

Data File : VW015351.D
Acq On : 27 Apr 2020 10:57
Operator : SY/VA
Sample : VSTD050
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05003

Quant Time: Apr 27 11:46:30 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	337299	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	329080	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	177194	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	164149	53.51	ug/L	0.00
7) Chloroethane-d5	2.89	69	154282	59.66	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	317598	40.92	ug/L	0.00
20) 2-Butanone-d5	7.08	46	70711	71.63	ug/L	0.00
24) Chloroform-d	7.65	84	310164	41.15	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	181397	48.99	ug/L	0.00
29) Benzene-d6	8.27	84	672576	37.83	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	183534	34.31	ug/L	0.00
37) Toluene-d8	10.32	98	722218	42.85	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	97171	40.75	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	68736	72.02	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	158175	40.52	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	291219	46.80	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	223080	64.827	ug/L	99
3) Chloromethane	2.22	50	193089	46.701	ug/L	100
5) Vinyl chloride	2.36	62	226625	56.275	ug/L	99
6) Bromomethane	2.77	94	162831	71.917	ug/L	100
8) Chloroethane	2.92	64	142639	62.099	ug/L	99
9) Trichlorofluoromethane	3.26	101	339577	105.719	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	212325	46.410	ug/L	99
12) 1,1-Dichloroethene	4.04	96	192672	43.427	ug/L	98
13) Acetone	4.13	43	70360	98.297	ug/L	95
14) Carbon disulfide	4.39	76	600706	43.125	ug/L	99
15) Methyl Acetate	4.68	43	63430	38.599	ug/L	100
16) Methylene chloride	4.92	84	198273	42.264	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	451430	76.986	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	212636	46.732	ug/L	98
19) 1,1-Dichloroethane	6.22	63	328474	42.531	ug/L	100
21) 2-Butanone	7.17	43	89973	78.060	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	228510	48.081	ug/L	95
23) Bromochloromethane	7.52	128	105197	53.189	ug/L	94
25) Chloroform	7.68	83	407600	54.231	ug/L	99
27) 1,2-Dichloroethane	8.40	62	236030	52.549	ug/L	100
30) Cyclohexane	7.96	56	304946	34.209	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	361906	49.585	ug/L	100
32) Carbon tetrachloride	8.07	117	319859	47.855	ug/L	98
34) Benzene	8.32	78	785276	38.895	ug/L	100
35) Trichloroethene	9.09	95	228466	43.717	ug/L	99
36) Methylcyclohexane	9.34	83	388768	40.316	ug/L	100
40) 1,2-Dichloropropane	9.37	63	176701	36.093	ug/L	100
41) Bromodichloromethane	9.65	83	271754	44.465	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	321550	41.756	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	190912	67.378	ug/L	100

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	968611	45.198	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	283463	43.514	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	150491	43.440	ug/L	98
47) Tetrachloroethene	10.86	164	219246	55.241	ug/L	91
49) 2-Hexanone	10.97	43	141026	75.399	ug/L	99
50) Dibromochloromethane	11.13	129	204406	50.153	ug/L	90
51) 1,2-Dibromoethane	11.23	107	150886	46.346	ug/L	98
52) Chlorobenzene	11.66	112	654289	49.476	ug/L	99
53) Ethylbenzene	11.73	91	1145155	47.661	ug/L	100
54) m,p-Xylene	11.84	106	459560	49.682	ug/L	97
55) o-xylene	12.16	106	443054	50.022	ug/L	97
56) Styrene	12.18	104	747916	50.538	ug/L	98
57) Isopropylbenzene	12.46	105	1209148	50.817	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	166615	41.926	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	125368	42.887	ug/L	98
62) Bromoform	12.35	173	132579	48.376	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	569198	48.919	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	558067	49.055	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	504076	48.843	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	32548	41.619	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	422969	53.255	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	348343	53.330	ug/L	97
69) Naphthalene	15.36	128	582928	44.652	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	290853	52.063	ug/L	99

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD05003

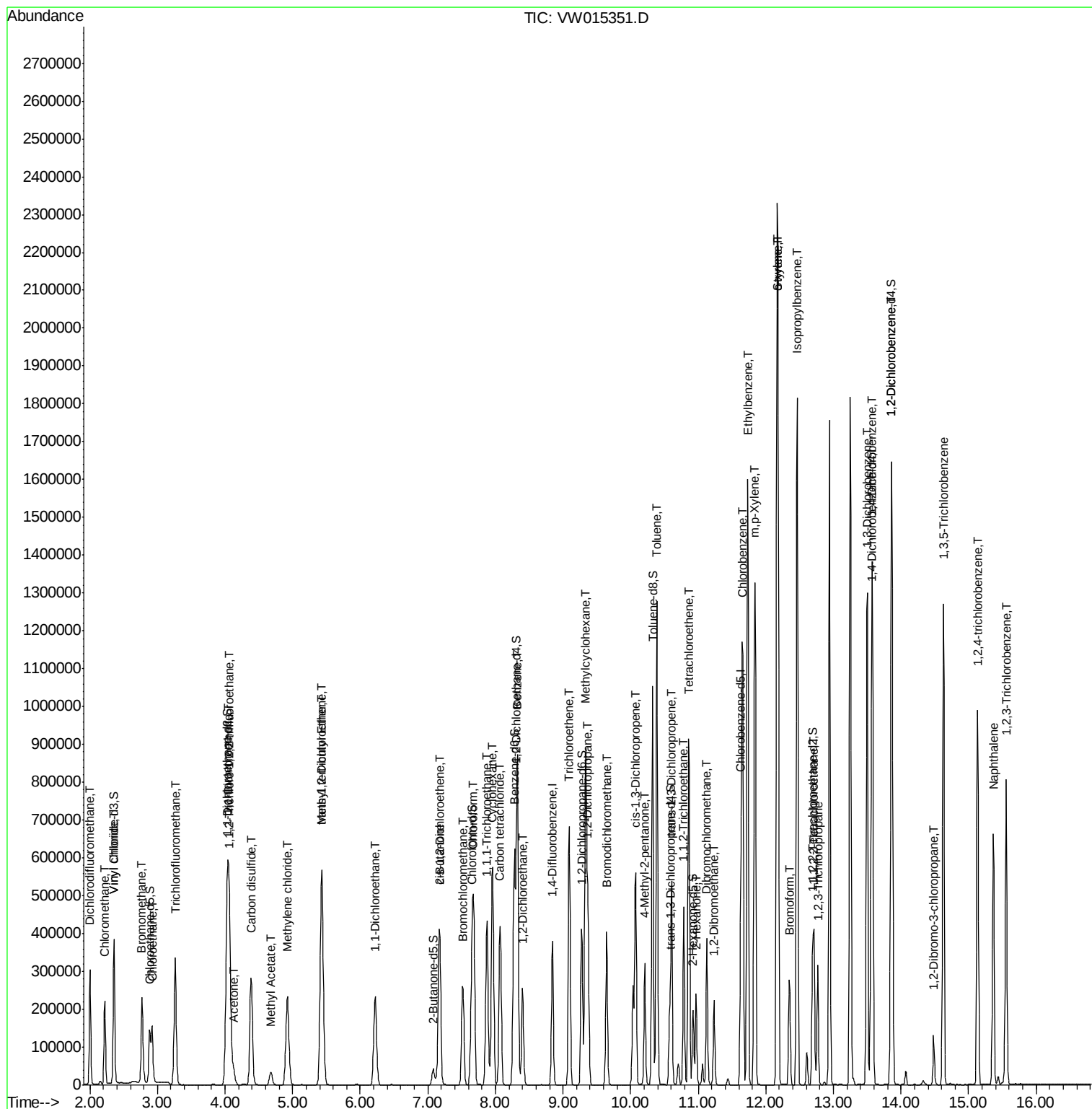
Quant Time: Apr 27 11:46:30 2020

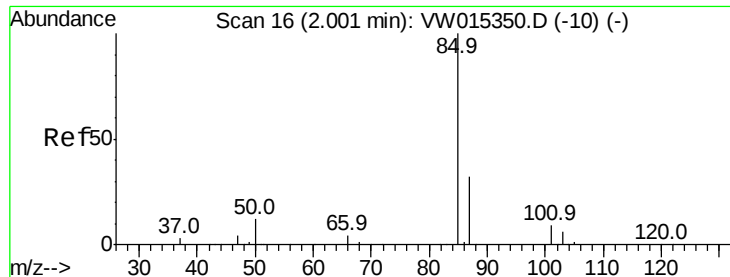
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042720S.M

Quant Title : VOC Analysis

QLast Update : Mon Apr 27 11:03:58 2020

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#2

Dichlorodifluoromethane

Concen: 64.827 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Instrument :

MSVOA_W

ClientSampleId :

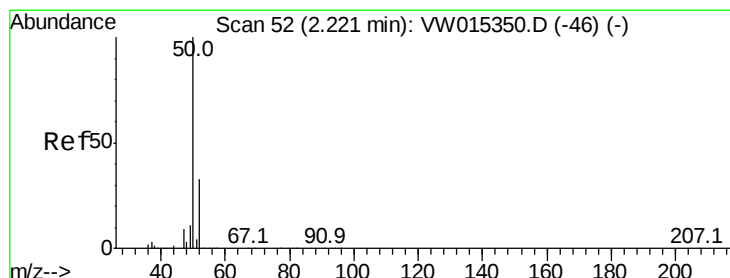
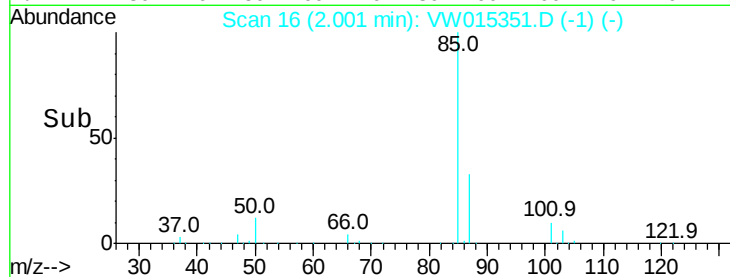
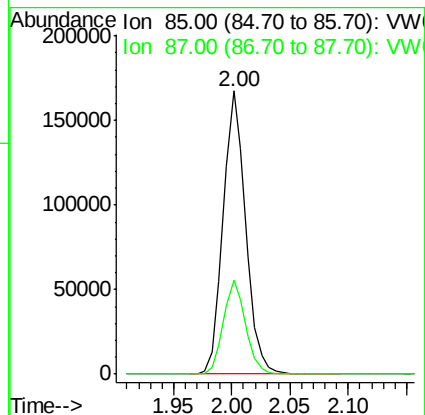
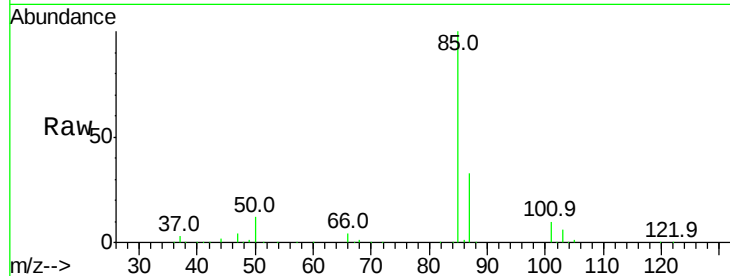
VSTD05003

Tgt Ion: 85 Resp: 223080

Ion Ratio Lower Upper

85 100

87 32.7 22.6 42.0



#3

Chloromethane

Concen: 46.701 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW015351.D

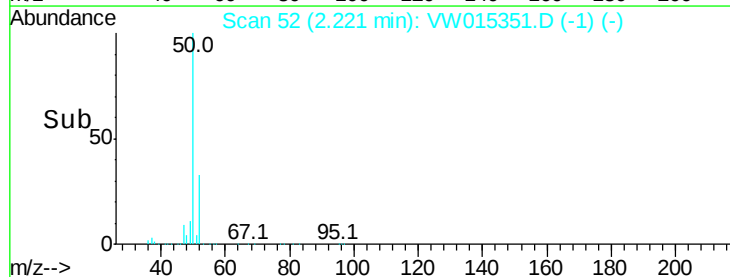
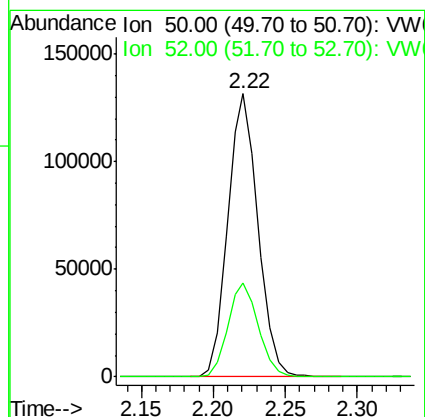
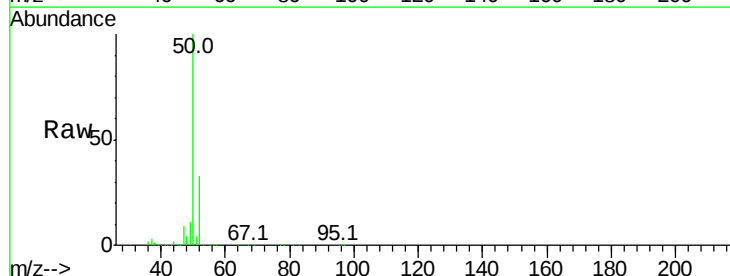
Acq: 27 Apr 2020 10:57

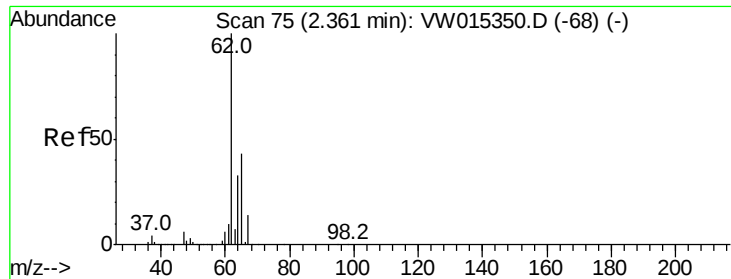
Tgt Ion: 50 Resp: 193089

Ion Ratio Lower Upper

50 100

52 33.0 23.0 42.8





#5

Vinyl chloride

Concen: 56.275 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Instrument :

MSVOA_W

ClientSampleId :

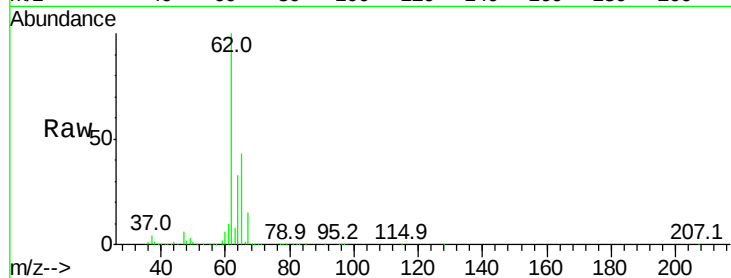
VSTD05003

Tgt Ion: 62 Resp: 226625

Ion Ratio Lower Upper

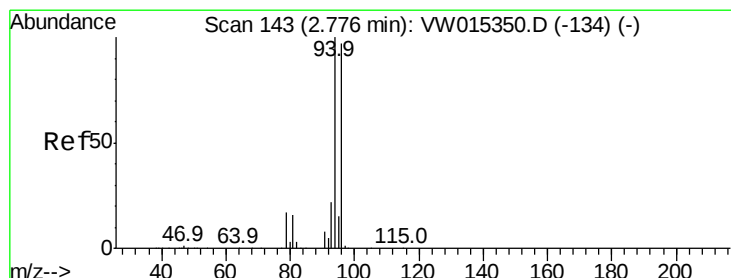
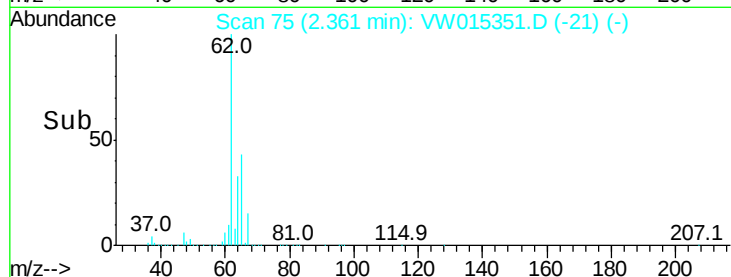
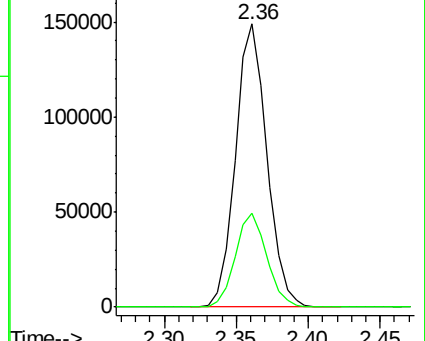
62 100

64 33.0 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 71.917 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW015351.D

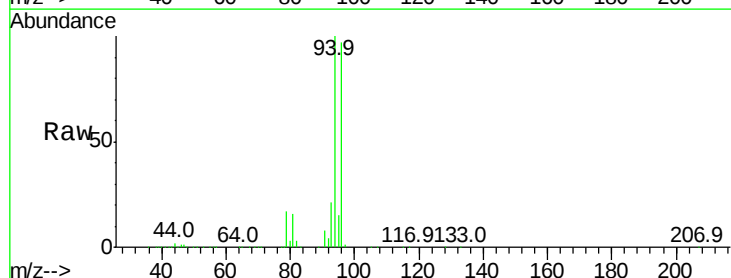
Acq: 27 Apr 2020 10:57

Tgt Ion: 94 Resp: 162831

Ion Ratio Lower Upper

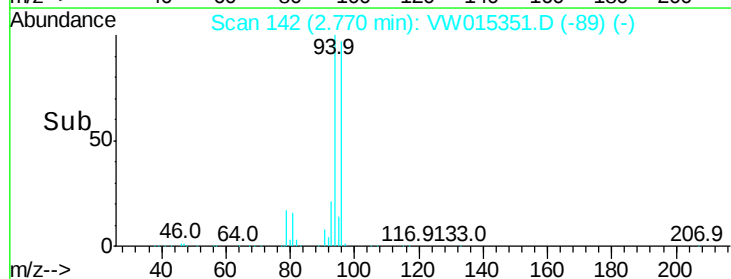
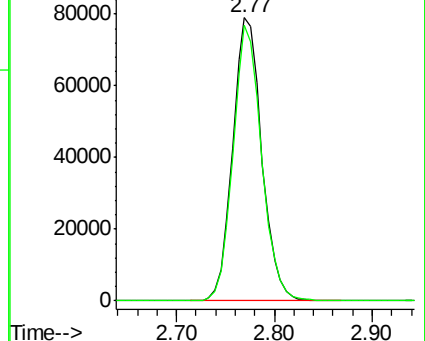
94 100

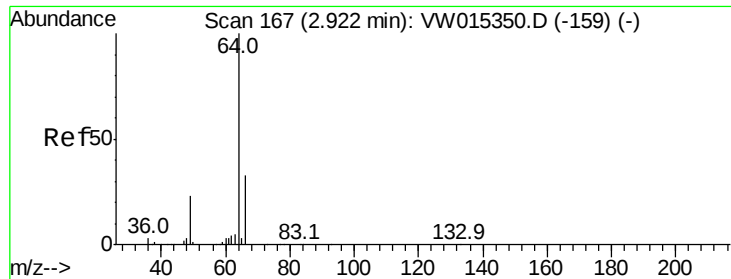
96 95.3 9.5 180.5



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 62.099 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Instrument :

MSVOA_W

ClientSampleId :

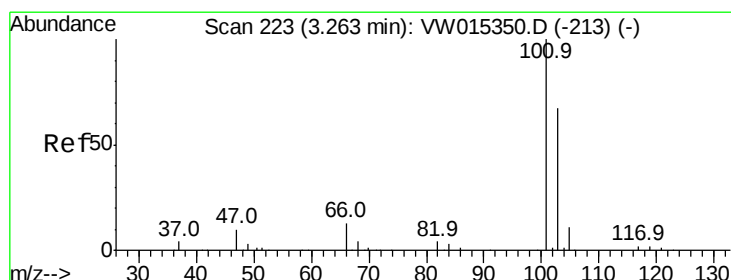
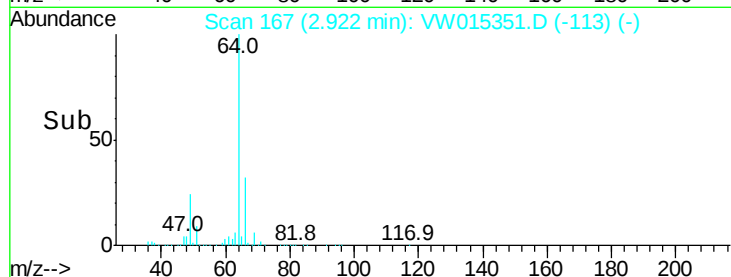
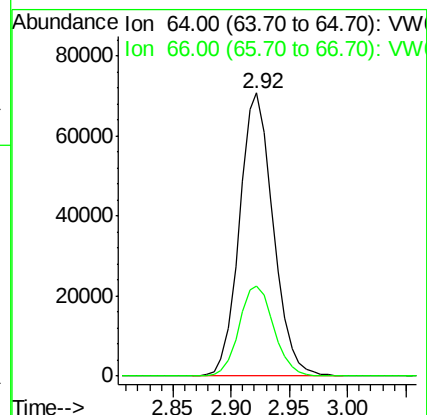
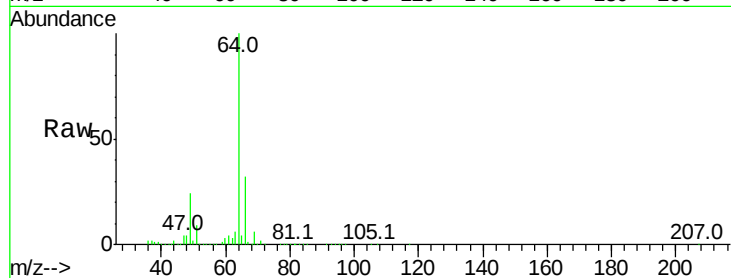
VSTD05003

Tgt Ion: 64 Resp: 142639

Ion Ratio Lower Upper

64 100

66 31.9 22.9 42.5



#9

Trichlorofluoromethane

Concen: 105.719 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015351.D

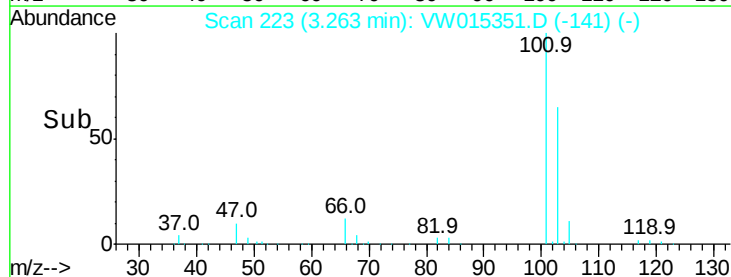
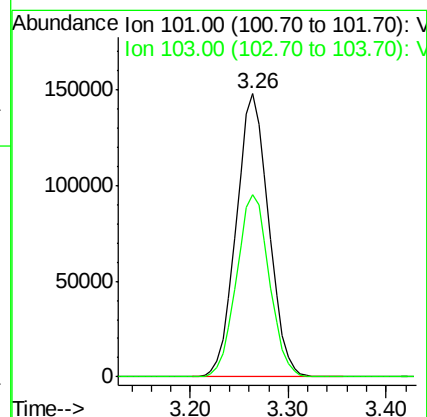
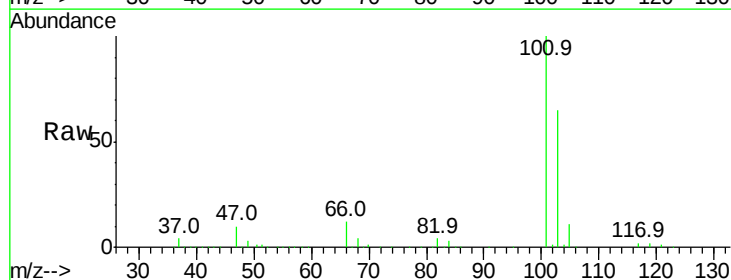
Acq: 27 Apr 2020 10:57

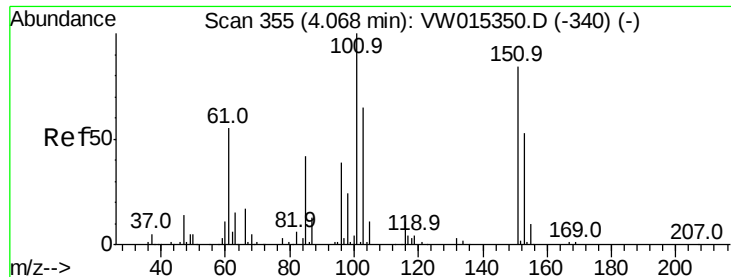
Tgt Ion: 101 Resp: 339577

Ion Ratio Lower Upper

101 100

103 65.2 45.8 85.2





#11

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

Concen: 46.410 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

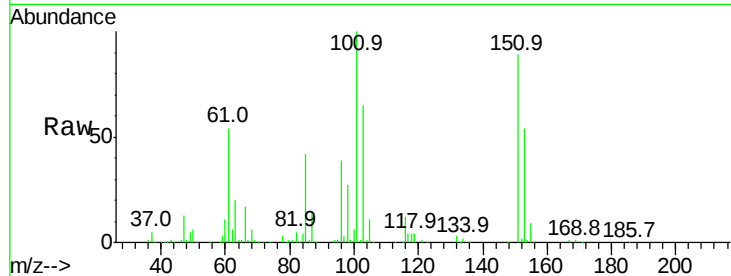
Tgt Ion:101 Resp: 212325

Ion Ratio Lower Upper

101 100

85 42.0 34.0 51.0

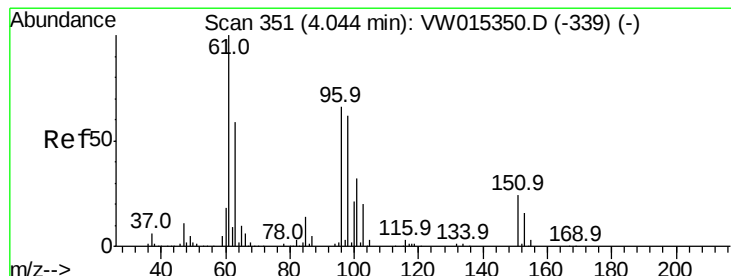
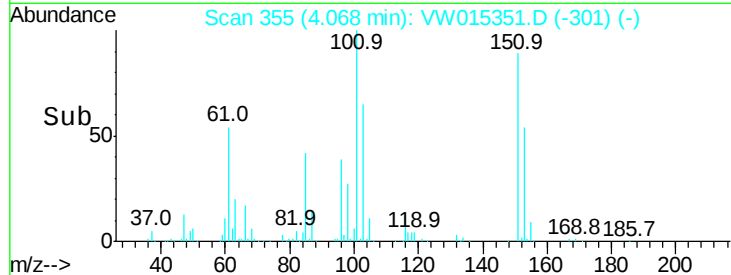
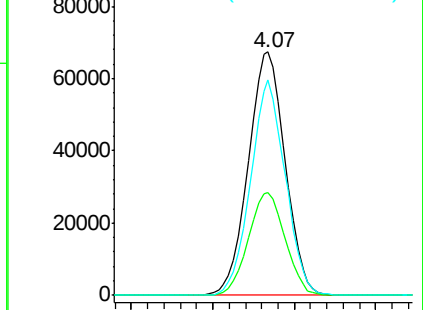
151 83.2 67.0 100.4



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: 43.427 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

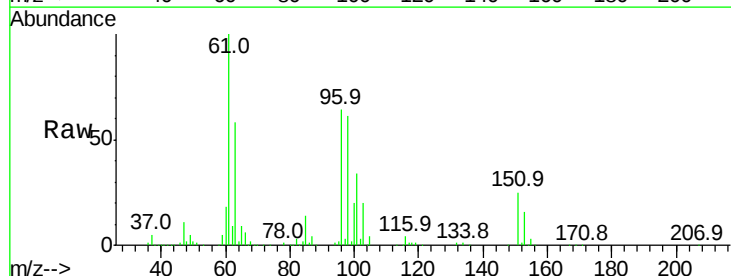
Tgt Ion: 96 Resp: 192672

Ion Ratio Lower Upper

96 100

61 155.2 106.2 197.2

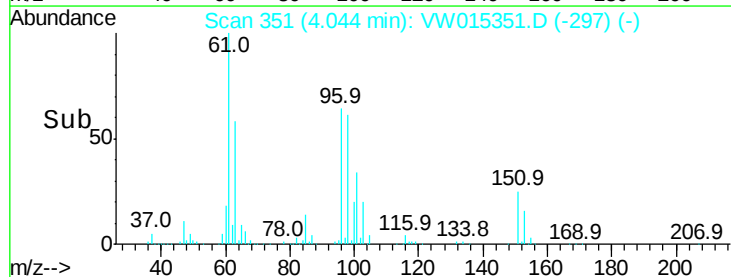
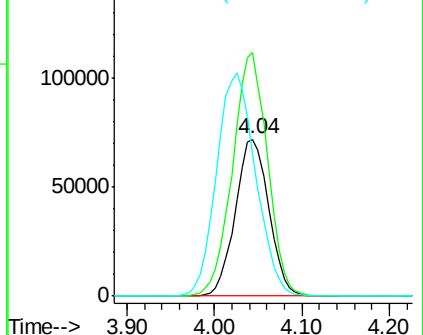
63 90.7 63.7 118.3

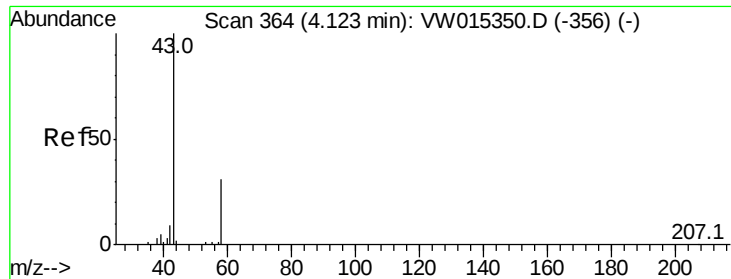


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 98.297 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Instrument :

MSVOA_W

ClientSampled :

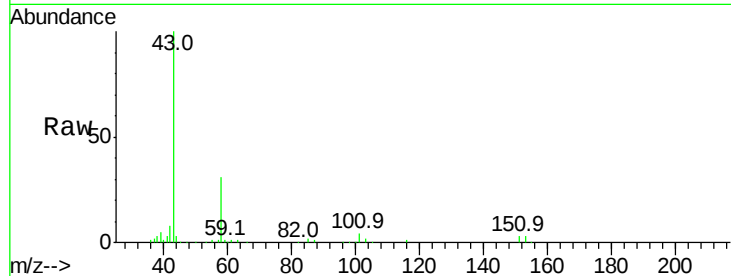
VSTD05003

Tgt Ion: 43 Resp: 70360

Ion Ratio Lower Upper

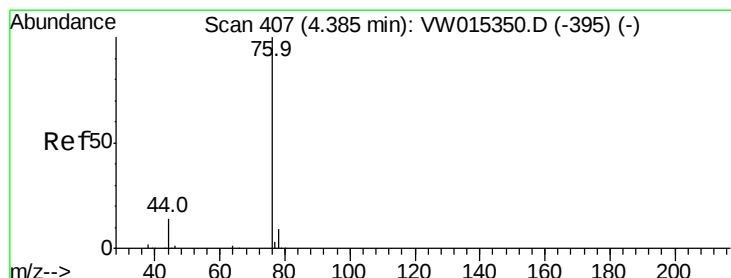
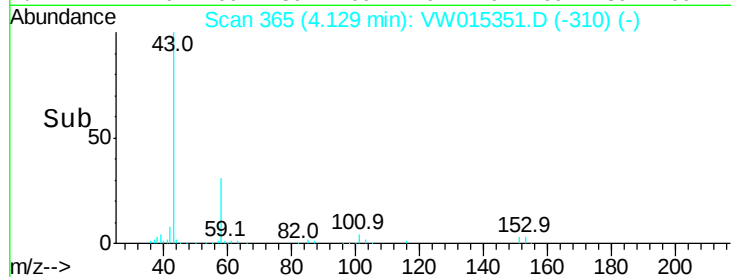
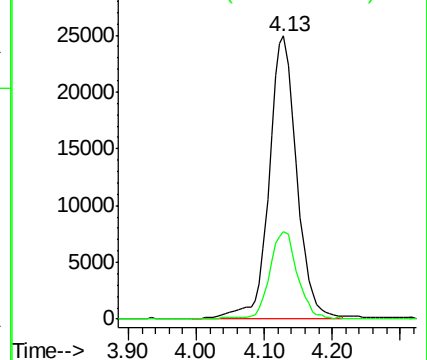
43 100

58 30.3 0.0 65.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 43.125 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW015351.D

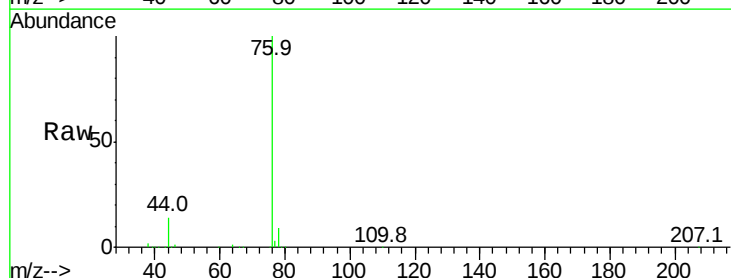
Acq: 27 Apr 2020 10:57

Tgt Ion: 76 Resp: 600706

Ion Ratio Lower Upper

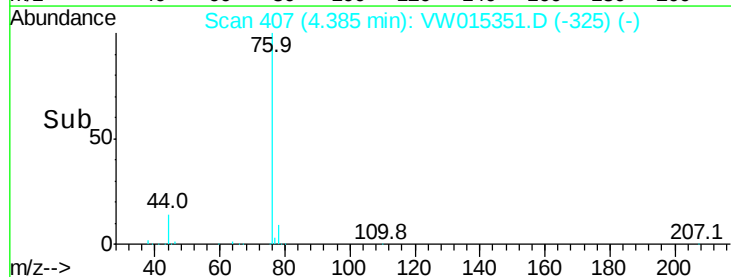
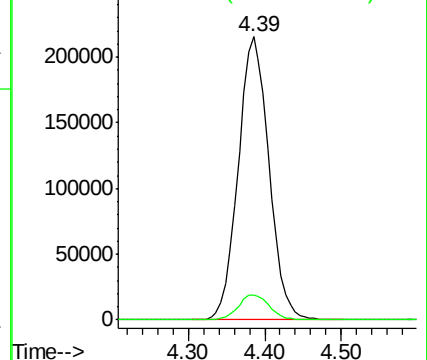
76 100

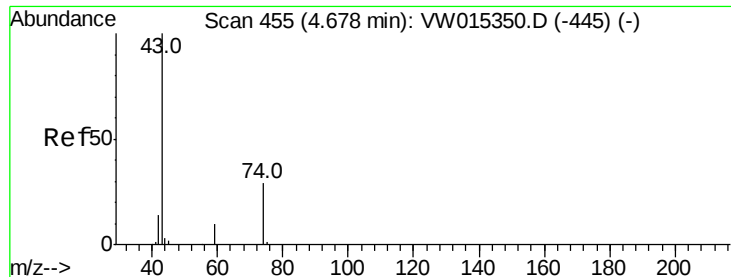
78 9.0 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

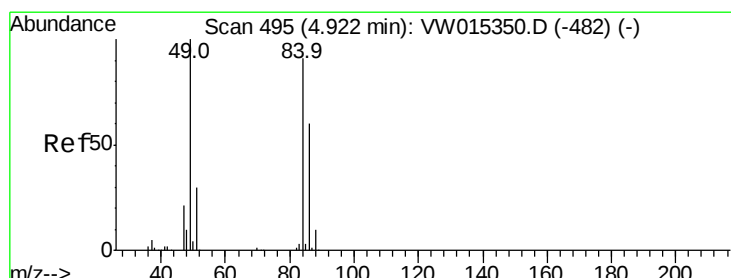
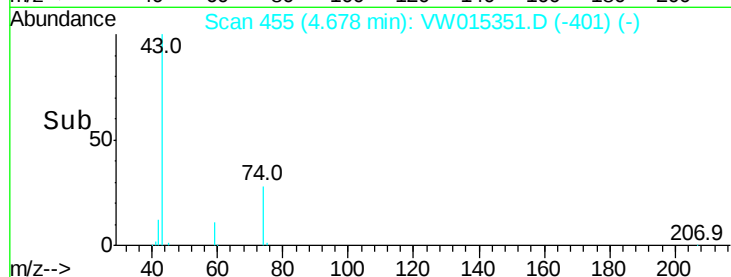
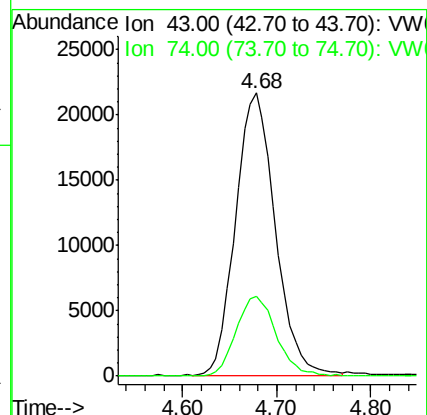
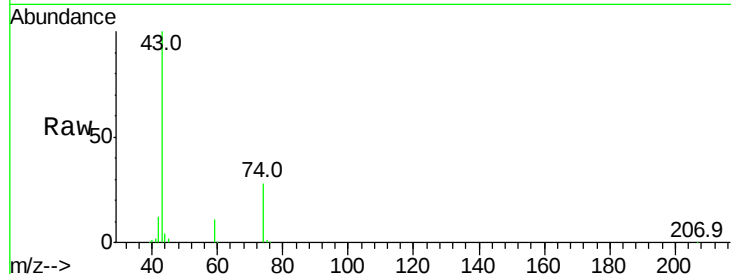




#15
Methyl Acetate
Concen: 38.599 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW015351.D
Acq: 27 Apr 2020 10:57

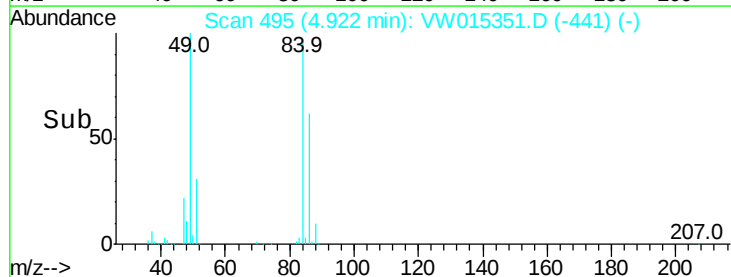
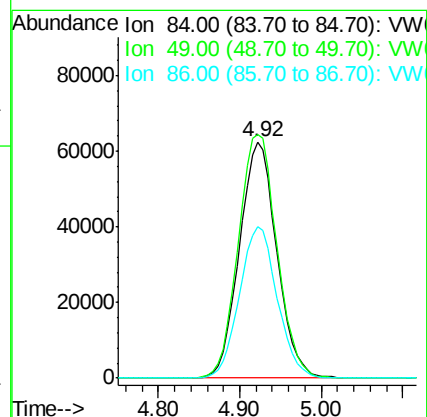
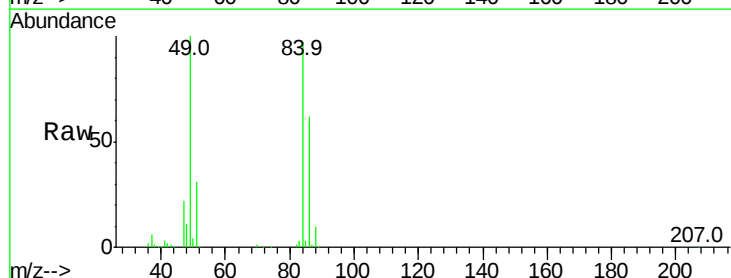
Instrument :
MSVOA_W
ClientSampleId :
VSTD05003

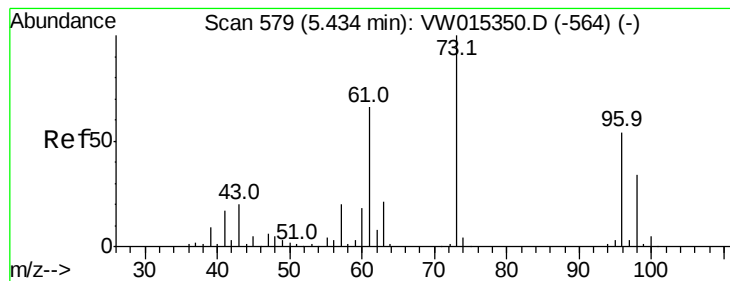
Tgt Ion: 43 Resp: 63430
Ion Ratio Lower Upper
43 100
74 28.7 22.9 34.3



#16
Methylene chloride
Concen: 42.264 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW015351.D
Acq: 27 Apr 2020 10:57

Tgt Ion: 84 Resp: 198273
Ion Ratio Lower Upper
84 100
49 102.9 76.7 142.5
86 64.0 45.9 85.3





#17

Methyl tert-butyl Ether

Concen: 76.986 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

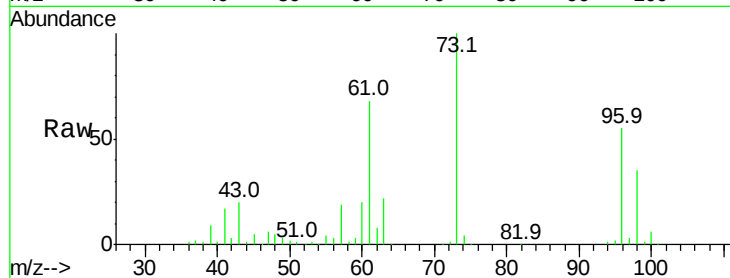
Tgt Ion: 73 Resp: 451430

Ion Ratio Lower Upper

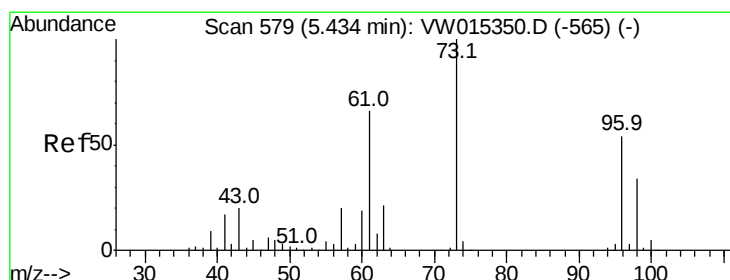
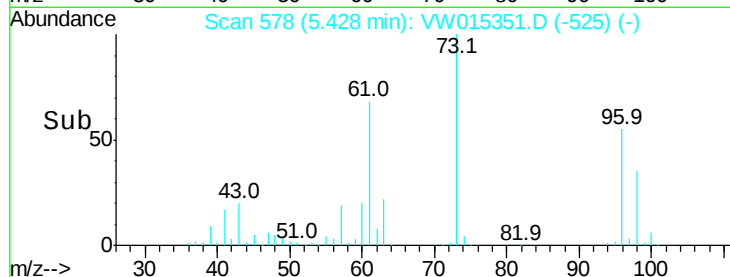
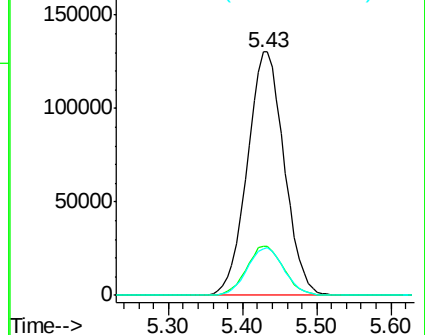
73 100

43 20.5 16.6 24.8

57 19.6 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: 46.732 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

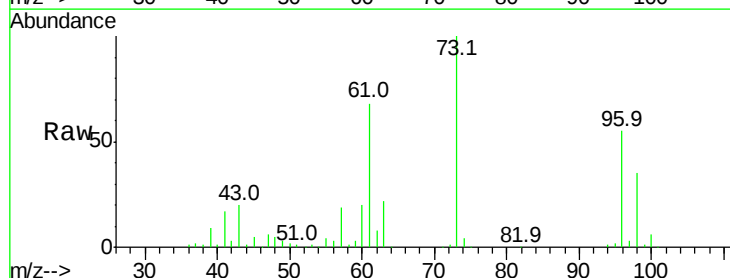
Tgt Ion: 96 Resp: 212636

Ion Ratio Lower Upper

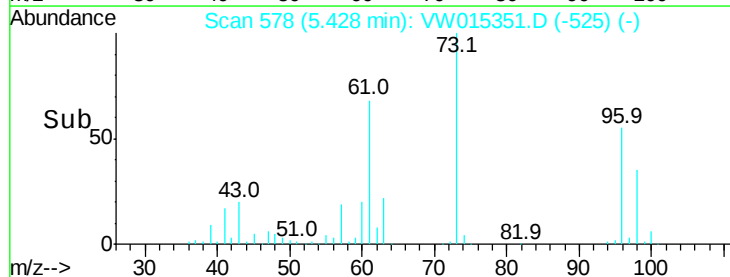
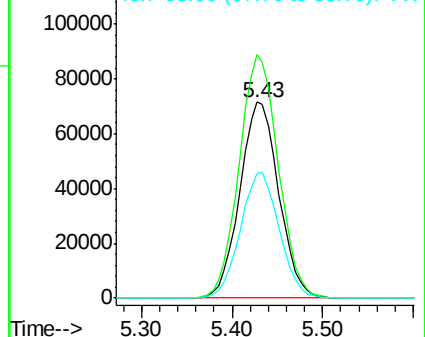
96 100

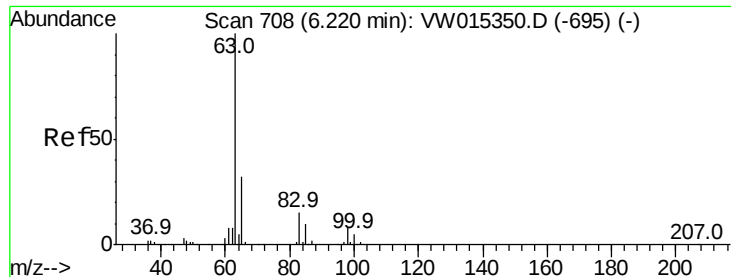
61 124.2 84.9 157.7

98 63.8 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

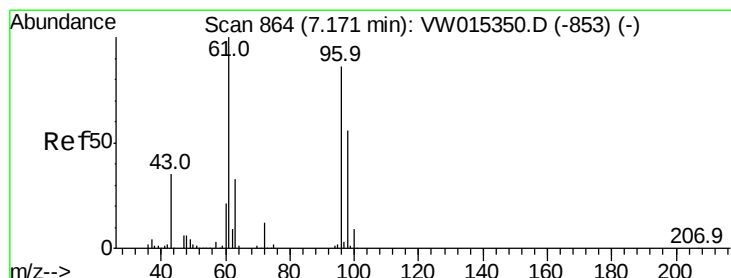
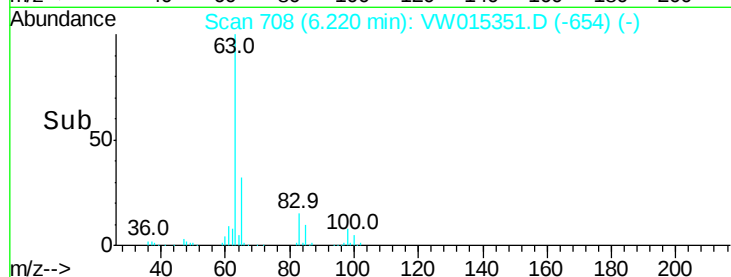
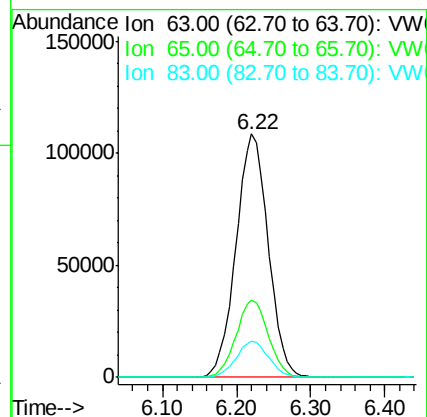
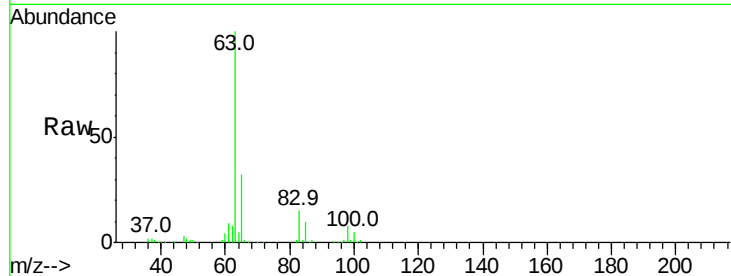




#19
 1,1-Dichloroethane
 Concen: 42.531 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW015351.D
 Acq: 27 Apr 2020 10:57

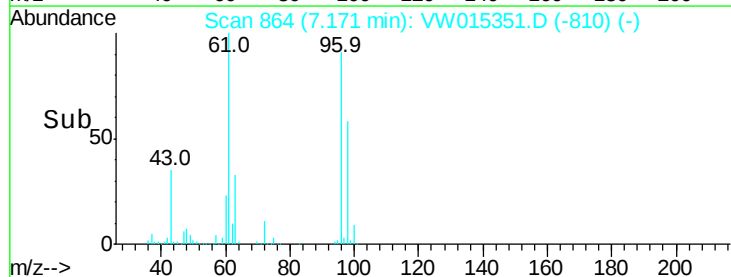
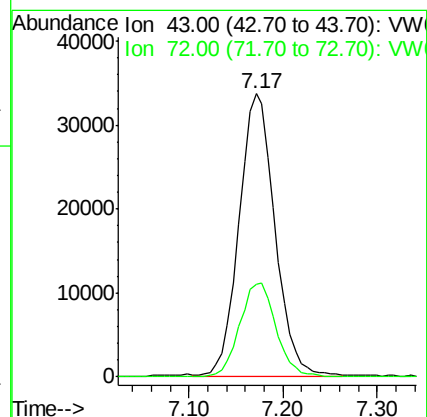
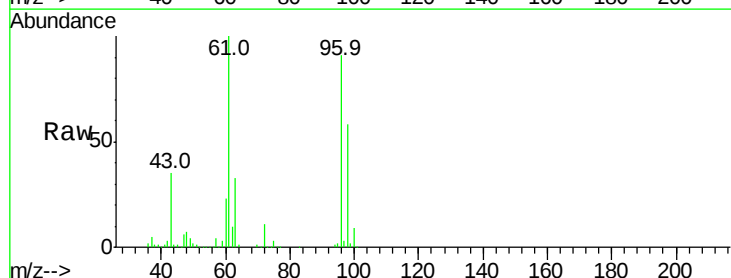
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

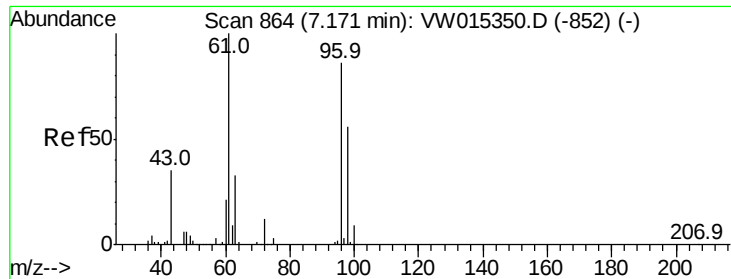
Tgt Ion: 63 Resp: 328474
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.3
 83 15.2 10.6 19.6



#21
 2-Butanone
 Concen: 78.060 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015351.D
 Acq: 27 Apr 2020 10:57

Tgt Ion: 43 Resp: 89973
 Ion Ratio Lower Upper
 43 100
 72 33.4 16.6 49.7



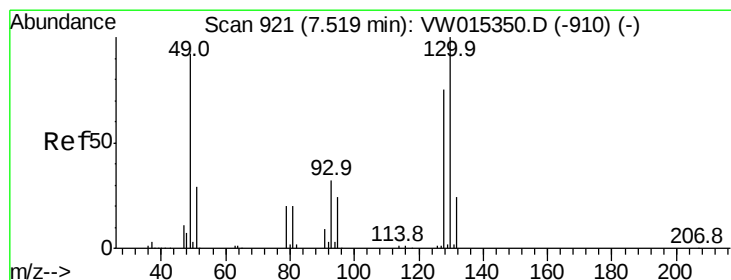
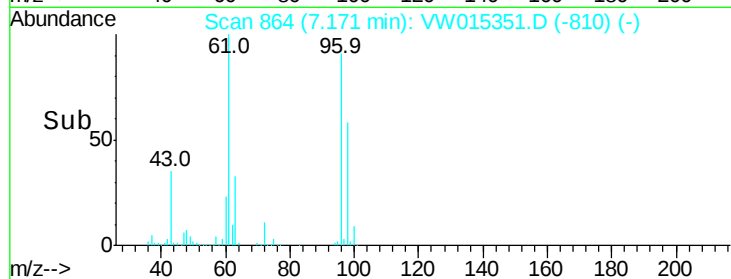
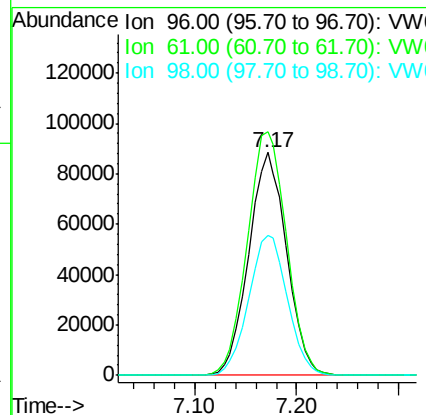
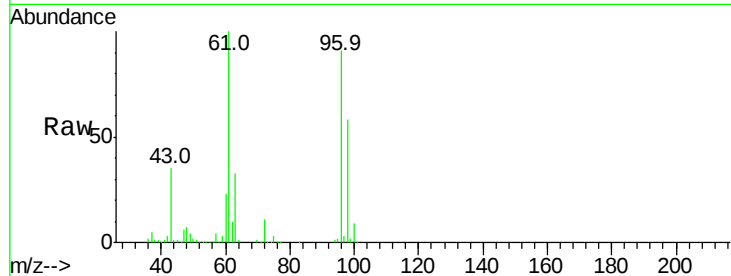


#22

cis-1,2-Dichloroethene
Concen: 48.081 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015351.D
Acq: 27 Apr 2020 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTD05003

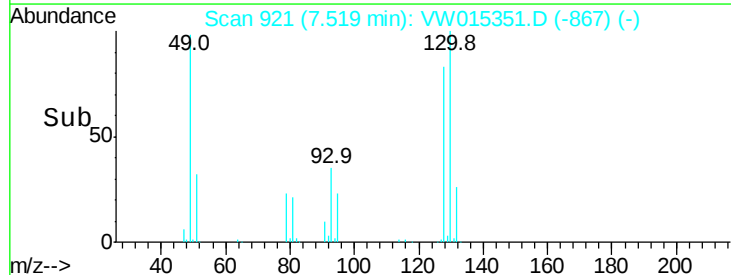
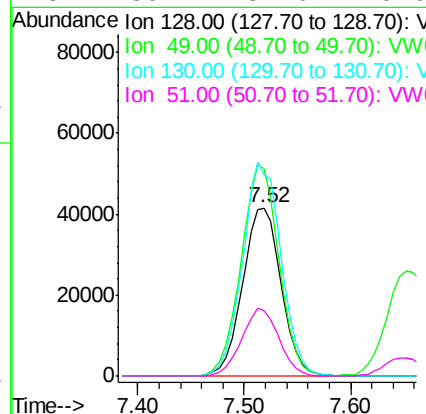
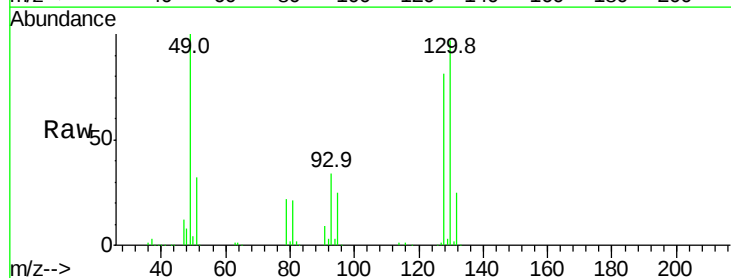
Tgt Ion: 96 Resp: 228510
Ion Ratio Lower Upper
96 100
61 109.4 81.2 150.8
98 63.1 45.4 84.2

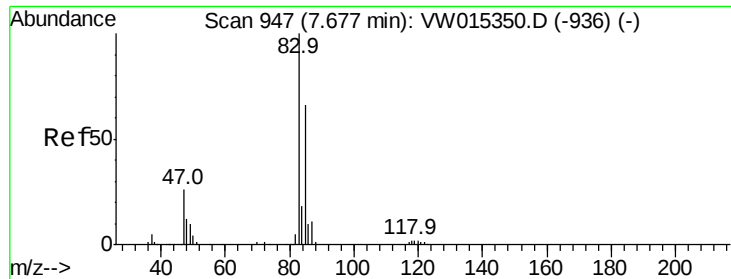


#23

Bromochloromethane
Concen: 53.189 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW015351.D
Acq: 27 Apr 2020 10:57

Tgt Ion: 128 Resp: 105197
Ion Ratio Lower Upper
128 100
49 123.6 85.1 158.1
130 119.8 92.9 172.5
51 39.1 31.0 46.6





#25

Chloroform

Concen: 54.231 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Instrument :

MSVOA_W

ClientSampleId :

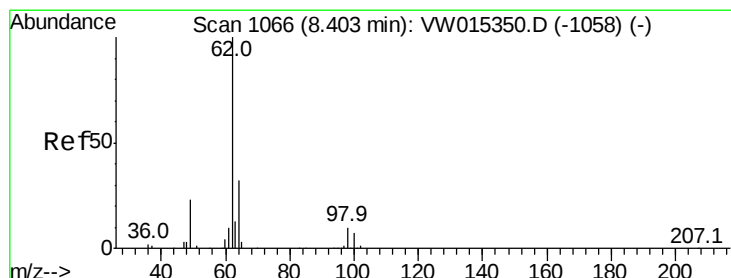
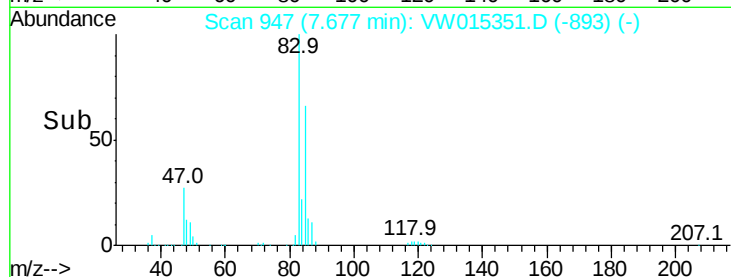
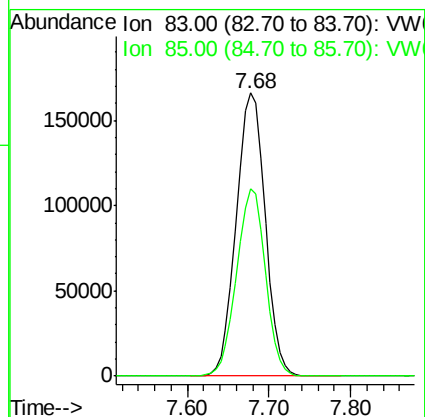
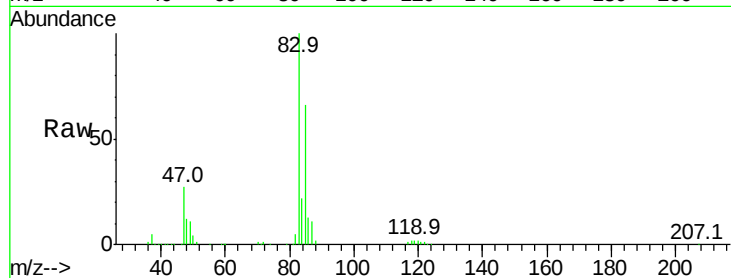
VSTD05003

Tgt Ion: 83 Resp: 407600

Ion Ratio Lower Upper

83 100

85 66.0 45.7 84.9



#27

1,2-Dichloroethane

Concen: 52.549 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW015351.D

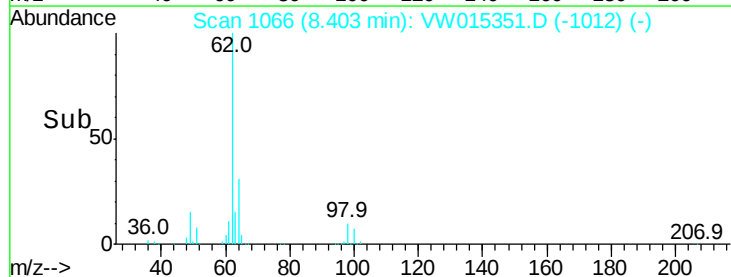
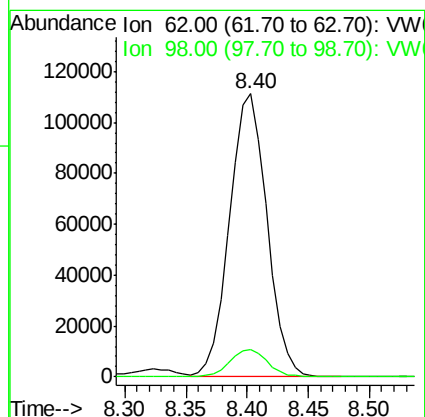
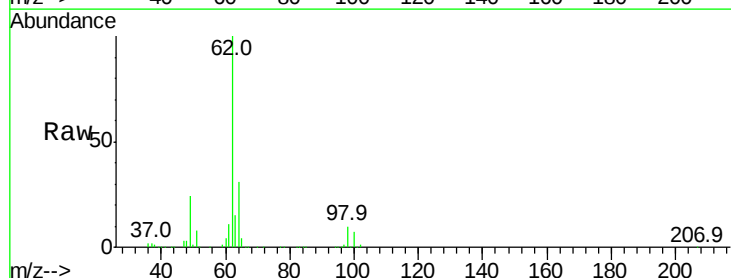
Acq: 27 Apr 2020 10:57

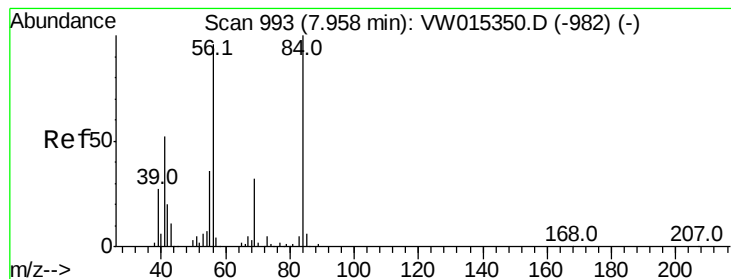
Tgt Ion: 62 Resp: 236030

Ion Ratio Lower Upper

62 100

98 9.6 7.8 11.6





#30

Cyclohexane

Concen: 34.209 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

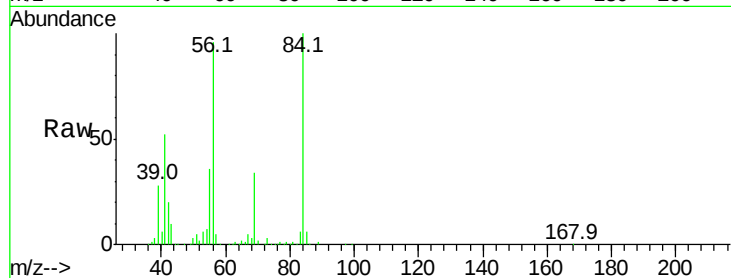
Tgt Ion: 56 Resp: 304946

Ion Ratio Lower Upper

56 100

69 34.3 27.4 41.2

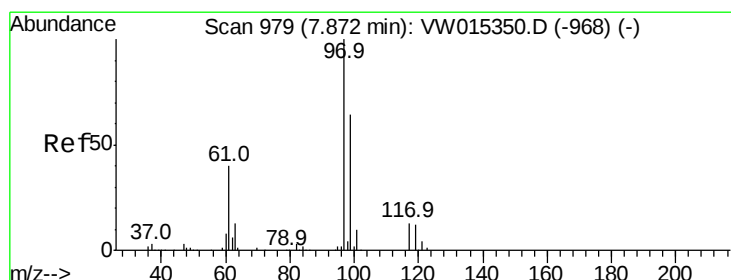
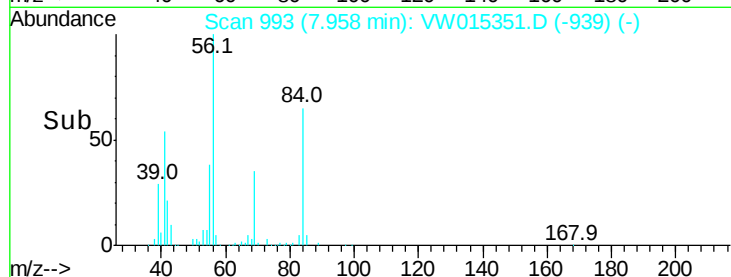
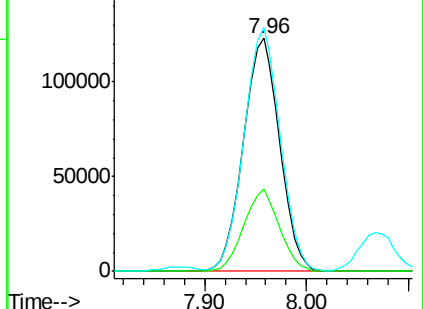
84 104.3 81.8 122.6



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 49.585 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

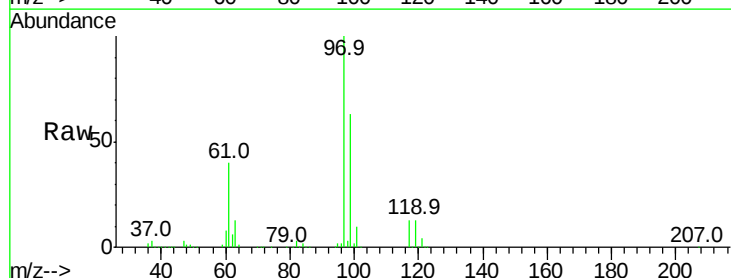
Tgt Ion: 97 Resp: 361906

Ion Ratio Lower Upper

97 100

99 63.2 51.0 76.4

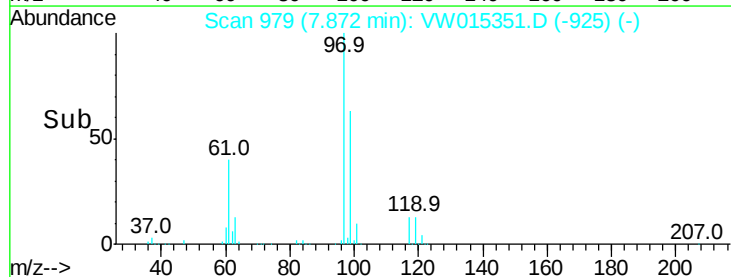
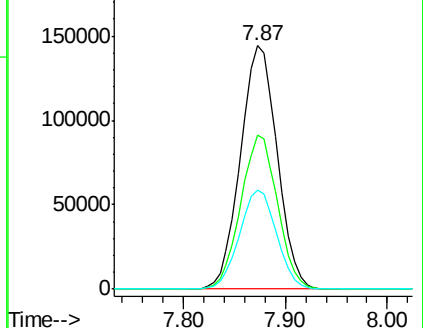
61 41.0 32.8 49.2

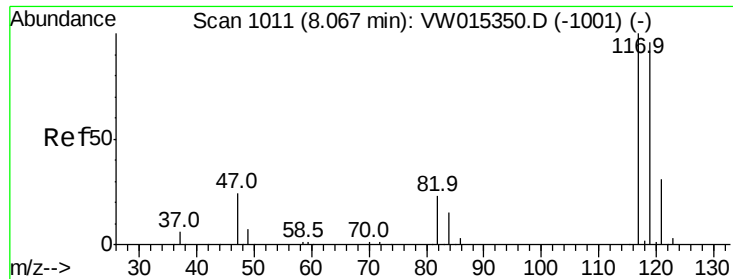


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 47.855 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Instrument :

MSVOA_W

ClientSampleId :

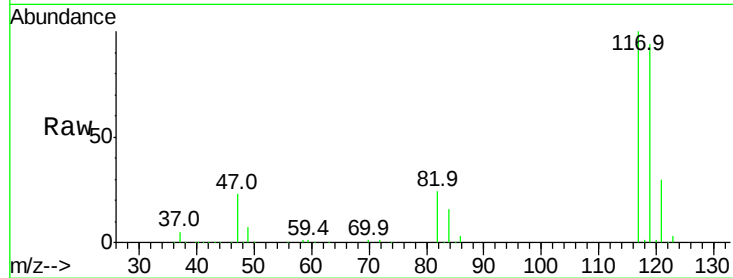
VSTD05003

Tgt Ion:117 Resp: 319859

Ion Ratio Lower Upper

117 100

119 96.9 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

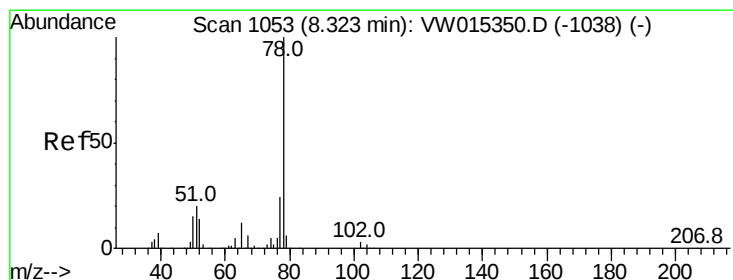
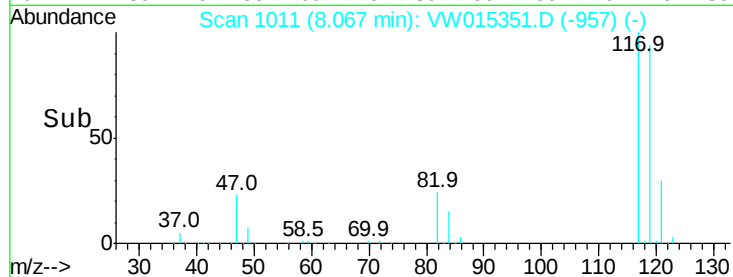
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 38.895 ug/L

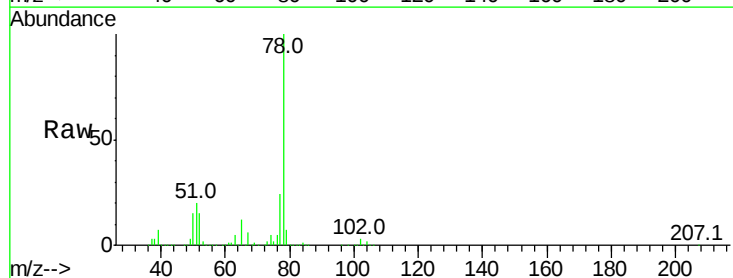
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Tgt Ion: 78 Resp: 785276



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

400000

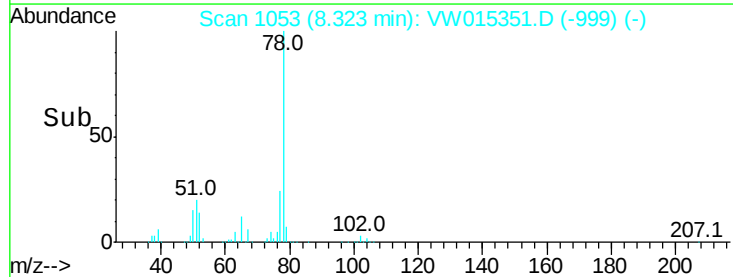
300000

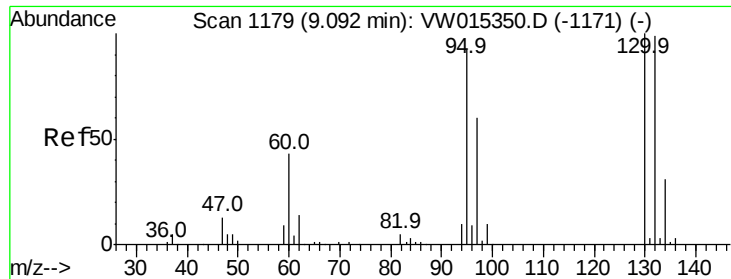
200000

100000

0

Time-->

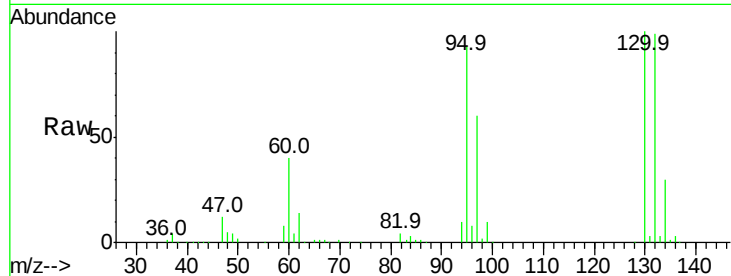




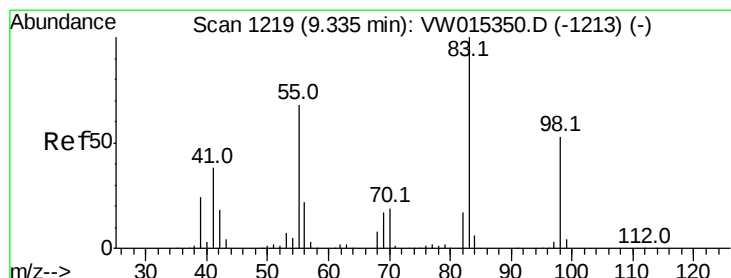
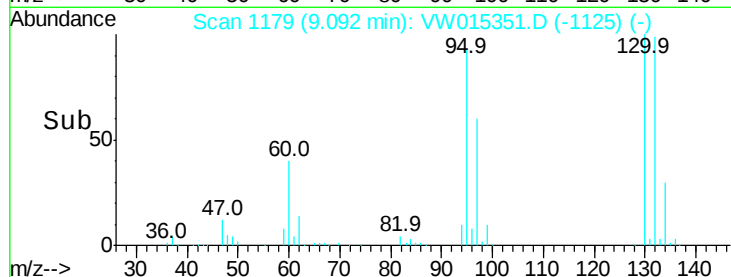
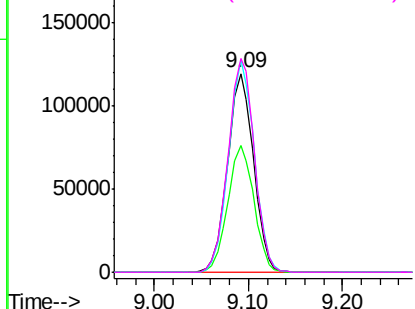
#35
 Trichloroethene
 Concen: 43.717 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015351.D
 Acq: 27 Apr 2020 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

Tgt Ion: 95 Resp: 228466
 Ion Ratio Lower Upper
 95 100
 97 64.2 45.6 84.6
 132 106.0 74.5 138.5
 130 109.0 76.7 142.5

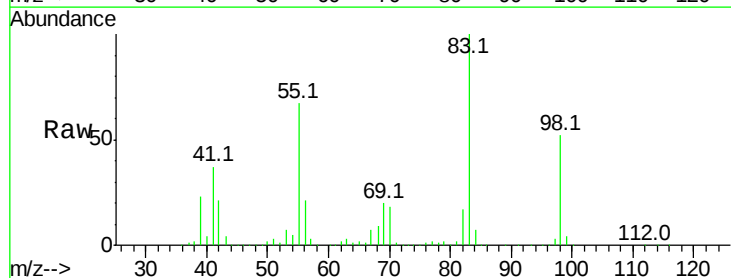


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

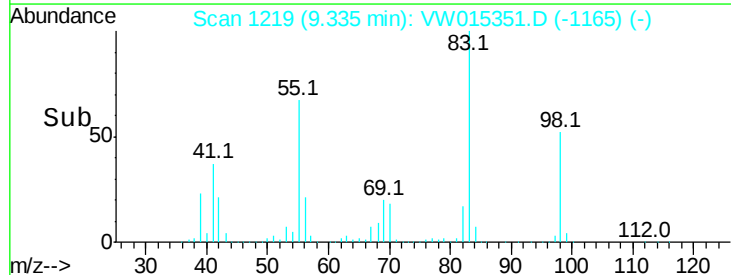
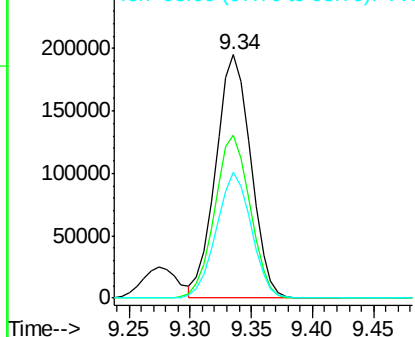


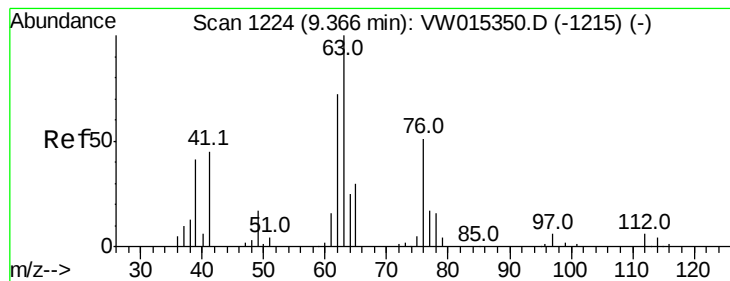
#36
 Methylcyclohexane
 Concen: 40.316 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015351.D
 Acq: 27 Apr 2020 10:57

Tgt Ion: 83 Resp: 388768
 Ion Ratio Lower Upper
 83 100
 55 67.7 53.8 80.8
 98 51.5 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: 36.093 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Instrument :

MSVOA_W

ClientSampleId :

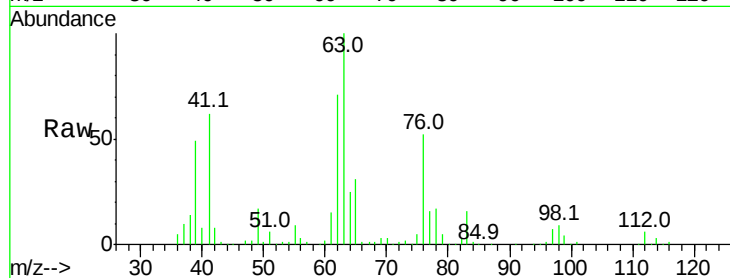
VSTD05003

Tgt Ion: 63 Resp: 176701

Ion Ratio Lower Upper

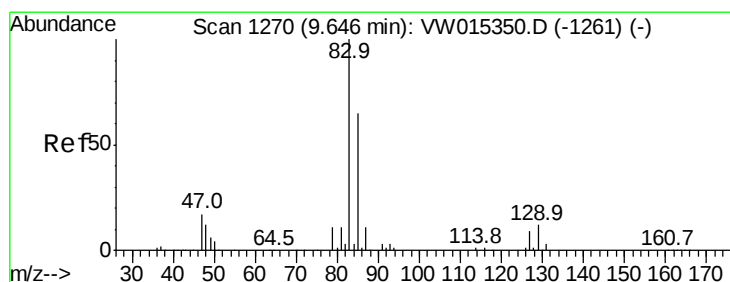
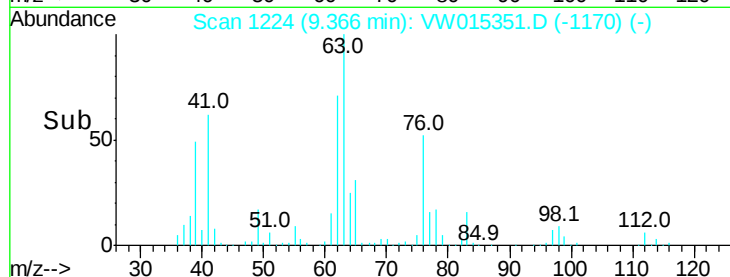
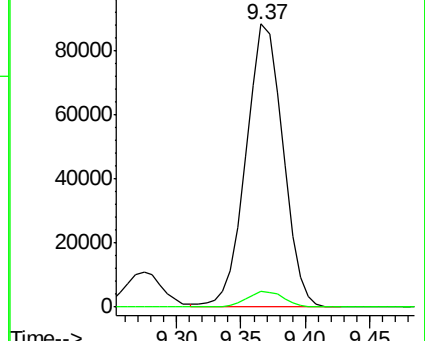
63 100

112 5.5 4.6 6.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 44.465 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

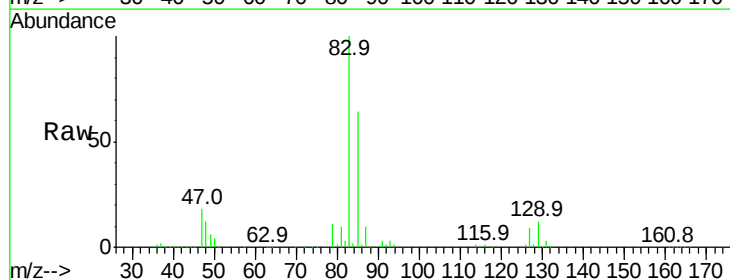
Tgt Ion: 83 Resp: 271754

Ion Ratio Lower Upper

83 100

85 64.4 45.8 85.2

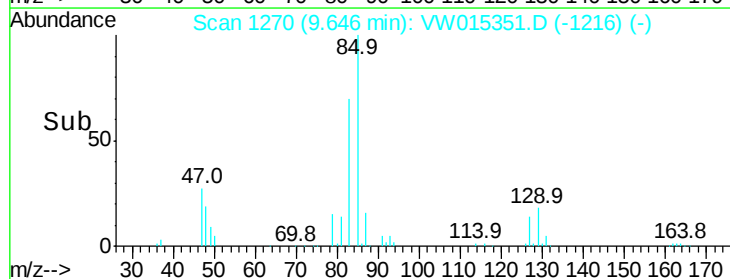
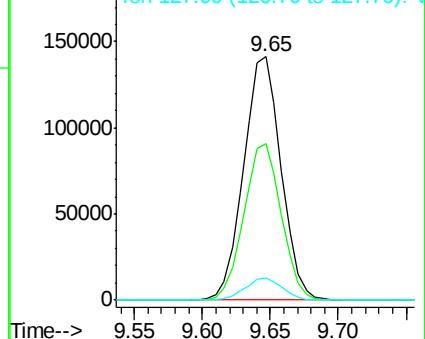
127 9.2 7.5 11.3

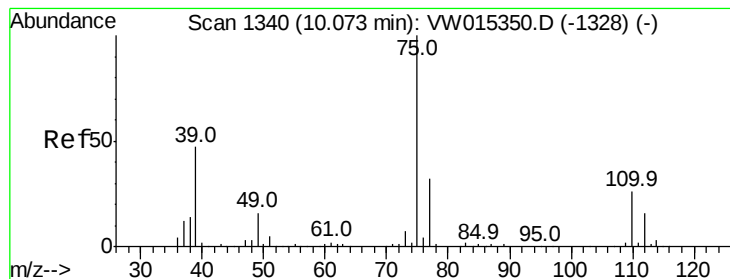


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 41.756 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Instrument :

MSVOA_W

ClientSampleId :

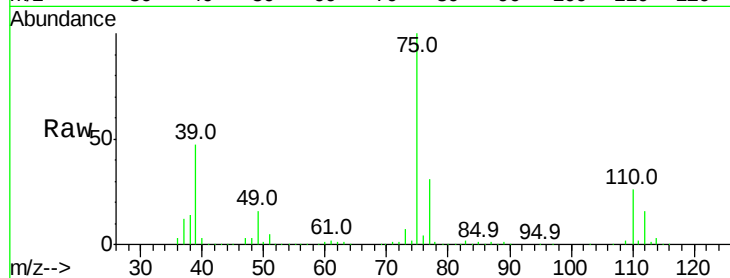
VSTD05003

Tgt Ion: 75 Resp: 321550

Ion Ratio Lower Upper

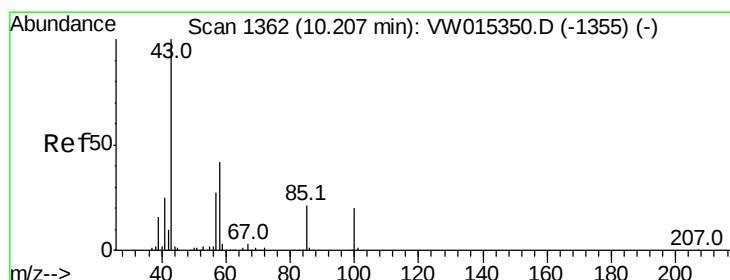
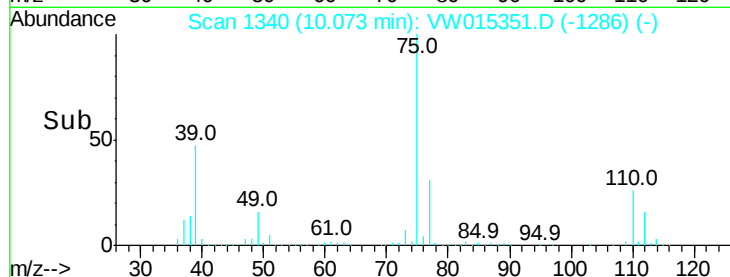
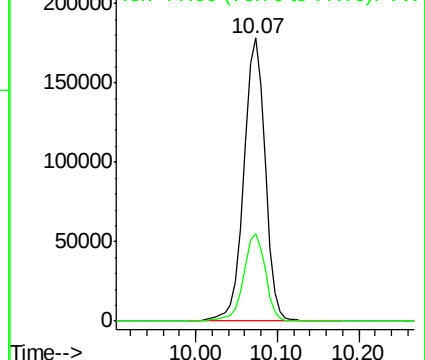
75 100

77 30.7 22.6 42.0



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: 67.378 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

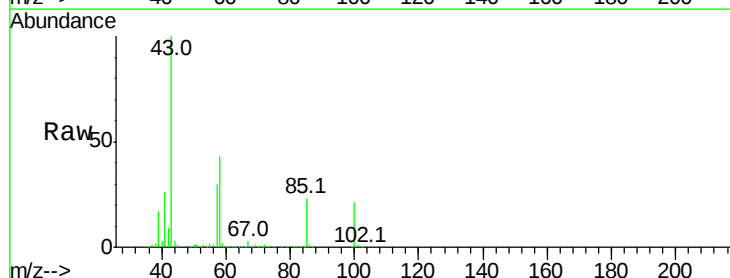
Tgt Ion: 43 Resp: 190912

Ion Ratio Lower Upper

43 100

58 42.7 34.2 51.4

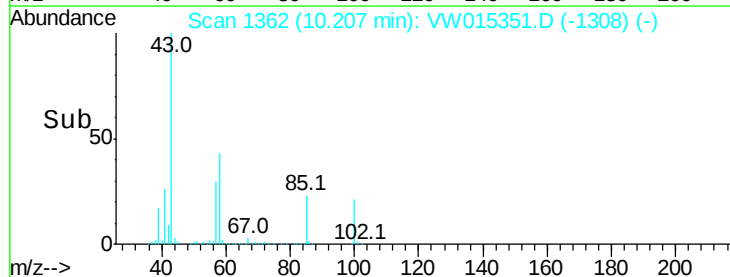
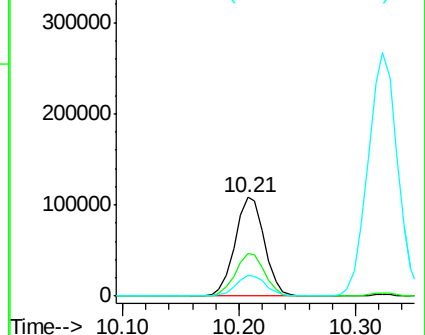
100 21.4 17.0 25.6

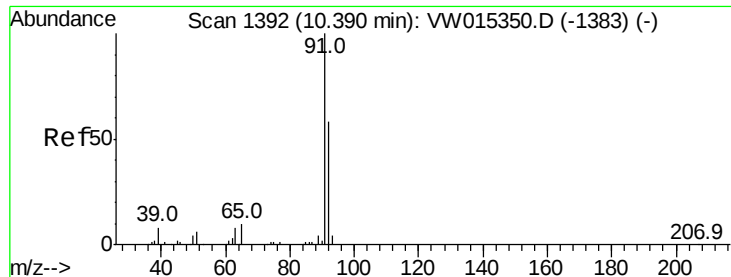


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 45.198 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Instrument :

MSVOA_W

ClientSampleId :

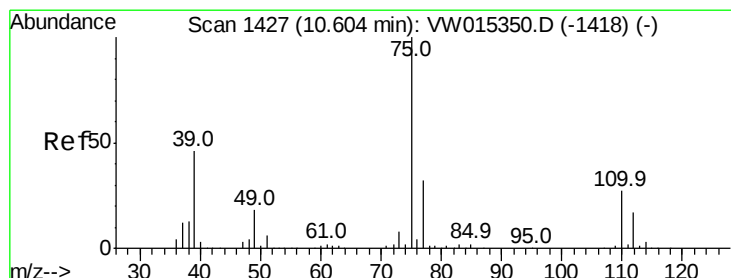
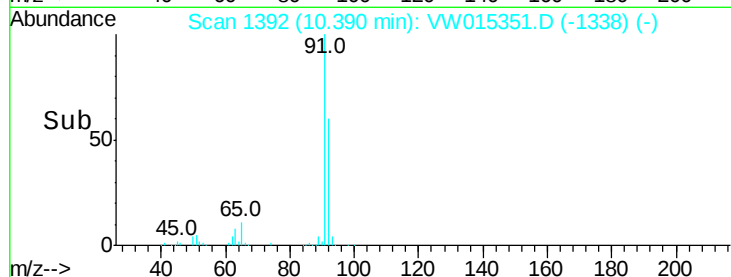
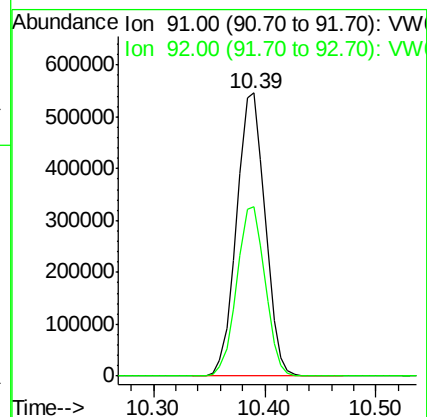
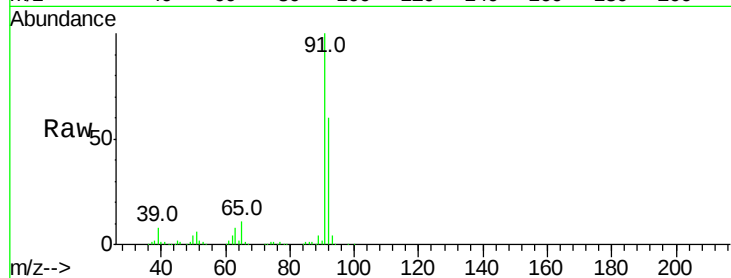
VSTD05003

Tgt Ion: 91 Resp: 968611

Ion Ratio Lower Upper

91 100

92 60.1 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 43.514 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015351.D

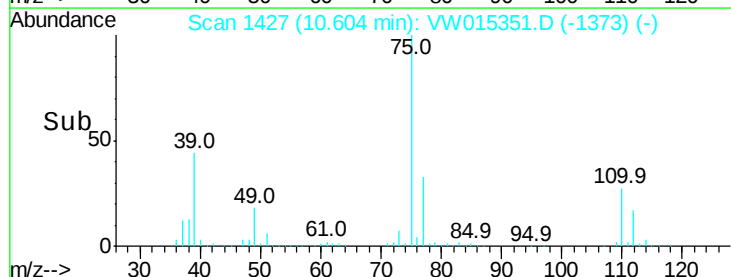
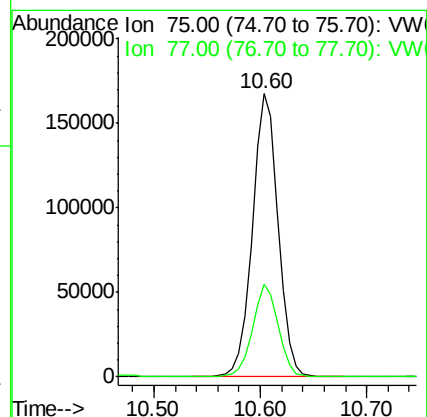
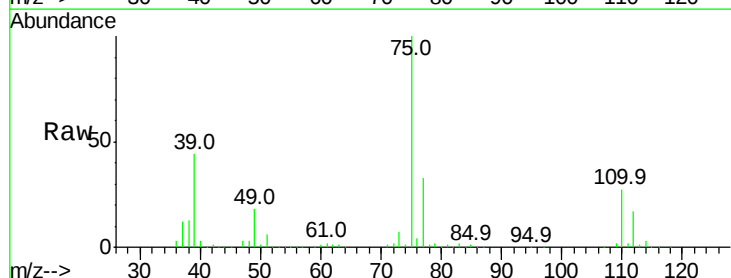
Acq: 27 Apr 2020 10:57

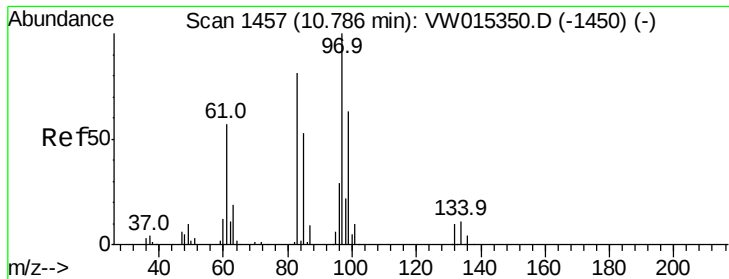
Tgt Ion: 75 Resp: 283463

Ion Ratio Lower Upper

75 100

77 32.8 22.3 41.5





#46

1,1,2-Trichloroethane

Concen: 43.440 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

Tgt Ion: 97 Resp: 150491

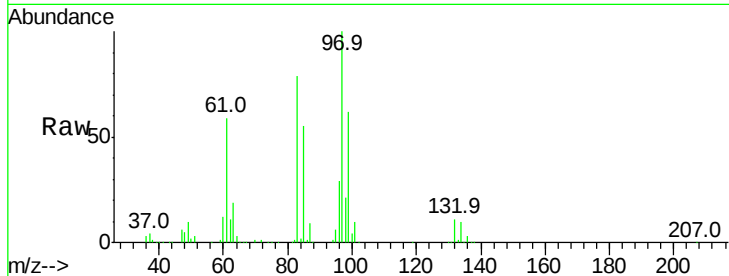
Ion Ratio Lower Upper

97 100

83 79.5 56.8 105.6

85 54.7 37.3 69.3

99 62.3 44.2 82.2

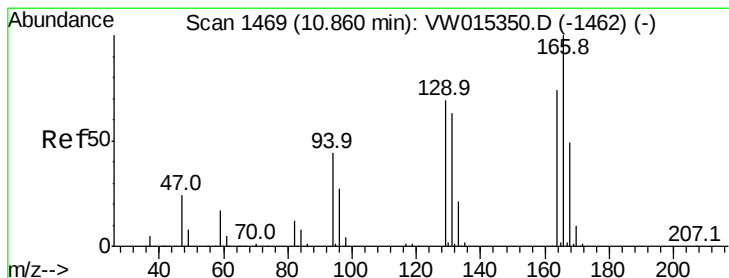
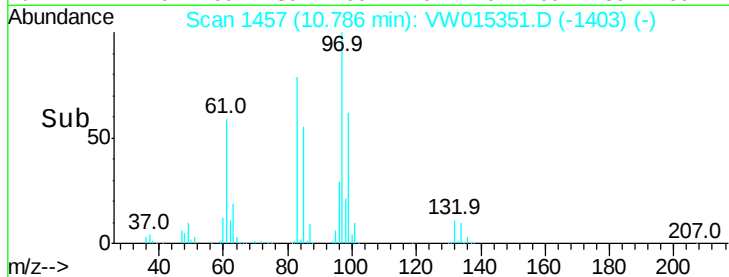
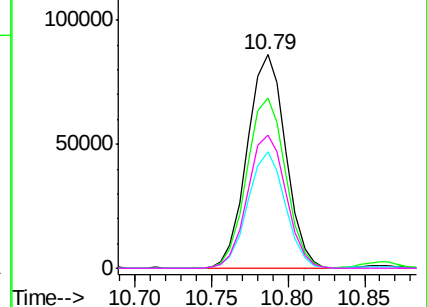


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 55.241 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Tgt Ion: 164 Resp: 219246

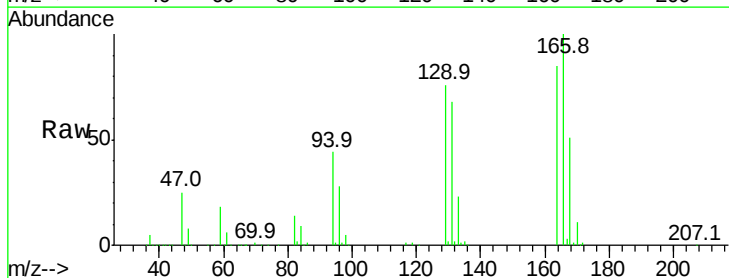
Ion Ratio Lower Upper

164 100

129 89.2 65.3 121.3

131 79.7 59.1 109.7

166 117.2 94.2 175.0

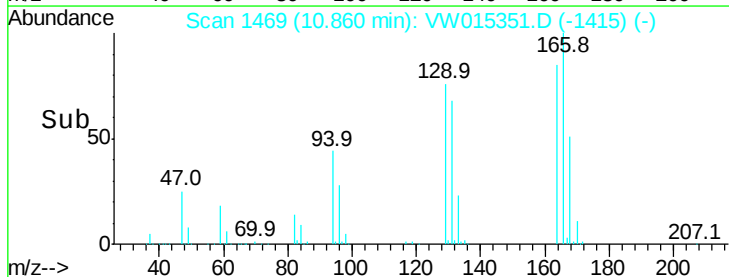
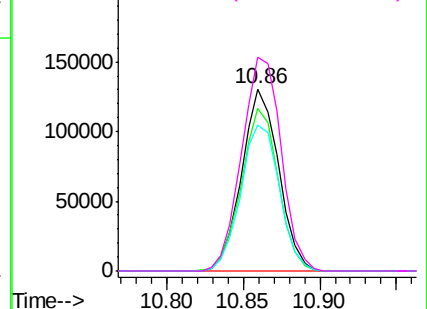


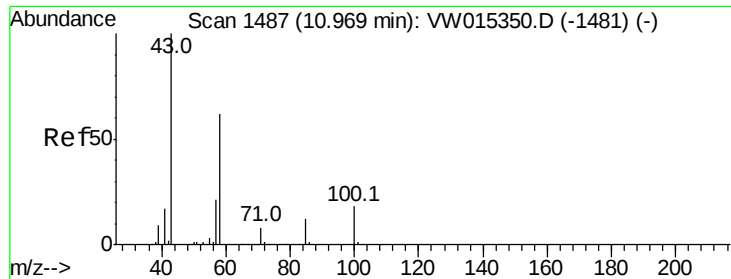
Abundance Ion 164.00 (163.70 to 164.70): V

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

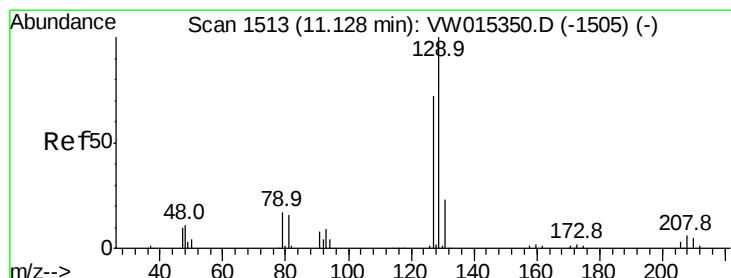
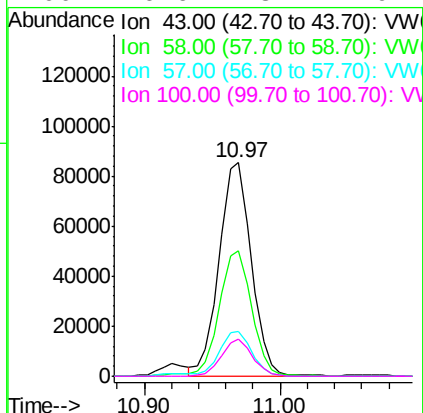
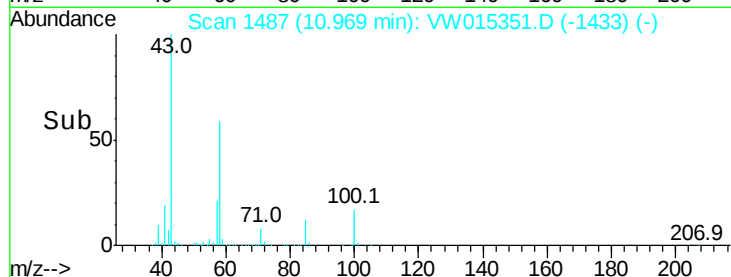
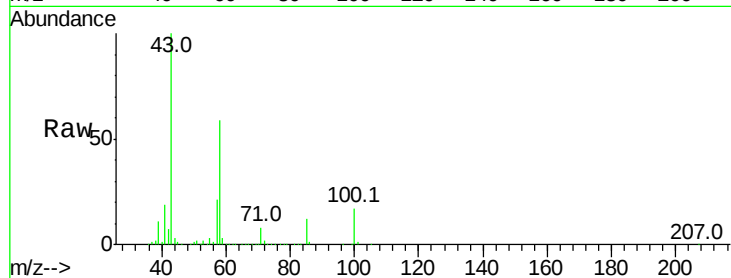




#49
2-Hexanone
Concen: 75.399 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015351.D
Acq: 27 Apr 2020 10:57

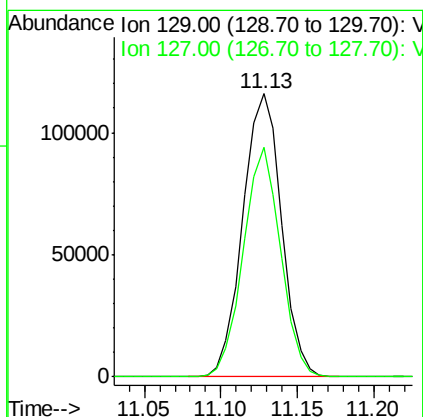
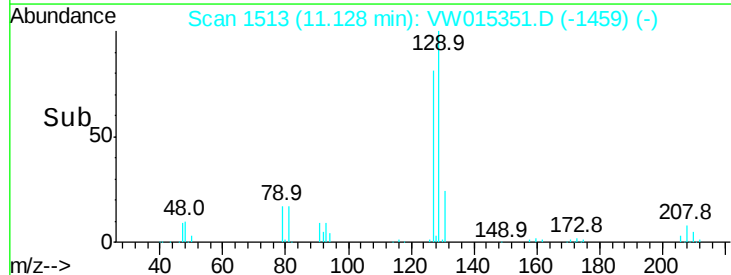
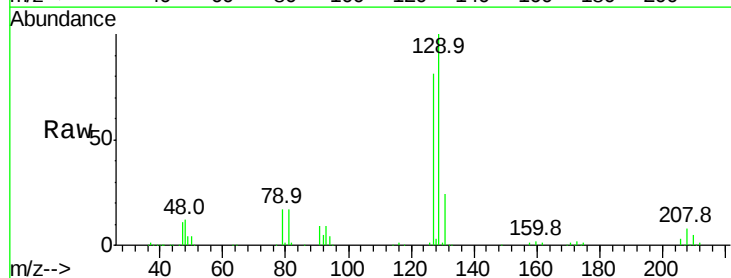
Instrument :
MSVOA_W
ClientSampleId :
VSTD05003

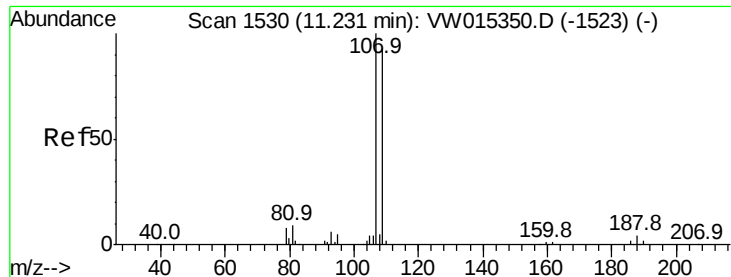
Tgt Ion: 43 Resp: 141026
Ion Ratio Lower Upper
43 100
58 58.6 47.4 71.2
57 21.4 16.7 25.1
100 16.6 13.4 20.2



#50
Dibromochloromethane
Concen: 50.153 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015351.D
Acq: 27 Apr 2020 10:57

Tgt Ion: 129 Resp: 204406
Ion Ratio Lower Upper
129 100
127 81.0 50.7 94.1





#51

1,2-Dibromoethane

Concen: 46.346 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

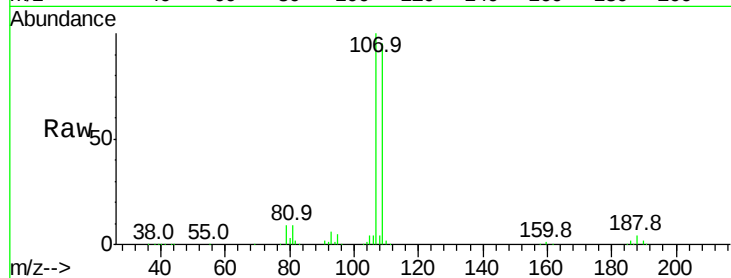
Tgt Ion:107 Resp: 150886

Ion Ratio Lower Upper

107 100

109 95.5 65.3 121.3

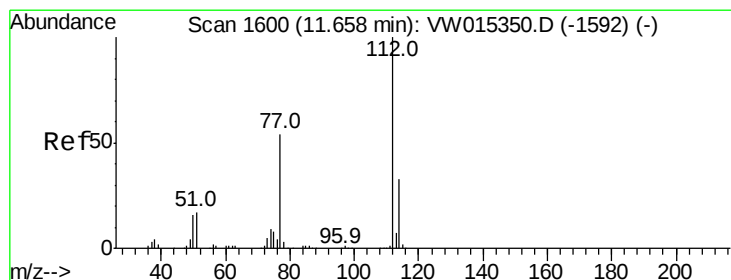
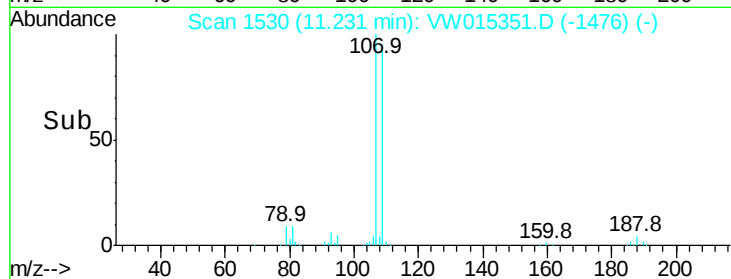
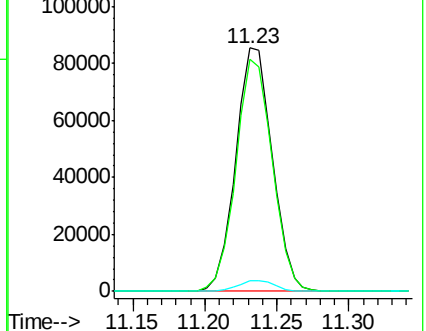
188 4.2 3.1 4.7



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: 49.476 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

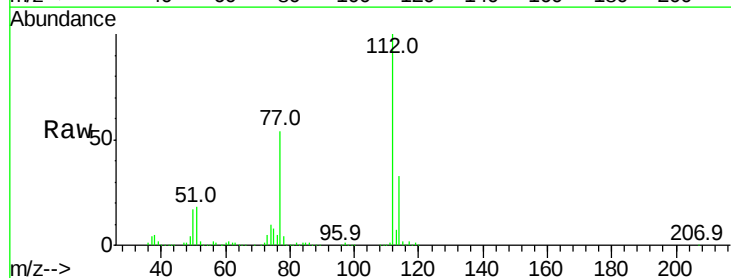
Tgt Ion:112 Resp: 654289

Ion Ratio Lower Upper

112 100

77 54.1 43.0 64.6

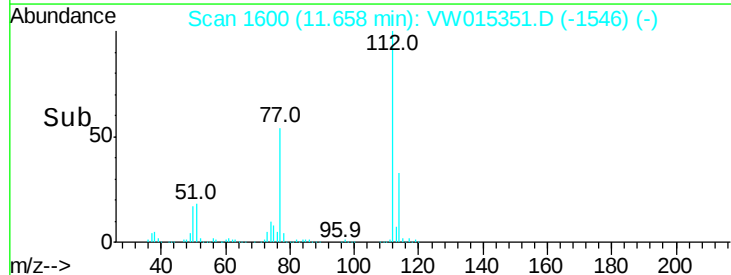
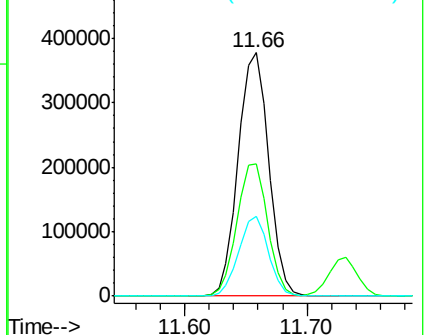
114 32.8 23.3 43.3

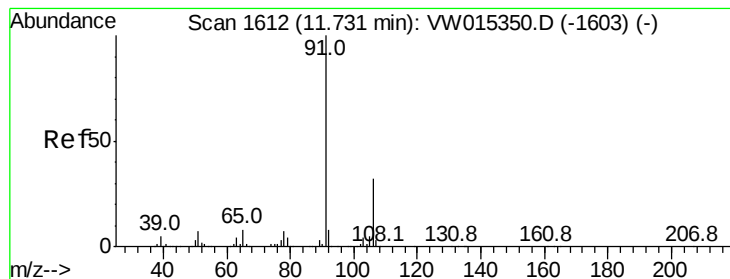


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 47.661 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Instrument :

MSVOA_W

ClientSampleId :

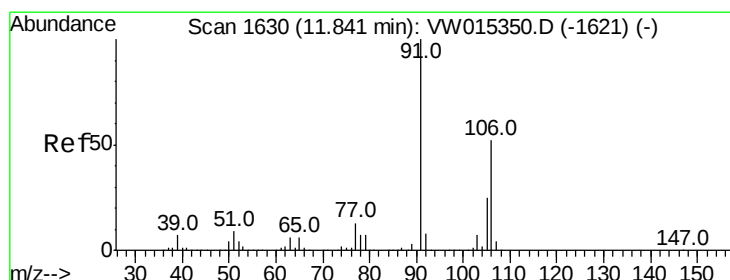
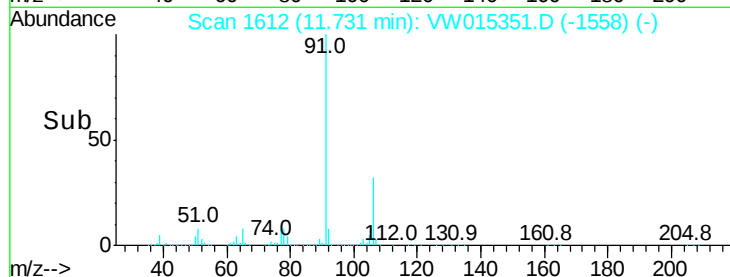
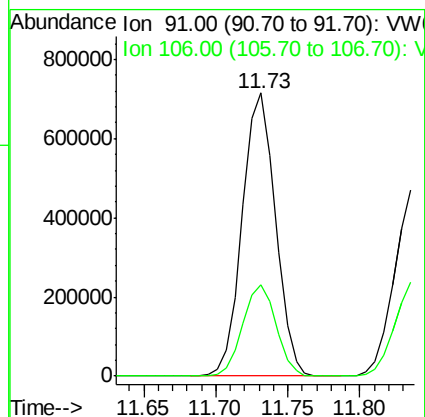
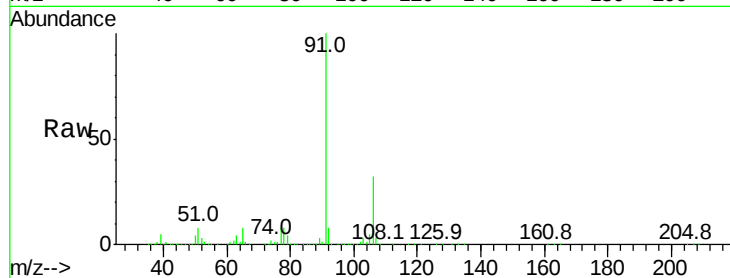
VSTD05003

Tgt Ion: 91 Resp: 1145155

Ion Ratio Lower Upper

91 100

106 32.4 22.5 41.9



#54

m,p-Xylene

Concen: 49.682 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015351.D

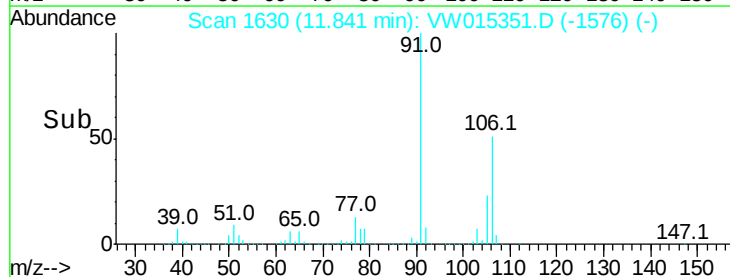
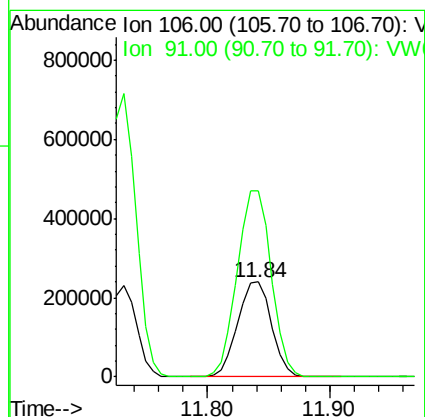
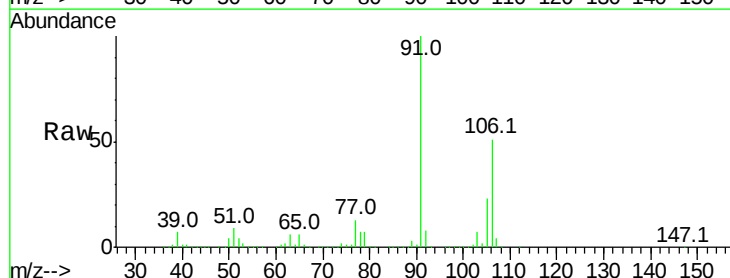
Acq: 27 Apr 2020 10:57

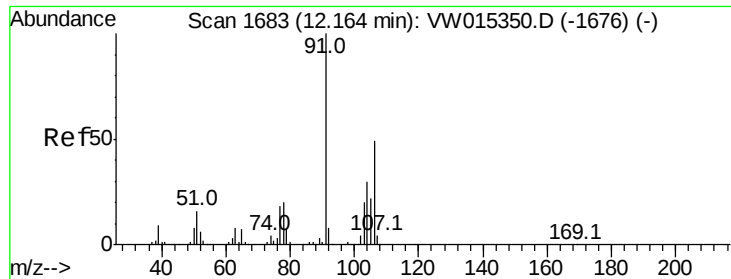
Tgt Ion: 106 Resp: 459560

Ion Ratio Lower Upper

106 100

91 196.7 134.3 249.5





#55

o-xylene

Concen: 50.022 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Instrument :

MSVOA_W

ClientSampleId :

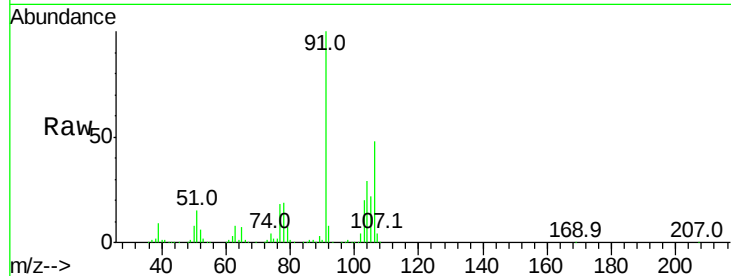
VSTD05003

Tgt Ion:106 Resp: 443054

Ion Ratio Lower Upper

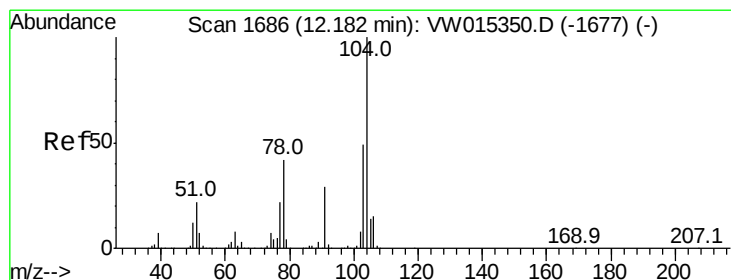
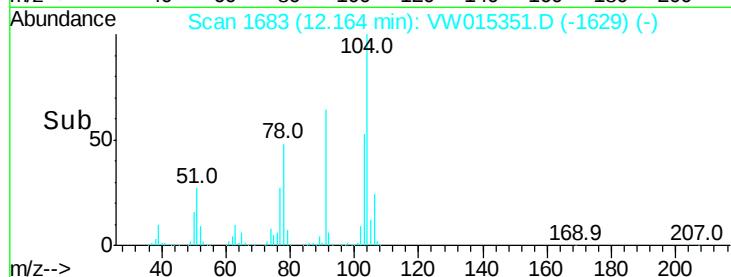
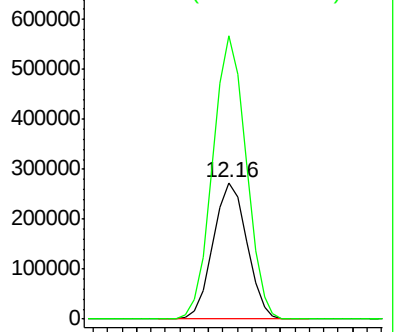
106 100

91 207.1 142.0 263.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 50.538 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015351.D

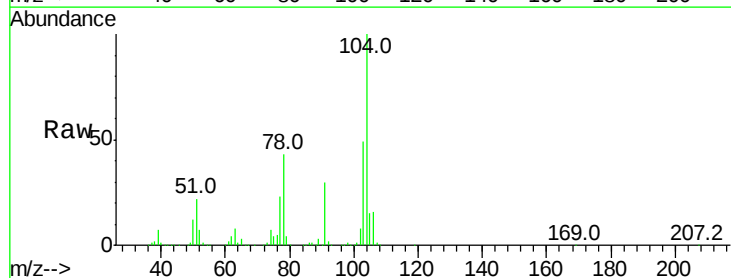
Acq: 27 Apr 2020 10:57

Tgt Ion:104 Resp: 747916

Ion Ratio Lower Upper

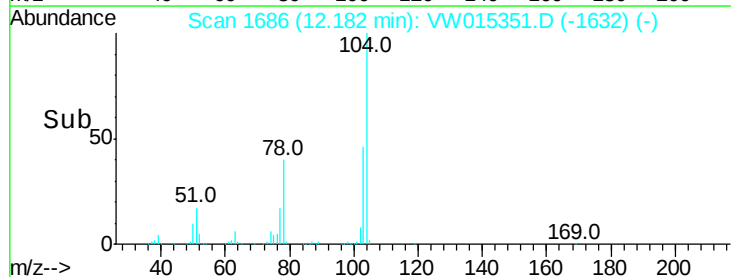
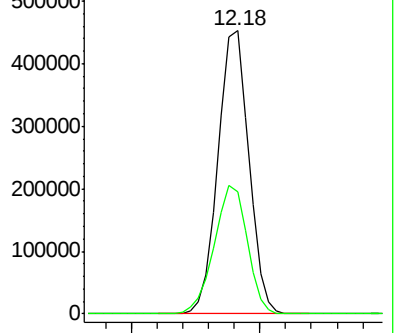
104 100

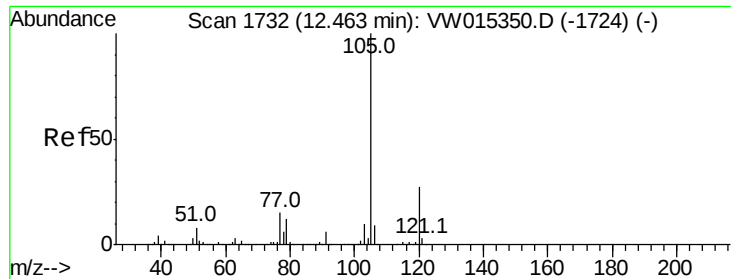
78 43.1 29.5 54.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 50.817 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

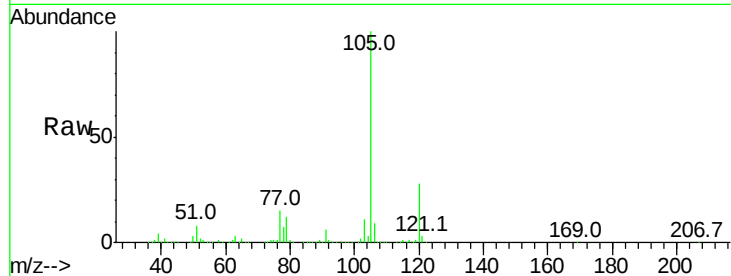
Tgt Ion:105 Resp: 1209148

Ion Ratio Lower Upper

105 100

120 27.5 21.8 32.8

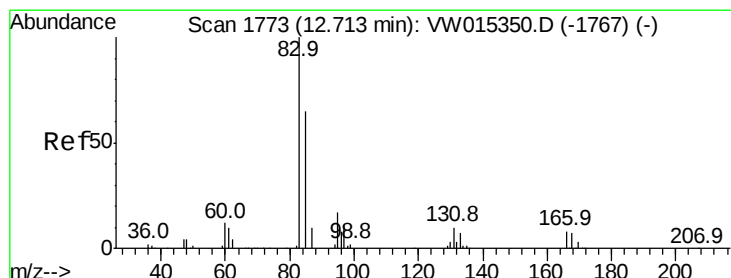
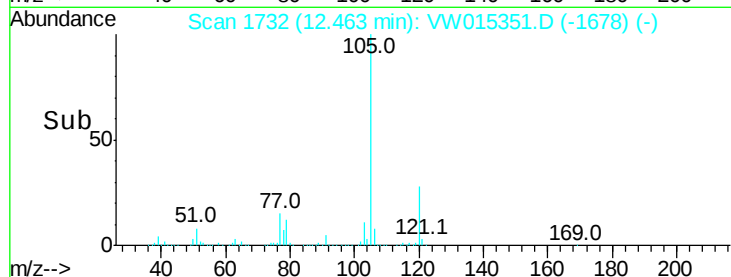
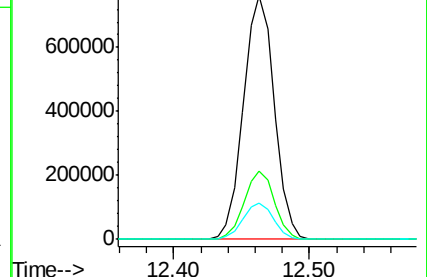
77 14.9 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 41.926 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

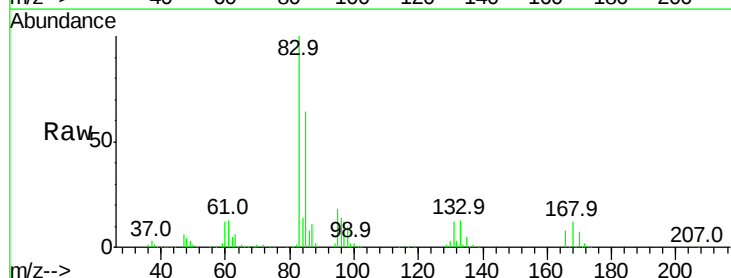
Tgt Ion: 83 Resp: 166615

Ion Ratio Lower Upper

83 100

85 64.0 45.7 84.9

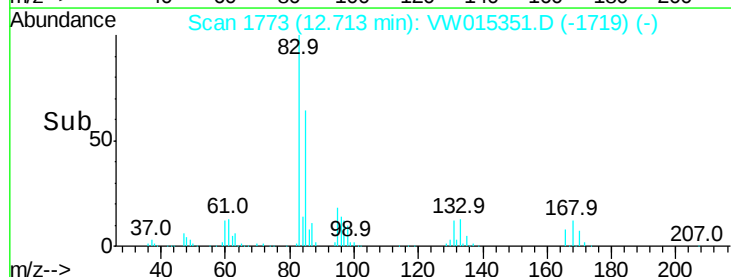
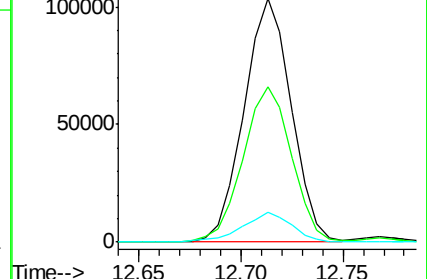
131 12.0 8.8 13.2

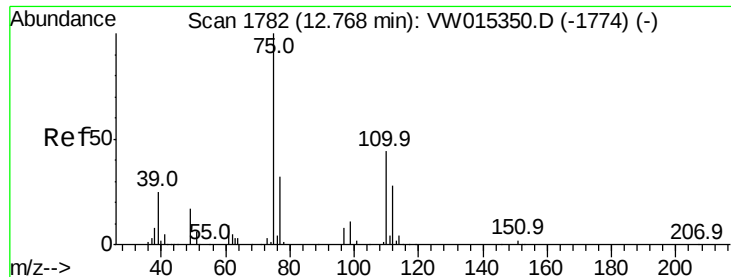


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 42.887 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

Instrument :

MSVOA_W

ClientSampleId :

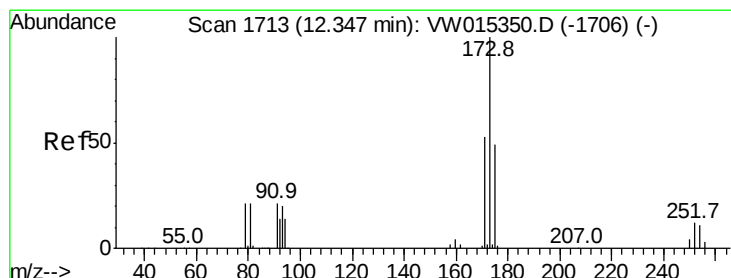
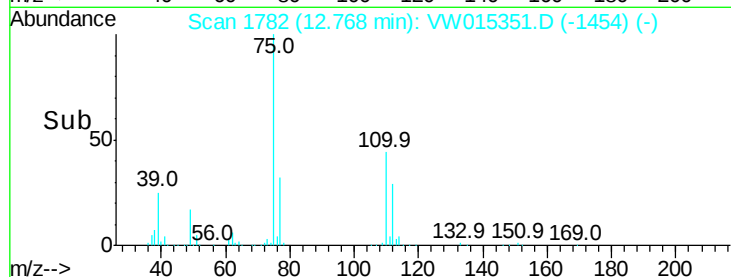
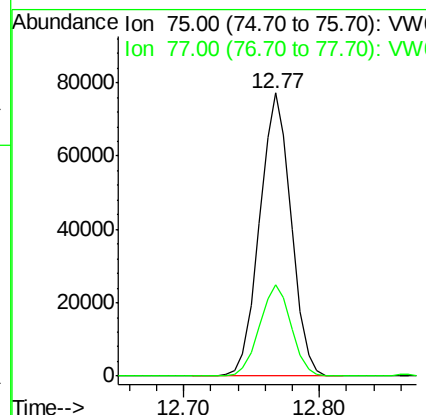
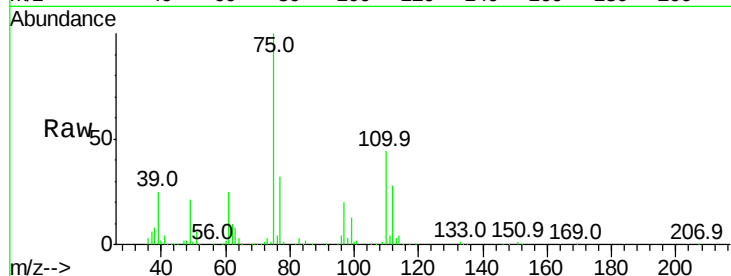
VSTD05003

Tgt Ion: 75 Resp: 125368

Ion Ratio Lower Upper

75 100

77 32.7 26.9 40.3



#62

Bromoform

Concen: 48.376 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015351.D

Acq: 27 Apr 2020 10:57

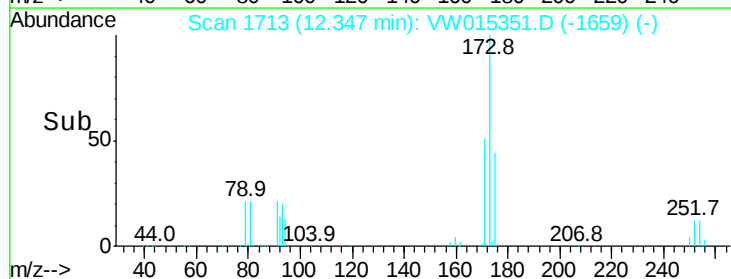
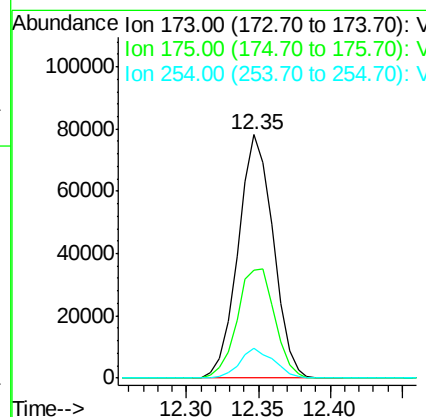
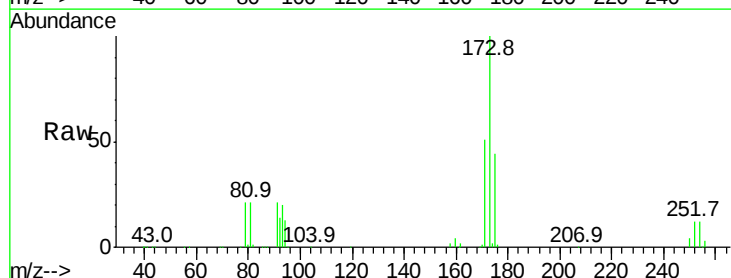
Tgt Ion: 173 Resp: 132579

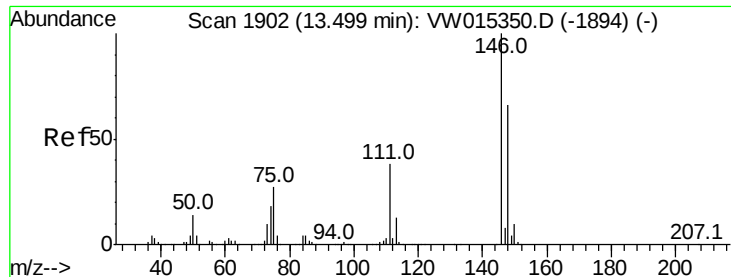
Ion Ratio Lower Upper

173 100

175 47.8 39.5 59.3

254 11.9 9.0 13.6

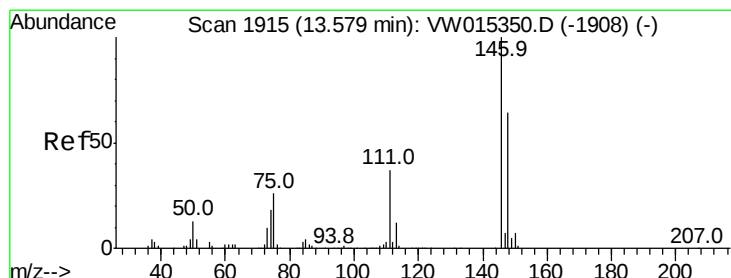
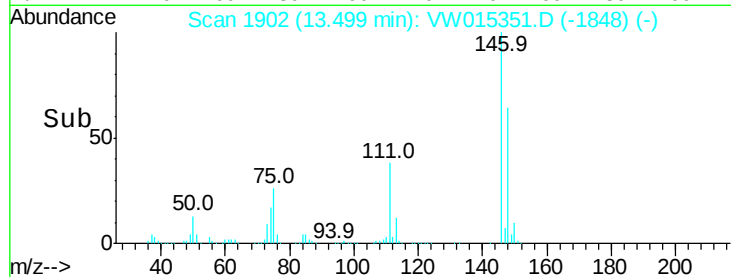
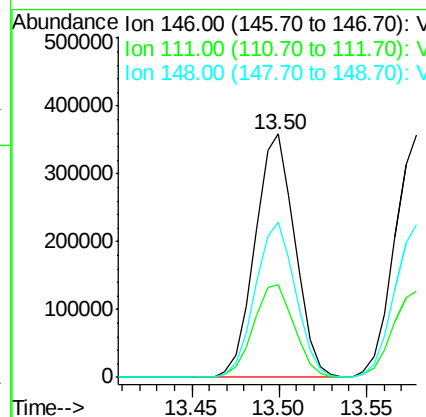
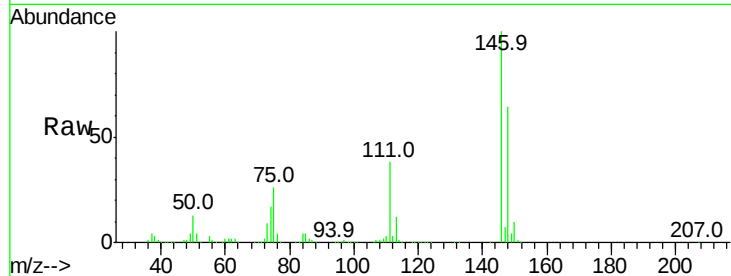




#63
 1,3-Dichlorobenzene
 Concen: 48.919 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015351.D
 Acq: 27 Apr 2020 10:57

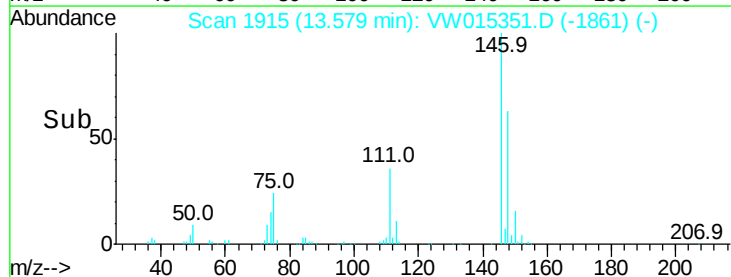
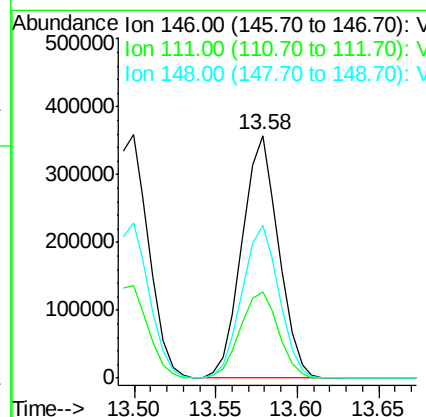
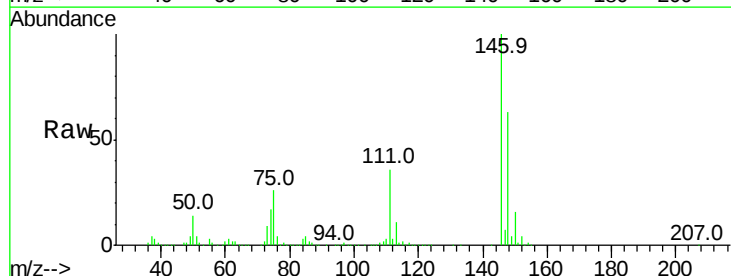
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

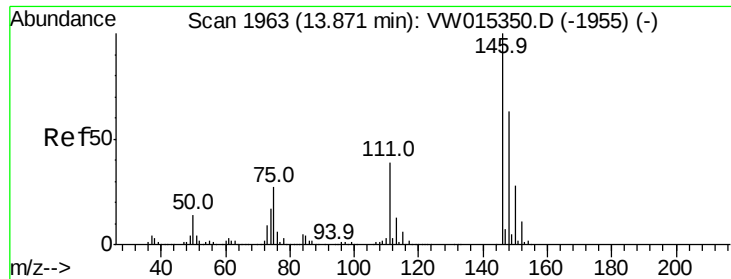
Tgt Ion:146 Resp: 569198
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.4 49.0
 148 63.9 46.1 85.5



#64
 1,4-Dichlorobenzene
 Concen: 49.055 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015351.D
 Acq: 27 Apr 2020 10:57

Tgt Ion:146 Resp: 558067
 Ion Ratio Lower Upper
 146 100
 111 35.6 26.0 48.4
 148 63.0 44.7 83.1

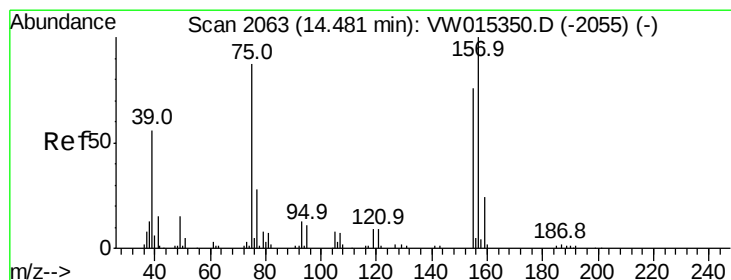
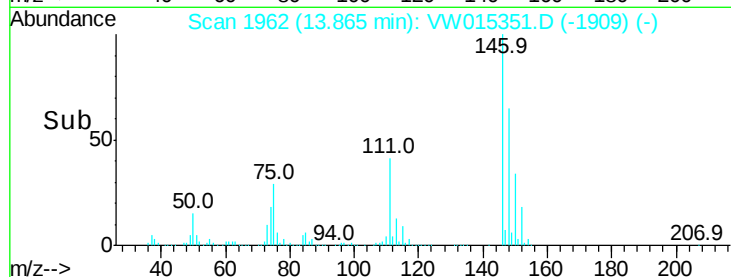
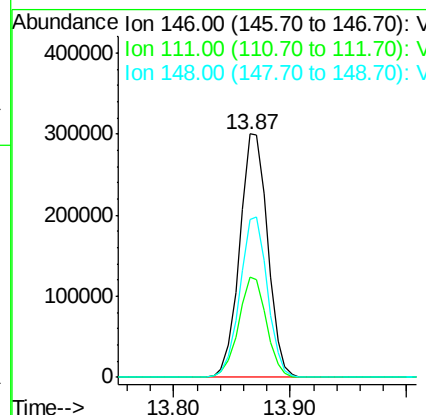
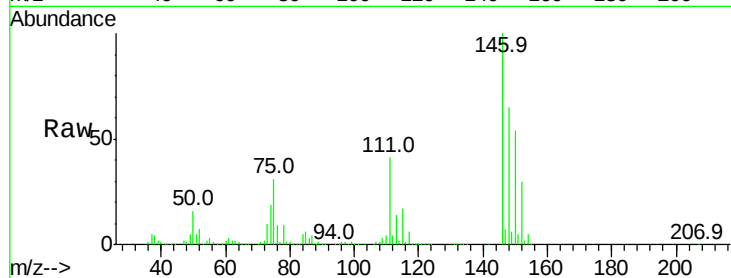




#65
 1,2-Dichlorobenzene
 Concen: 48.843 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015351.D
 Acq: 27 Apr 2020 10:57

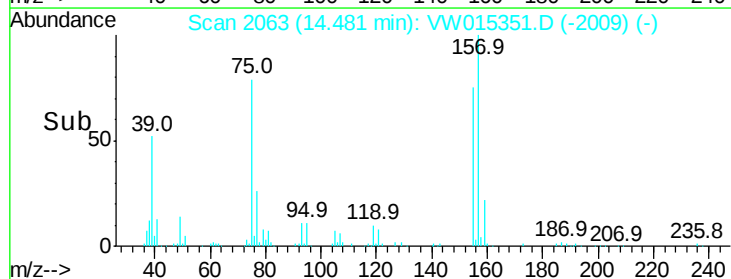
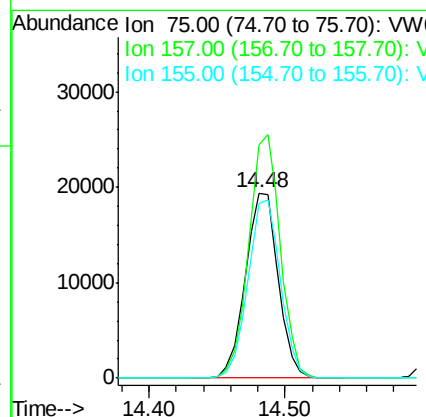
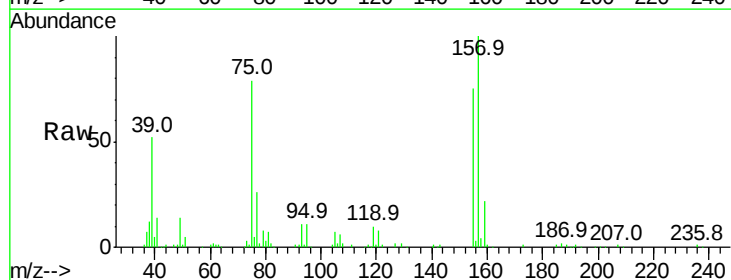
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

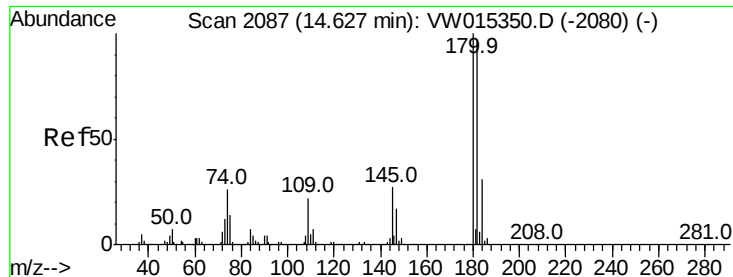
Tgt Ion:146 Resp: 504076
 Ion Ratio Lower Upper
 146 100
 111 41.0 31.2 46.8
 148 65.0 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 41.619 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015351.D
 Acq: 27 Apr 2020 10:57

Tgt Ion: 75 Resp: 32548
 Ion Ratio Lower Upper
 75 100
 157 125.8 92.3 138.5
 155 94.3 70.4 105.6

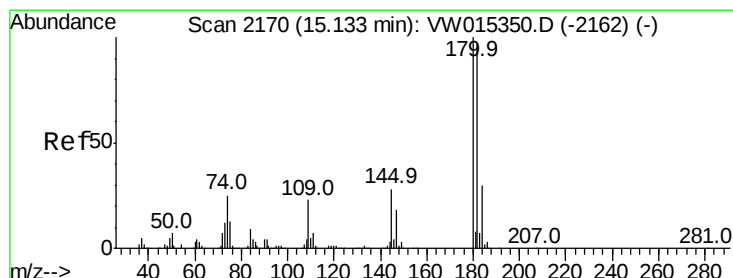
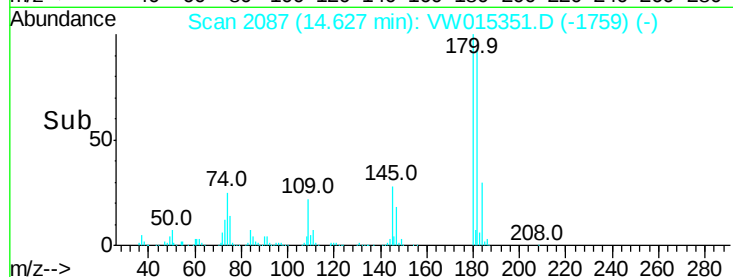
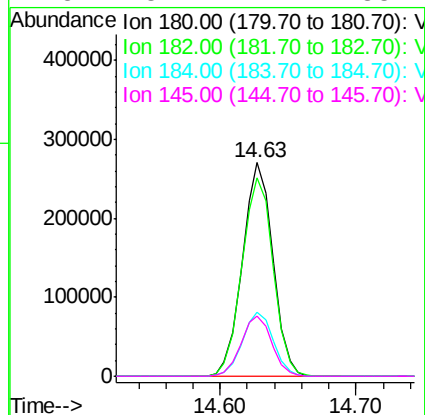
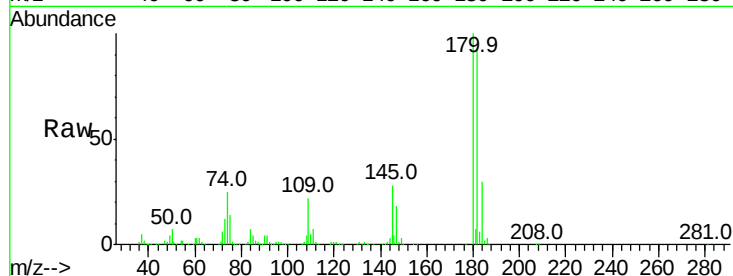




#67
 1,3,5-Trichlorobenzene
 Concen: 53.255 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015351.D
 Acq: 27 Apr 2020 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

Tgt Ion:	180	Resp:	422969
Ion	Ratio	Lower	Upper
180	100		
182	95.1	78.1	117.1
184	30.4	24.5	36.7
145	28.4	22.2	33.2



#68
 1,2,4-trichlorobenzene
 Concen: 53.330 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015351.D
 Acq: 27 Apr 2020 10:57

Tgt Ion:	180	Resp:	348343
Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.9	116.9
145	28.8	23.5	35.3

