

Data File : VW015349.D
Acq On : 27 Apr 2020 10:09
Operator : SY/VA
Sample : VSTD005
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

Quant Time: Apr 27 11:05:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042720S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 27 11:03:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	335304	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	306239	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	160404	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	21034	6.90	ug/L	0.00
7) Chloroethane-d5	2.89	69	18798	7.31	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	38601	5.00	ug/L	0.00
20) 2-Butanone-d5	7.09	46	8709	8.87	ug/L	0.00
24) Chloroform-d	7.65	84	28164	3.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	21269	5.78	ug/L	0.00
29) Benzene-d6	8.27	84	77895	4.71	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	21332	4.29	ug/L	0.00
37) Toluene-d8	10.32	98	79879	5.09	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	11168	5.03	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	8008	9.02	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	17875	4.92	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	30550	5.42	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	25144	7.350 ug/L	99
3) Chloromethane	2.22	50	21221	5.163 ug/L	99
5) Vinyl chloride	2.36	62	24487	6.117 ug/L	99
6) Bromomethane	2.77	94	16640	7.393 ug/L	97
8) Chloroethane	2.92	64	15001	6.570 ug/L	98
9) Trichlorofluoromethane	3.26	101	37490	11.741 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	23163	5.093 ug/L	99
12) 1,1-Dichloroethene	4.04	96	20538	4.657 ug/L #	85
13) Acetone	4.13	43	6696	9.410 ug/L	99
14) Carbon disulfide	4.38	76	63996	4.622 ug/L	100
15) Methyl Acetate	4.68	43	7517	4.602 ug/L	94
16) Methylene chloride	4.92	84	22384	4.800 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	48745	8.362 ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	22845	5.051 ug/L	100
19) 1,1-Dichloroethane	6.22	63	34831	4.537 ug/L	99
21) 2-Butanone	7.18	43	10352	9.035 ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	23010	4.870 ug/L	98
23) Bromochloromethane	7.52	128	11053	5.622 ug/L	92
25) Chloroform	7.68	83	50475	6.756 ug/L	99
27) 1,2-Dichloroethane	8.40	62	25187	5.641 ug/L	98
30) Cyclohexane	7.96	56	33326	4.017 ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	39054	5.750 ug/L	98
32) Carbon tetrachloride	8.07	117	34208	5.500 ug/L	98
34) Benzene	8.32	78	82253	4.378 ug/L	100
35) Trichloroethene	9.09	95	24230	4.982 ug/L	99
36) Methylcyclohexane	9.34	83	40143	4.473 ug/L	98
40) 1,2-Dichloropropane	9.37	63	19120	4.197 ug/L	99
41) Bromodichloromethane	9.65	83	29090	5.115 ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	33420	4.664 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	20854	7.909 ug/L	99

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QLast Update : Mon Apr 27 11:03:58 2020
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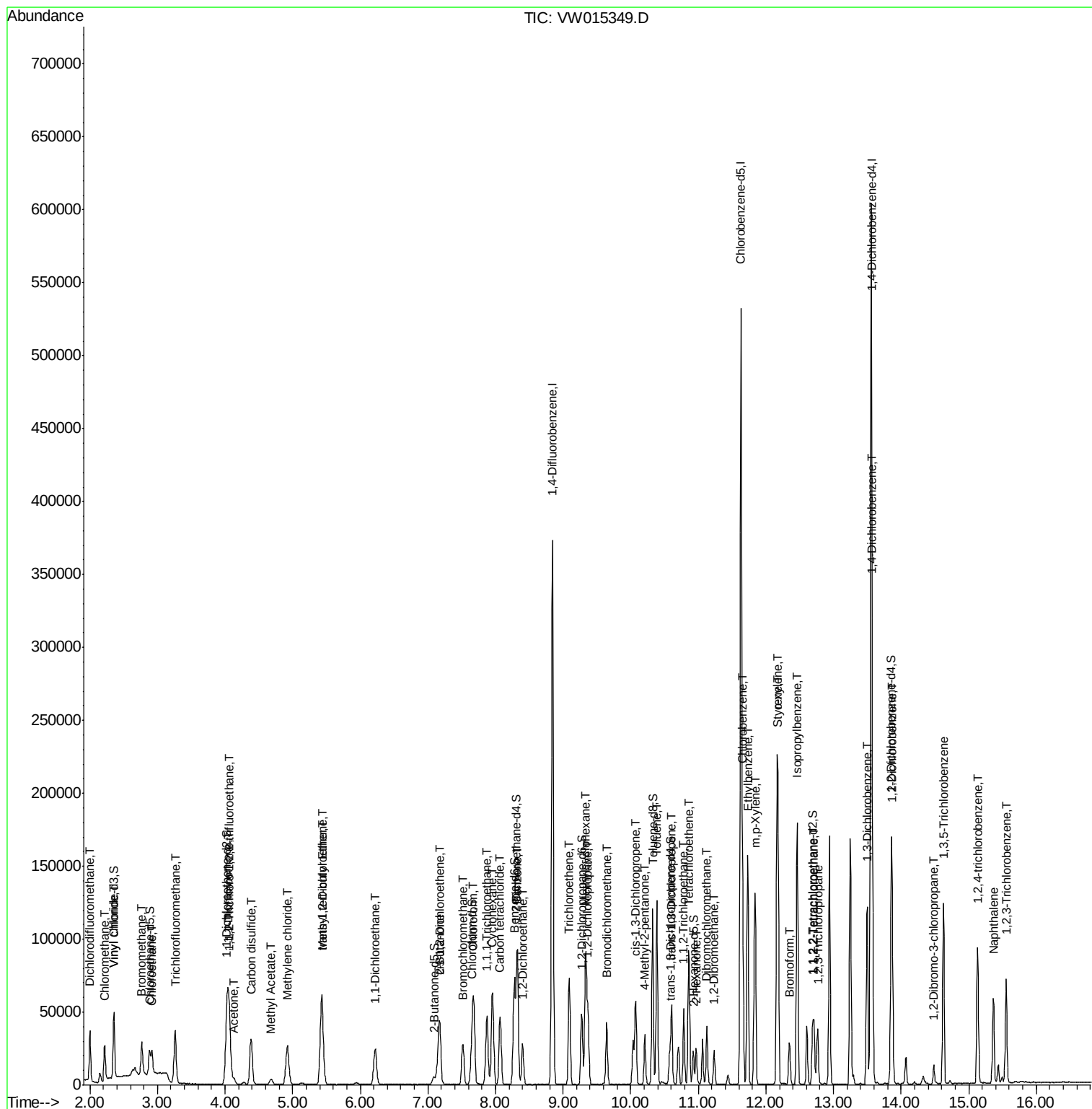
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	95160	4.772	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	29161	4.810	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	16239	5.037	ug/L	96
47) Tetrachloroethene	10.86	164	21918	5.934	ug/L	97
49) 2-Hexanone	10.97	43	14869	8.543	ug/L	98
50) Dibromochloromethane	11.13	129	20954	5.525	ug/L	93
51) 1,2-Dibromoethane	11.24	107	16407	5.415	ug/L	95
52) Chlorobenzene	11.66	112	64072	5.206	ug/L	98
53) Ethylbenzene	11.73	91	111595	4.991	ug/L	97
54) m,p-Xylene	11.84	106	44426	5.161	ug/L	95
55) o-xylene	12.16	106	42407	5.145	ug/L	98
56) Styrene	12.18	104	70745	5.137	ug/L	100
57) Isopropylbenzene	12.46	105	115007	5.194	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	17457	4.720	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	13318	4.896	ug/L	90
62) Bromoform	12.35	173	13208	5.324	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	53863	5.114	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	54032	5.247	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	48534	5.195	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	3246	4.585	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	40131	5.582	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	31408	5.312	ug/L	99
69) Naphthalene	15.36	128	52260	4.422	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	27147	5.368	ug/L	96

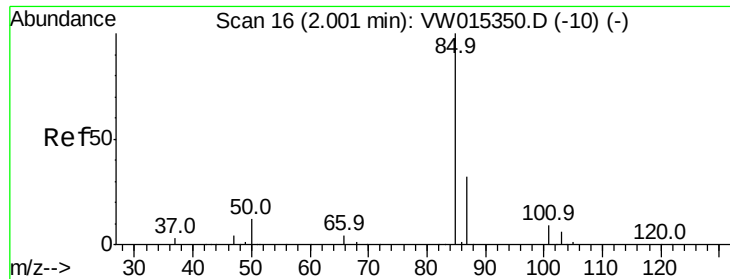
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#2

Dichlorodifluoromethane

Concen: 7.350 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

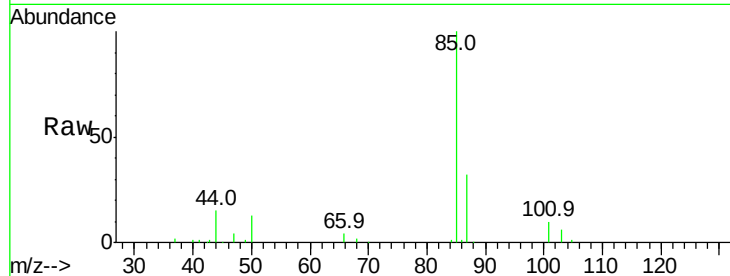
VSTD00501

Tgt Ion: 85 Resp: 25144

Ion Ratio Lower Upper

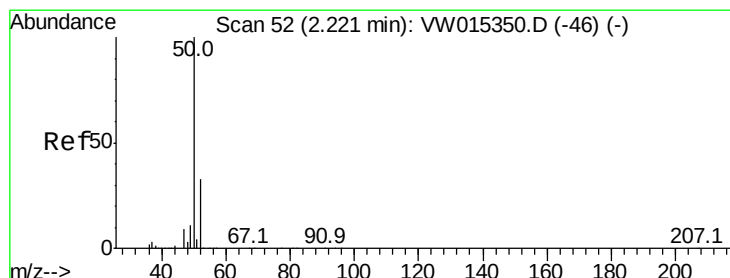
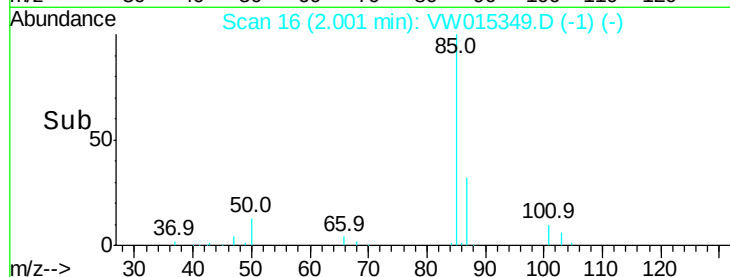
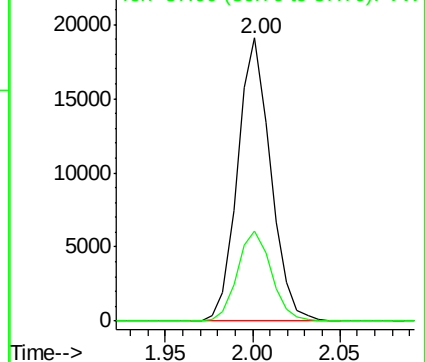
85 100

87 32.7 22.6 42.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 5.163 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW015349.D

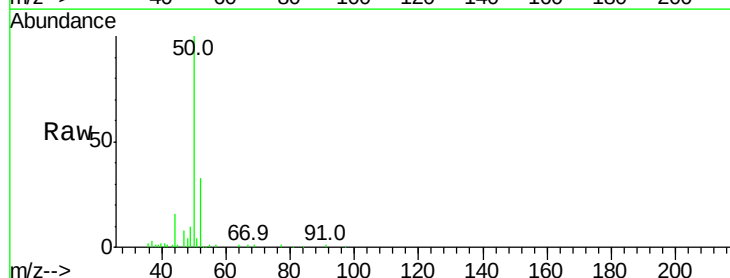
Acq: 27 Apr 2020 10:09

Tgt Ion: 50 Resp: 21221

Ion Ratio Lower Upper

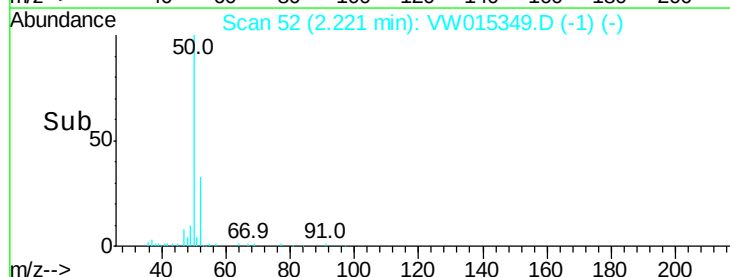
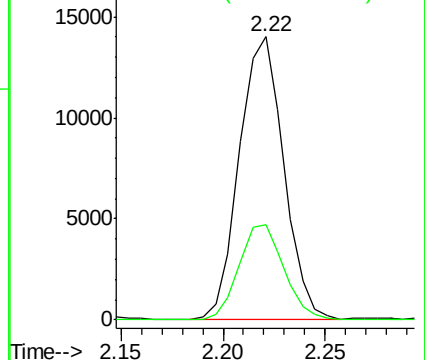
50 100

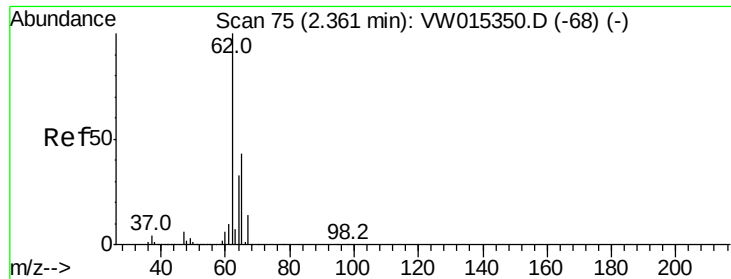
52 33.4 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 6.117 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

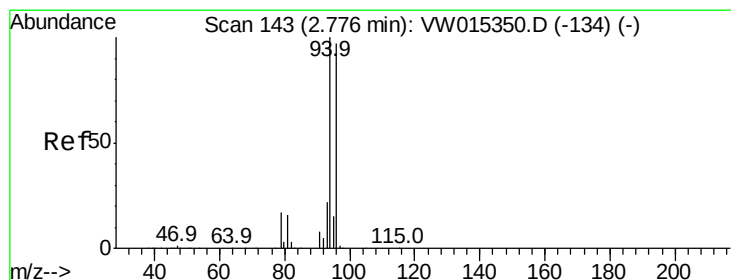
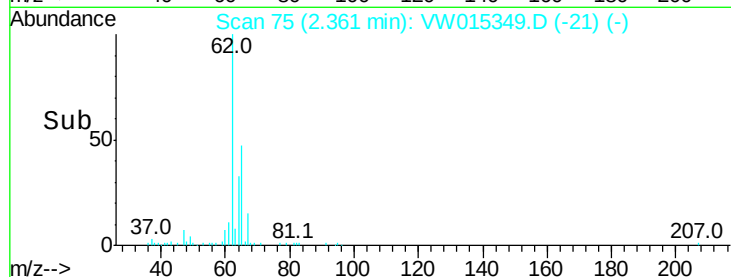
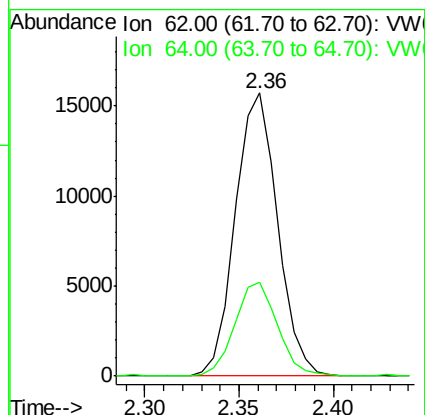
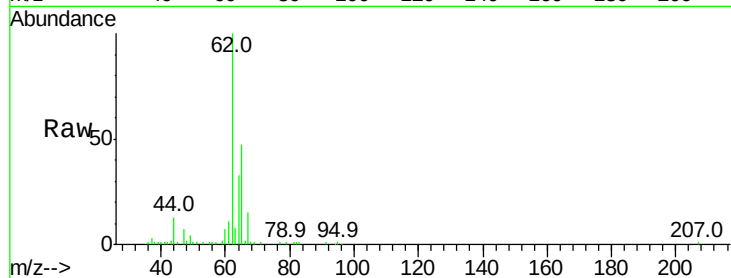
VSTD00501

Tgt Ion: 62 Resp: 24487

Ion Ratio Lower Upper

62 100

64 33.1 22.7 42.3



#6

Bromomethane

Concen: 7.393 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW015349.D

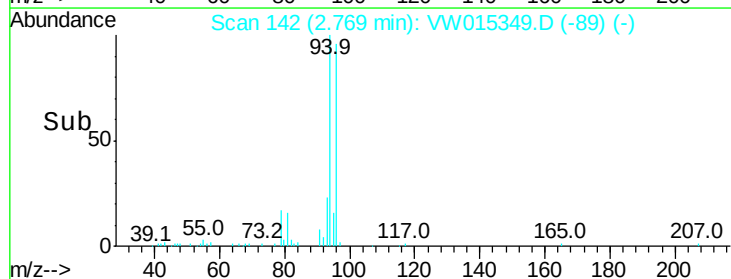
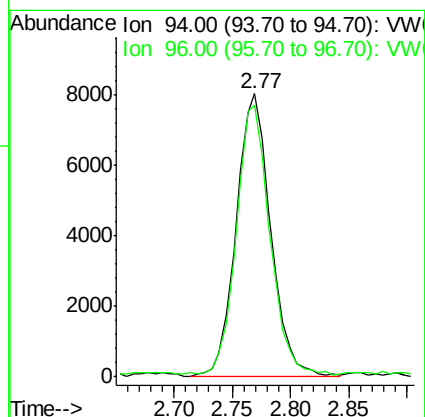
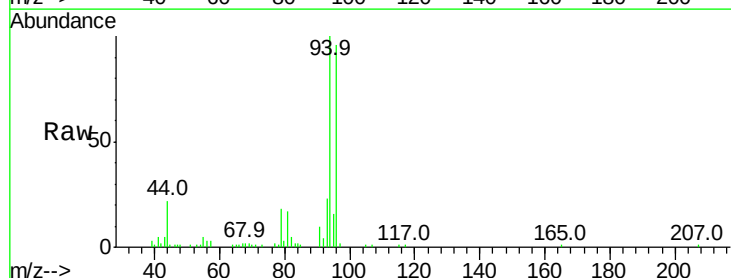
Acq: 27 Apr 2020 10:09

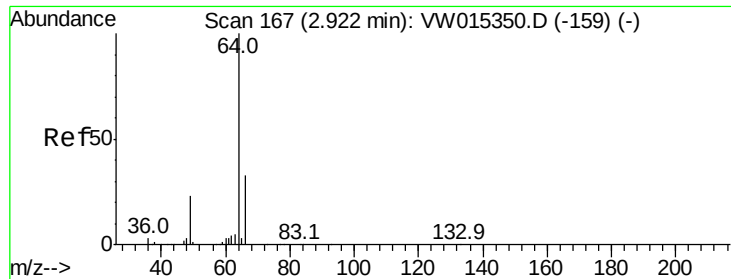
Tgt Ion: 94 Resp: 16640

Ion Ratio Lower Upper

94 100

96 91.9 9.5 180.5





#8

Chloroethane

Concen: 6.570 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

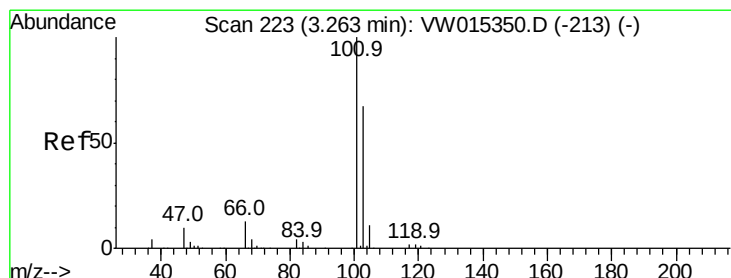
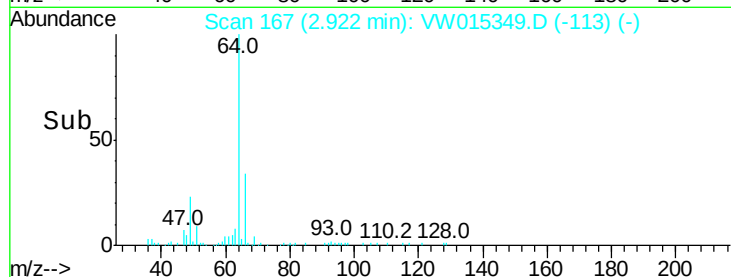
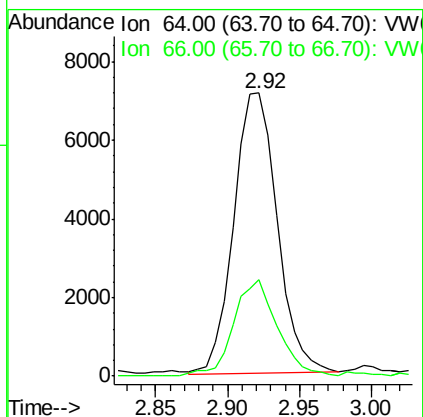
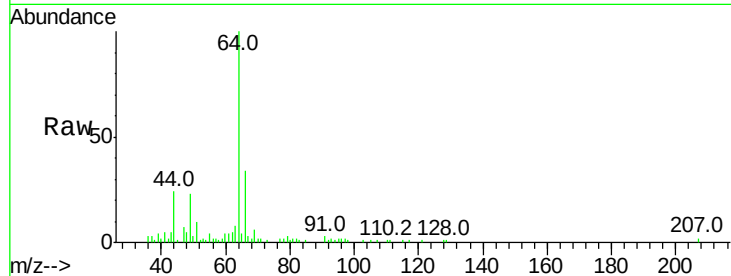
VSTD00501

Tgt Ion: 64 Resp: 15001

Ion Ratio Lower Upper

64 100

66 34.0 22.9 42.5



#9

Trichlorofluoromethane

Concen: 11.741 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW015349.D

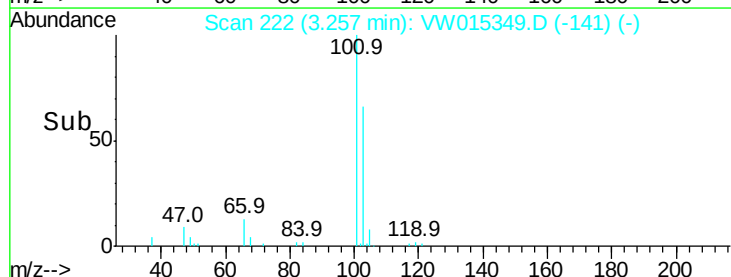
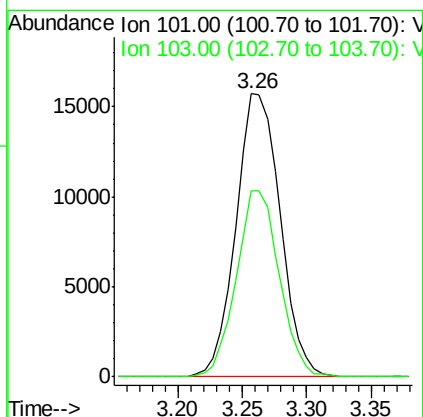
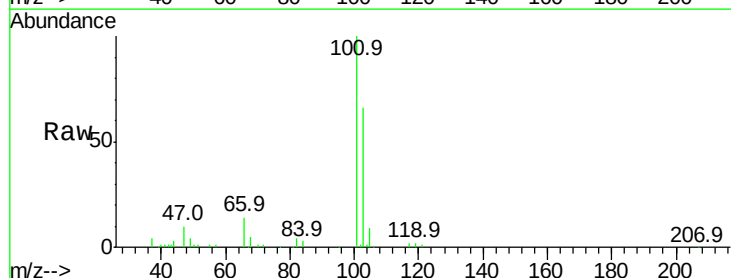
Acq: 27 Apr 2020 10:09

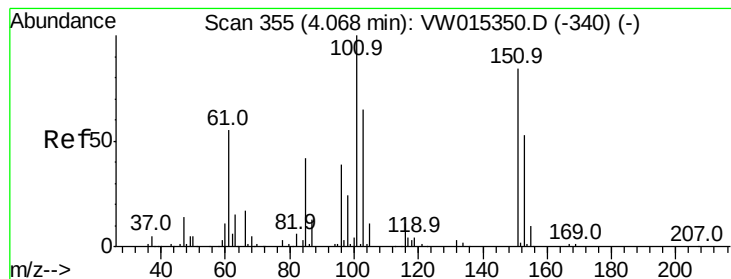
Tgt Ion: 101 Resp: 37490

Ion Ratio Lower Upper

101 100

103 63.9 45.8 85.2





#11

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

Concen: 5.093 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD00501

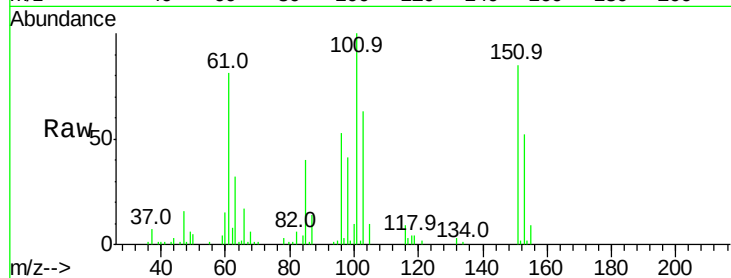
Tgt Ion:101 Resp: 23163

Ion Ratio Lower Upper

101 100

85 40.8 34.0 51.0

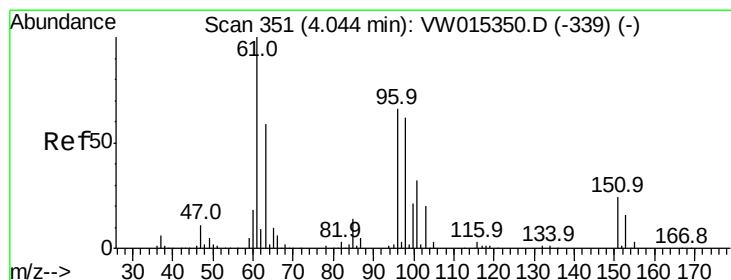
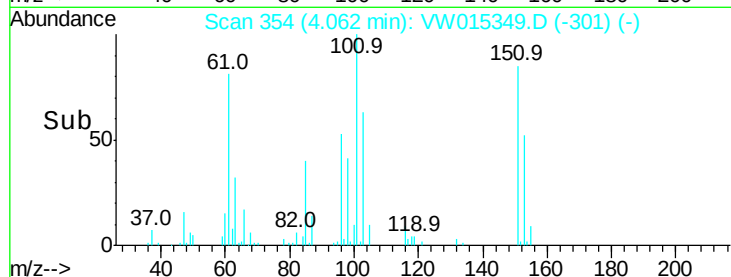
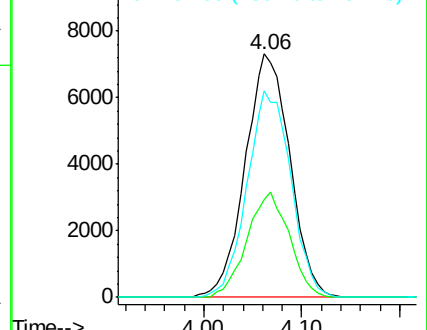
151 83.1 67.0 100.4



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: 4.657 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

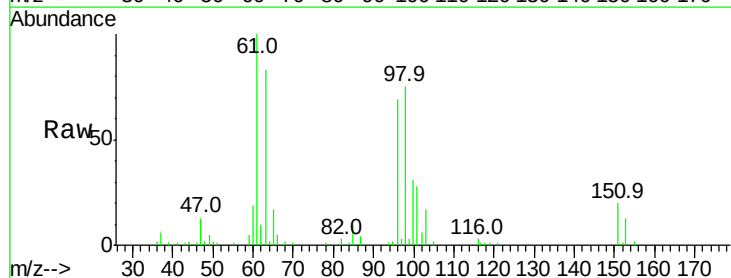
Tgt Ion: 96 Resp: 20538

Ion Ratio Lower Upper

96 100

61 144.3 106.2 197.2

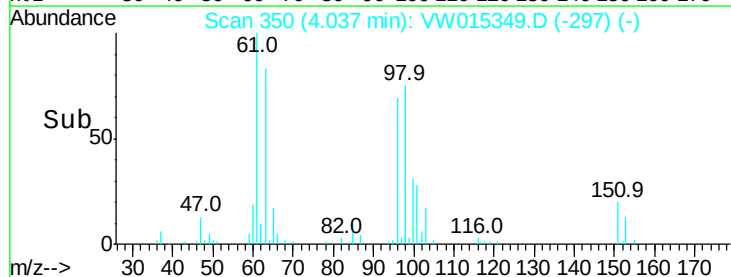
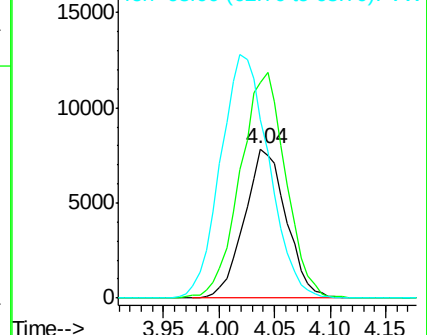
63 119.1 63.7 118.3#

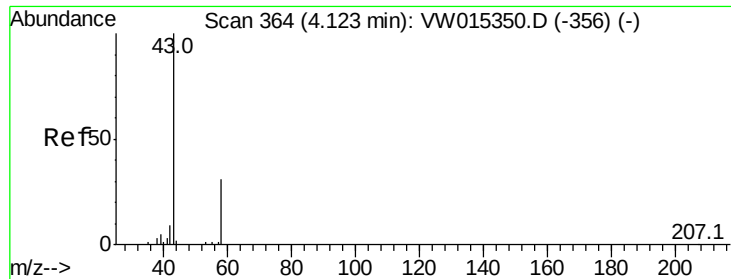


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 9.410 ug/L

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

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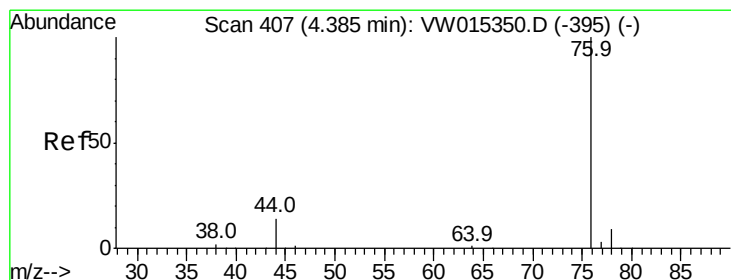
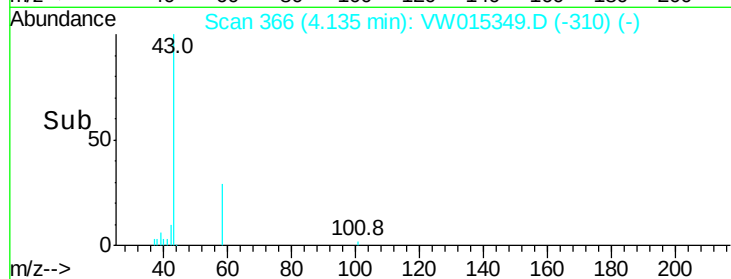
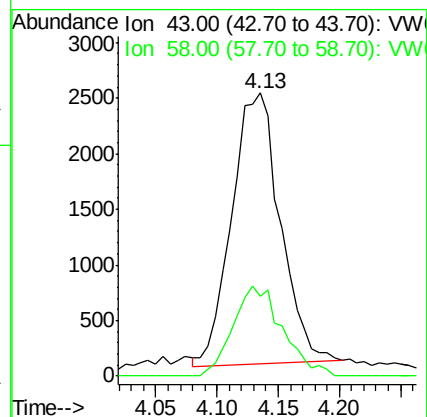
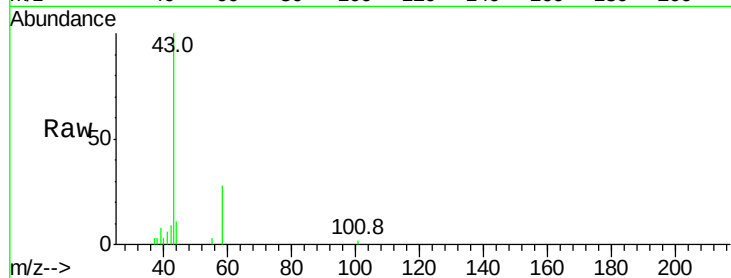
VSTD00501

Tgt Ion: 43 Resp: 6696

Ion Ratio Lower Upper

43 100

58 33.3 0.0 65.8



#14

Carbon disulfide

Concen: 4.622 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW015349.D

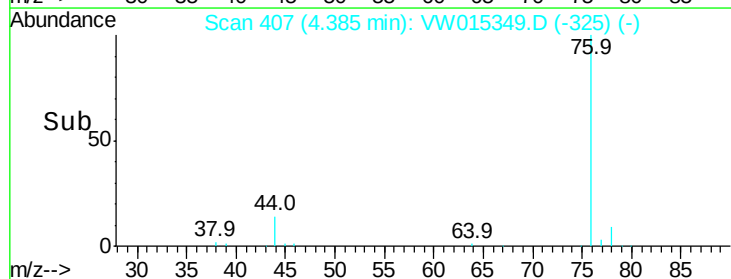
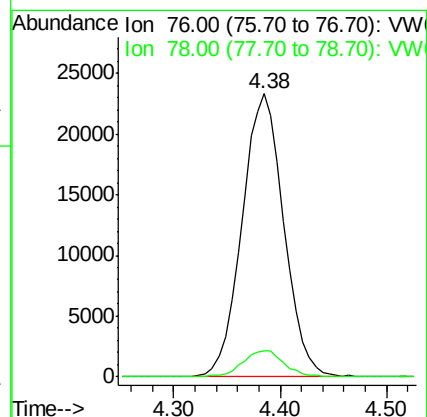
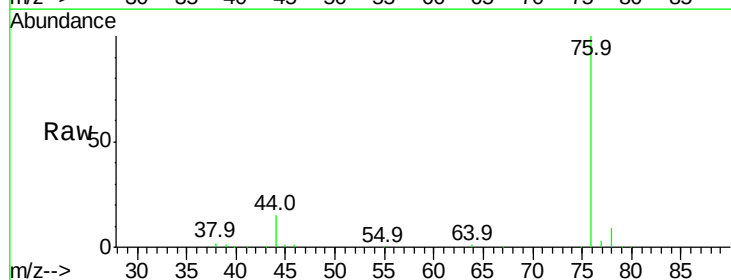
Acq: 27 Apr 2020 10:09

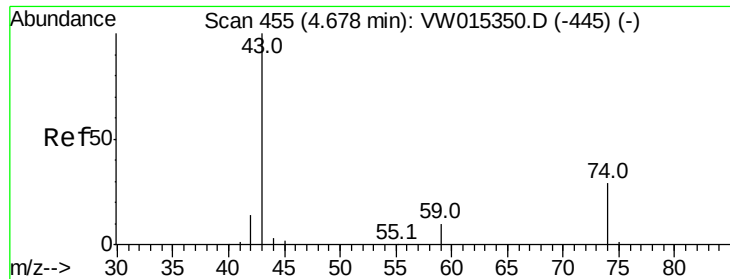
Tgt Ion: 76 Resp: 63996

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

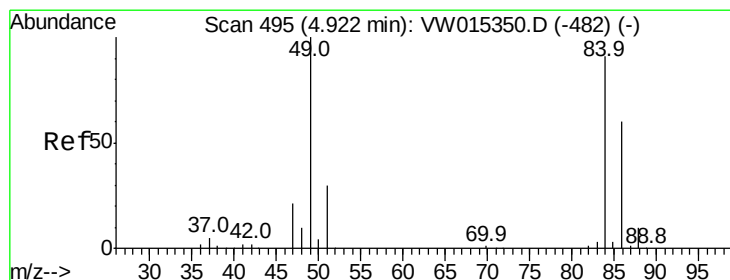
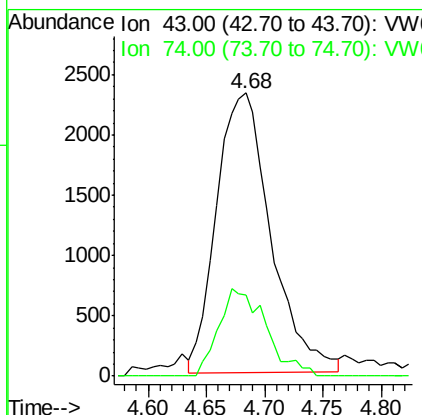
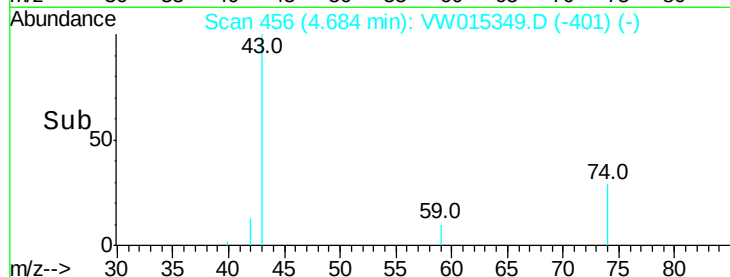
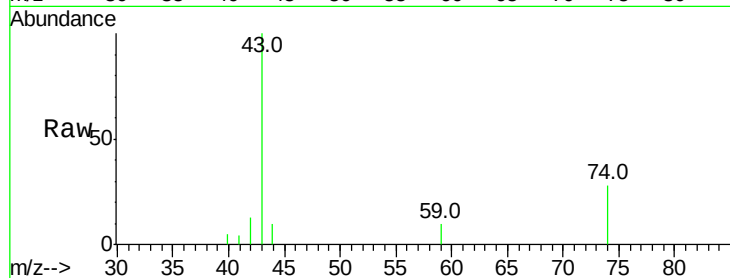




#15
Methyl Acetate
Concen: 4.602 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW015349.D
Acq: 27 Apr 2020 10:09

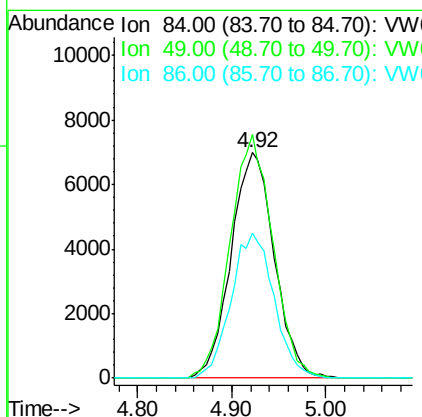
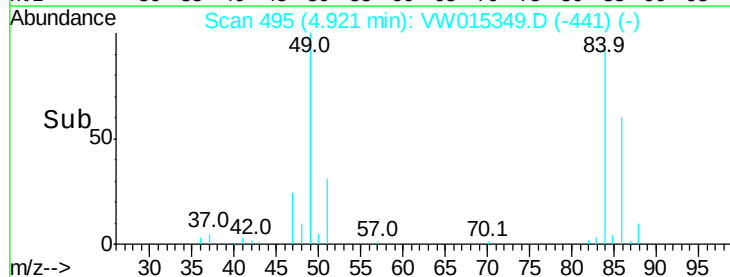
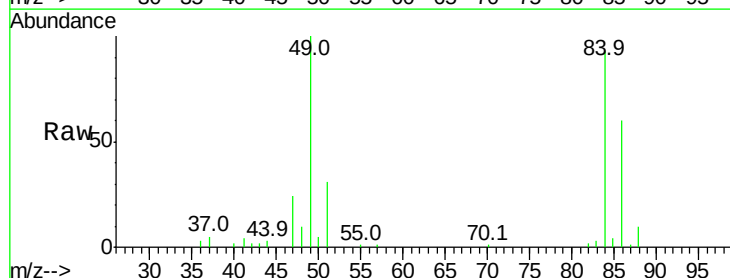
Instrument :
MSVOA_W
ClientSampled :
VSTD00501

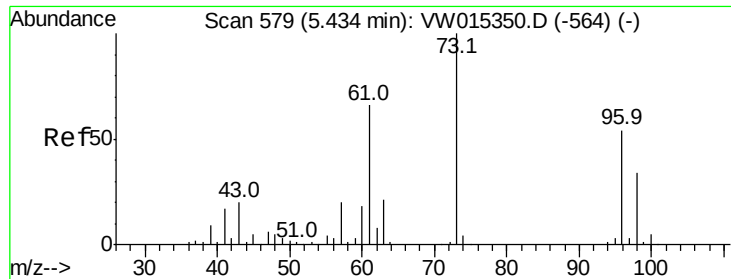
Tgt Ion: 43 Resp: 7517
Ion Ratio Lower Upper
43 100
74 25.3 22.9 34.3



#16
Methylene chloride
Concen: 4.800 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW015349.D
Acq: 27 Apr 2020 10:09

Tgt Ion: 84 Resp: 22384
Ion Ratio Lower Upper
84 100
49 107.9 76.7 142.5
86 64.3 45.9 85.3

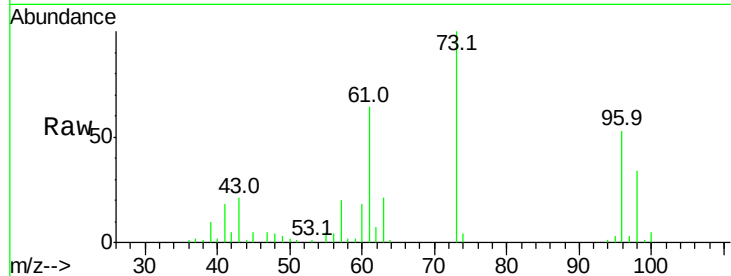




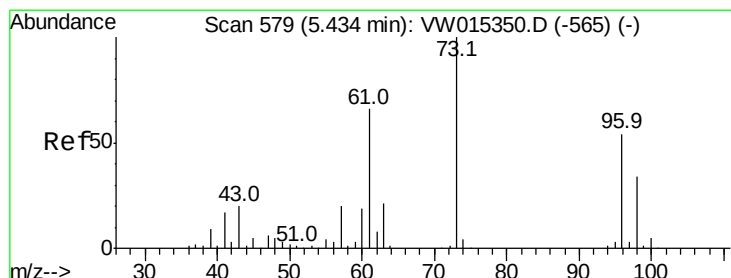
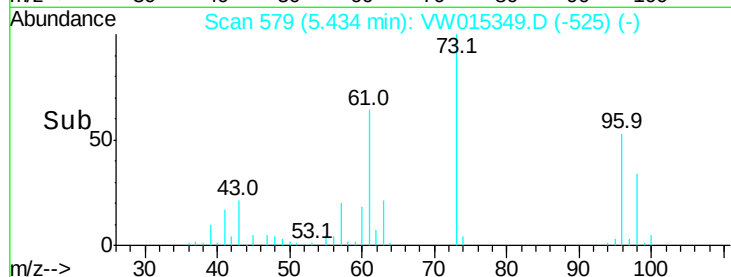
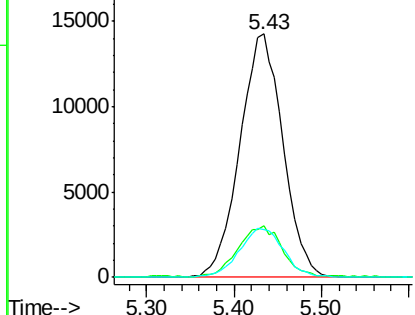
#17
Methyl tert-butyl Ether
Concen: 8.362 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW015349.D
Acq: 27 Apr 2020 10:09

Instrument :
MSVOA_W
ClientSampled :
VSTD00501

Tgt Ion: 73 Resp: 48745
Ion Ratio Lower Upper
73 100
43 22.1 16.6 24.8
57 21.0 16.1 24.1

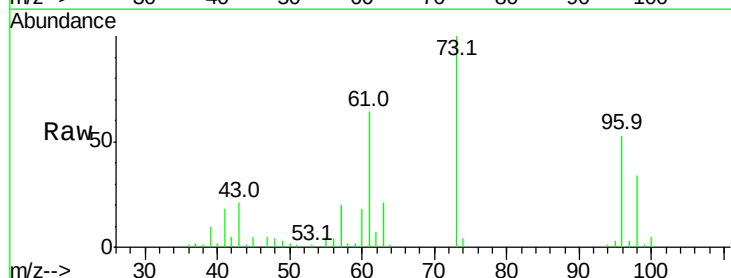


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

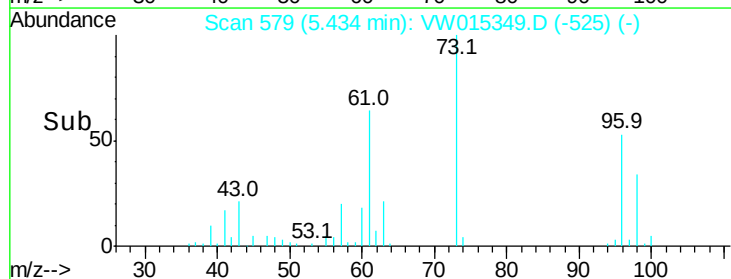
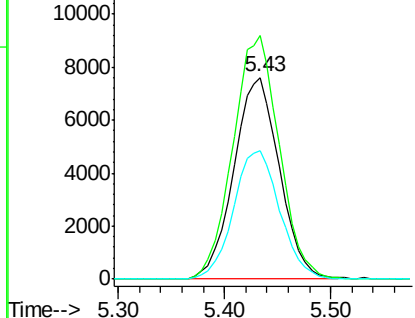


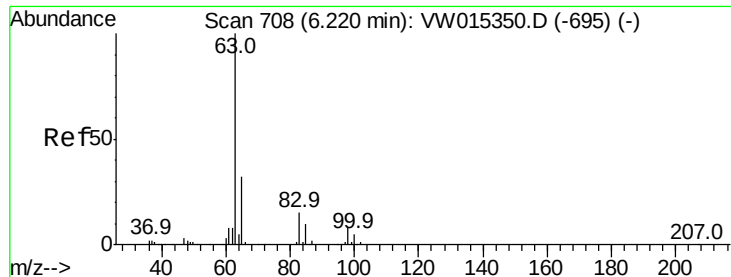
#18
trans-1,2-Dichloroethene
Concen: 5.051 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW015349.D
Acq: 27 Apr 2020 10:09

Tgt Ion: 96 Resp: 22845
Ion Ratio Lower Upper
96 100
61 120.7 84.9 157.7
98 63.4 44.4 82.4



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: 4.537 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

Instrument :

MSVOA_W

ClientSampled :

VSTD00501

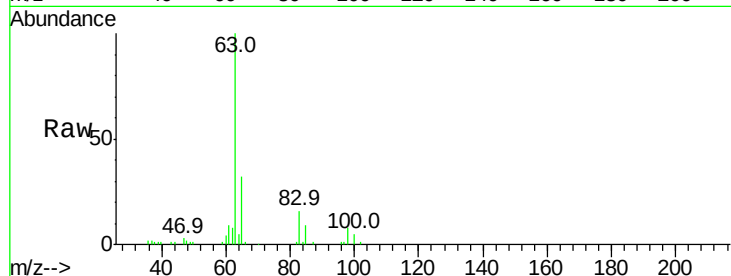
Tgt Ion: 63 Resp: 34831

Ion Ratio Lower Upper

63 100

65 32.4 22.3 41.3

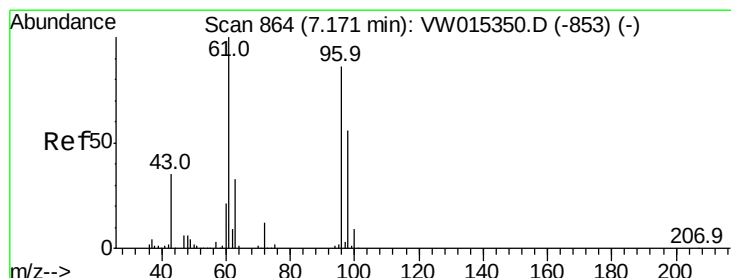
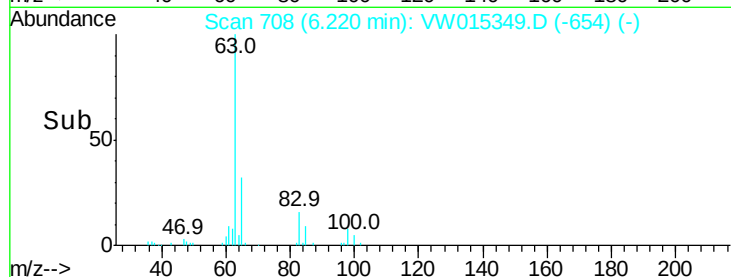
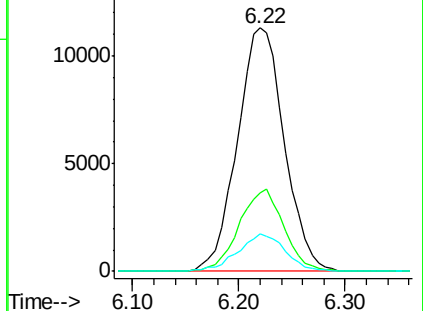
83 15.6 10.6 19.6



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: 9.035 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015349.D

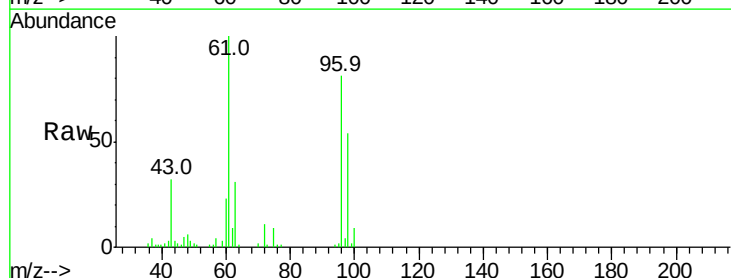
Acq: 27 Apr 2020 10:09

Tgt Ion: 43 Resp: 10352

Ion Ratio Lower Upper

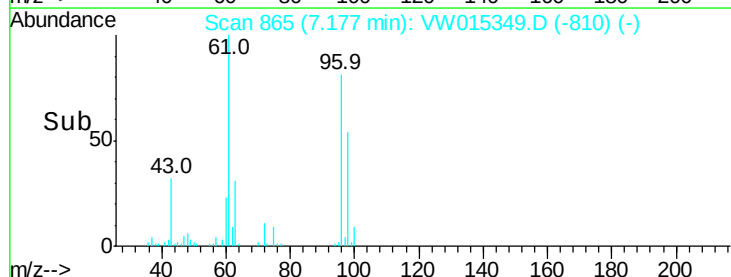
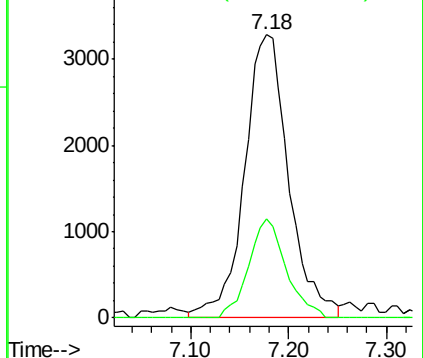
43 100

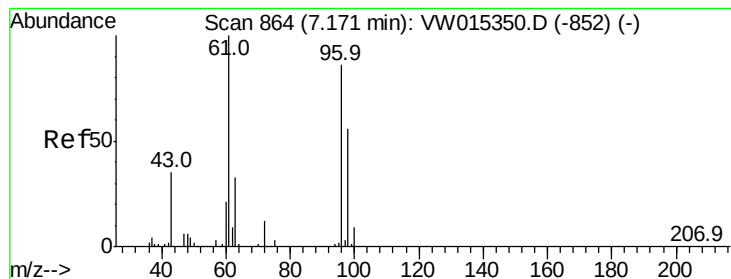
72 29.6 16.6 49.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#22

cis-1,2-Dichloroethene

Concen: 4.870 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD00501

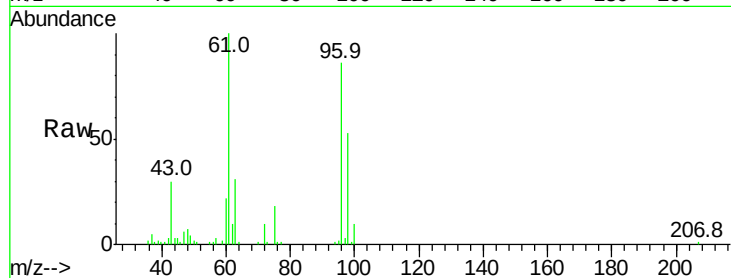
Tgt Ion: 96 Resp: 23010

Ion Ratio Lower Upper

96 100

61 116.2 81.2 150.8

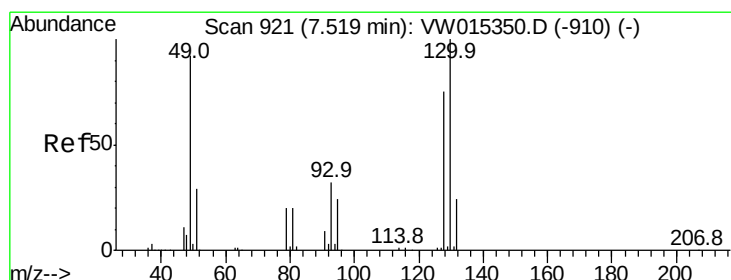
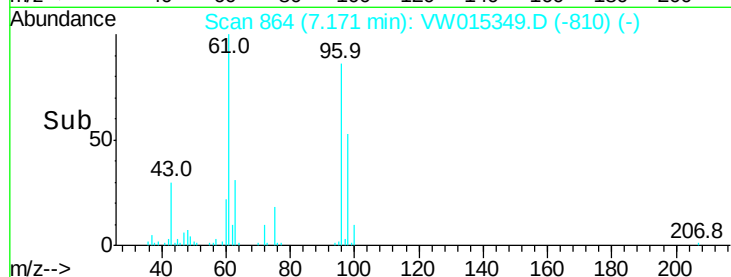
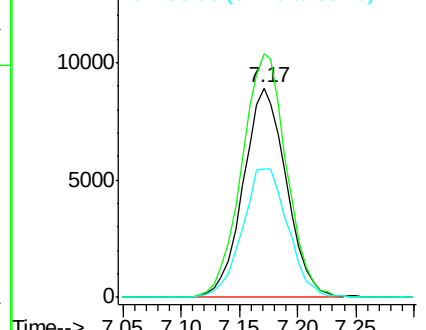
98 61.6 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane

Concen: 5.622 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

Tgt Ion: 128 Resp: 11053

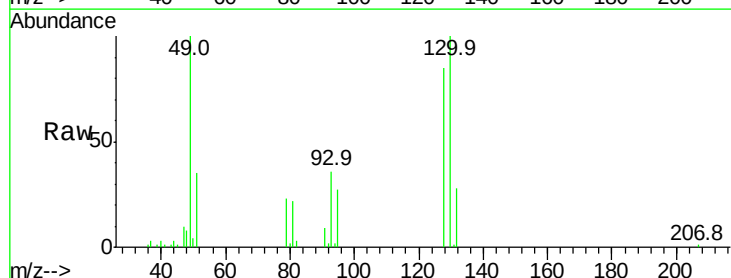
Ion Ratio Lower Upper

128 100

49 116.9 85.1 158.1

130 117.0 92.9 172.5

51 40.8 31.0 46.6

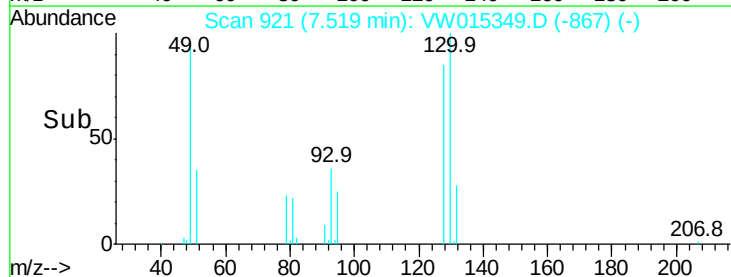
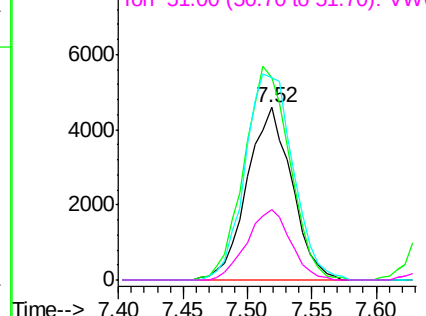


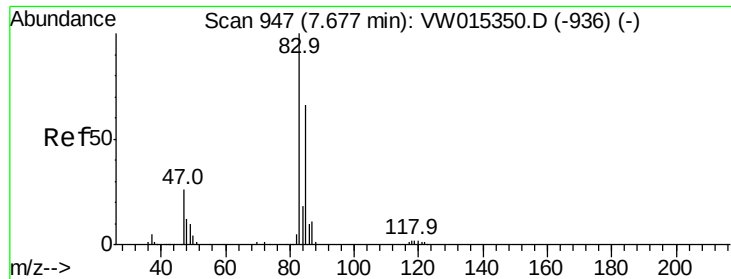
Abundance Ion 128.00 (127.70 to 128.70): V

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

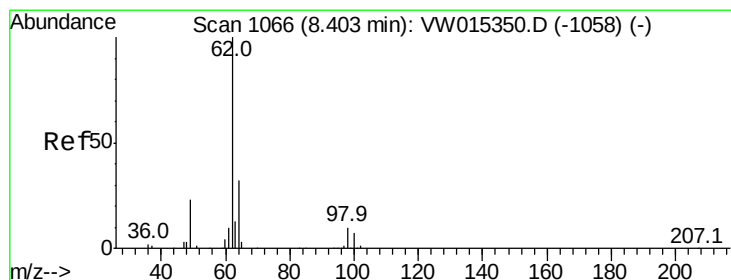
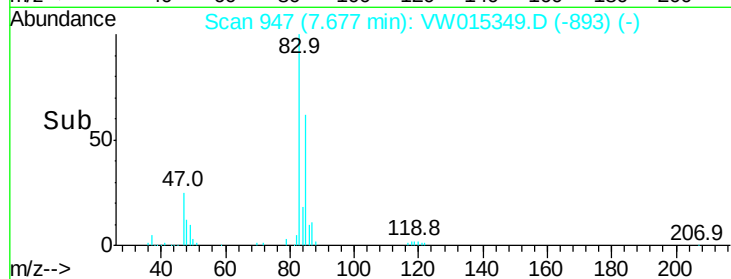
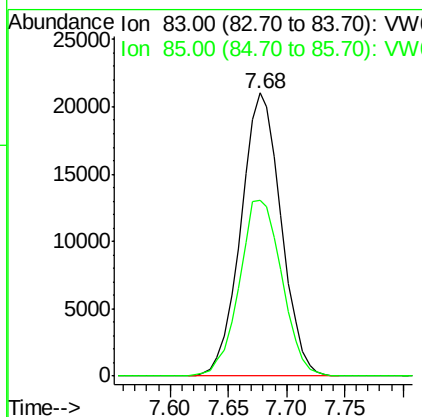
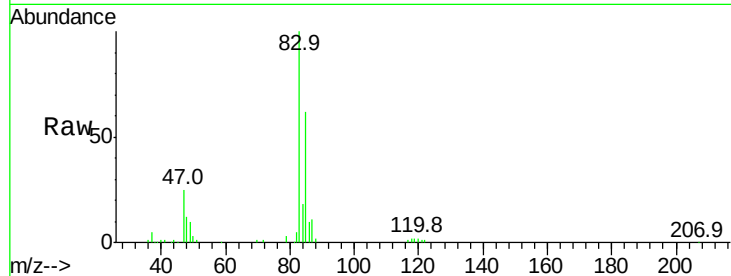




#25
Chloroform
Concen: 6.756 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015349.D
Acq: 27 Apr 2020 10:09

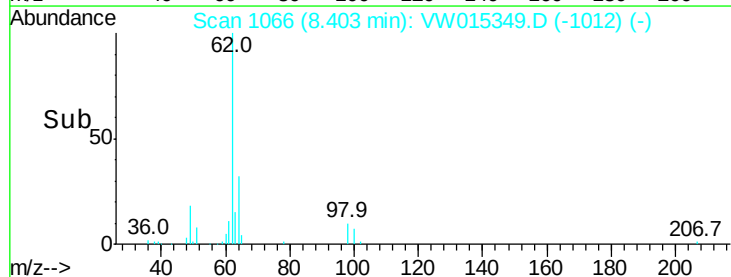
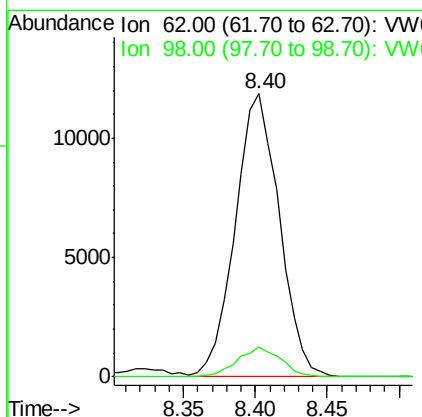
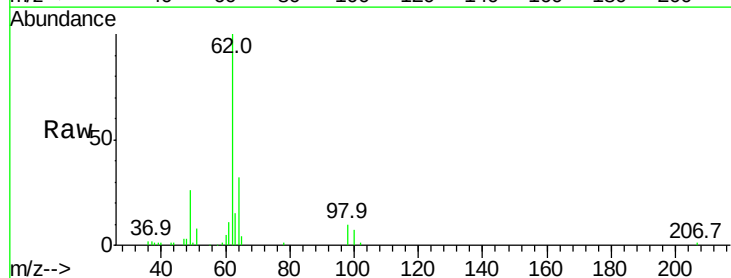
Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

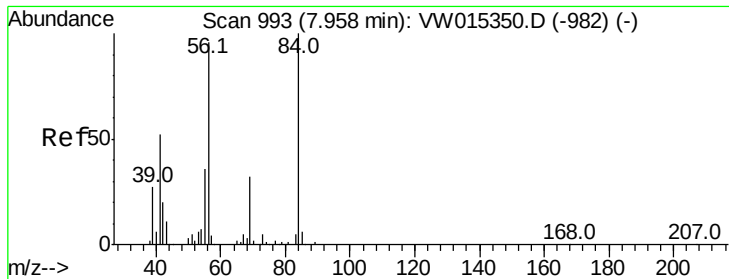
Tgt Ion: 83 Resp: 50475
Ion Ratio Lower Upper
83 100
85 66.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.641 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015349.D
Acq: 27 Apr 2020 10:09

Tgt Ion: 62 Resp: 25187
Ion Ratio Lower Upper
62 100
98 10.4 7.8 11.6

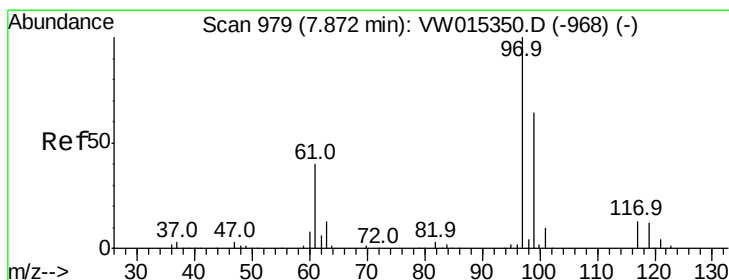
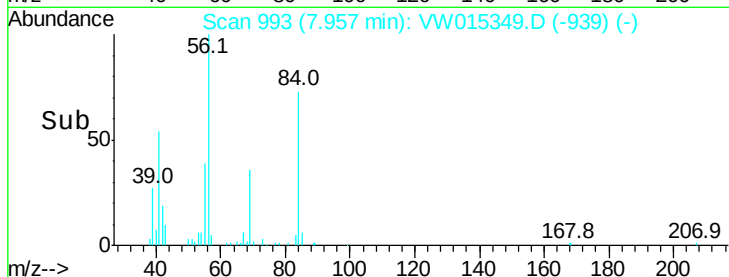
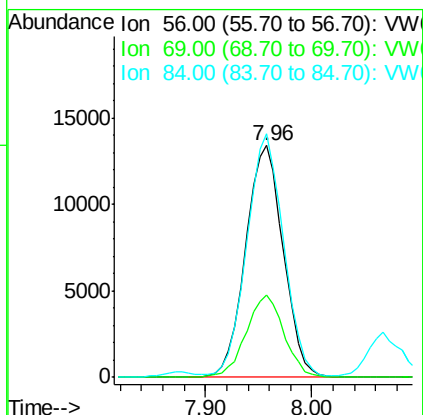
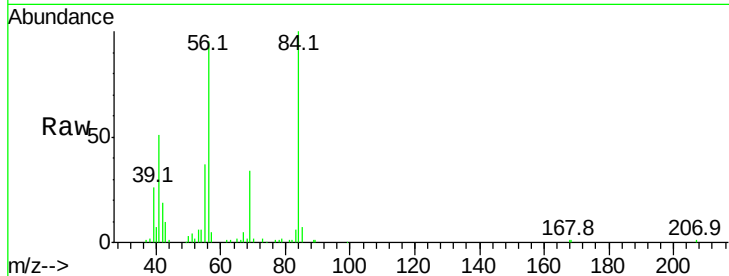




#30
Cyclohexane
Concen: 4.017 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015349.D
Acq: 27 Apr 2020 10:09

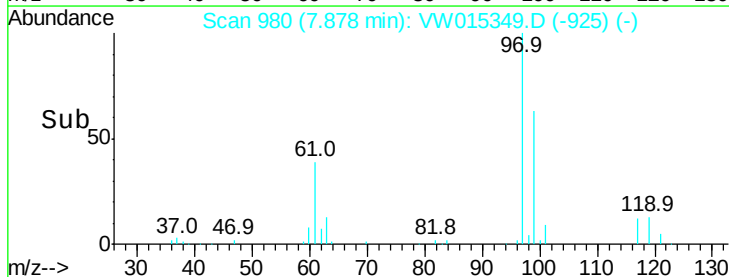
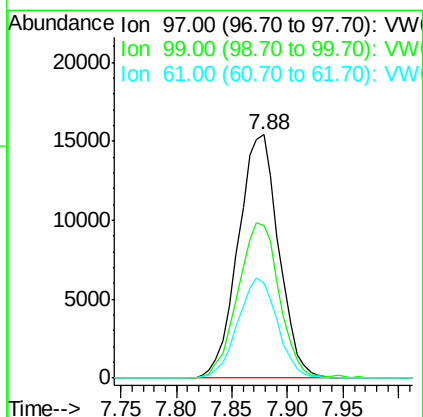
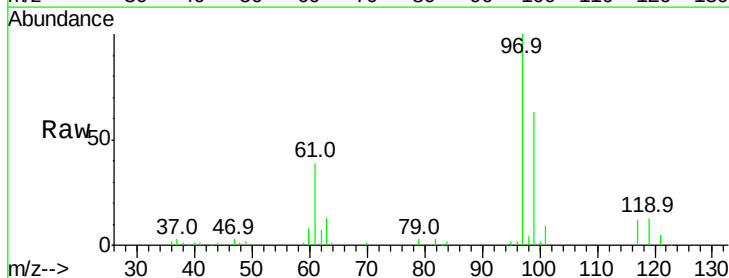
Instrument :
MSVOA_W
ClientSampled :
VSTD00501

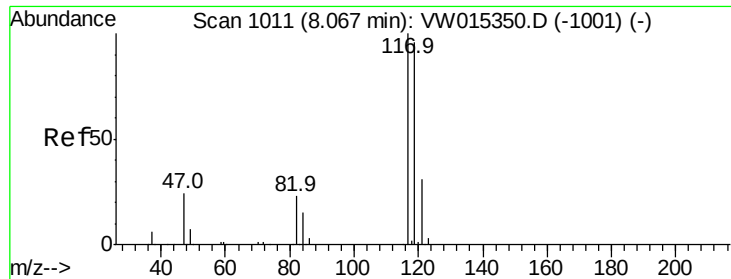
Tgt Ion: 56 Resp: 33326
Ion Ratio Lower Upper
56 100
69 35.5 27.4 41.2
84 103.1 81.8 122.6



#31
1,1,1-Trichloroethane
Concen: 5.750 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW015349.D
Acq: 27 Apr 2020 10:09

Tgt Ion: 97 Resp: 39054
Ion Ratio Lower Upper
97 100
99 65.0 51.0 76.4
61 40.1 32.8 49.2





#32

Carbon tetrachloride

Concen: 5.500 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

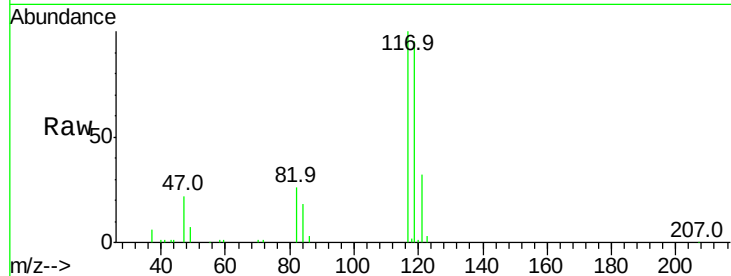
VSTD00501

Tgt Ion:117 Resp: 34208

Ion Ratio Lower Upper

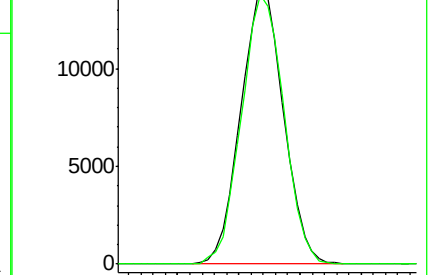
117 100

119 97.1 76.3 114.5

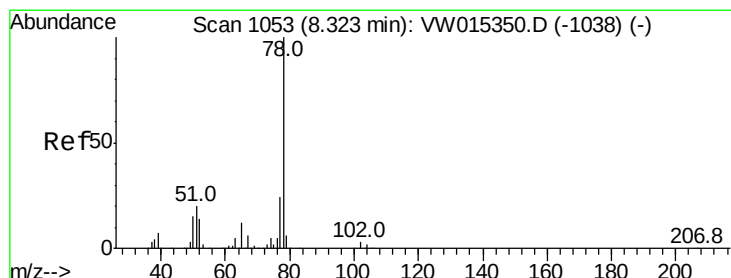
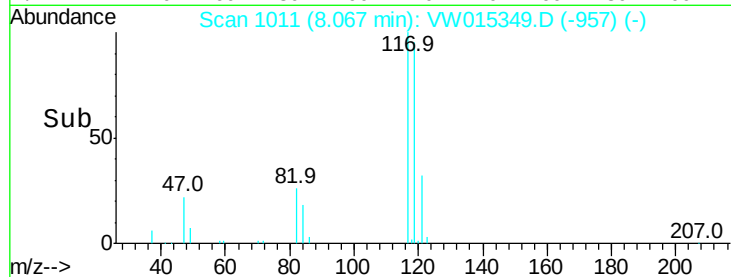


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 4.378 ug/L

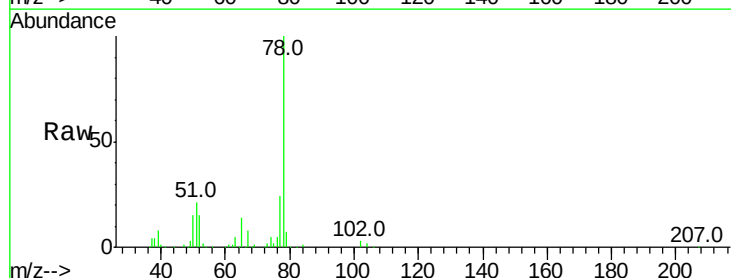
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

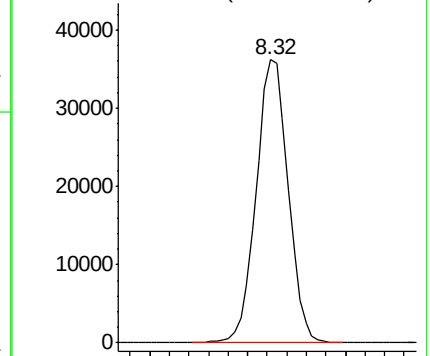
Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

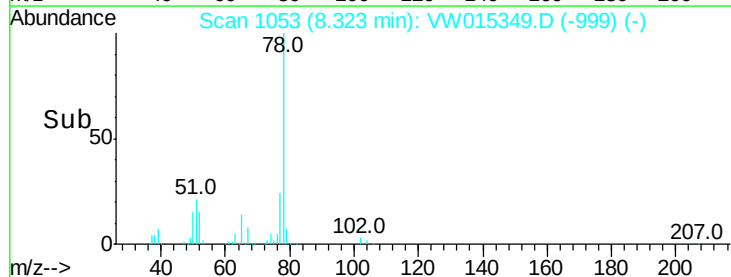
Tgt Ion: 78 Resp: 82253

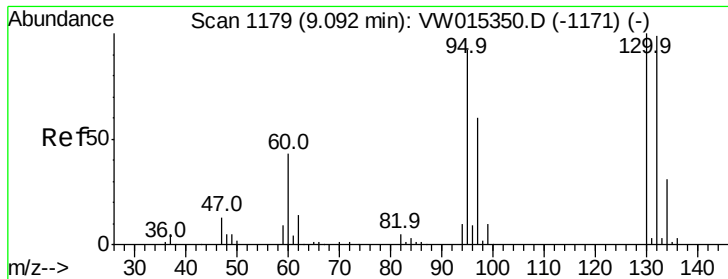


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->





#35

Trichloroethene

Concen: 4.982 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD00501

Tgt Ion: 95 Resp: 24230

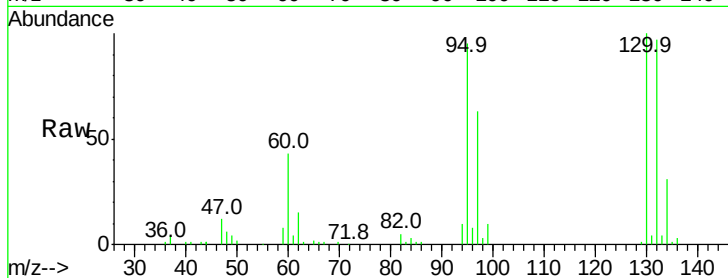
Ion Ratio Lower Upper

95 100

97 65.9 45.6 84.6

132 106.8 74.5 138.5

130 108.3 76.7 142.5

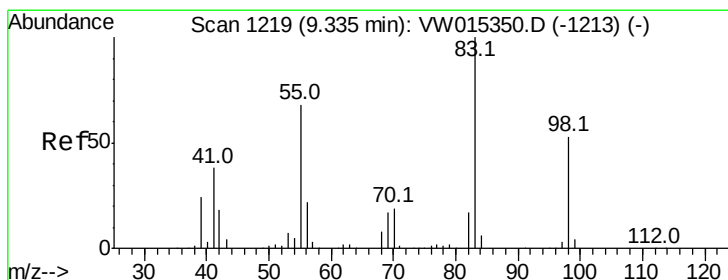
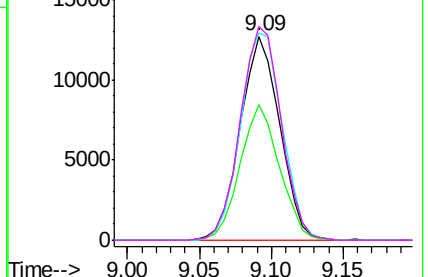
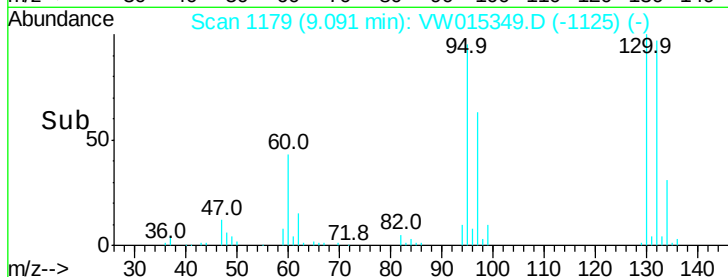


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 4.473 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

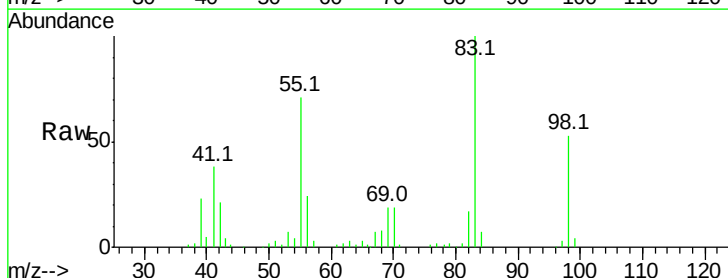
Tgt Ion: 83 Resp: 40143

Ion Ratio Lower Upper

83 100

55 69.6 53.8 80.8

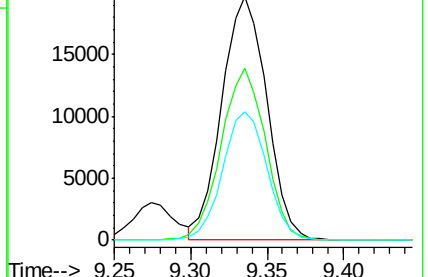
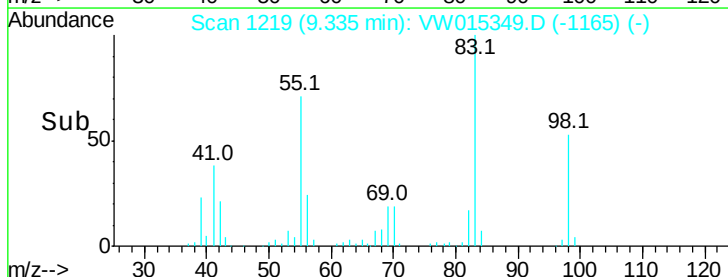
98 52.1 41.0 61.4

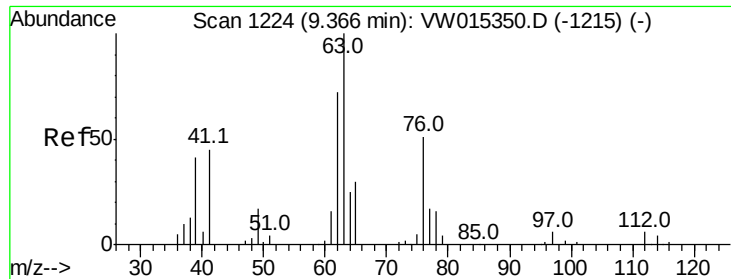


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

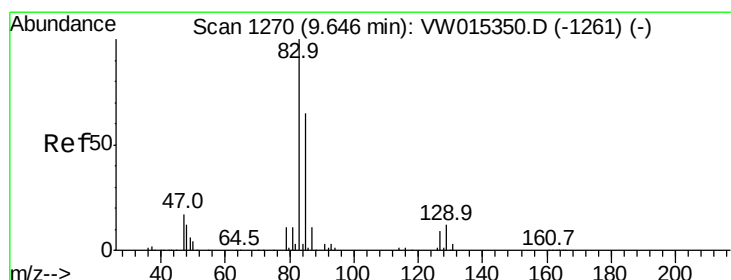
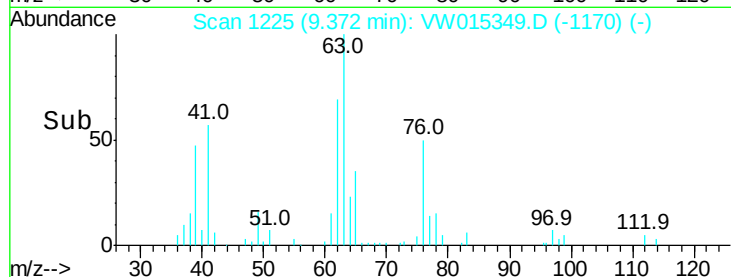
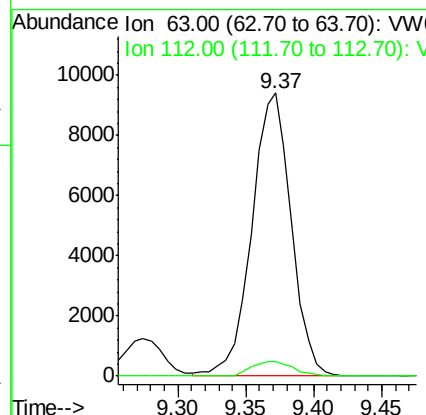
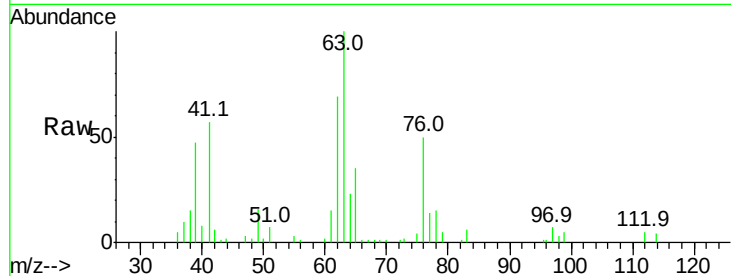




#40
 1,2-Dichloropropane
 Concen: 4.197 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW015349.D
 Acq: 27 Apr 2020 10:09

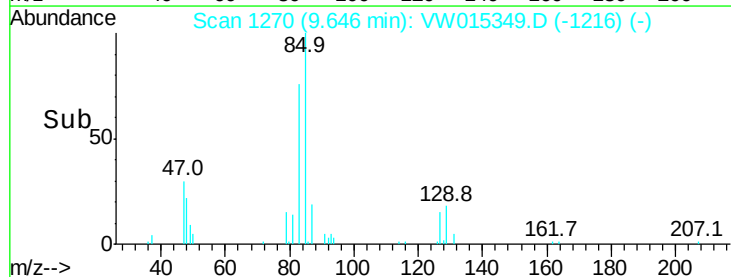
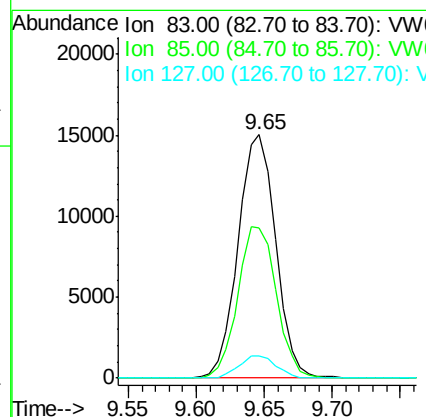
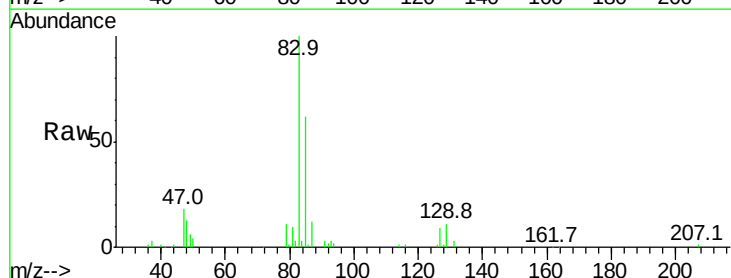
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00501

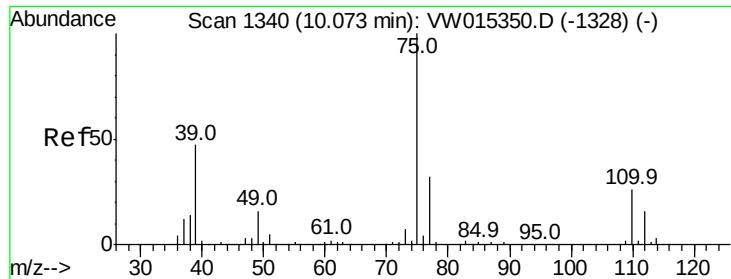
Tgt Ion: 63 Resp: 19120
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.6 6.8



#41
 Bromodichloromethane
 Concen: 5.115 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015349.D
 Acq: 27 Apr 2020 10:09

Tgt Ion: 83 Resp: 29090
 Ion Ratio Lower Upper
 83 100
 85 61.5 45.8 85.2
 127 9.0 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 4.664 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

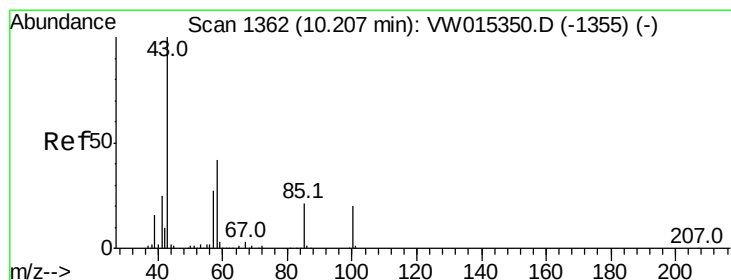
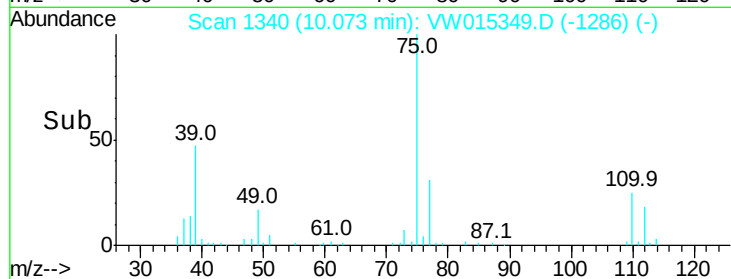
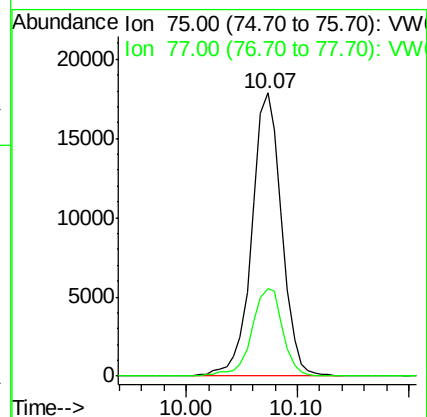
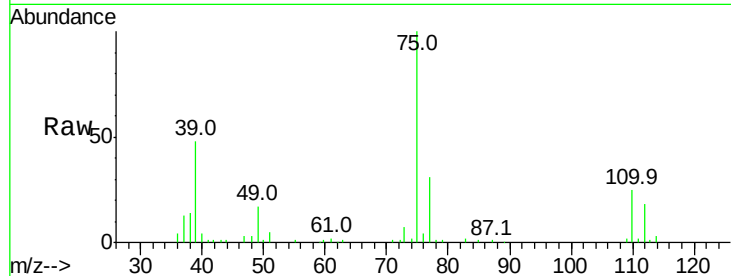
VSTD00501

Tgt Ion: 75 Resp: 33420

Ion Ratio Lower Upper

75 100

77 30.8 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 7.909 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

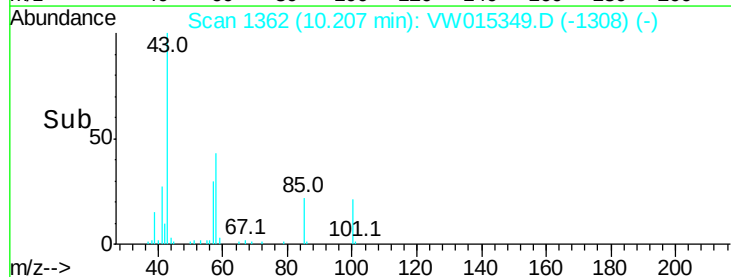
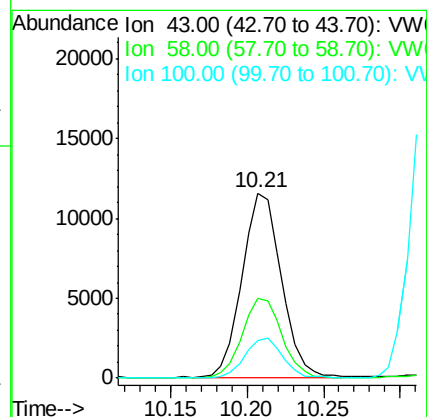
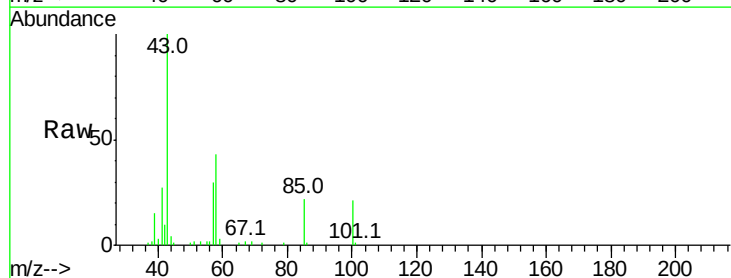
Tgt Ion: 43 Resp: 20854

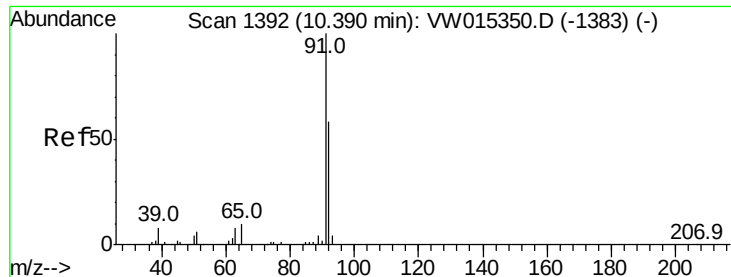
Ion Ratio Lower Upper

43 100

58 43.2 34.2 51.4

100 20.7 17.0 25.6





#44

Toluene

Concen: 4.772 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

Instrument :

MSVOA_W

ClientSampled :

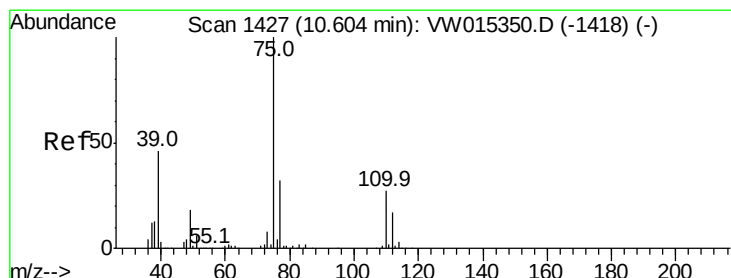
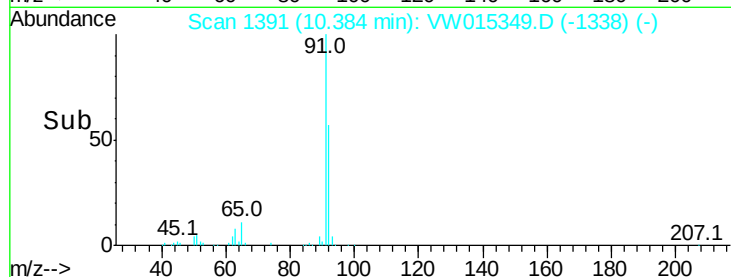
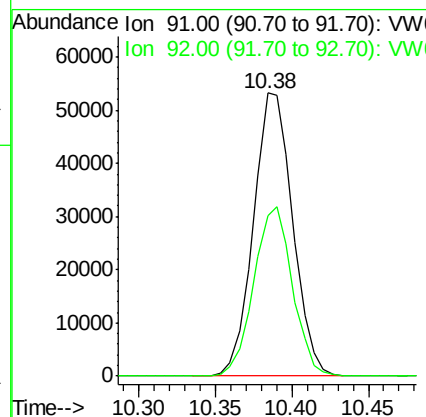
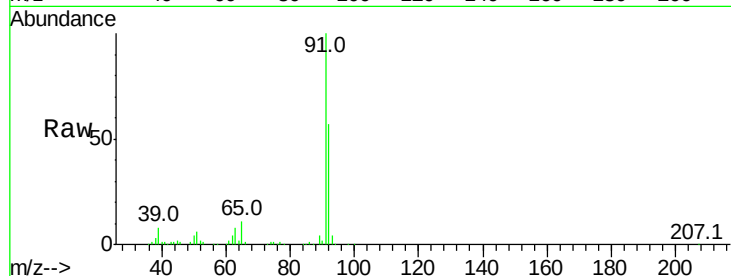
VSTD00501

Tgt Ion: 91 Resp: 95160

Ion Ratio Lower Upper

91 100

92 56.7 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 4.810 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015349.D

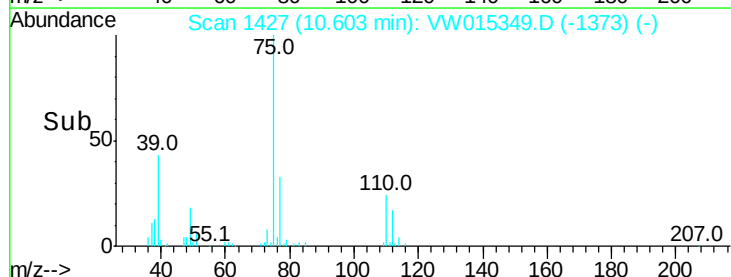
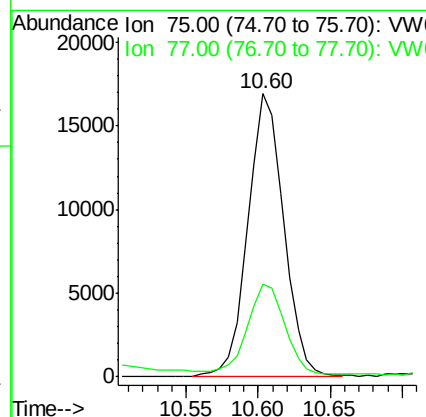
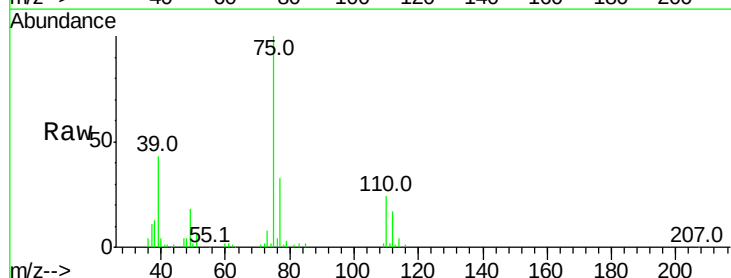
Acq: 27 Apr 2020 10:09

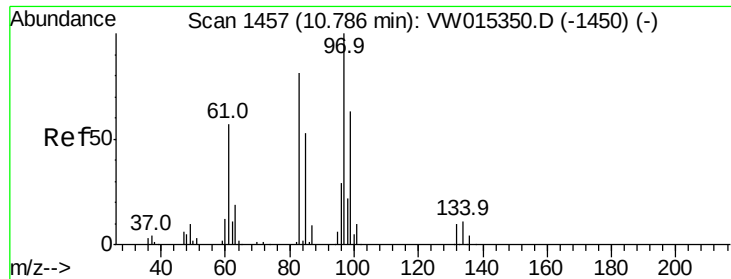
Tgt Ion: 75 Resp: 29161

Ion Ratio Lower Upper

75 100

77 32.9 22.3 41.5

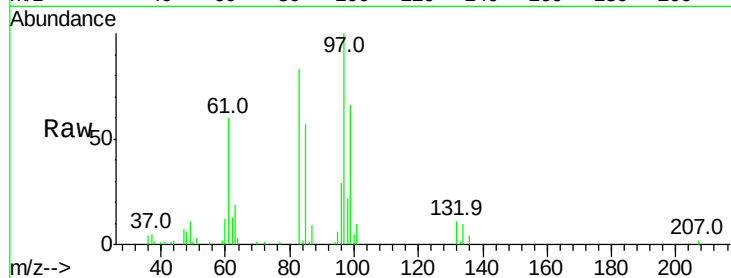




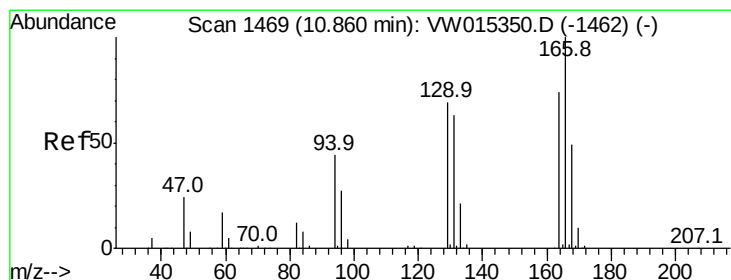
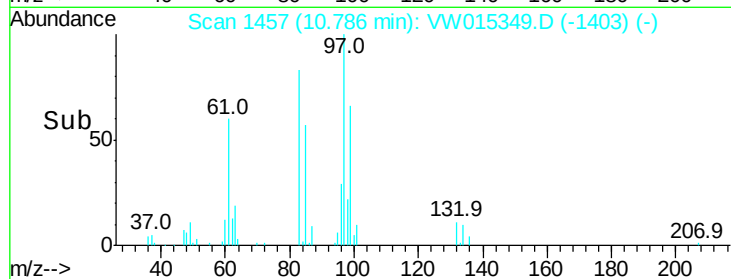
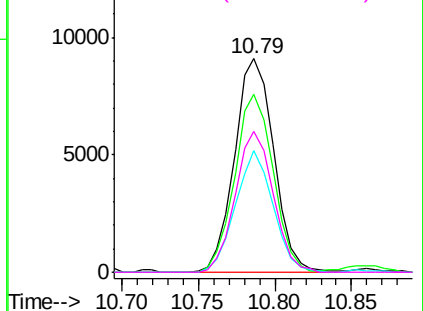
#46
 1,1,2-Trichloroethane
 Concen: 5.037 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015349.D
 Acq: 27 Apr 2020 10:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00501

Tgt Ion: 97 Resp: 16239
 Ion Ratio Lower Upper
 97 100
 83 83.1 56.8 105.6
 85 57.2 37.3 69.3
 99 66.2 44.2 82.2

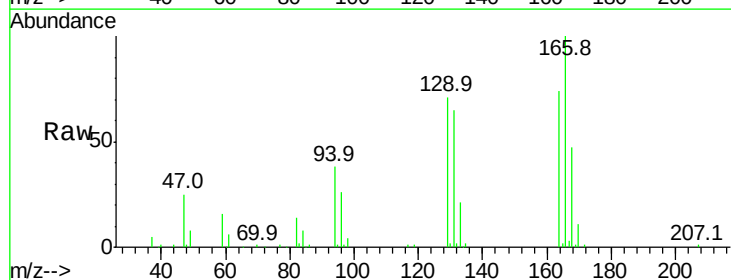


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

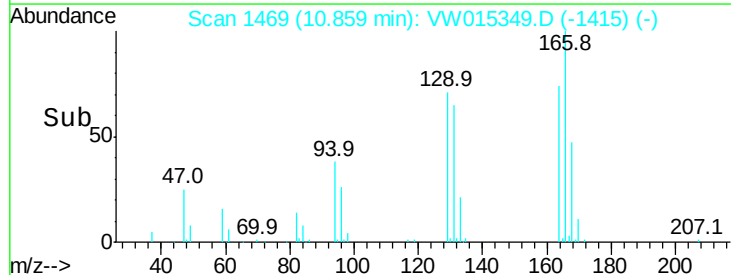
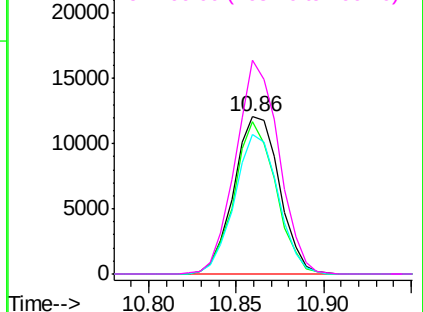


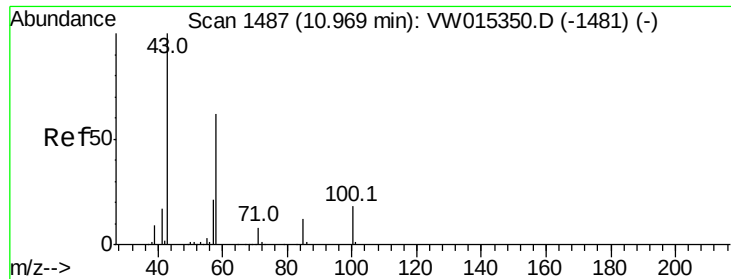
#47
 Tetrachloroethene
 Concen: 5.934 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW015349.D
 Acq: 27 Apr 2020 10:09

Tgt Ion: 164 Resp: 21918
 Ion Ratio Lower Upper
 164 100
 129 96.6 65.3 121.3
 131 88.7 59.1 109.7
 166 135.8 94.2 175.0



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

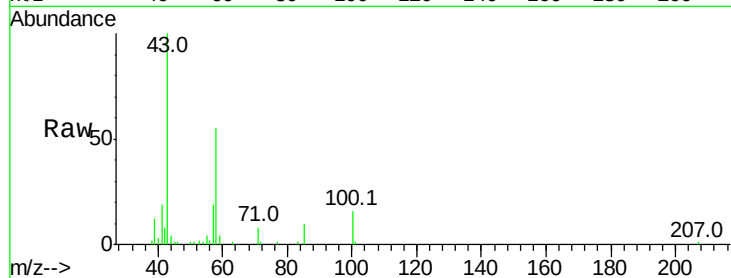




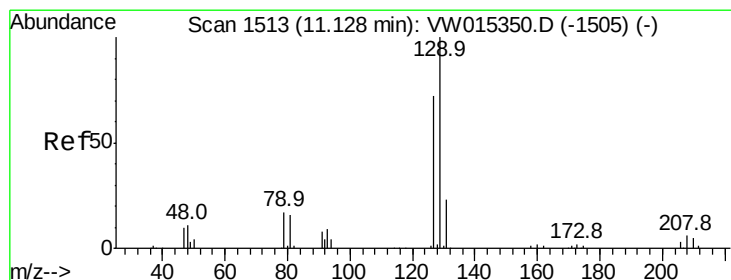
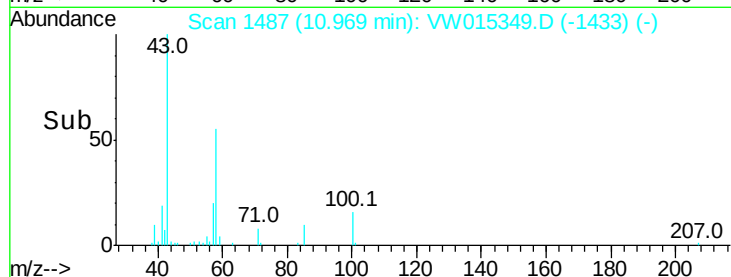
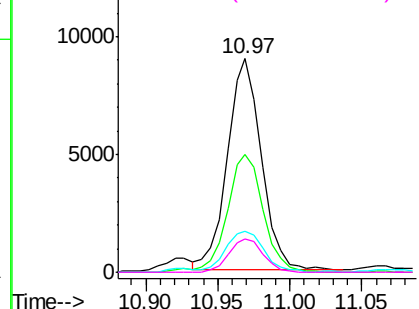
#49
2-Hexanone
Concen: 8.543 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015349.D
Acq: 27 Apr 2020 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

Tgt Ion: 43 Resp: 14869
Ion Ratio Lower Upper
43 100
58 58.0 47.4 71.2
57 21.8 16.7 25.1
100 15.9 13.4 20.2

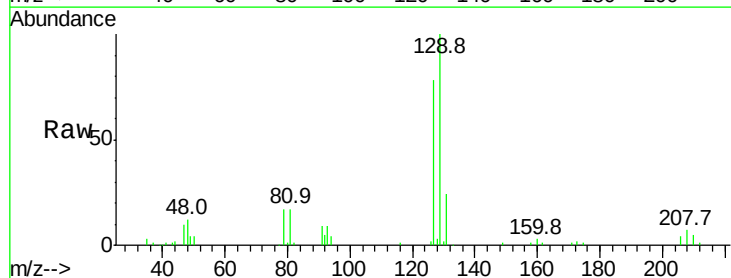


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

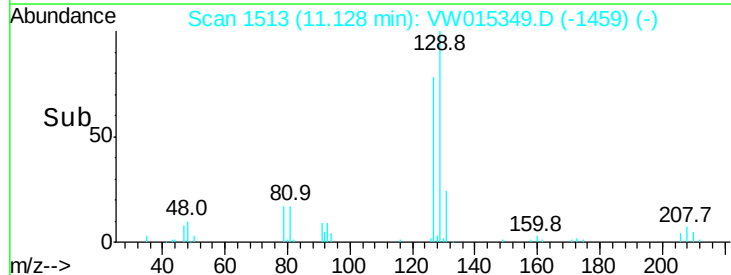
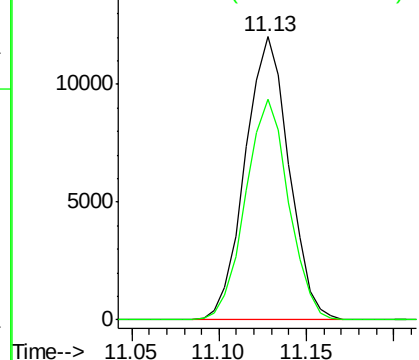


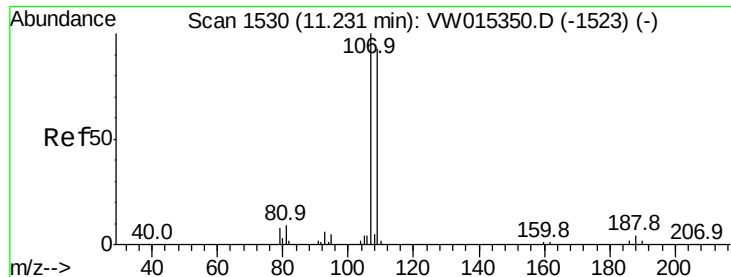
#50
Dibromochloromethane
Concen: 5.525 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015349.D
Acq: 27 Apr 2020 10:09

Tgt Ion: 129 Resp: 20954
Ion Ratio Lower Upper
129 100
127 78.0 50.7 94.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

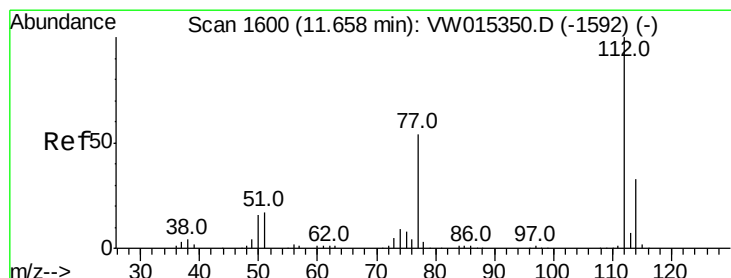
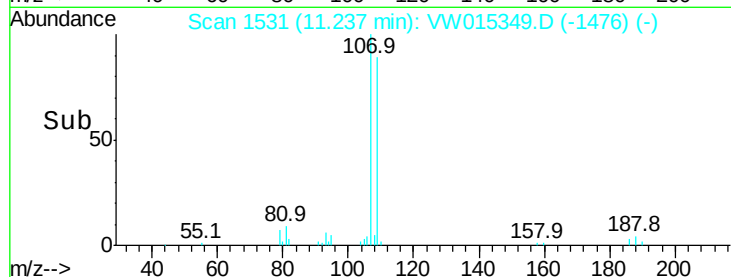
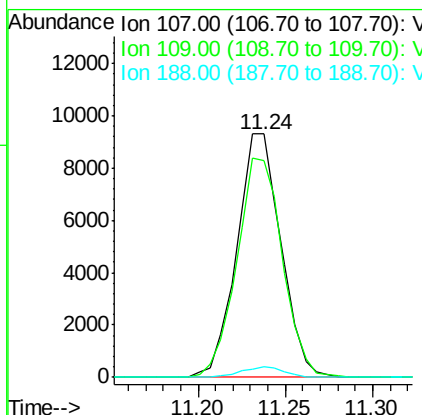
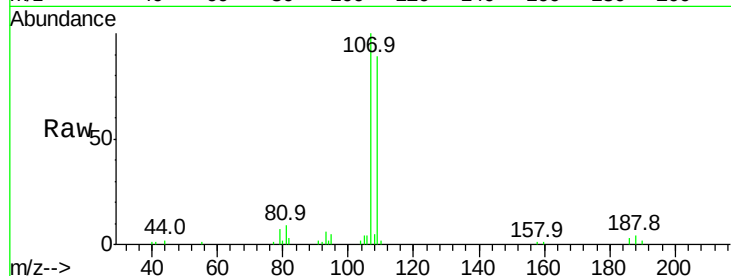




#51
1,2-Dibromoethane
Concen: 5.415 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW015349.D
Acq: 27 Apr 2020 10:09

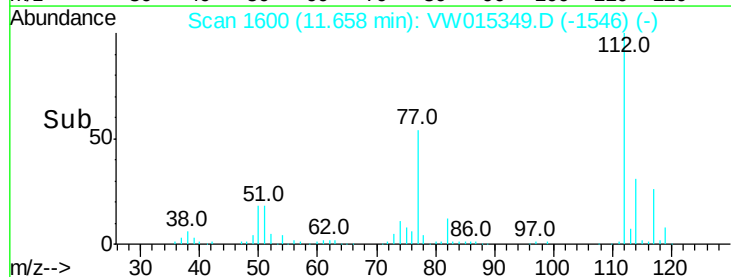
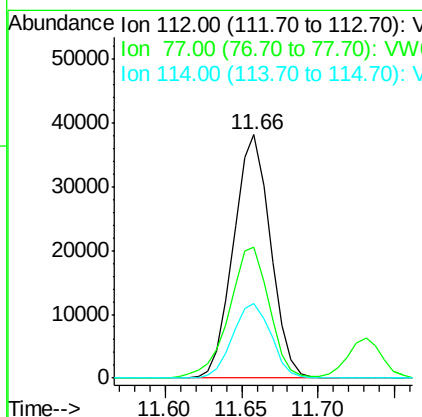
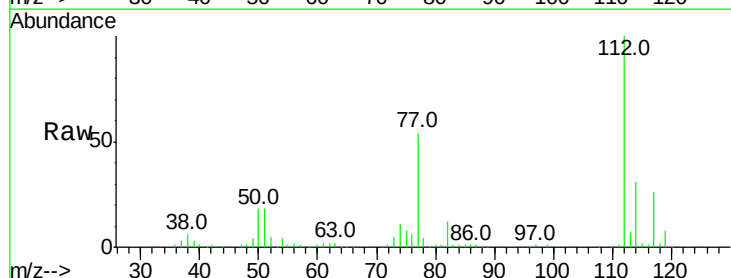
Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

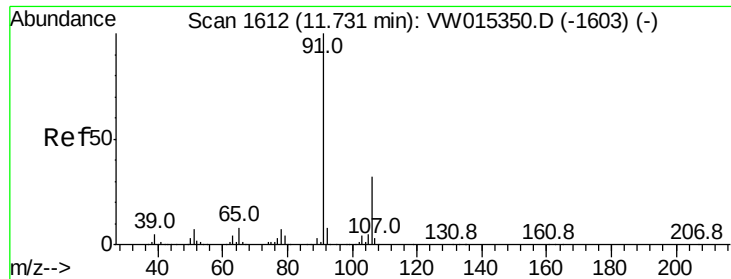
Tgt Ion:107 Resp: 16407
Ion Ratio Lower Upper
107 100
109 88.8 65.3 121.3
188 4.3 3.1 4.7



#52
Chlorobenzene
Concen: 5.206 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015349.D
Acq: 27 Apr 2020 10:09

Tgt Ion:112 Resp: 64072
Ion Ratio Lower Upper
112 100
77 53.6 43.0 64.6
114 30.7 23.3 43.3





#53

Ethylbenzene

Concen: 4.991 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

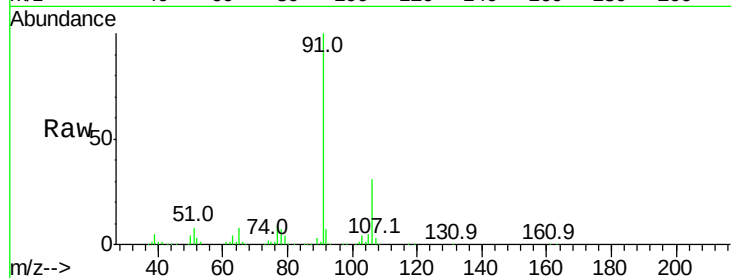
VSTD00501

Tgt Ion: 91 Resp: 111595

Ion Ratio Lower Upper

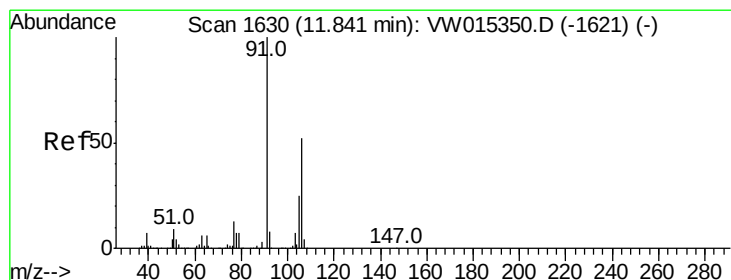
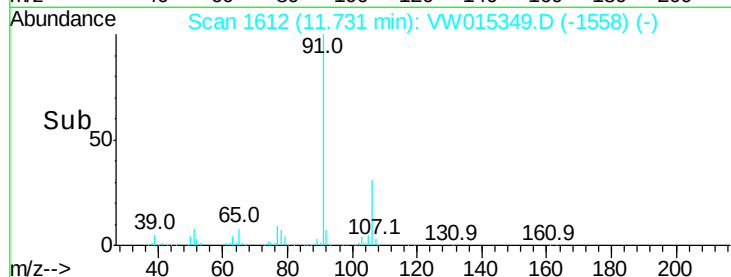
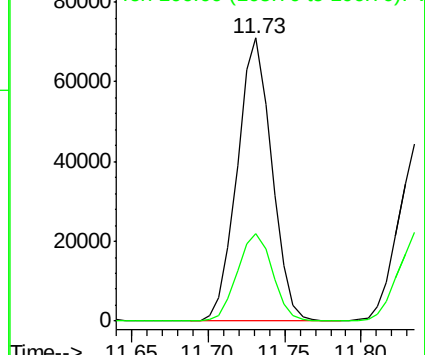
91 100

106 30.7 22.5 41.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 5.161 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015349.D

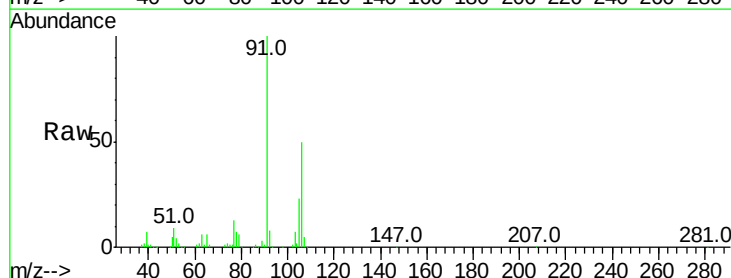
Acq: 27 Apr 2020 10:09

Tgt Ion: 106 Resp: 44426

Ion Ratio Lower Upper

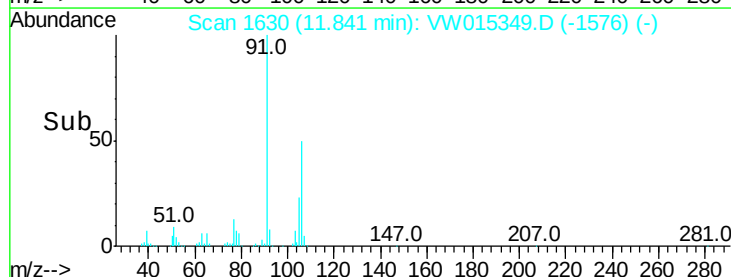
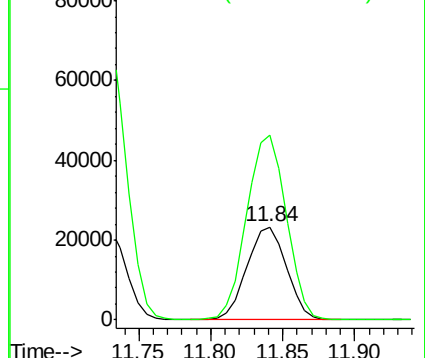
106 100

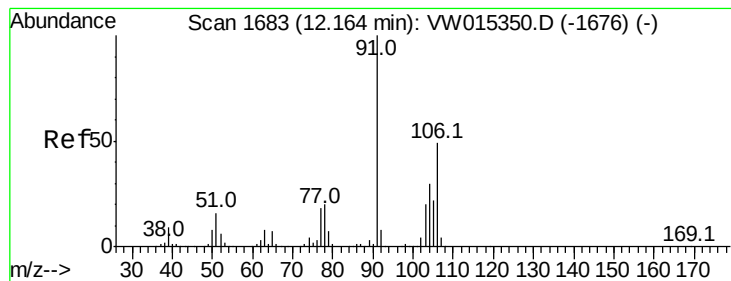
91 198.7 134.3 249.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 5.145 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

Instrument :

MSVOA_W

ClientSampled :

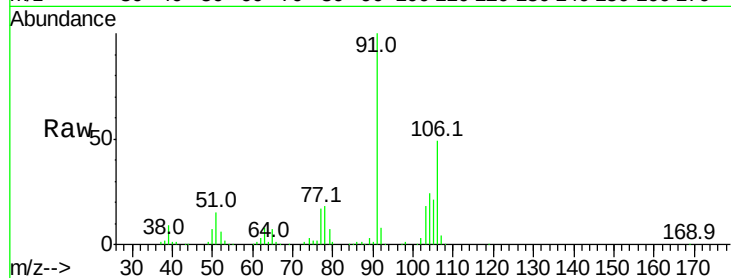
VSTD00501

Tgt Ion:106 Resp: 42407

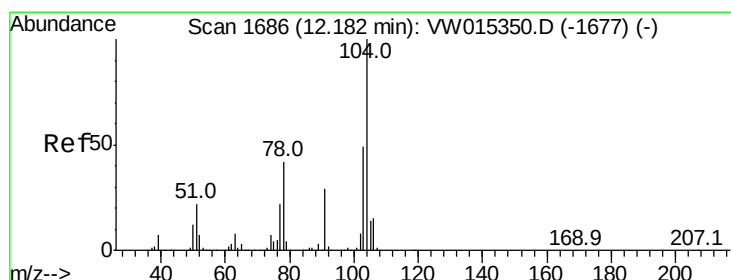
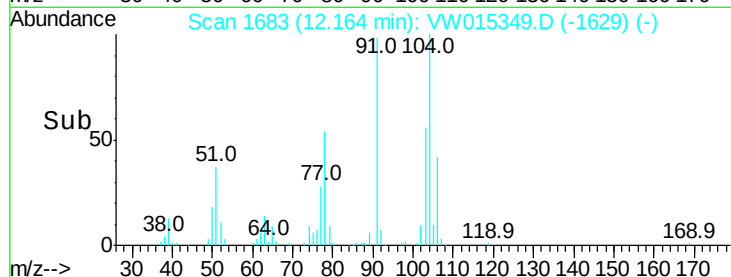
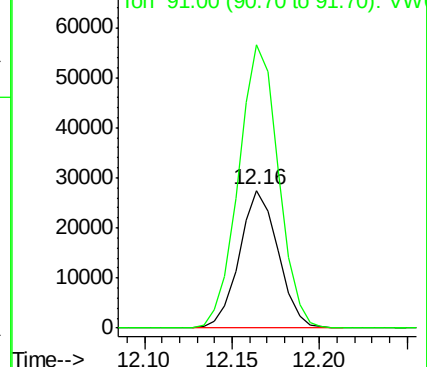
Ion Ratio Lower Upper

106 100

91 205.2 142.0 263.8



Abundance Ion 106.00 (105.70 to 106.70): V



#56

Styrene

Concen: 5.137 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015349.D

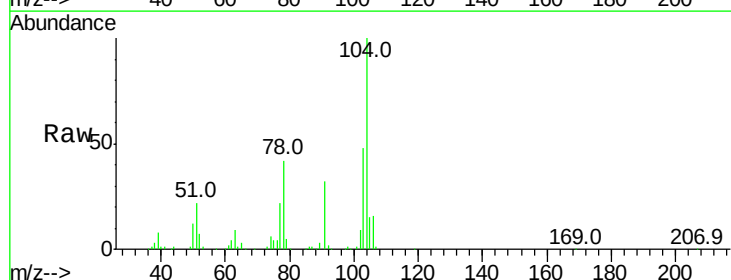
Acq: 27 Apr 2020 10:09

Tgt Ion:104 Resp: 70745

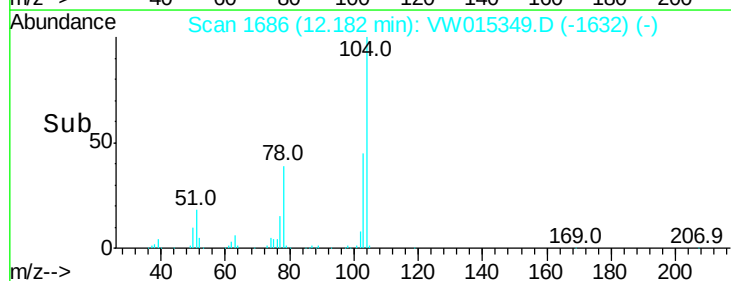
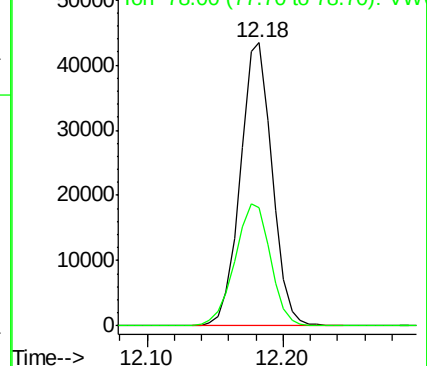
Ion Ratio Lower Upper

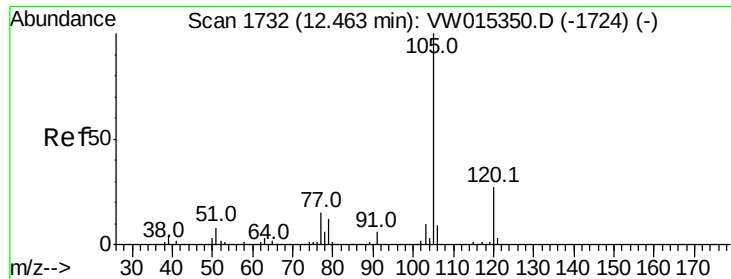
104 100

78 41.9 29.5 54.7



Abundance Ion 104.00 (103.70 to 104.70): V





#57

Isopropylbenzene

Concen: 5.194 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

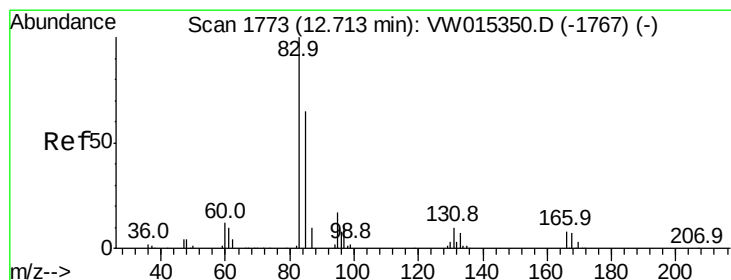
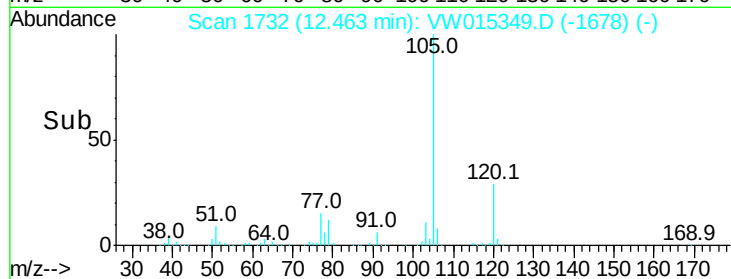
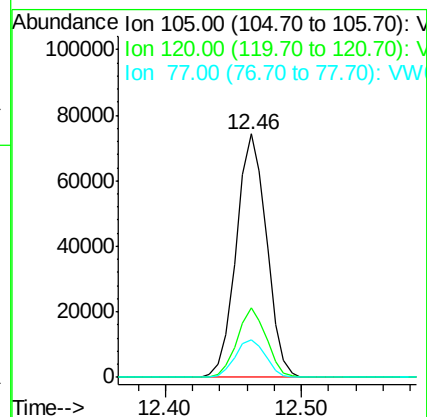
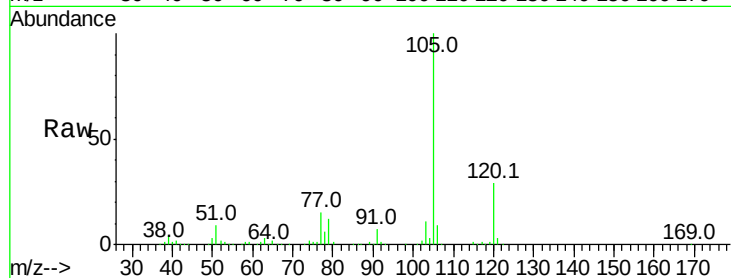
Instrument :

MSVOA_W

ClientSampleId :

VSTD00501

Tgt Ion:	105	Resp:	115007
Ion Ratio	Lower	Upper	
105	100		
120	27.6	21.8	32.8
77	15.5	12.1	18.1



#58

1,1,2,2-Tetrachloroethane

Concen: 4.720 ug/L

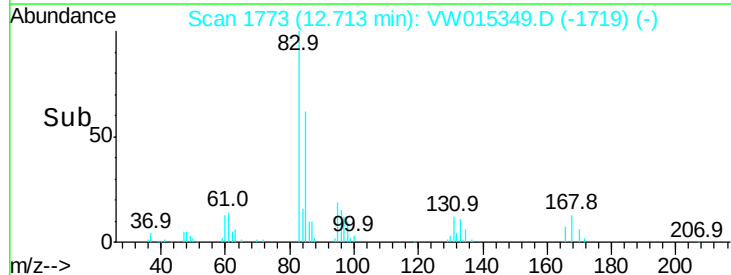
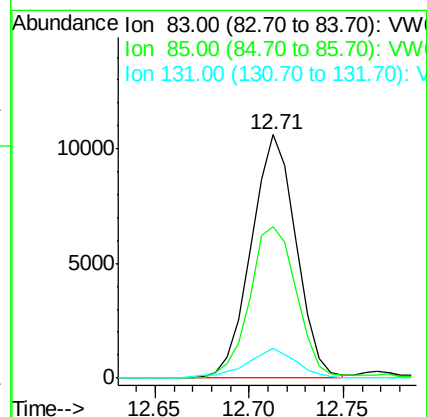
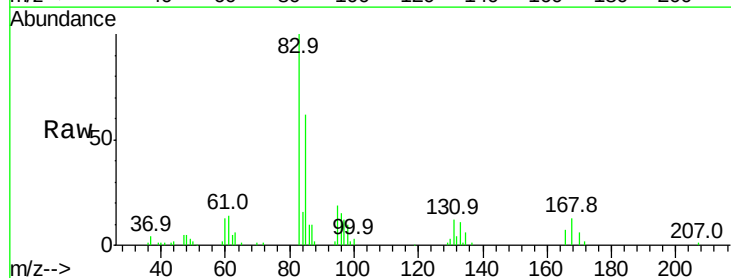
RT: 12.71 min Scan# 1773

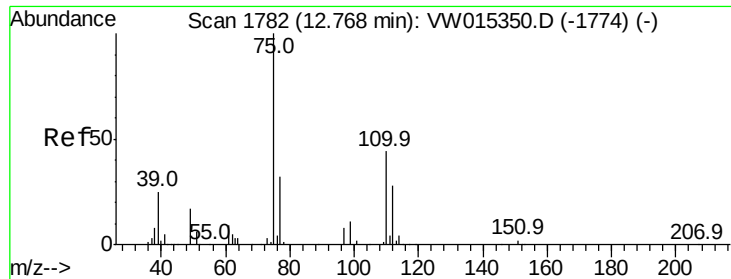
Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

Tgt Ion:	83	Resp:	17457
Ion Ratio	Lower	Upper	
83	100		
85	62.4	45.7	84.9
131	12.1	8.8	13.2





#59

1,2,3-Trichloropropane

Concen: 4.896 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

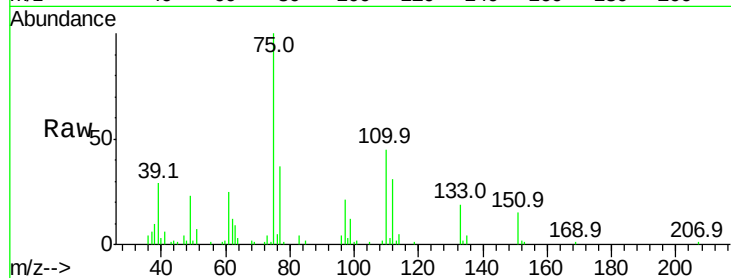
VSTD00501

Tgt Ion: 75 Resp: 13318

Ion Ratio Lower Upper

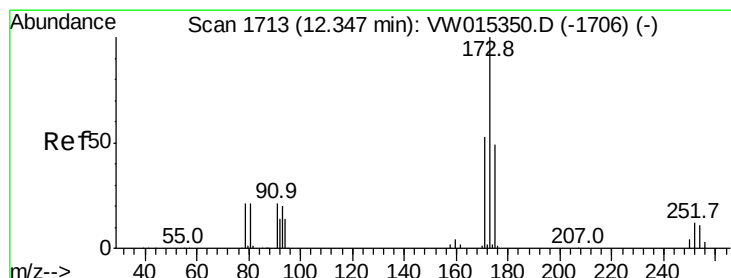
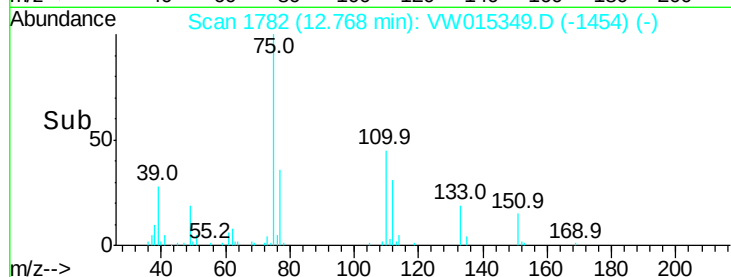
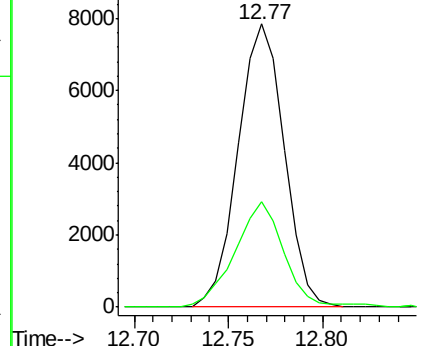
75 100

77 39.2 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 5.324 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

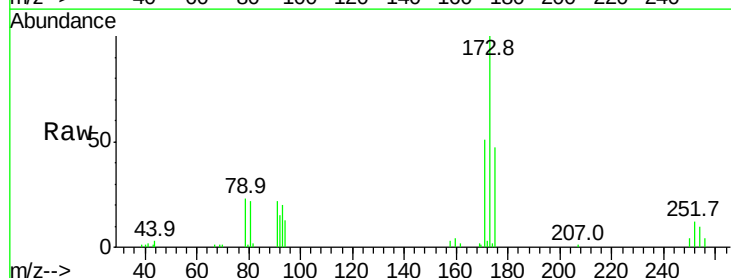
Tgt Ion: 173 Resp: 13208

Ion Ratio Lower Upper

173 100

175 46.4 39.5 59.3

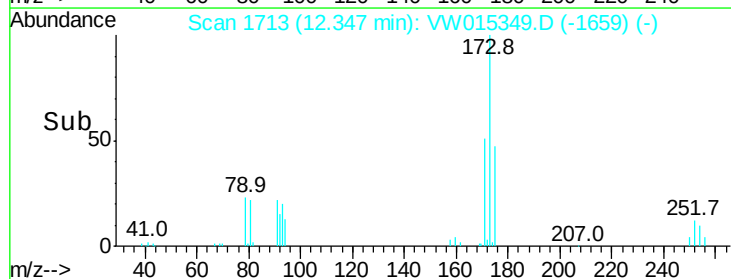
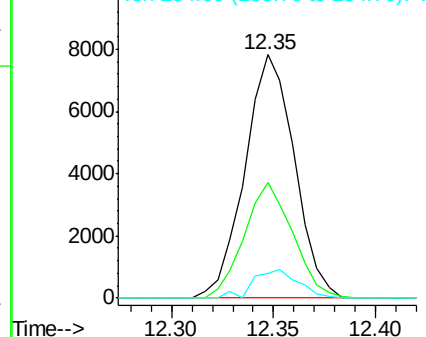
254 10.0 9.0 13.6

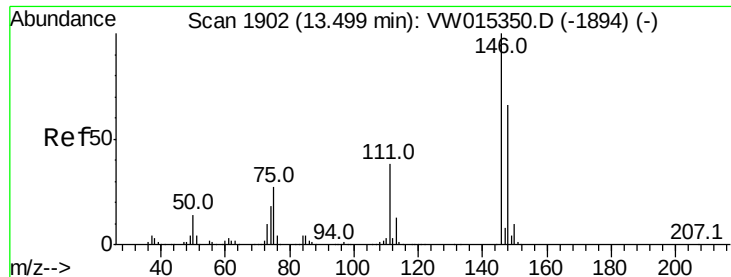


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

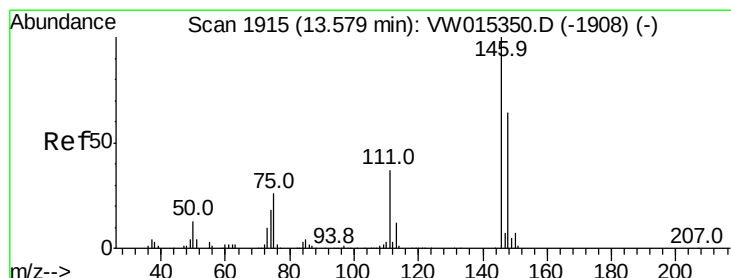
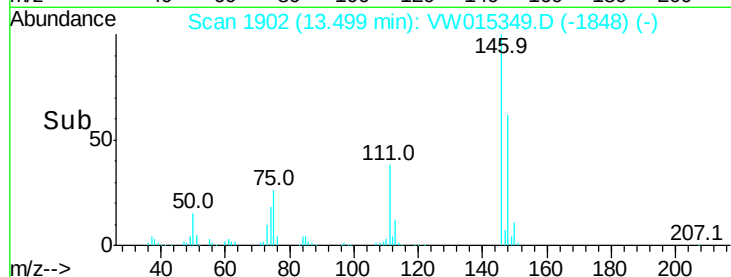
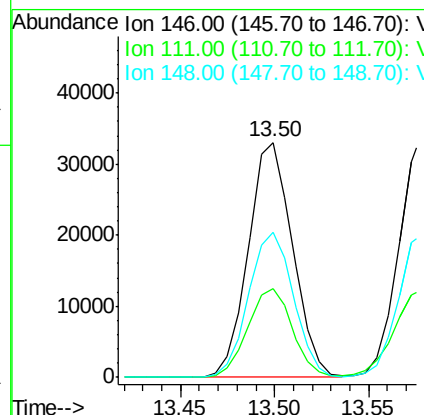
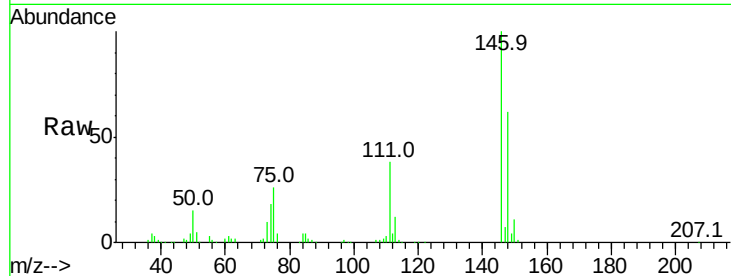




#63
 1,3-Dichlorobenzene
 Concen: 5.114 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015349.D
 Acq: 27 Apr 2020 10:09

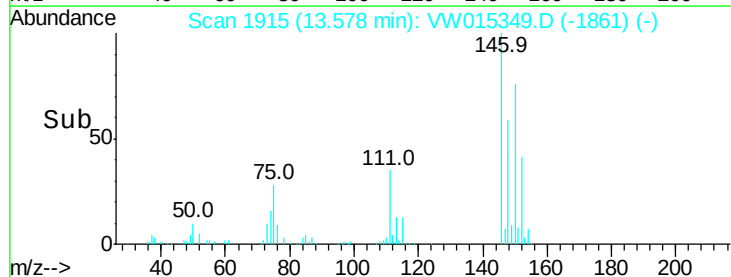
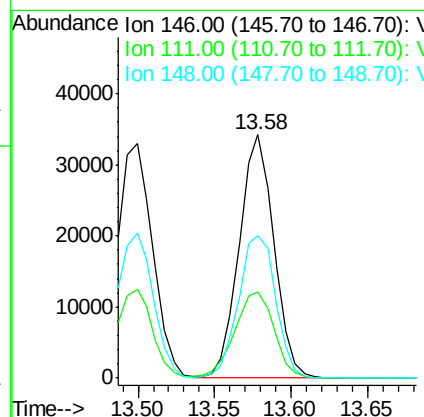
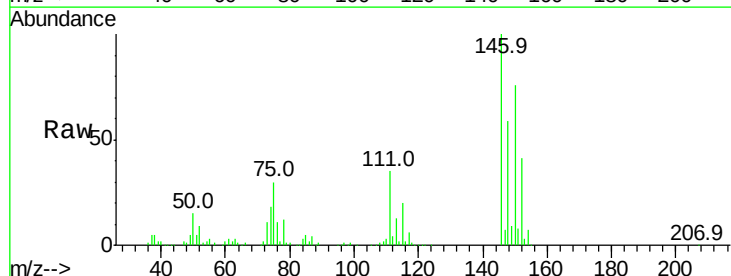
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00501

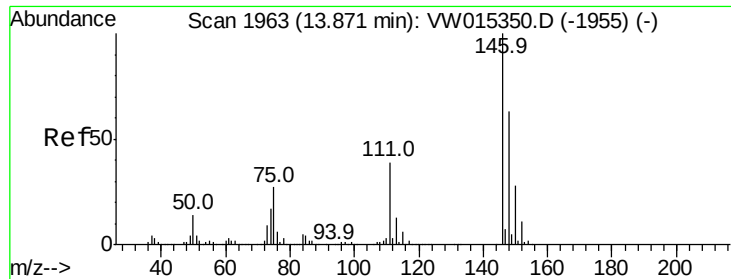
Tgt Ion:146 Resp: 53863
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.4 49.0
 148 61.7 46.1 85.5



#64
 1,4-Dichlorobenzene
 Concen: 5.247 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015349.D
 Acq: 27 Apr 2020 10:09

Tgt Ion:146 Resp: 54032
 Ion Ratio Lower Upper
 146 100
 111 35.4 26.0 48.4
 148 58.7 44.7 83.1

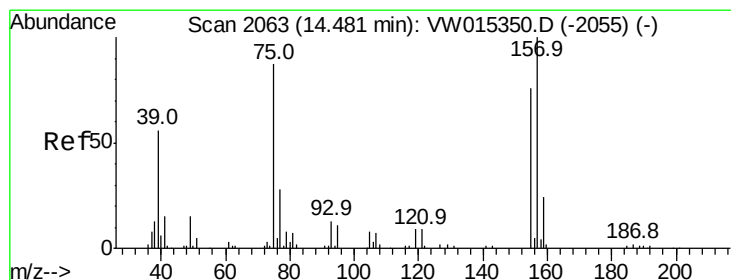
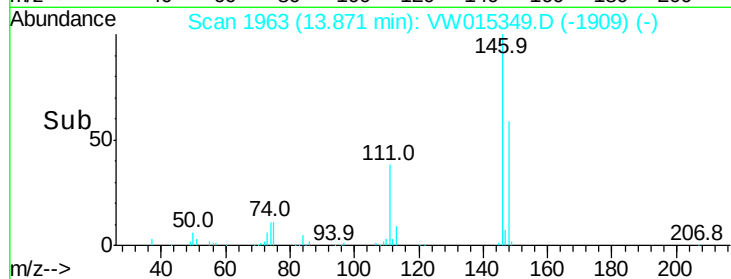
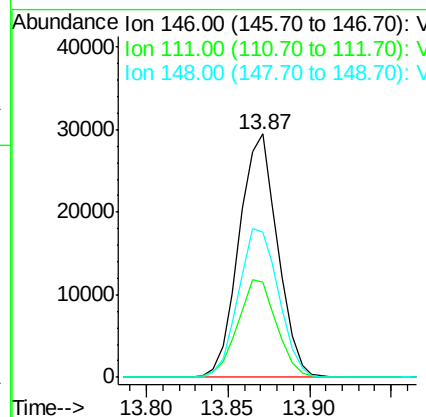
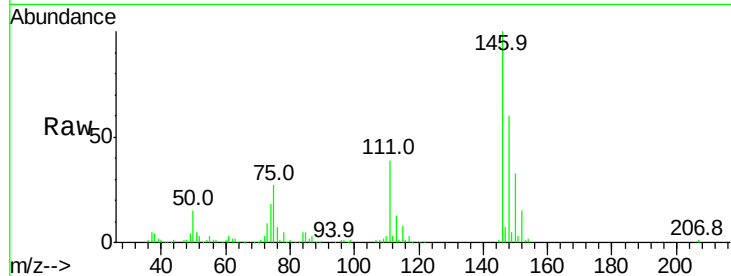




#65
 1,2-Dichlorobenzene
 Concen: 5.195 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015349.D
 Acq: 27 Apr 2020 10:09

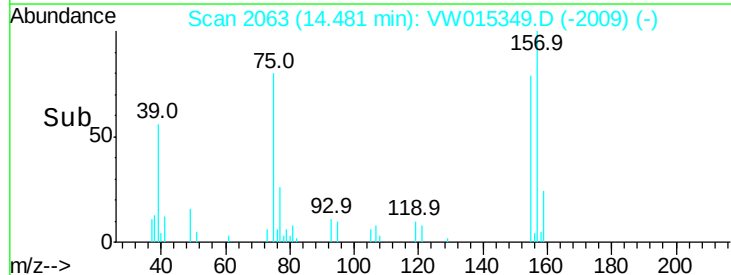
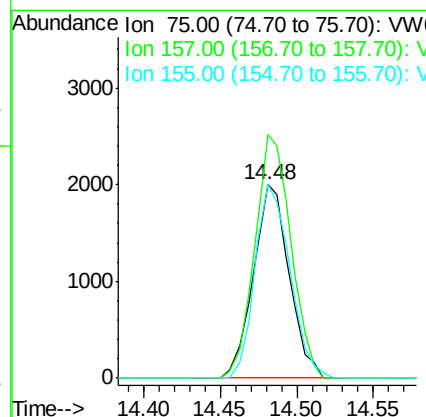
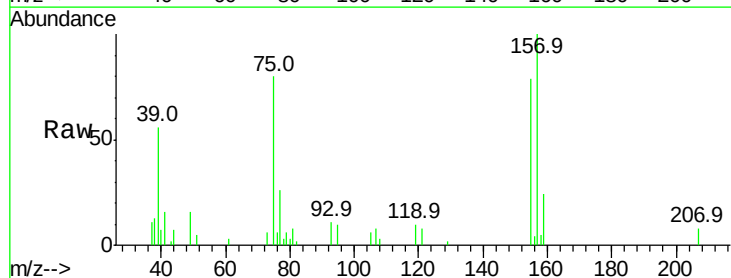
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00501

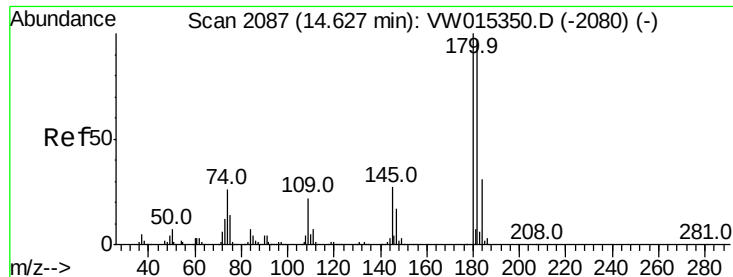
Tgt Ion:146 Resp: 48534
 Ion Ratio Lower Upper
 146 100
 111 38.9 31.2 46.8
 148 59.7 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.585 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015349.D
 Acq: 27 Apr 2020 10:09

Tgt Ion: 75 Resp: 3246
 Ion Ratio Lower Upper
 75 100
 157 125.8 92.3 138.5
 155 99.8 70.4 105.6

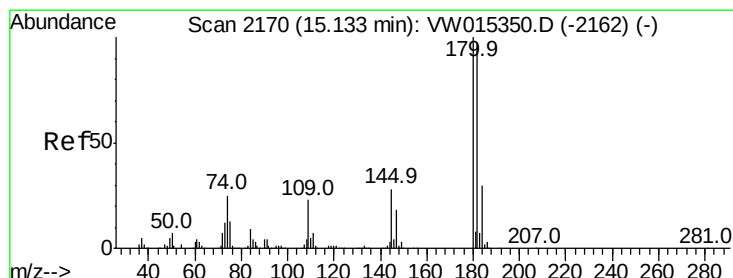
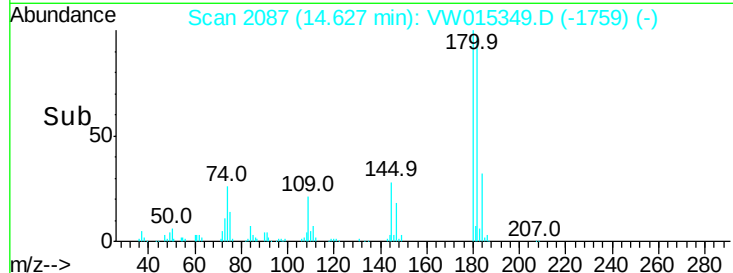
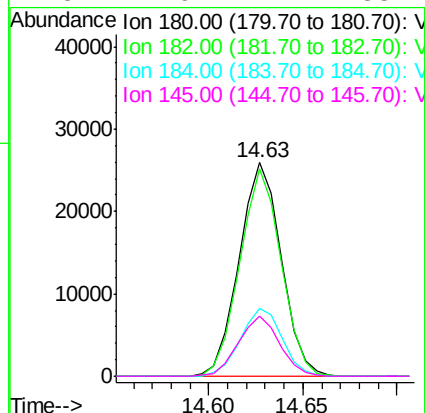
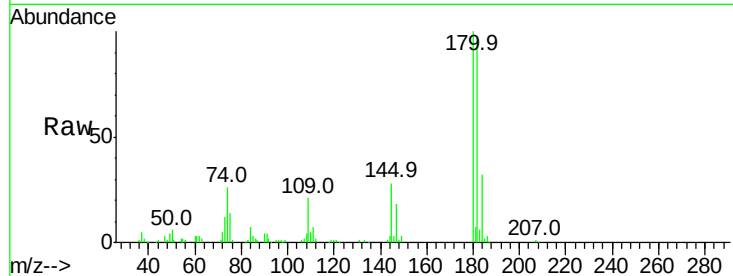




#67
 1,3,5-Trichlorobenzene
 Concen: 5.582 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015349.D
 Acq: 27 Apr 2020 10:09

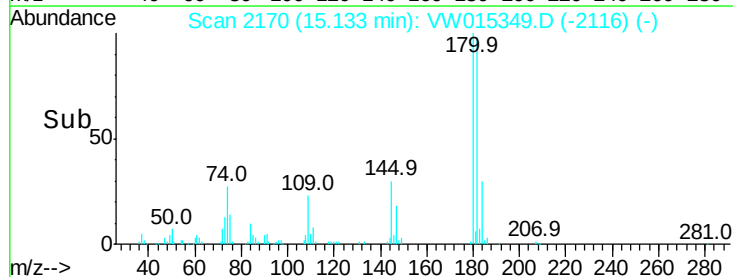
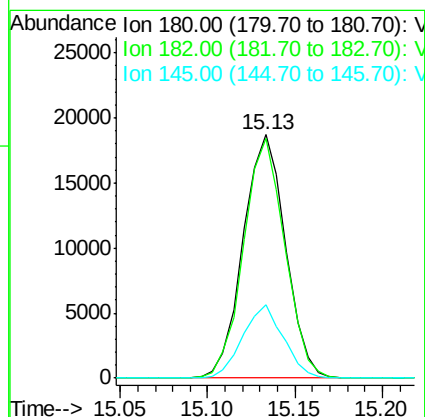
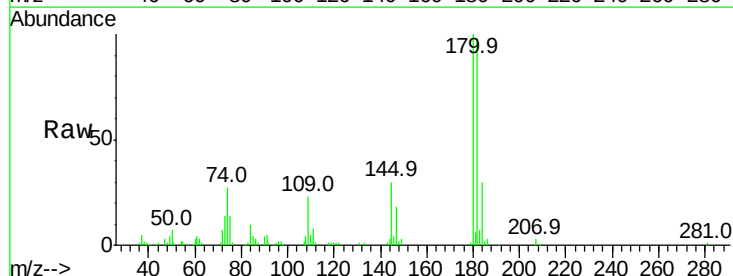
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00501

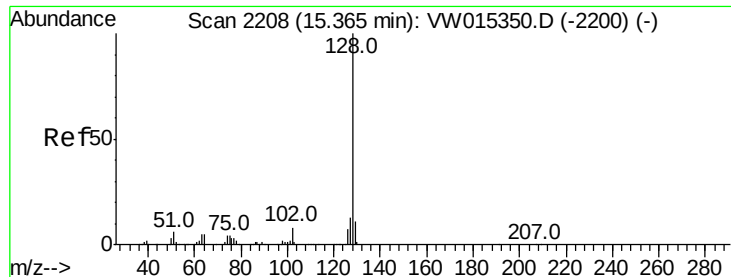
Tgt Ion:	180	Resp:	40131
Ion	Ratio	Lower	Upper
180	100		
182	95.1	78.1	117.1
184	31.6	24.5	36.7
145	27.6	22.2	33.2



#68
 1,2,4-trichlorobenzene
 Concen: 5.312 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015349.D
 Acq: 27 Apr 2020 10:09

Tgt Ion:	180	Resp:	31408
Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.9	116.9
145	29.0	23.5	35.3





#69

Naphthalene

Concen: 4.422 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD00501

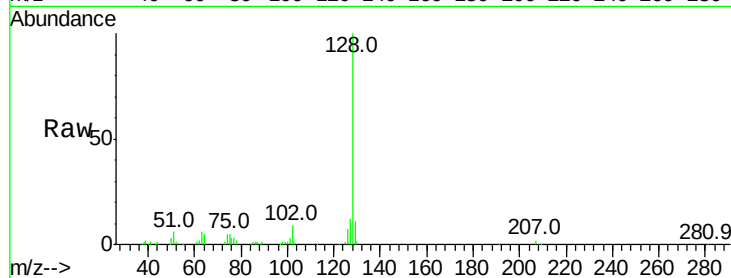
Tgt Ion:128 Resp: 52260

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

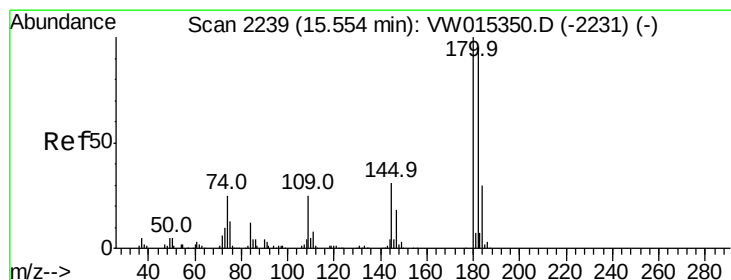
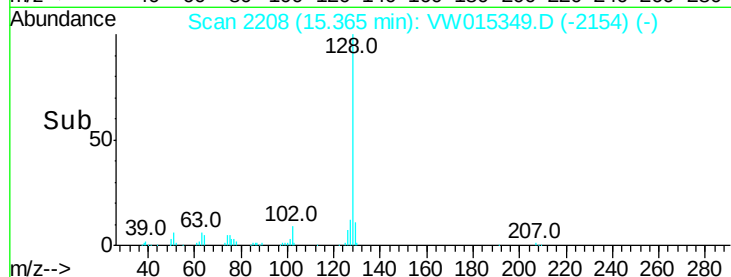
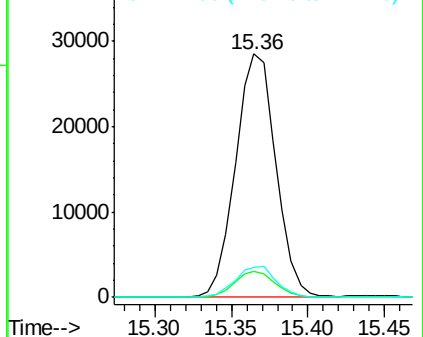
127 12.9 10.4 15.6



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: 5.368 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015349.D

Acq: 27 Apr 2020 10:09

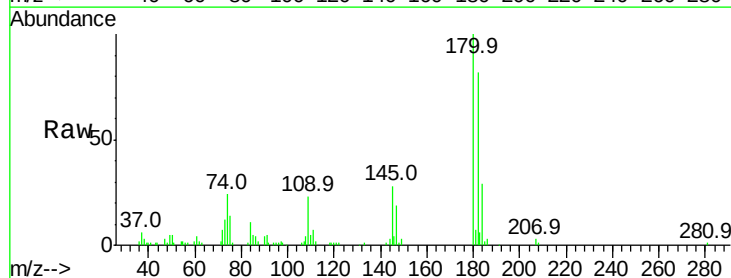
Tgt Ion:180 Resp: 27147

Ion Ratio Lower Upper

180 100

182 91.8 77.4 116.0

145 30.0 24.8 37.2



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

