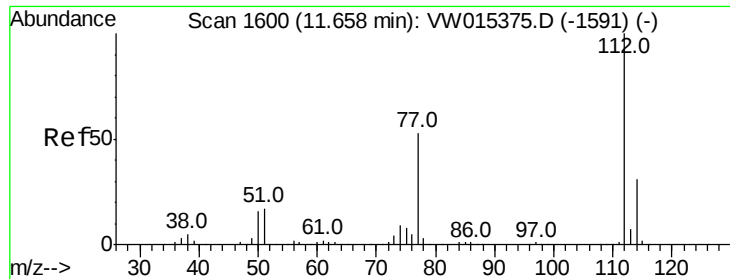


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

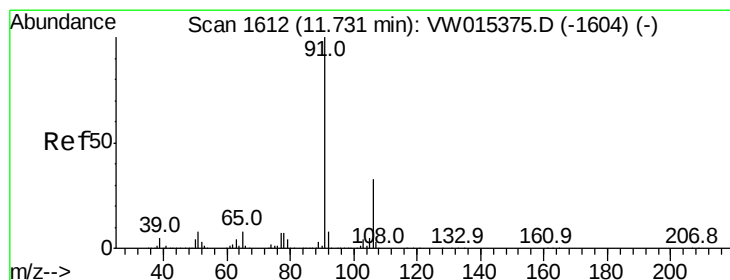
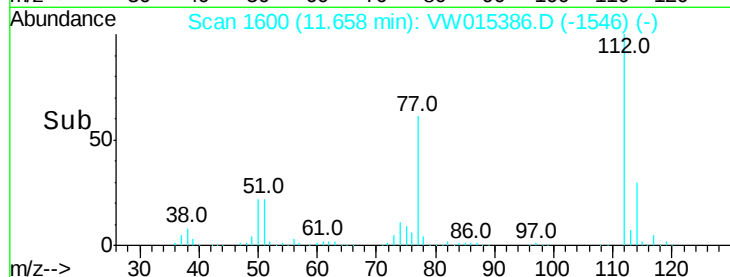
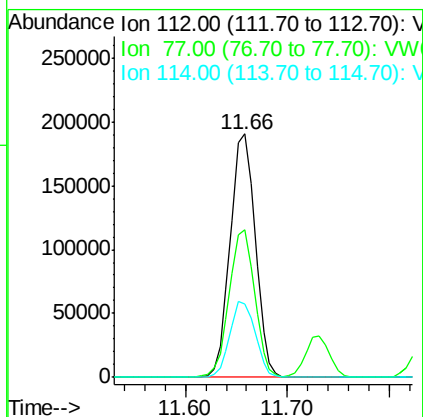
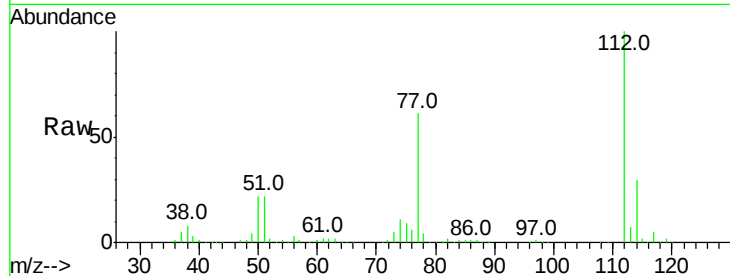




#52
Chlorobenzene
Concen: 24.295 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015386.D
Acq: 04 May 2020 14:53

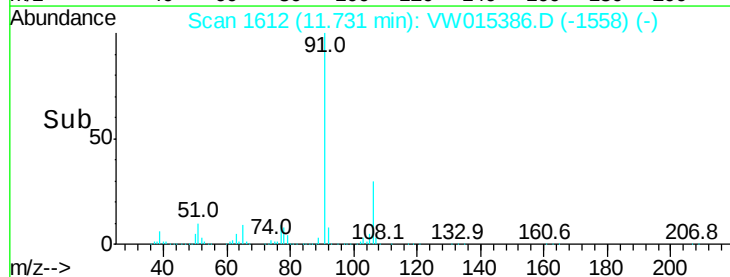
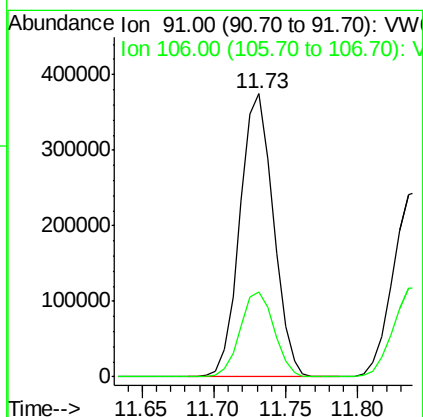
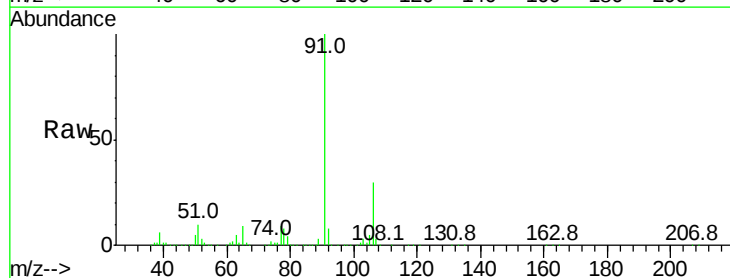
Instrument :
MSVOA_W
ClientSampleId :
VSTD02504

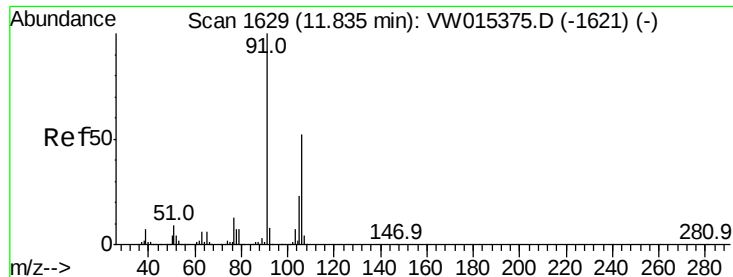
Tgt Ion: 112 Resp: 324572
Ion Ratio Lower Upper
112 100
77 60.8 43.8 65.6
114 30.3 23.5 43.7



#53
Ethylbenzene
Concen: 26.394 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015386.D
Acq: 04 May 2020 14:53

Tgt Ion: 91 Resp: 605147
Ion Ratio Lower Upper
91 100
106 30.1 23.0 42.8





#54

m,p-Xylene

Concen: 24.920 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Instrument :

MSVOA_W

ClientSampled :

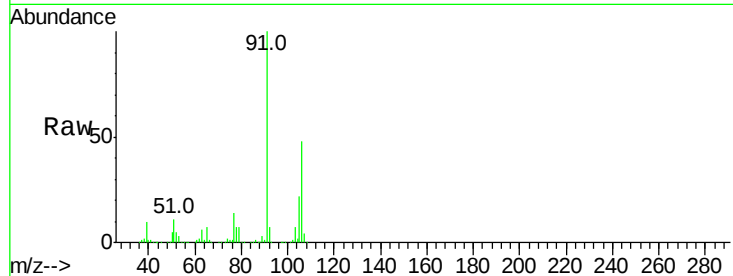
VSTD02504

Tgt Ion:106 Resp: 226168

Ion Ratio Lower Upper

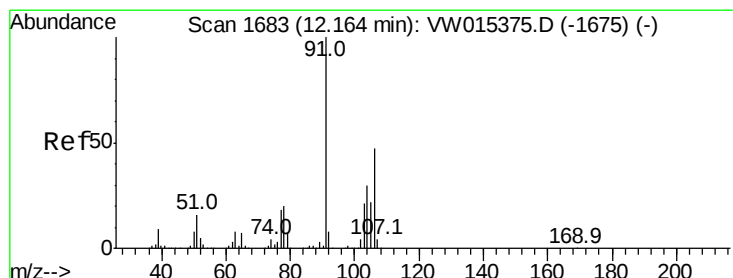
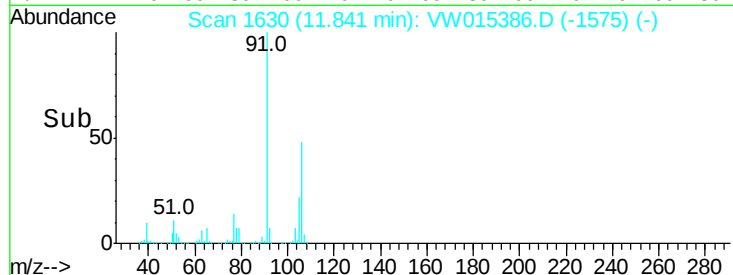
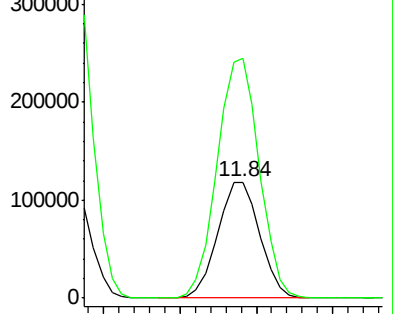
106 100

91 207.2 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 24.937 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015386.D

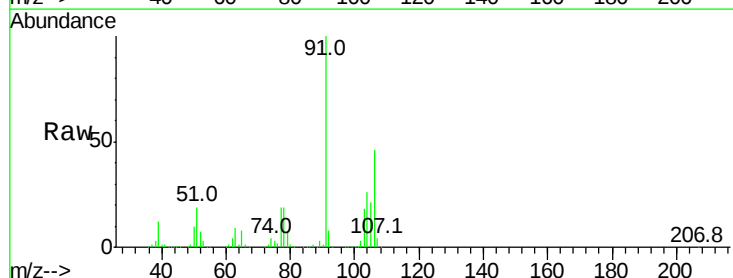
Acq: 04 May 2020 14:53

Tgt Ion:106 Resp: 217128

Ion Ratio Lower Upper

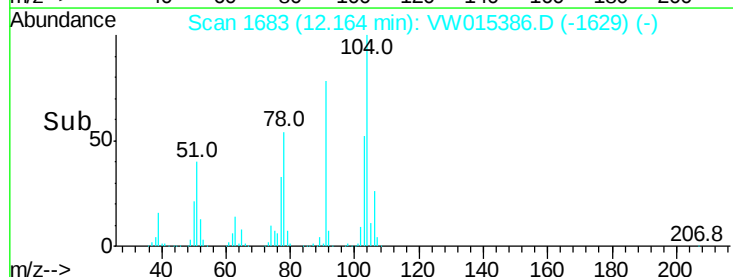
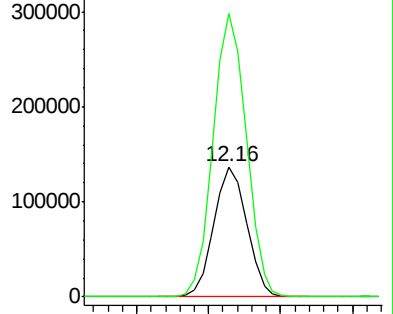
106 100

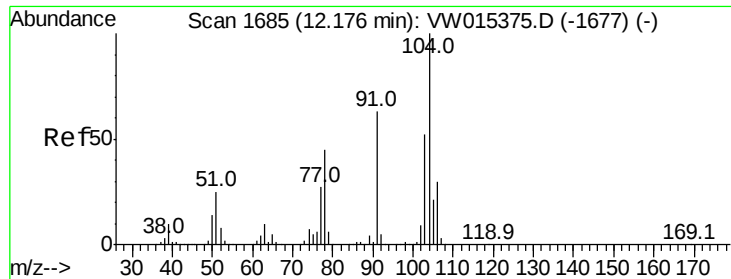
91 217.6 147.5 273.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 25.474 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Instrument :

MSVOA_W

ClientSampleId :

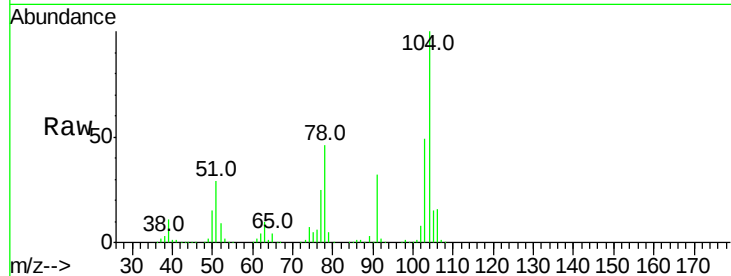
VSTD02504

Tgt Ion:104 Resp: 372383

Ion Ratio Lower Upper

104 100

78 46.3 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

12.18

250000

200000

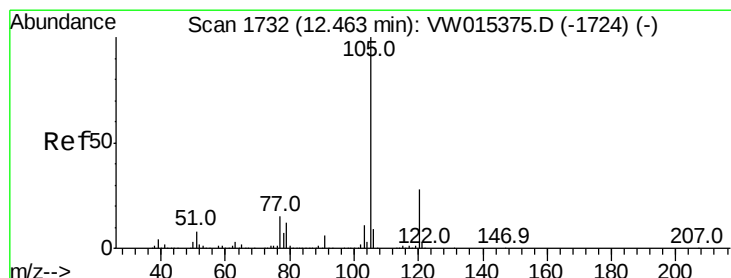
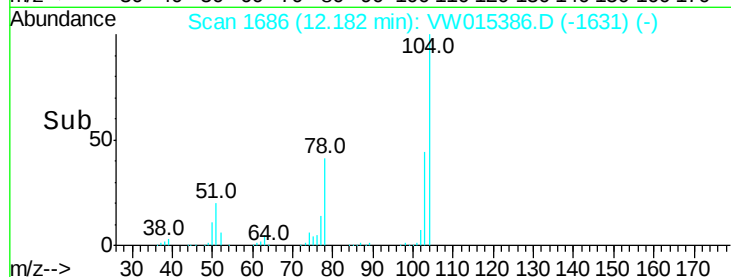
150000

100000

50000

0

Time-->



#57

Isopropylbenzene

Concen: 25.499 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

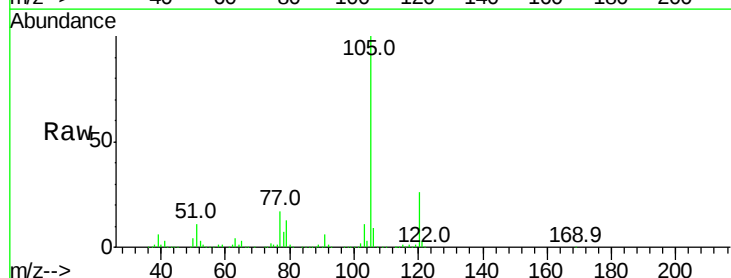
Tgt Ion:105 Resp: 604539

Ion Ratio Lower Upper

105 100

120 25.6 22.4 33.6

77 16.6 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW

12.46

500000

400000

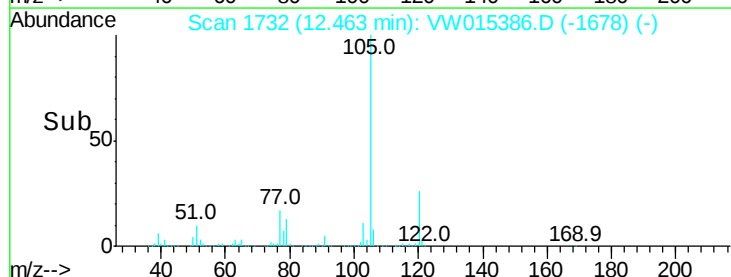
300000

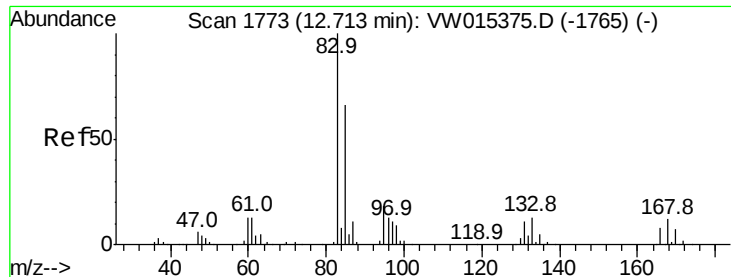
200000

100000

0

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 26.626 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Instrument :

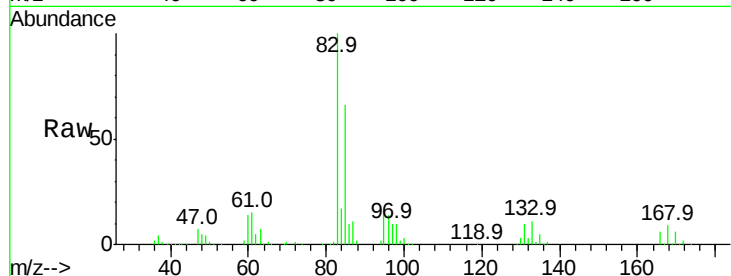
MSVOA_W

ClientSampleId :

VSTD02504

Tgt Ion: 83 Resp: 98527

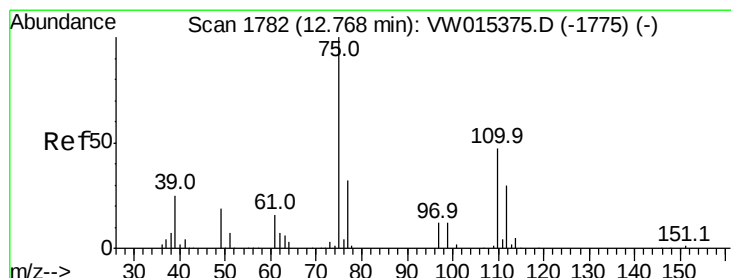
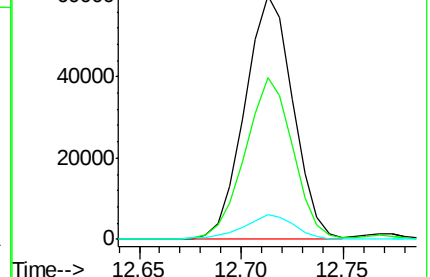
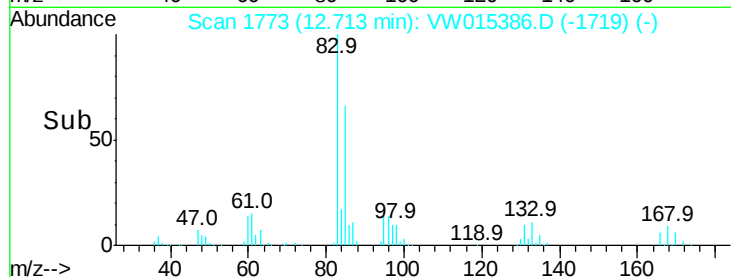
Ion	Ratio	Lower	Upper
83	100		
85	66.2	43.8	81.3
131	9.9	9.1	13.7



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): VW



#59

1,2,3-Trichloropropane

Concen: 27.494 ug/L

RT: 12.77 min Scan# 1782

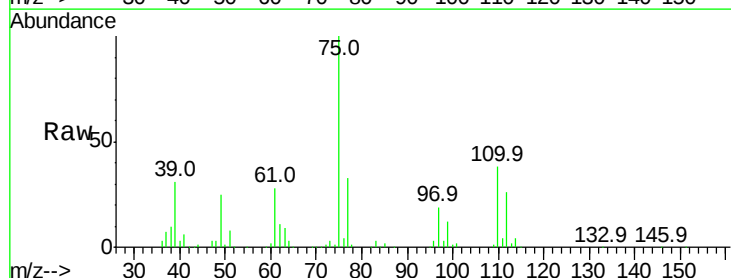
Delta R.T. -0.00 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

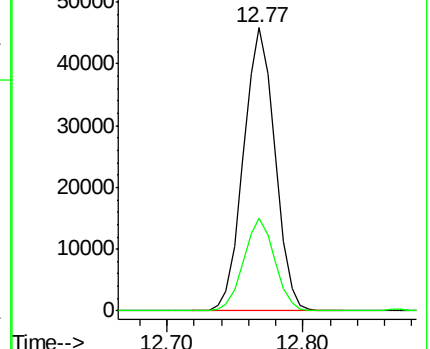
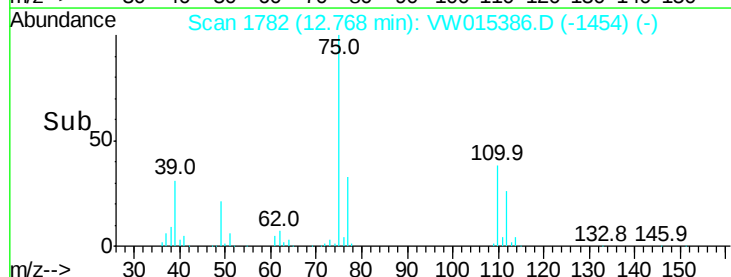
Tgt Ion: 75 Resp: 74199

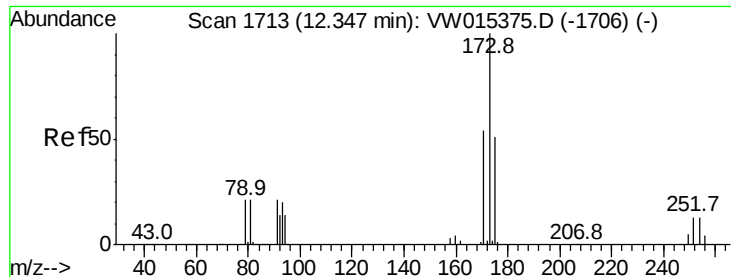
Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.4	39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

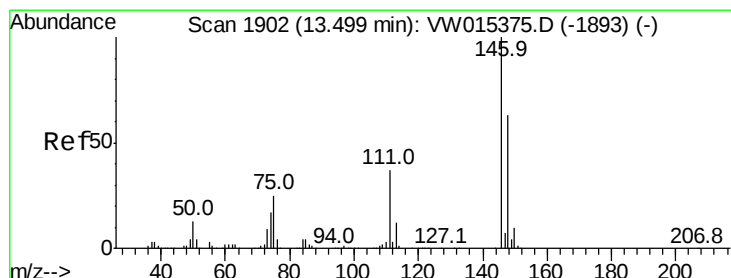
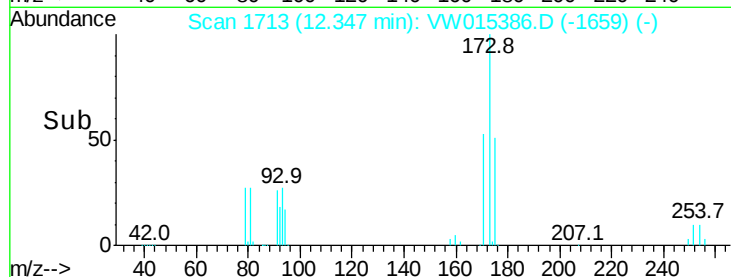
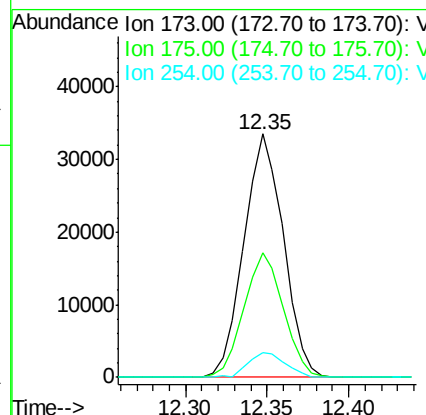
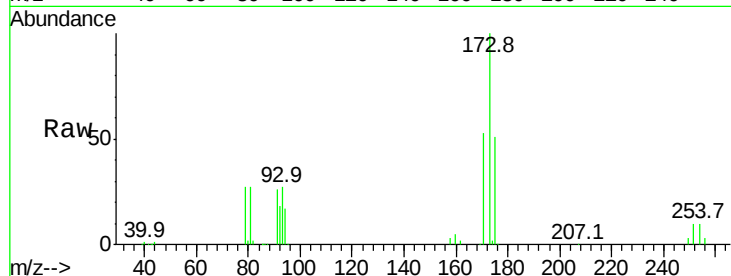




#62
Bromoform
Concen: 21.411 ug/L
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW015386.D
Acq: 04 May 2020 14:53

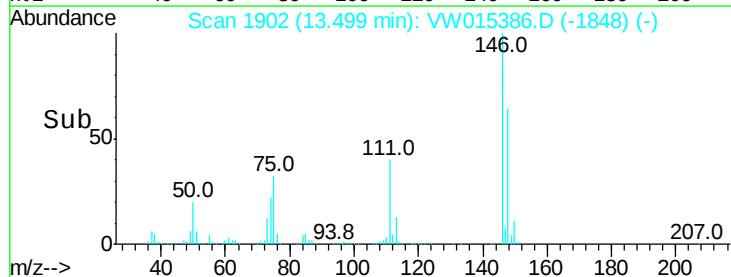
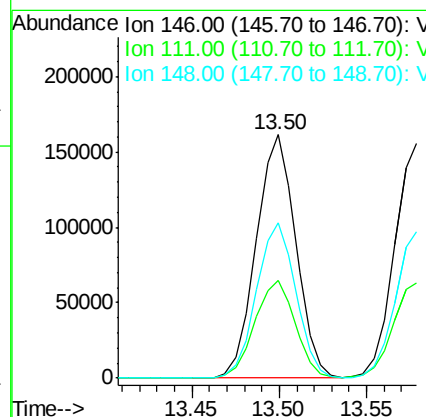
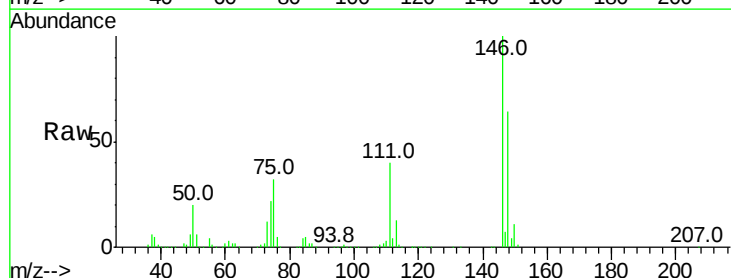
Instrument :
MSVOA_W
ClientSampleId :
VSTD02504

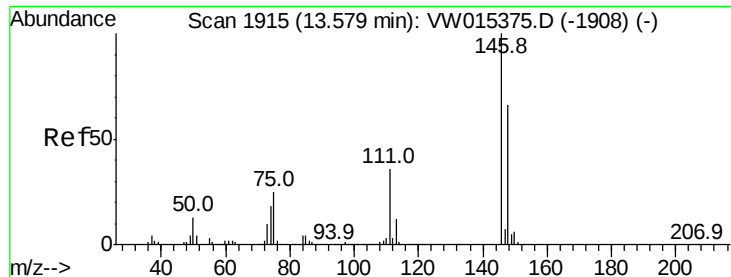
Tgt Ion:173 Resp: 56760
Ion Ratio Lower Upper
173 100
175 50.9 40.4 60.6
254 9.5 9.8 14.8#



#63
1,3-Dichlorobenzene
Concen: 24.768 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW015386.D
Acq: 04 May 2020 14:53

Tgt Ion:146 Resp: 253879
Ion Ratio Lower Upper
146 100
111 39.9 26.6 49.4
148 63.6 47.5 88.3

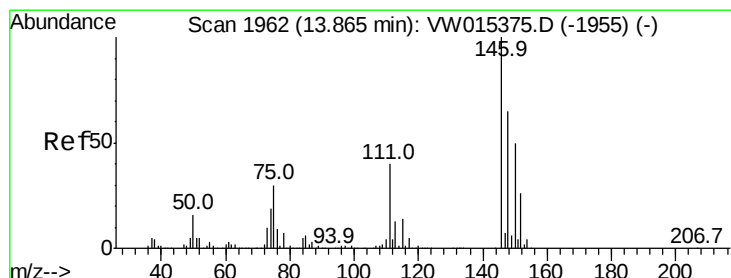
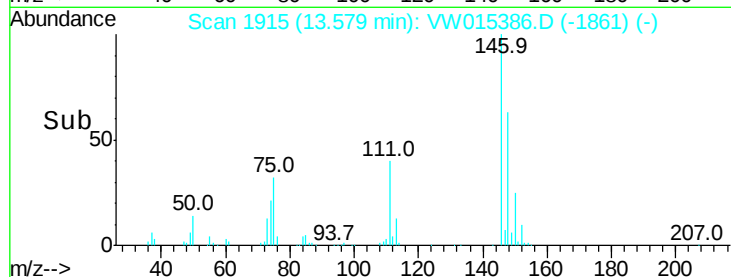
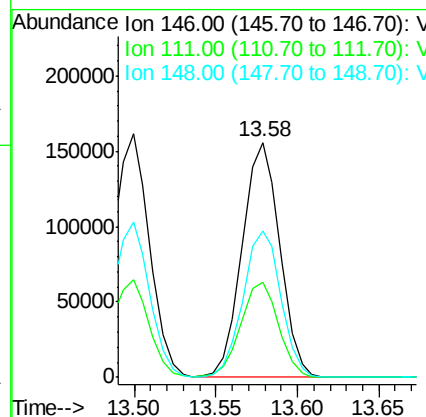
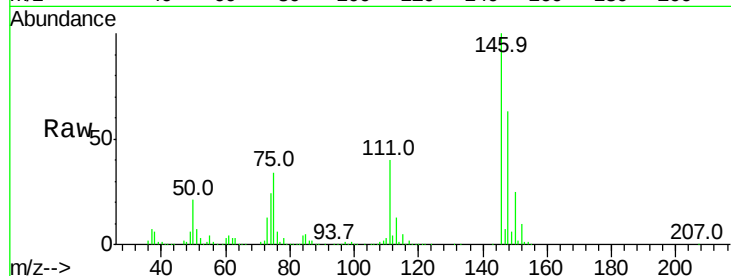




#64
 1,4-Dichlorobenzene
 Concen: 24.646 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015386.D
 Acq: 04 May 2020 14:53

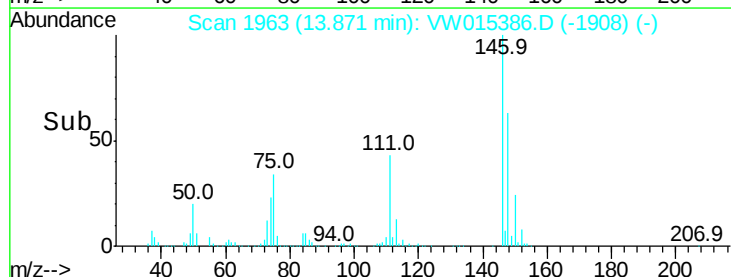
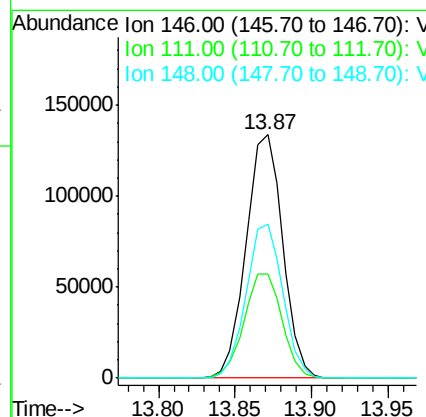
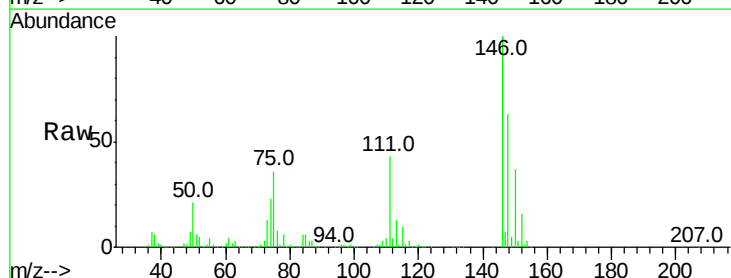
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

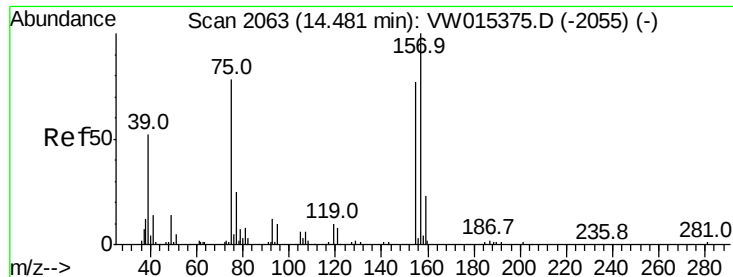
Tgt Ion:146 Resp: 249941
 Ion Ratio Lower Upper
 146 100
 111 40.3 25.5 47.3
 148 62.5 44.2 82.2



#65
 1,2-Dichlorobenzene
 Concen: 24.259 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW015386.D
 Acq: 04 May 2020 14:53

Tgt Ion:146 Resp: 223232
 Ion Ratio Lower Upper
 146 100
 111 42.9 31.4 47.0
 148 63.2 48.9 73.3





#66

1,2-Dibromo-3-chloropropane

Concen: 29.166 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

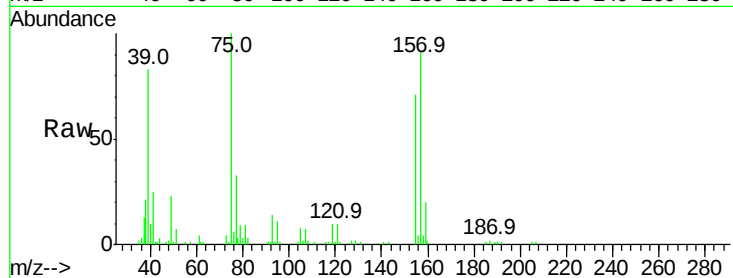
Tgt Ion: 75 Resp: 17560

Ion Ratio Lower Upper

75 100

157 90.9 94.6 141.8#

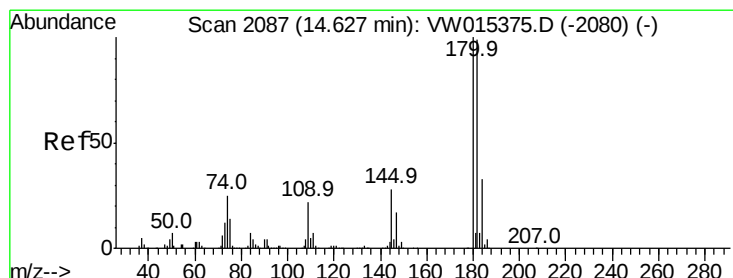
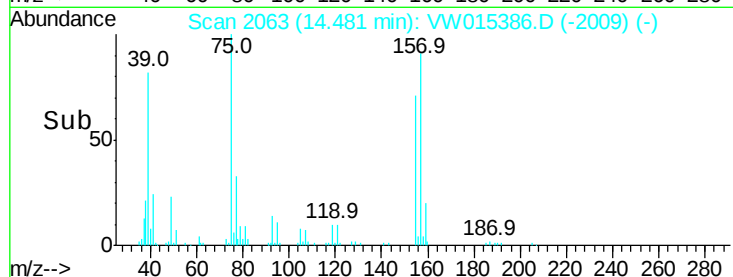
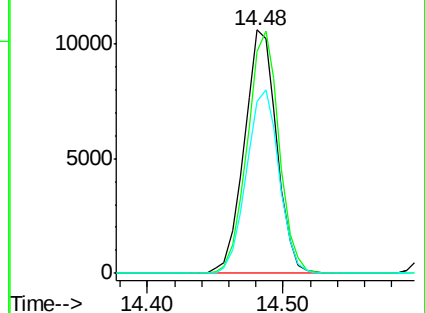
155 70.9 75.0 112.6#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V



#67

1,3,5-Trichlorobenzene

Concen: 22.120 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW015386.D

Acq: 04 May 2020 14:53

Tgt Ion: 180 Resp: 175276

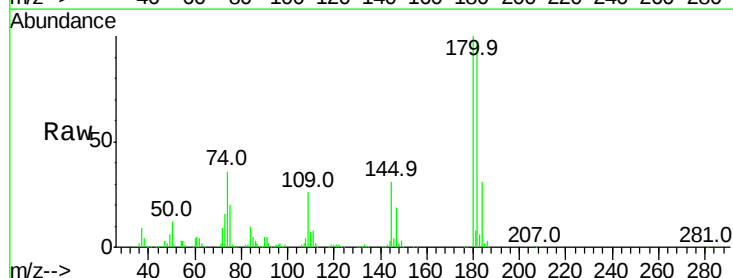
Ion Ratio Lower Upper

180 100

182 96.0 78.3 117.5

184 30.9 25.0 37.4

145 30.9 22.9 34.3

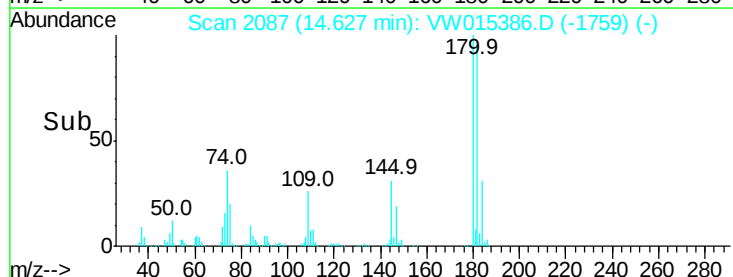
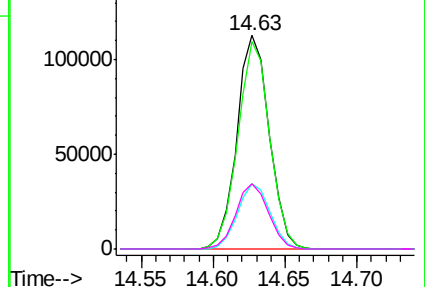


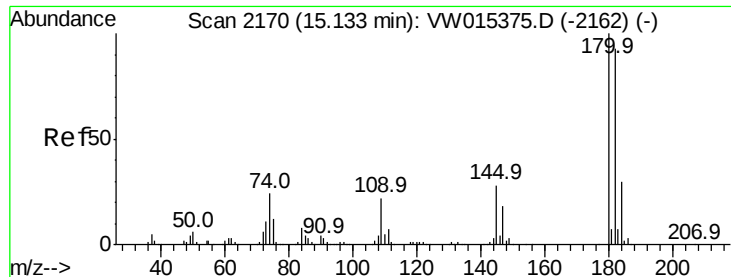
Abundance Ion 180.00 (179.70 to 180.70): V

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

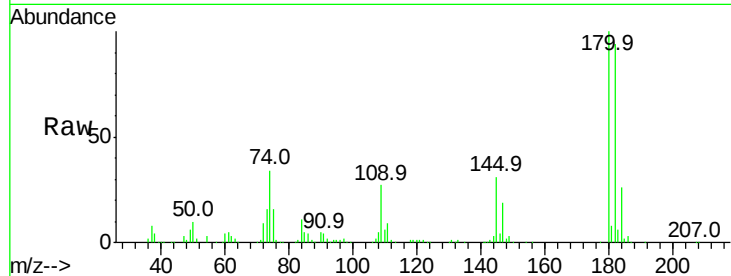




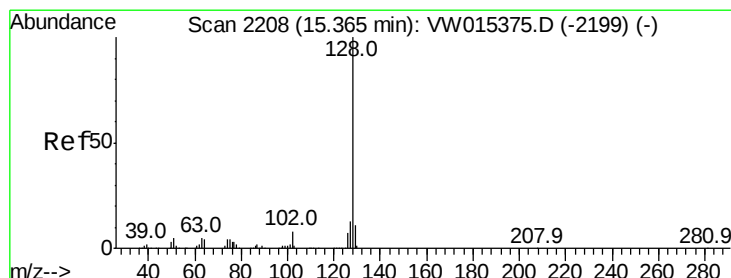
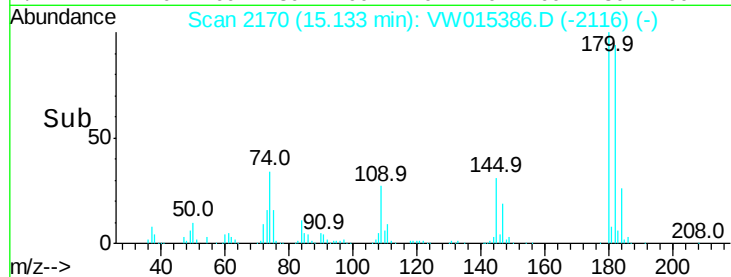
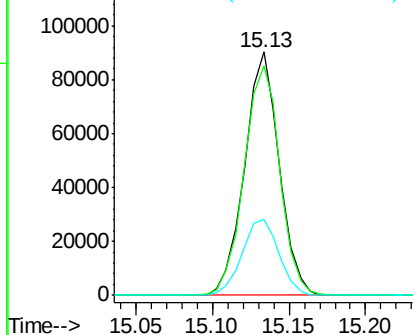
#68
 1,2,4-trichlorobenzene
 Concen: 21.747 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015386.D
 Acq: 04 May 2020 14:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	77.9	116.9
145	33.1	22.8	34.2

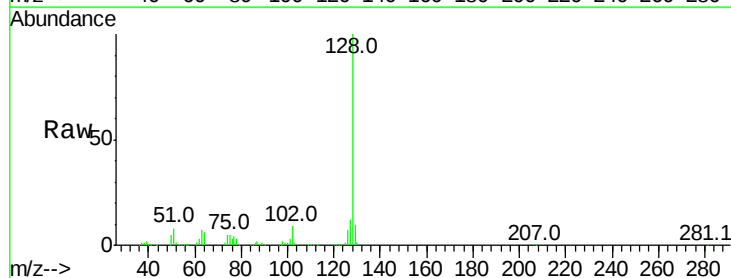


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

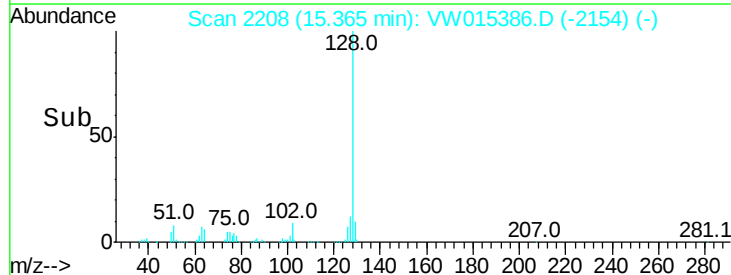
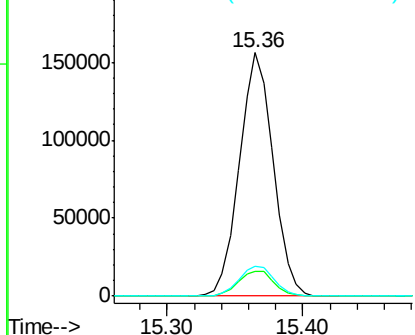


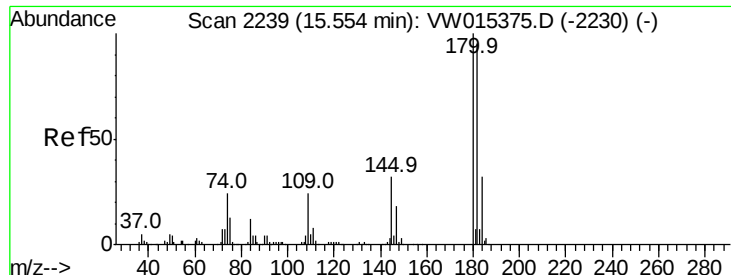
#69
 Naphthalene
 Concen: 24.868 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW015386.D
 Acq: 04 May 2020 14:53

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.9	10.2	15.4



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

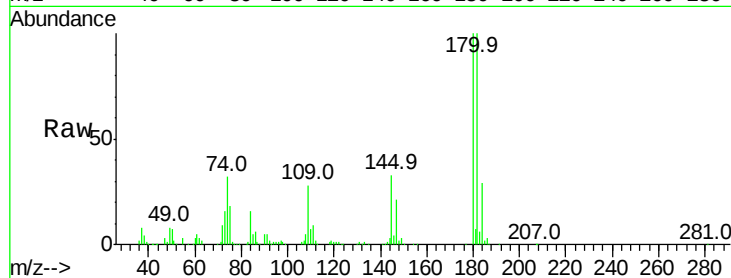




#70
 1,2,3-Trichlorobenzene
 Concen: 22.015 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW015386.D
 Acq: 04 May 2020 14:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.8	113.6
145	33.2	24.4	36.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

