

Data File : VW013958.D
Acq On : 11 Nov 2019 12:11
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: Nov 11 12:53:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 11 12:14:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	312737	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	297971	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	177739	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	258256	53.07	ug/L	0.00
7) Chloroethane-d5	2.89	69	207868	53.47	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	516400	52.10	ug/L	0.00
20) 2-Butanone-d5	7.07	46	150099	85.72	ug/L	0.00
24) Chloroform-d	7.65	84	486389	49.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	249059	46.96	ug/L	0.00
29) Benzene-d6	8.27	84	1053694	52.79	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	313262	51.84	ug/L	0.00
37) Toluene-d8	10.32	98	1005385	53.09	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	142069	51.49	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	129833	94.59	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	244872	45.81	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	358036	50.90	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	187134	55.671 ug/L	98
3) Chloromethane	2.21	50	157553	40.869 ug/L	100
5) Vinyl chloride	2.37	62	260463	47.305 ug/L	95
6) Bromomethane	2.78	94	156046	45.055 ug/L	100
8) Chloroethane	2.92	64	157067	50.248 ug/L	97
9) Trichlorofluoromethane	3.26	101	166373	59.316 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	264608	49.157 ug/L	99
12) 1,1-Dichloroethene	4.04	96	268050	49.664 ug/L	85
13) Acetone	4.12	43	121517	71.254 ug/L	99
14) Carbon disulfide	4.39	76	786685	50.998 ug/L	99
15) Methyl Acetate	4.67	43	129555	43.871 ug/L	99
16) Methylene chloride	4.92	84	275138	47.053 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	355519	52.070 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	282086	50.149 ug/L	97
19) 1,1-Dichloroethane	6.21	63	476146	49.857 ug/L	100
21) 2-Butanone	7.17	43	182768	78.076 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	304697	51.510 ug/L	97
23) Bromochloromethane	7.51	128	136365	49.027 ug/L	94
25) Chloroform	7.67	83	470224	48.972 ug/L	100
27) 1,2-Dichloroethane	8.40	62	292487	46.057 ug/L	98
30) Cyclohexane	7.95	56	481501	53.549 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	369519	50.642 ug/L	99
32) Carbon tetrachloride	8.07	117	361601	50.678 ug/L	99
34) Benzene	8.32	78	1099421	50.822 ug/L	100
35) Trichloroethene	9.09	95	289553	50.777 ug/L	100
36) Methylcyclohexane	9.34	83	525628	52.514 ug/L	100
40) 1,2-Dichloropropane	9.37	63	272625	51.345 ug/L	100
41) Bromodichloromethane	9.64	83	338609	50.730 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	447366	53.464 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	369455	90.476 ug/L	100

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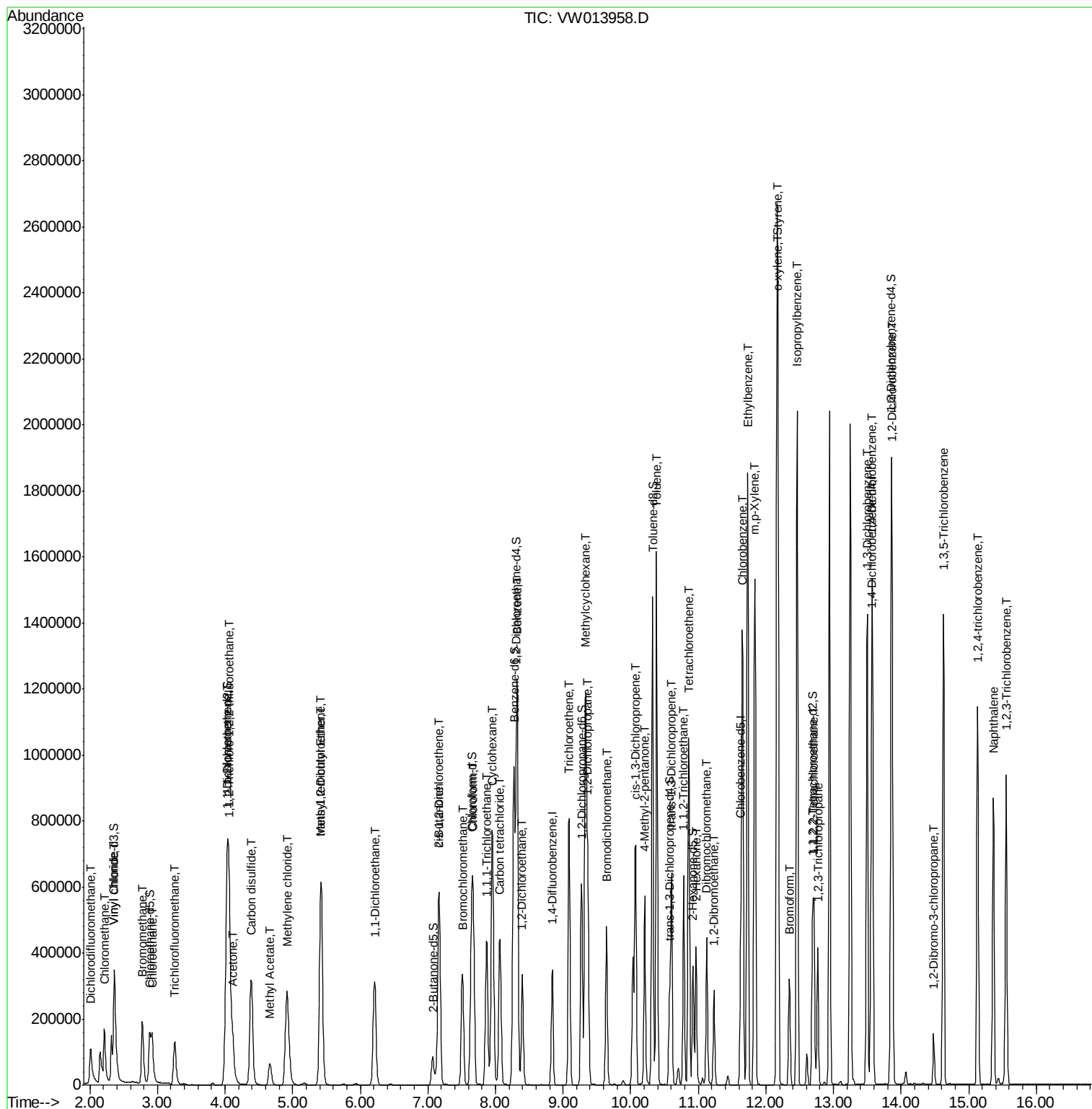
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	1211413	52.113	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	358222	51.809	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	204157	48.152	ug/L	97
47) Tetrachloroethene	10.86	164	262382	49.977	ug/L	97
49) 2-Hexanone	10.97	43	263661	87.892	ug/L	98
50) Dibromochloromethane	11.13	129	249430	50.679	ug/L	99
51) 1,2-Dibromoethane	11.23	107	201590	48.097	ug/L	99
52) Chlorobenzene	11.65	112	763511	50.930	ug/L	96
53) Ethylbenzene	11.73	91	1339904	51.781	ug/L	100
54) m,p-Xylene	11.83	106	523988	52.546	ug/L	99
55) o-xylene	12.16	106	499155	52.955	ug/L	98
56) Styrene	12.18	104	859375	52.833	ug/L	97
57) Isopropylbenzene	12.46	105	1340399	52.736	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	246915	46.242	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	178742	44.585	ug/L	99
62) Bromoform	12.35	173	157724	48.807	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	637214	51.770	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	629023	50.980	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	567278	50.970	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	39225	43.996	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	499008	53.827	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	409394	54.547	ug/L	99
69) Naphthalene	15.36	128	757997	53.234	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	358667	51.859	ug/L	99

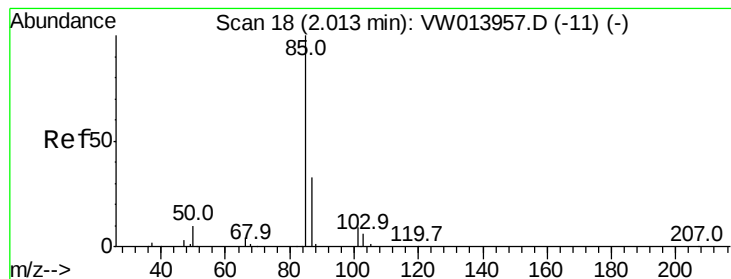
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 55.671 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

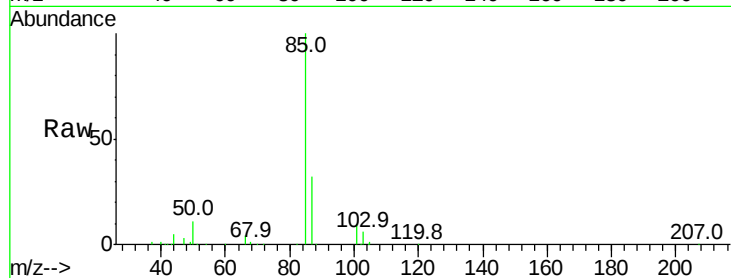
VSTD05003

Tgt Ion: 85 Resp: 187134

Ion Ratio Lower Upper

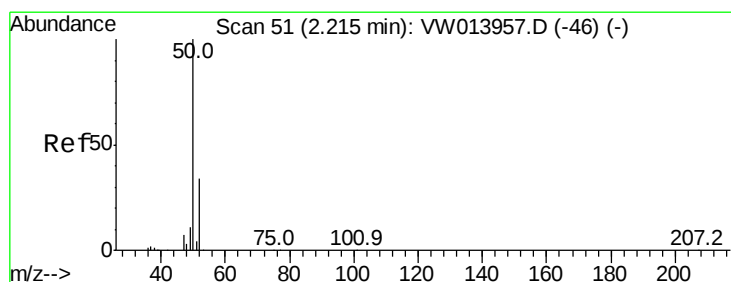
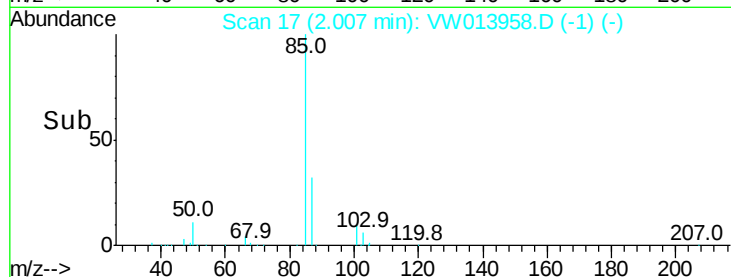
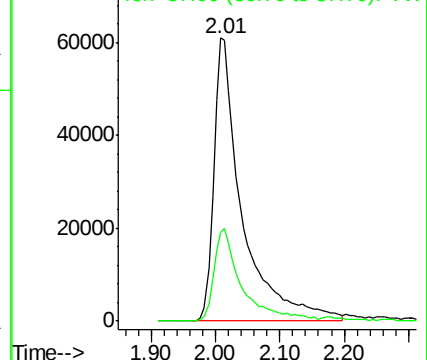
85 100

87 30.8 22.1 41.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 40.869 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013958.D

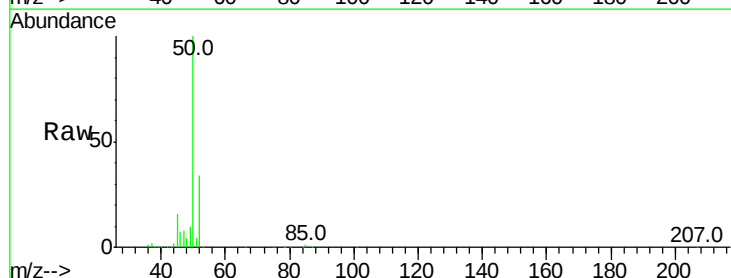
Acq: 11 Nov 2019 12:11

Tgt Ion: 50 Resp: 157553

Ion Ratio Lower Upper

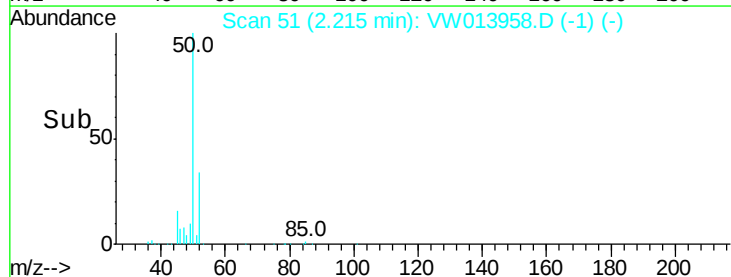
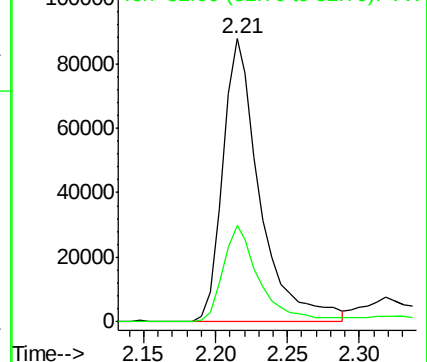
50 100

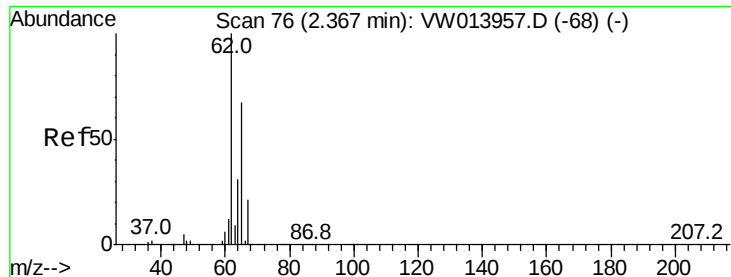
52 34.2 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 47.305 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

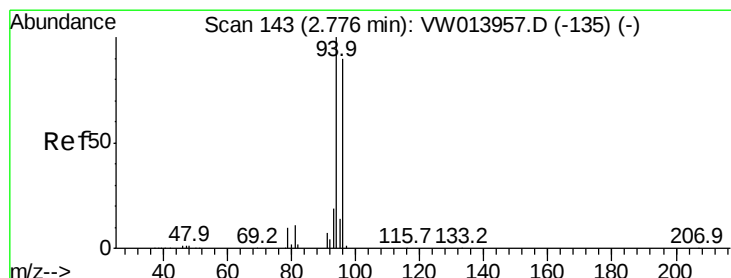
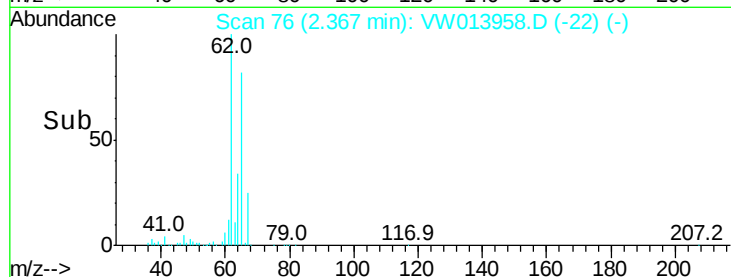
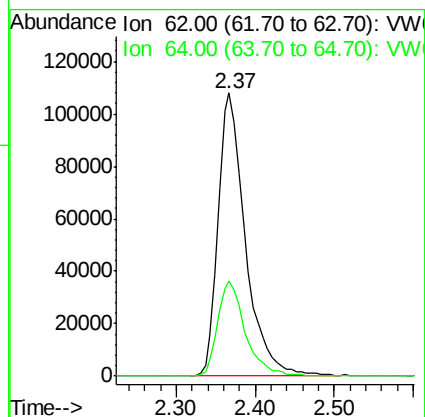
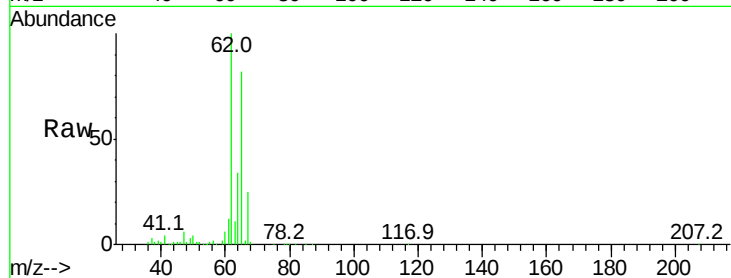
VSTD05003

Tgt Ion: 62 Resp: 260463

Ion Ratio Lower Upper

62 100

64 33.8 21.8 40.4



#6

Bromomethane

Concen: 45.055 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013958.D

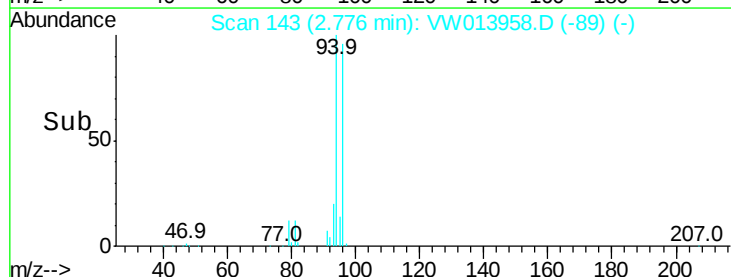
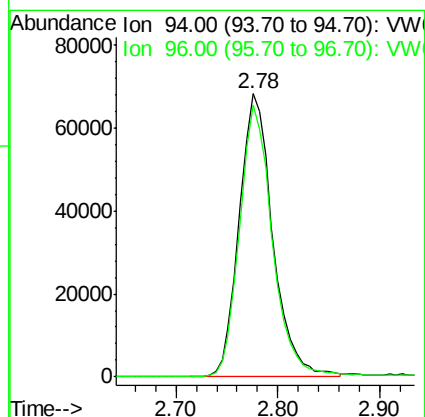
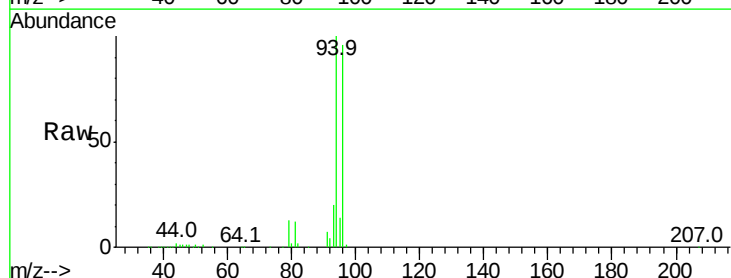
Acq: 11 Nov 2019 12:11

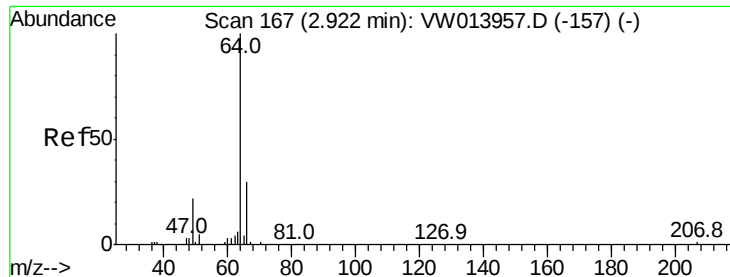
Tgt Ion: 94 Resp: 156046

Ion Ratio Lower Upper

94 100

96 94.3 9.4 178.8





#8

Chloroethane

Concen: 50.248 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

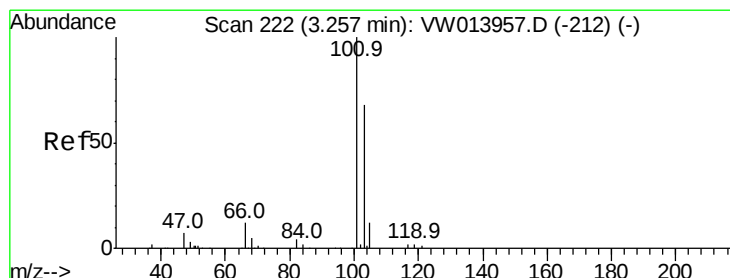
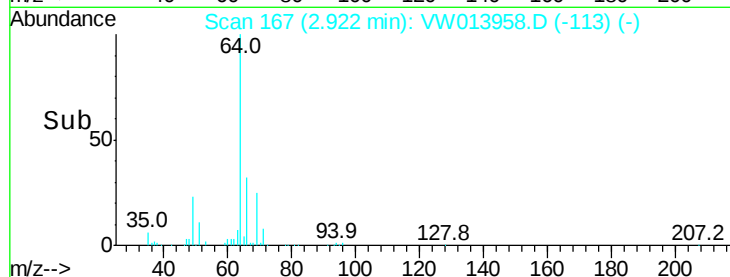
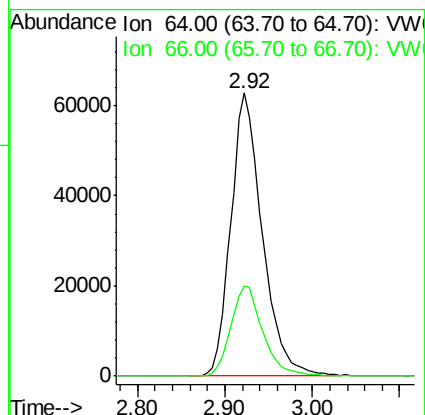
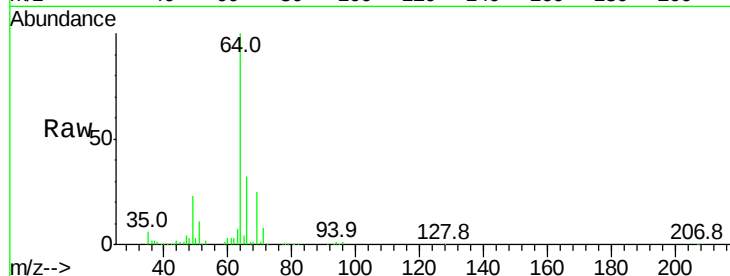
VSTD05003

Tgt Ion: 64 Resp: 157067

Ion Ratio Lower Upper

64 100

66 31.7 21.2 39.4



#9

Trichlorofluoromethane

Concen: 59.316 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW013958.D

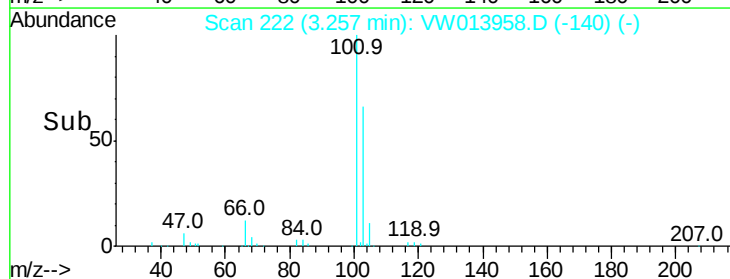
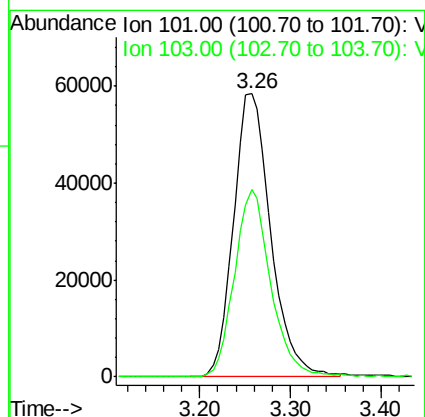
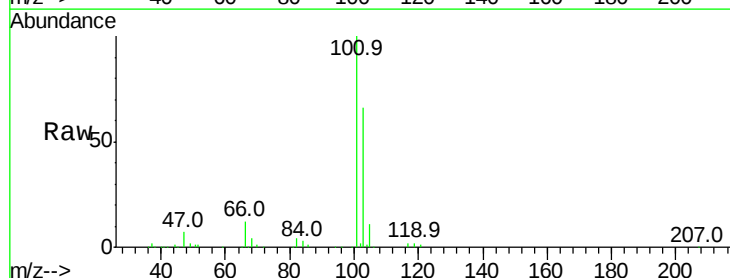
Acq: 11 Nov 2019 12:11

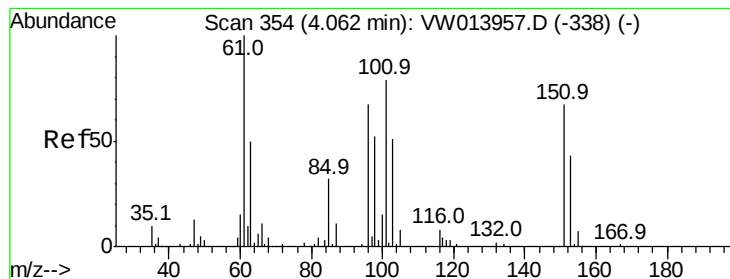
Tgt Ion: 101 Resp: 166373

Ion Ratio Lower Upper

101 100

103 64.1 45.4 84.2





#11

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

Concen: 49.157 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

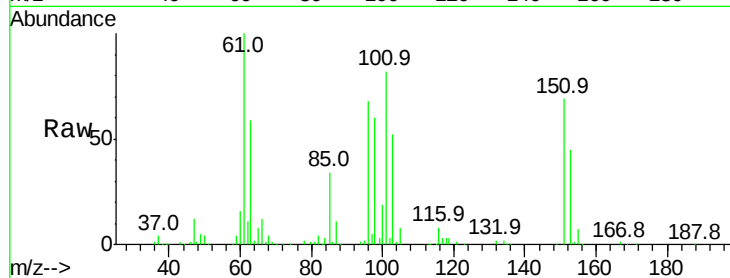
Tgt Ion:101 Resp: 264608

Ion Ratio Lower Upper

101 100

85 39.9 31.4 47.2

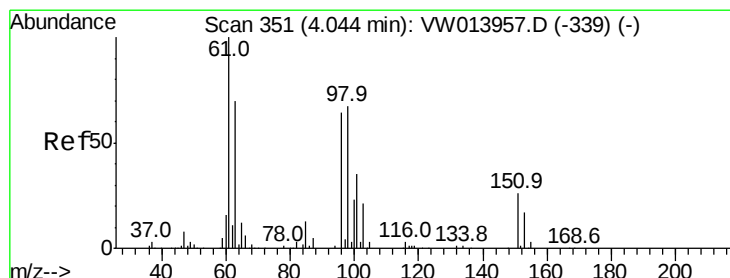
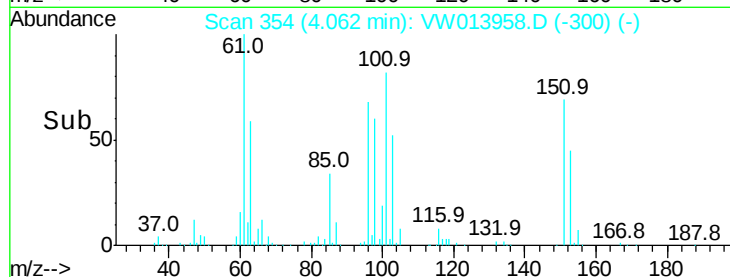
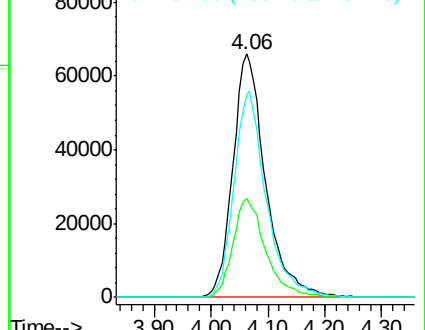
151 83.1 66.9 100.3



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: 49.664 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

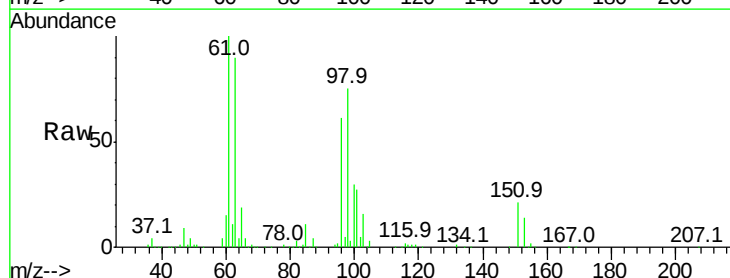
Tgt Ion: 96 Resp: 268050

Ion Ratio Lower Upper

96 100

61 163.4 109.8 204.0

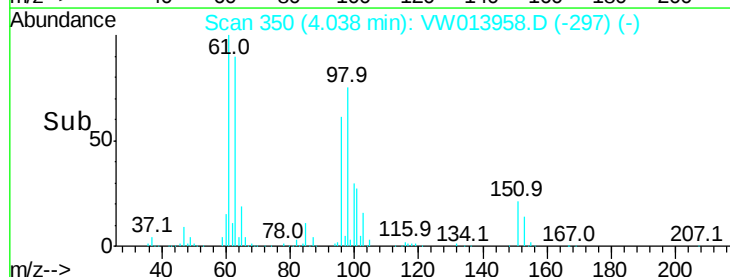
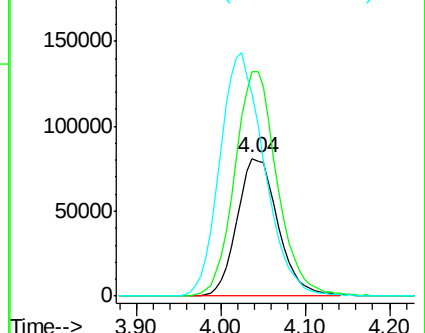
63 147.7 80.7 149.9

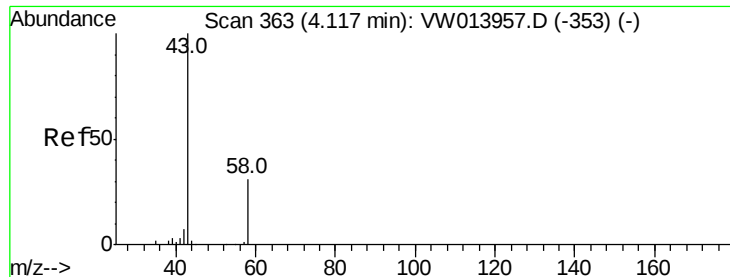


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 71.254 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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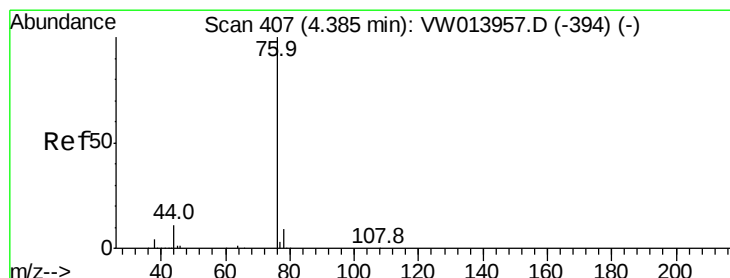
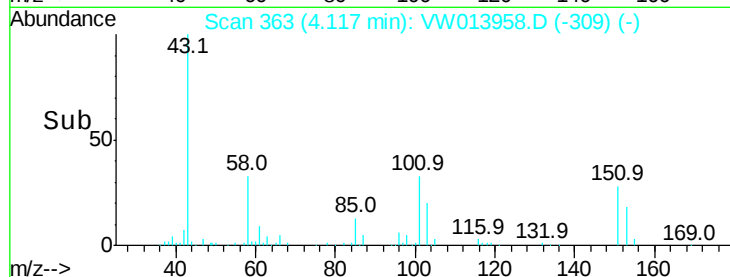
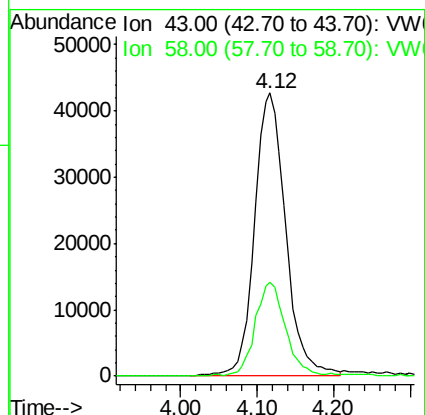
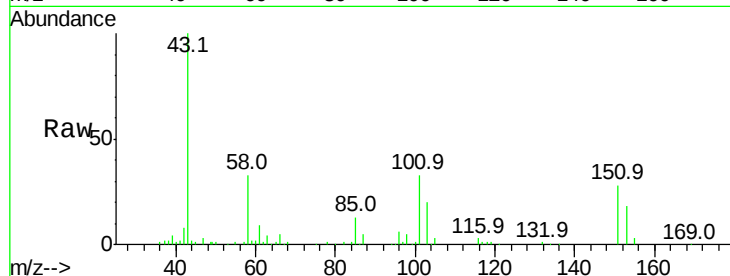
VSTD05003

Tgt Ion: 43 Resp: 121517

Ion Ratio Lower Upper

43 100

58 32.1 0.0 65.4



#14

Carbon disulfide

Concen: 50.998 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013958.D

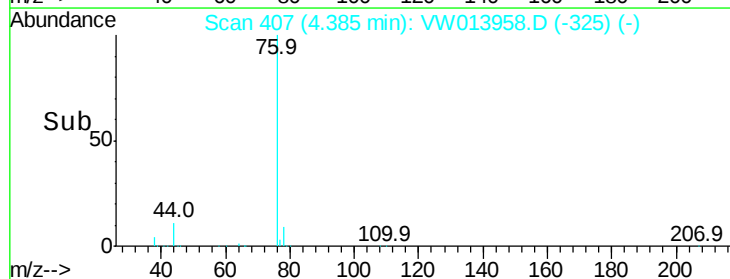
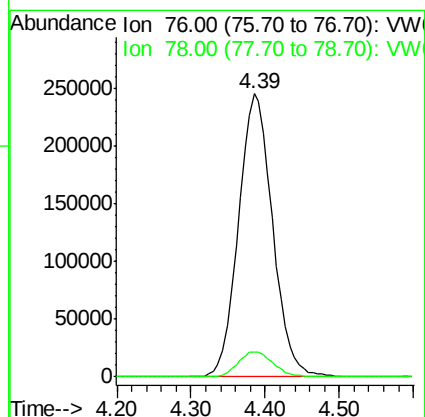
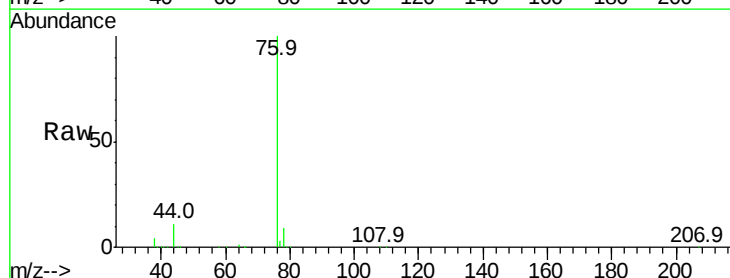
Acq: 11 Nov 2019 12:11

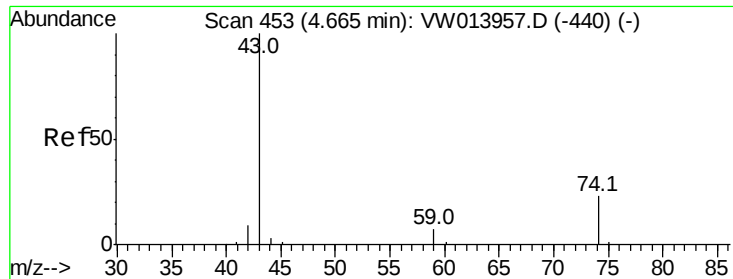
Tgt Ion: 76 Resp: 786685

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

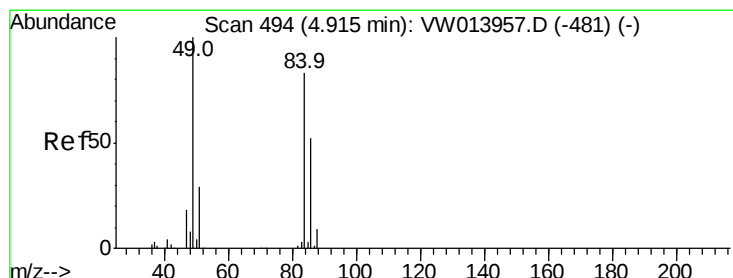
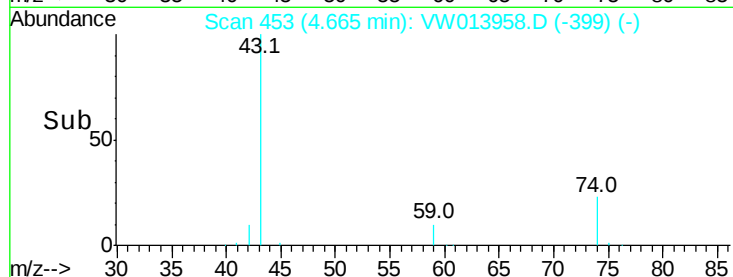
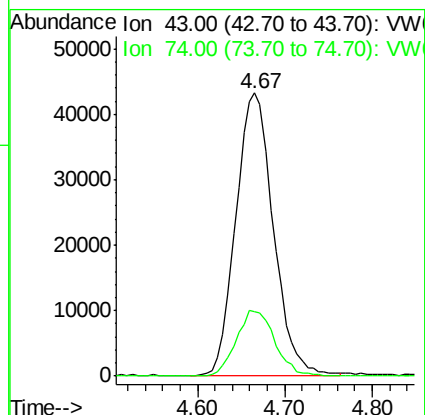
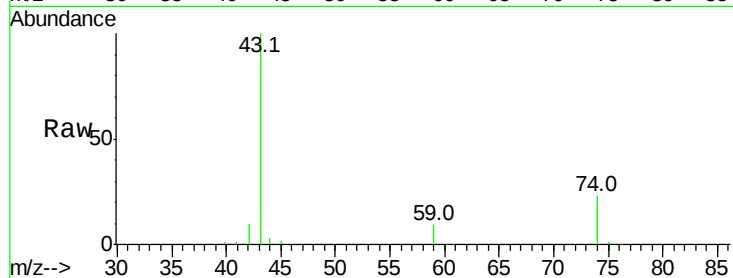




#15
Methyl Acetate
Concen: 43.871 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW013958.D
Acq: 11 Nov 2019 12:11

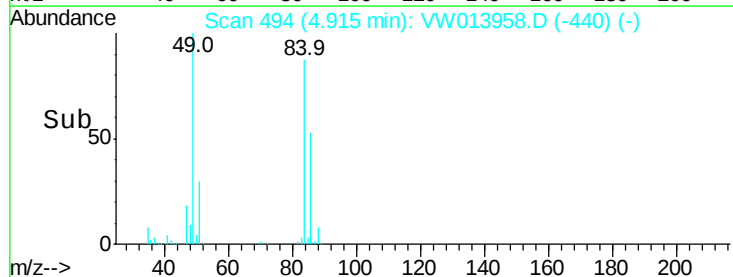
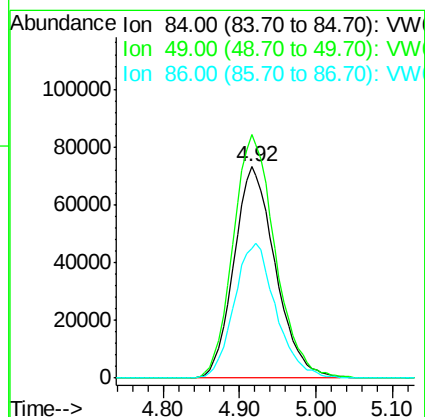
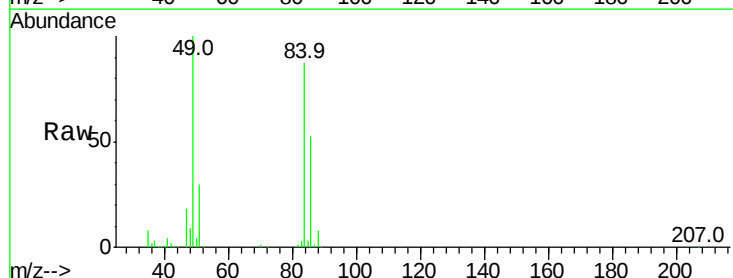
Instrument :
MSVOA_W
ClientSampleId :
VSTD05003

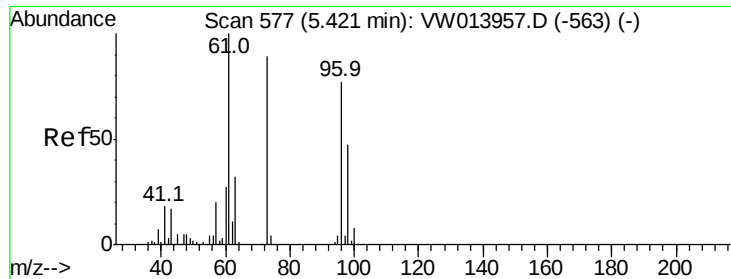
Tgt Ion: 43 Resp: 129555
Ion Ratio Lower Upper
43 100
74 23.7 19.3 28.9



#16
Methylene chloride
Concen: 47.053 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013958.D
Acq: 11 Nov 2019 12:11

Tgt Ion: 84 Resp: 275138
Ion Ratio Lower Upper
84 100
49 115.3 84.2 156.4
86 61.6 43.7 81.1

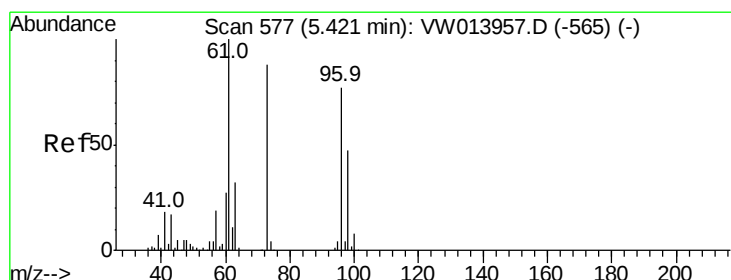
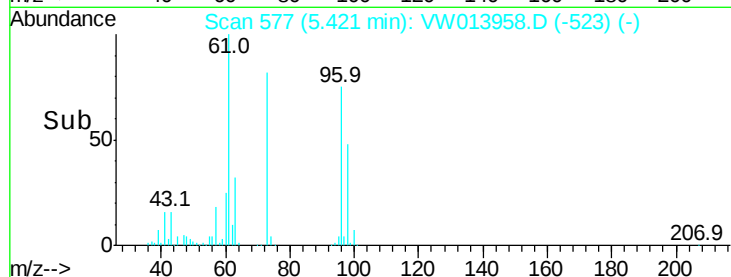
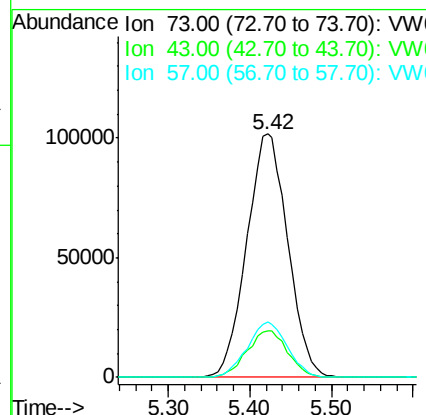
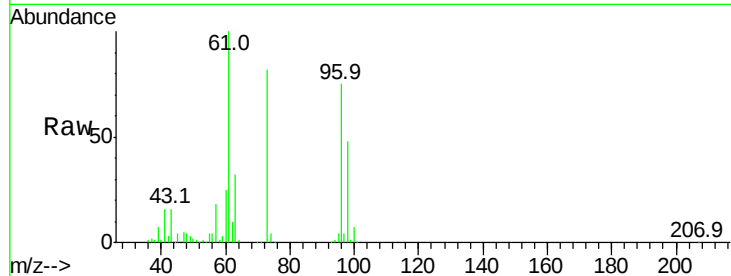




#17
Methyl tert-butyl Ether
Concen: 52.070 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013958.D
Acq: 11 Nov 2019 12:11

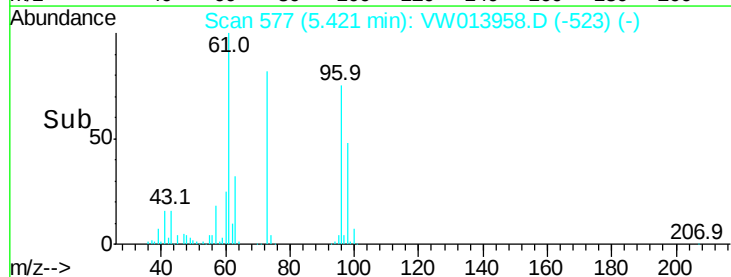
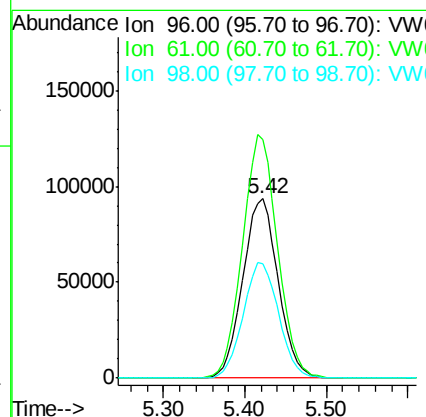
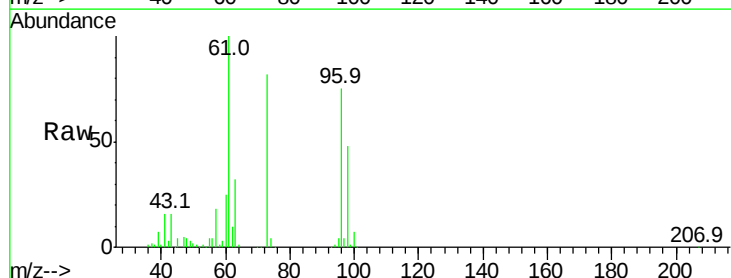
Instrument :
MSVOA_W
ClientSampled :
VSTD05003

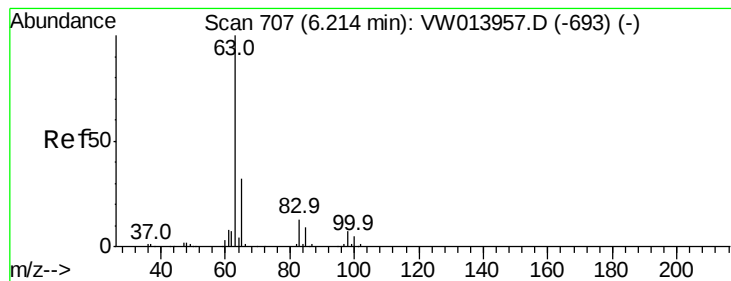
Tgt Ion: 73 Resp: 355519
Ion Ratio Lower Upper
73 100
43 19.2 15.5 23.3
57 22.3 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 50.149 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013958.D
Acq: 11 Nov 2019 12:11

Tgt Ion: 96 Resp: 282086
Ion Ratio Lower Upper
96 100
61 133.4 90.6 168.2
98 63.5 42.9 79.7





#19

1,1-Dichloroethane

Concen: 49.857 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

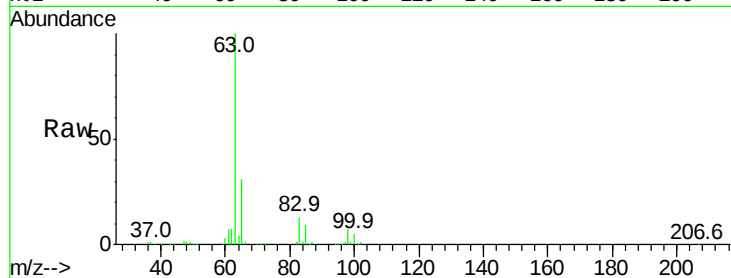
Tgt Ion: 63 Resp: 476146

Ion Ratio Lower Upper

63 100

65 31.3 22.1 41.1

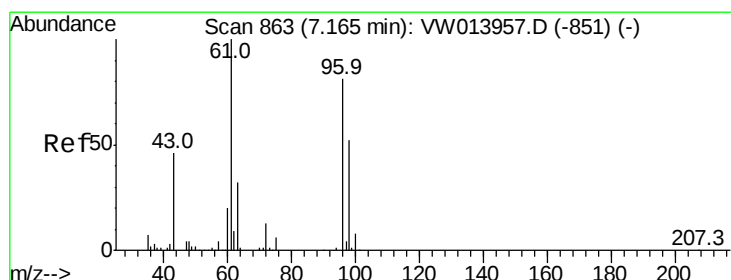
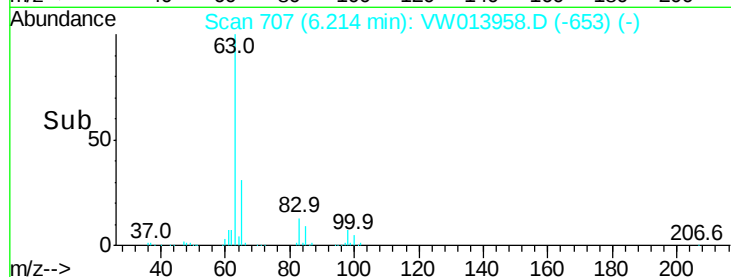
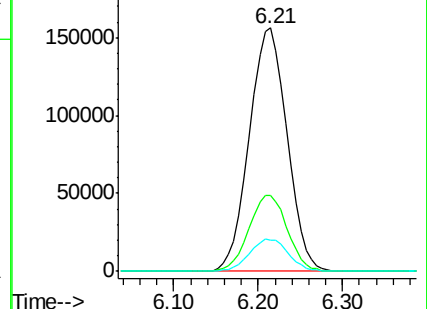
83 12.8 9.0 16.6



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: 78.076 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013958.D

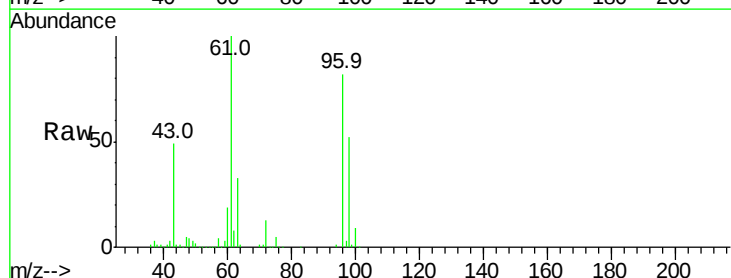
Acq: 11 Nov 2019 12:11

Tgt Ion: 43 Resp: 182768

Ion Ratio Lower Upper

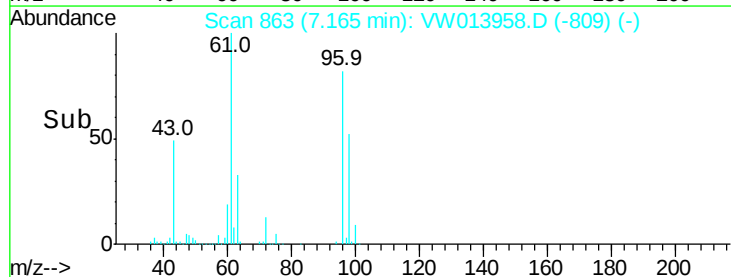
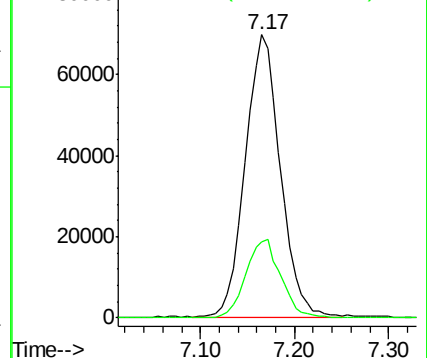
43 100

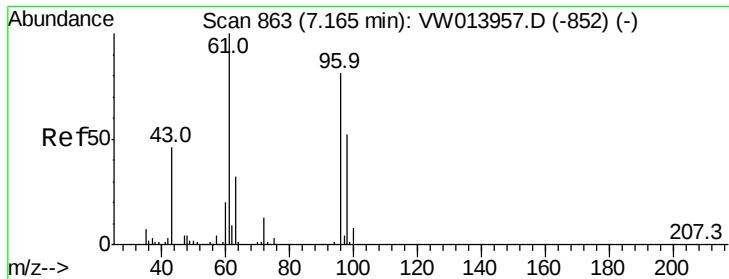
72 27.7 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

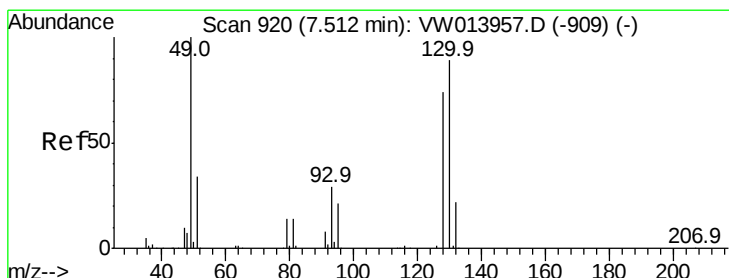
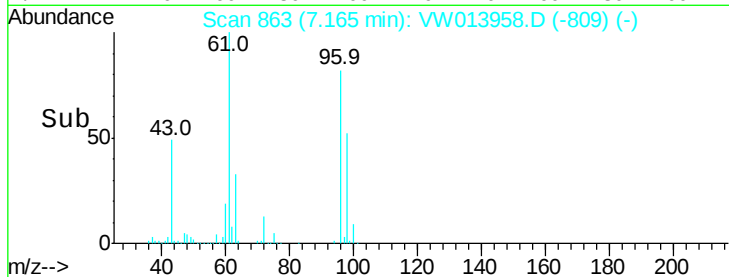
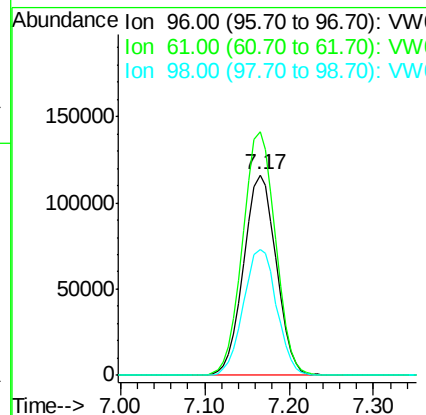
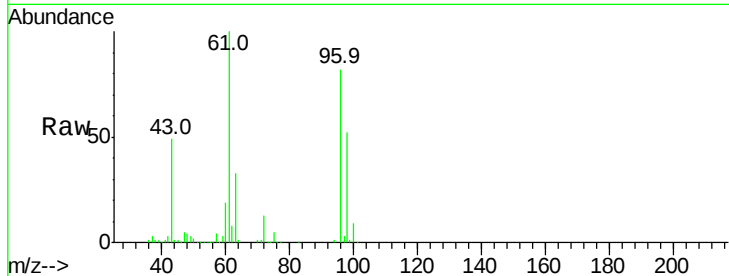




#22
 cis-1,2-Dichloroethene
 Concen: 51.510 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013958.D
 Acq: 11 Nov 2019 12:11

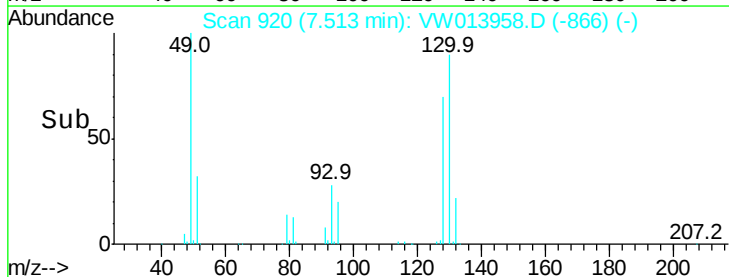
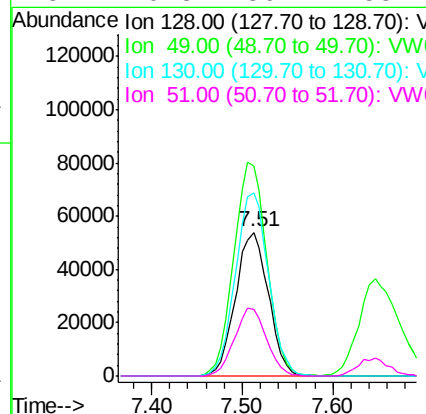
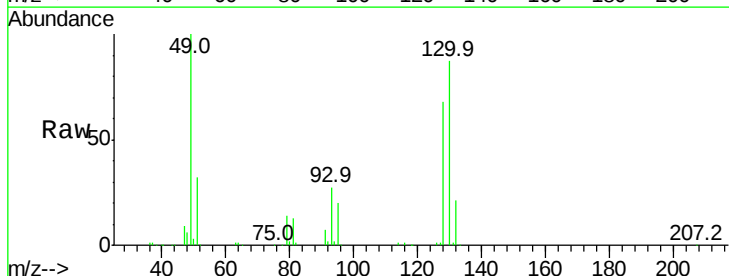
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

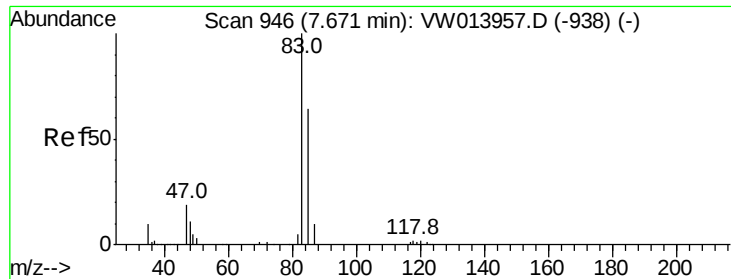
Tgt Ion: 96 Resp: 304697
 Ion Ratio Lower Upper
 96 100
 61 121.4 86.9 161.5
 98 63.0 45.5 84.5



#23
 Bromochloromethane
 Concen: 49.027 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW013958.D
 Acq: 11 Nov 2019 12:11

Tgt Ion: 128 Resp: 136365
 Ion Ratio Lower Upper
 128 100
 49 146.3 95.1 176.5
 130 127.7 85.0 158.0
 51 46.3 36.7 55.1





#25

Chloroform

Concen: 48.972 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

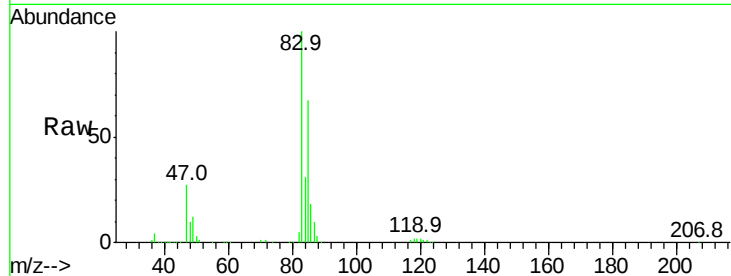
VSTD05003

Tgt Ion: 83 Resp: 470224

Ion Ratio Lower Upper

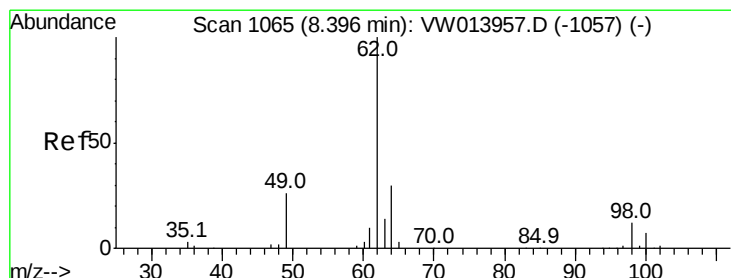
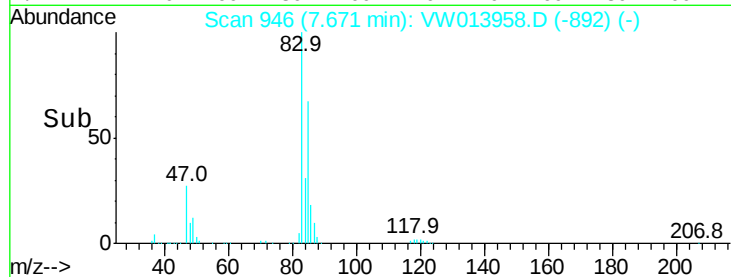
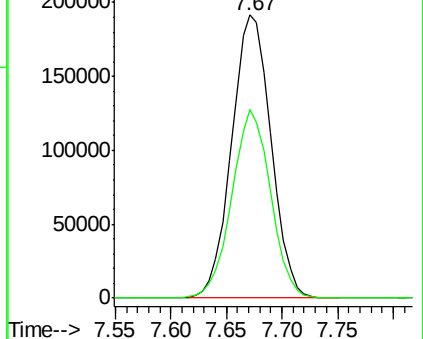
83 100

85 65.6 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 46.057 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW013958.D

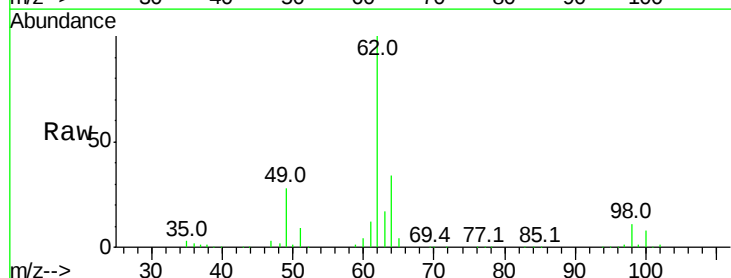
Acq: 11 Nov 2019 12:11

Tgt Ion: 62 Resp: 292487

Ion Ratio Lower Upper

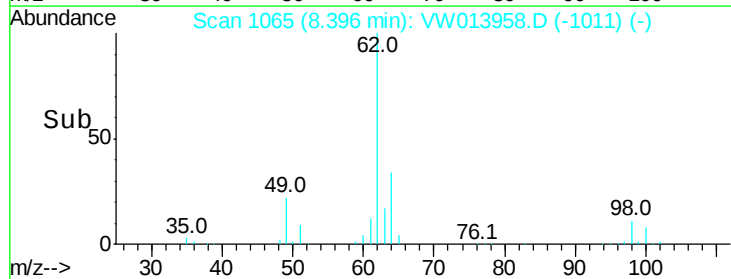
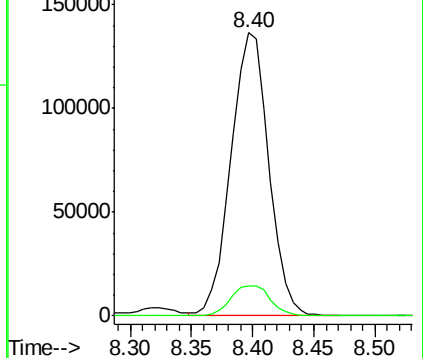
62 100

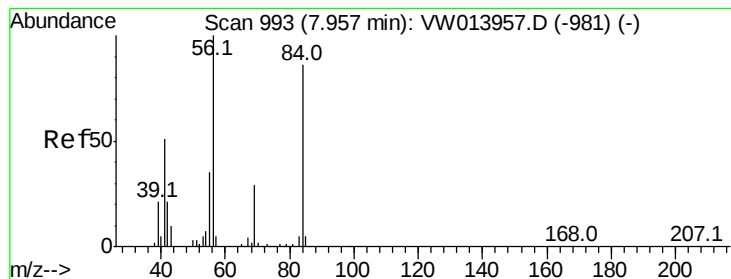
98 10.7 9.3 13.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 53.549 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

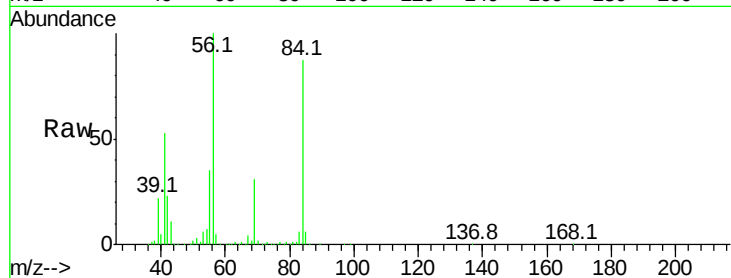
Tgt Ion: 56 Resp: 481501

Ion Ratio Lower Upper

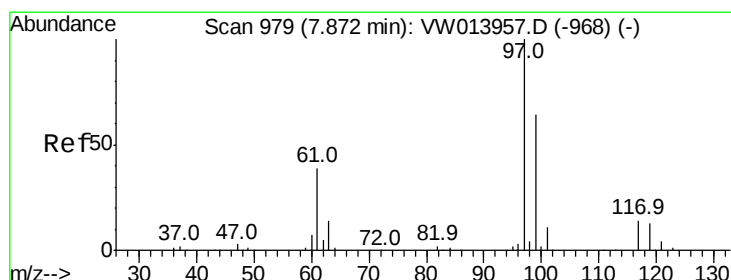
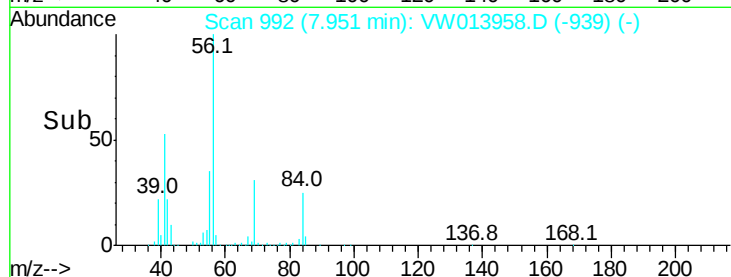
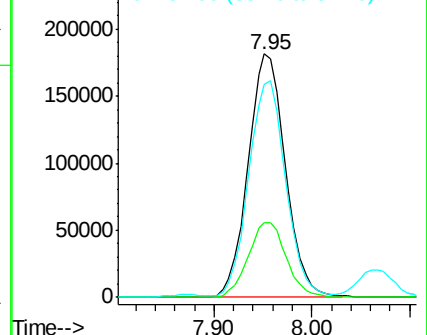
56 100

69 31.4 24.6 37.0

84 88.9 70.2 105.2



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: 50.642 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

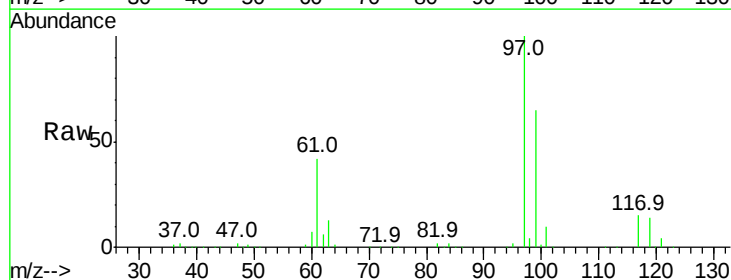
Tgt Ion: 97 Resp: 369519

Ion Ratio Lower Upper

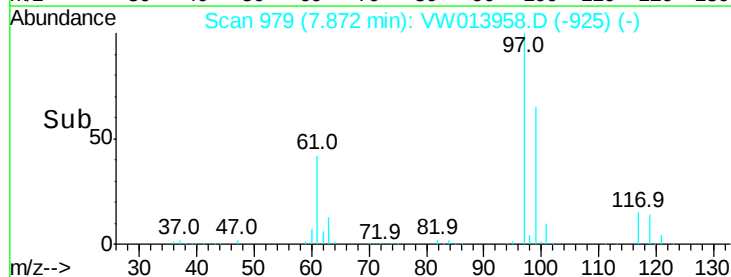
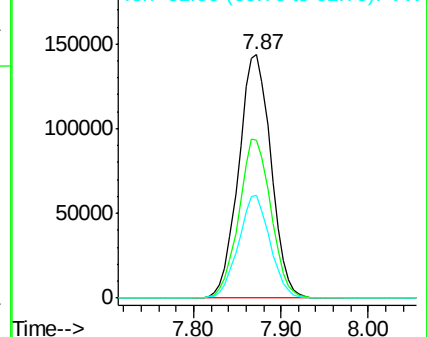
97 100

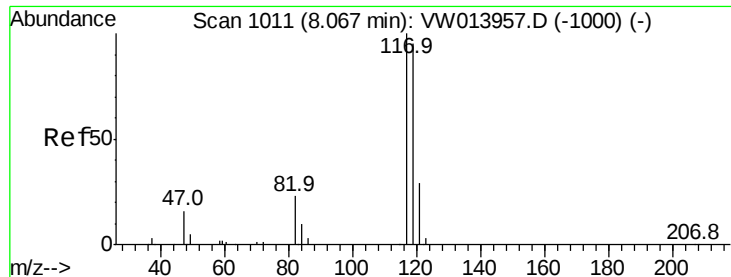
99 64.7 51.1 76.7

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: 50.678 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

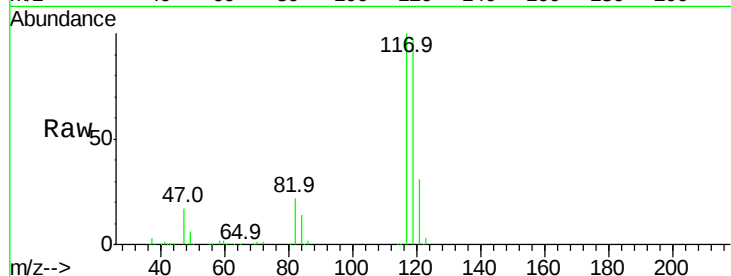
VSTD05003

Tgt Ion:117 Resp: 361601

Ion Ratio Lower Upper

117 100

119 96.9 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

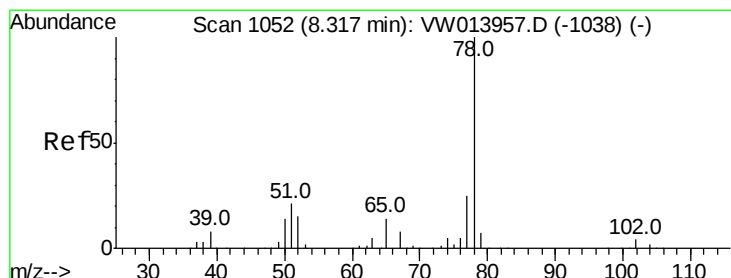
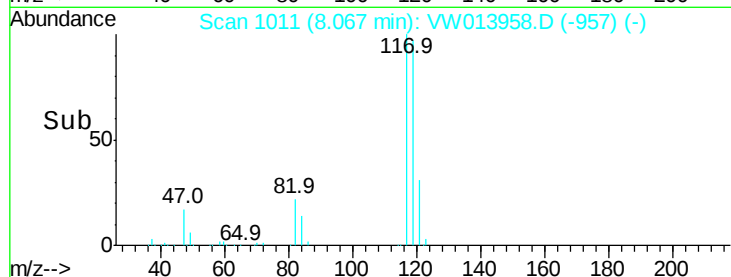
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 50.822 ug/L

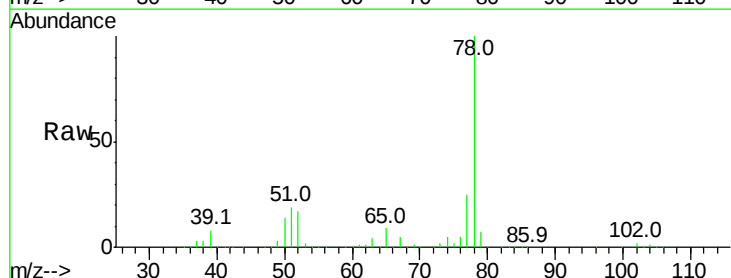
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

Tgt Ion: 78 Resp: 1099421



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

500000

400000

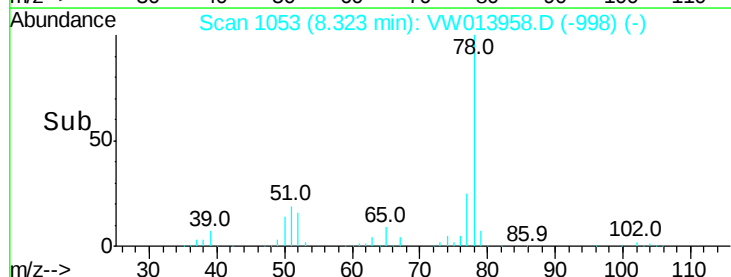
300000

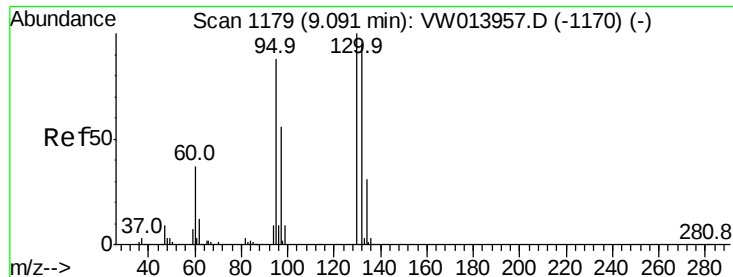
200000

100000

0

Time-->





#35

Trichloroethene

Concen: 50.777 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

Tgt Ion: 95 Resp: 289553

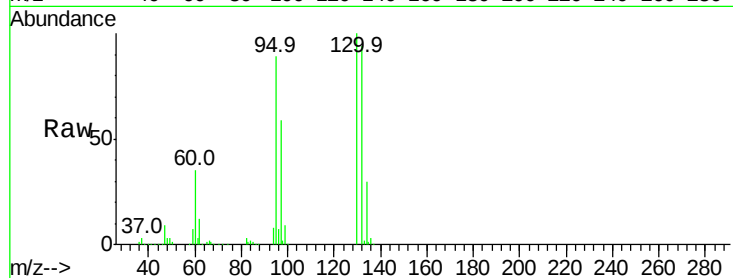
Ion Ratio Lower Upper

95 100

97 64.7 45.1 83.9

132 104.8 73.7 136.9

130 109.9 76.6 142.2

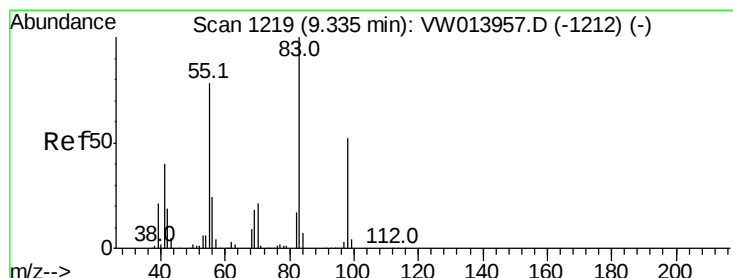
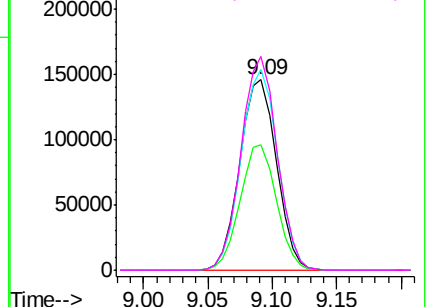
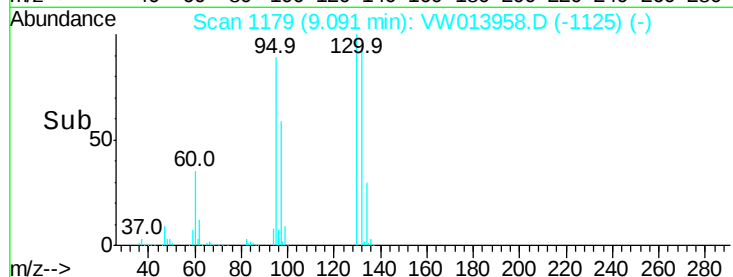


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 52.514 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

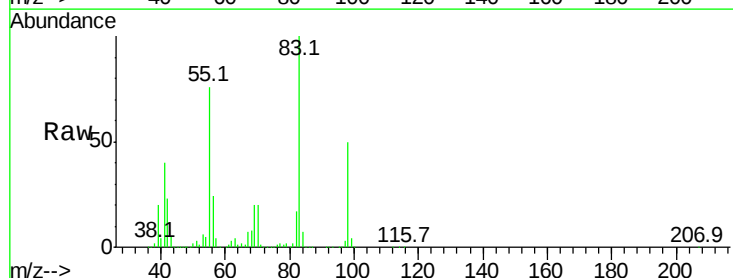
Tgt Ion: 83 Resp: 525628

Ion Ratio Lower Upper

83 100

55 75.0 59.8 89.8

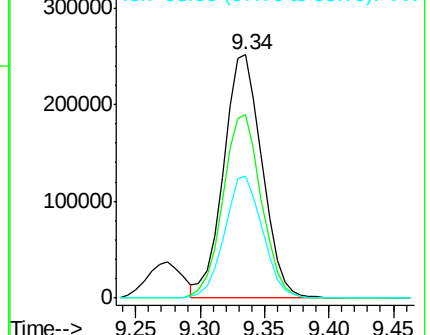
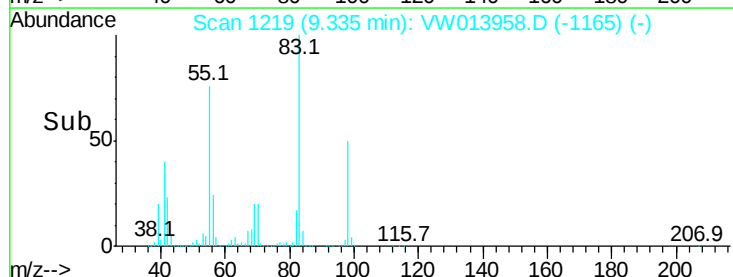
98 49.4 39.5 59.3

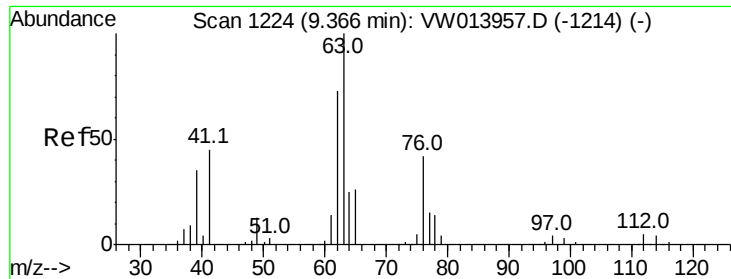


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

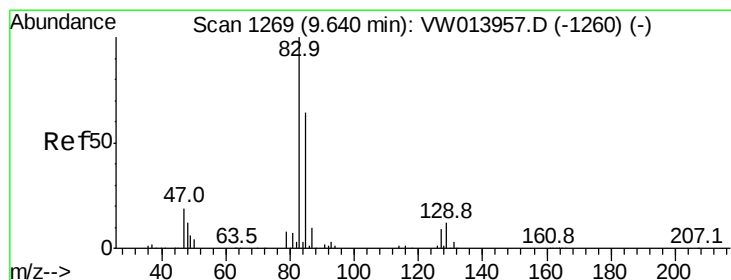
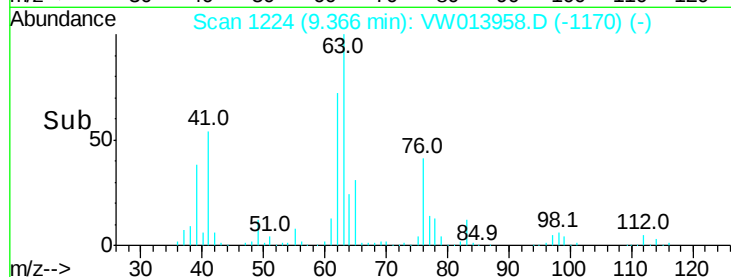
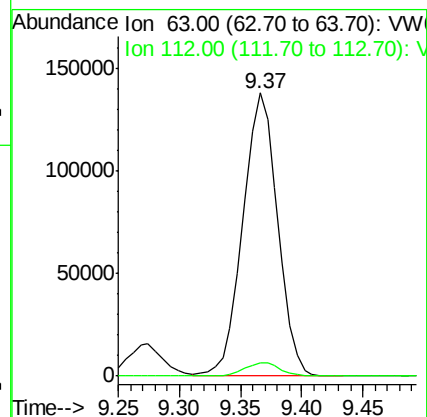
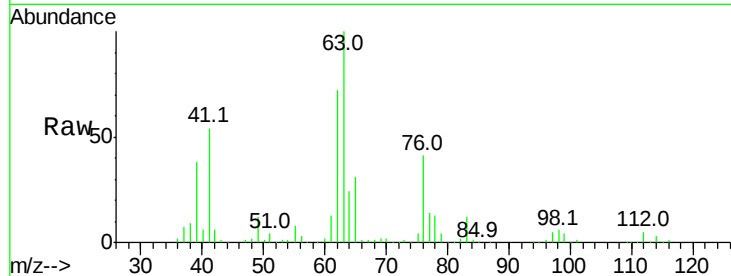




#40
1,2-Dichloropropane
Concen: 51.345 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW013958.D
Acq: 11 Nov 2019 12:11

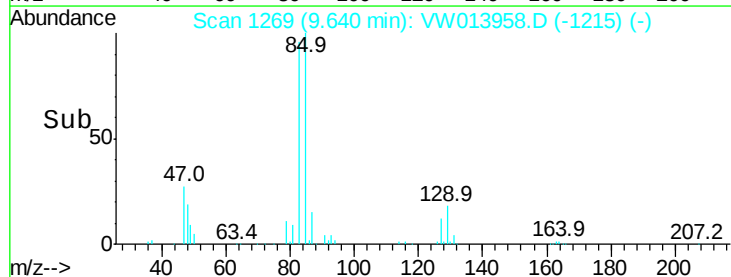
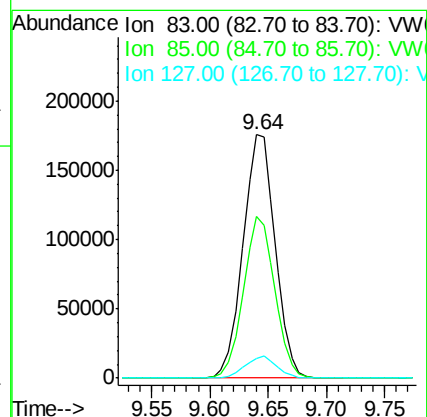
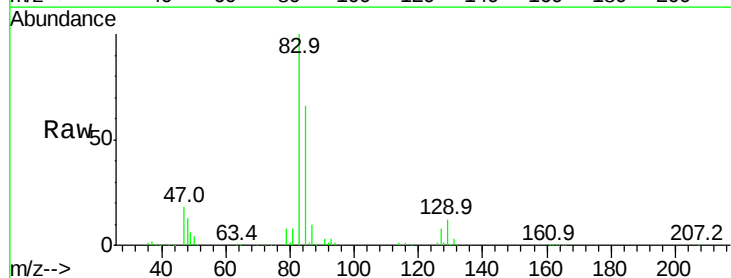
Instrument :
MSVOA_W
ClientSampleId :
VSTD05003

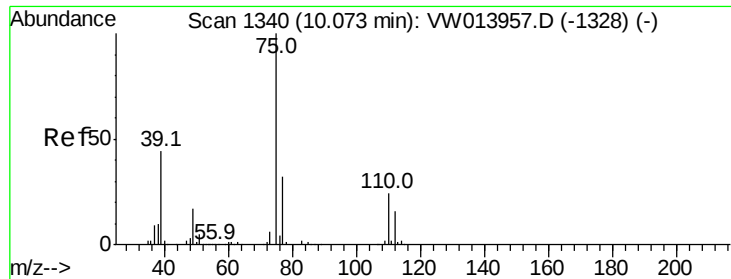
Tgt Ion: 63 Resp: 272625
Ion Ratio Lower Upper
63 100
112 4.8 3.9 5.9



#41
Bromodichloromethane
Concen: 50.730 ug/L
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW013958.D
Acq: 11 Nov 2019 12:11

Tgt Ion: 83 Resp: 338609
Ion Ratio Lower Upper
83 100
85 66.3 45.1 83.7
127 8.1 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 53.464 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

Instrument :

MSVOA_W

ClientSampled :

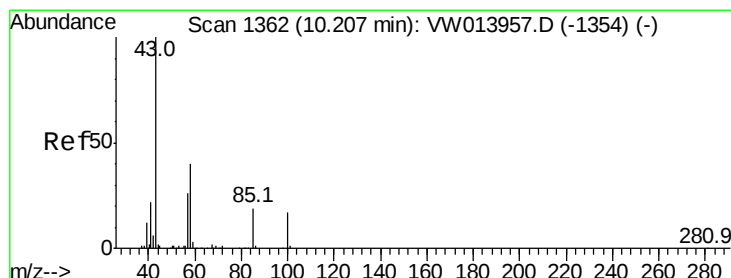
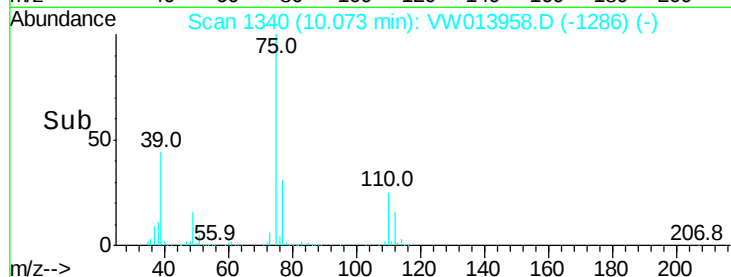
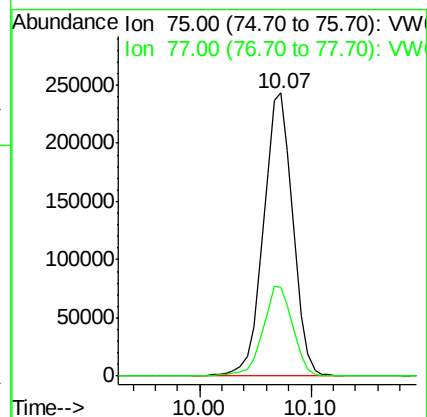
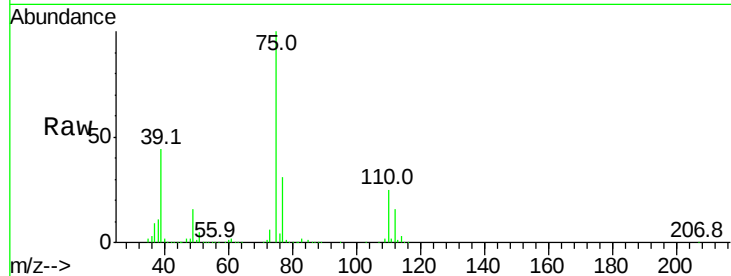
VSTD05003

Tgt Ion: 75 Resp: 447366

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 90.476 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

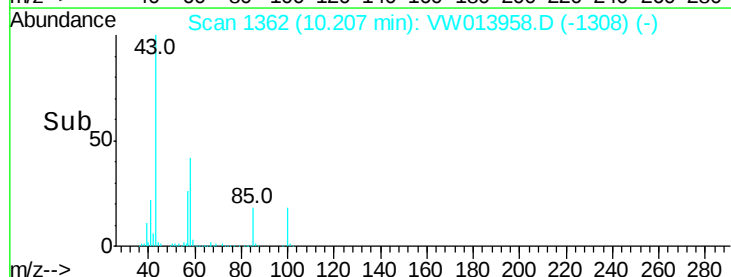
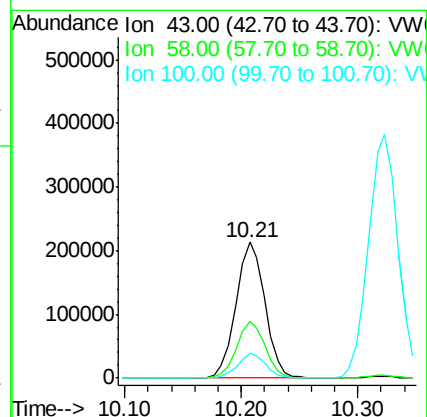
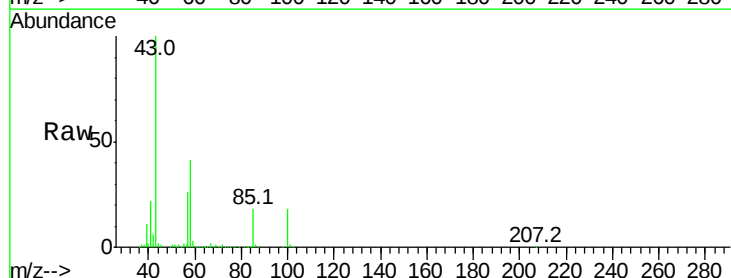
Tgt Ion: 43 Resp: 369455

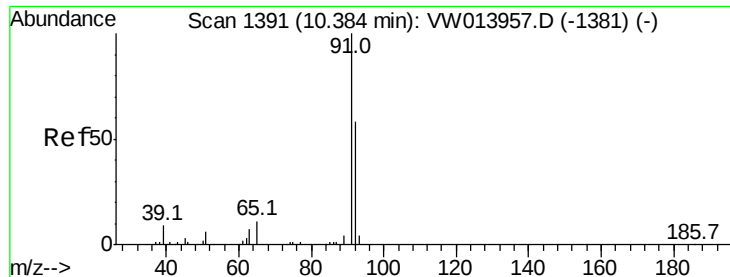
Ion Ratio Lower Upper

43 100

58 41.0 32.6 49.0

100 17.5 13.8 20.8





#44

Toluene

Concen: 52.113 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

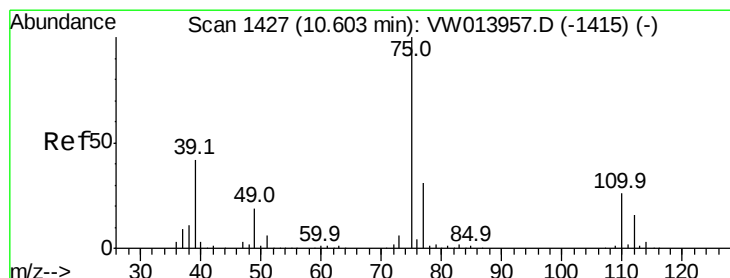
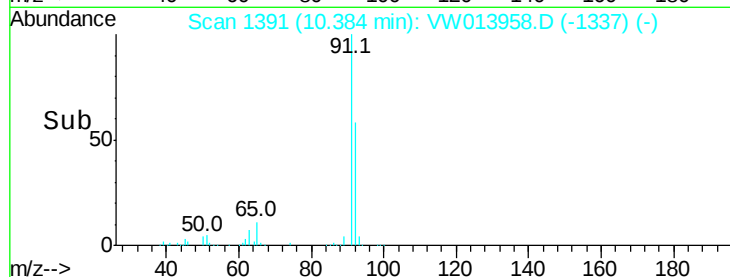
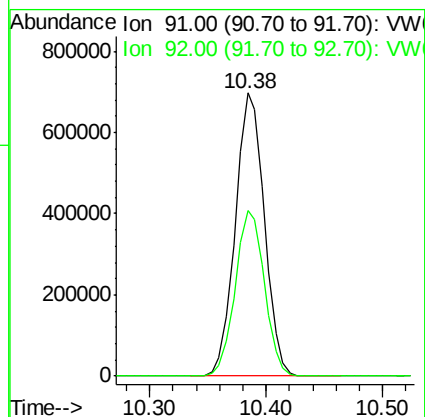
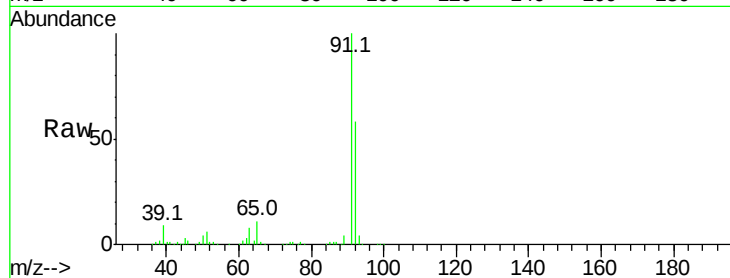
VSTD05003

Tgt Ion: 91 Resp: 1211413

Ion Ratio Lower Upper

91 100

92 58.4 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 51.809 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013958.D

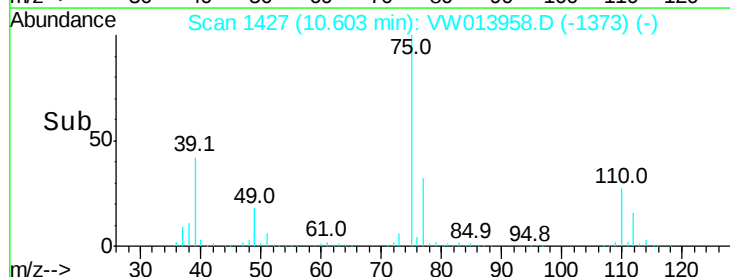
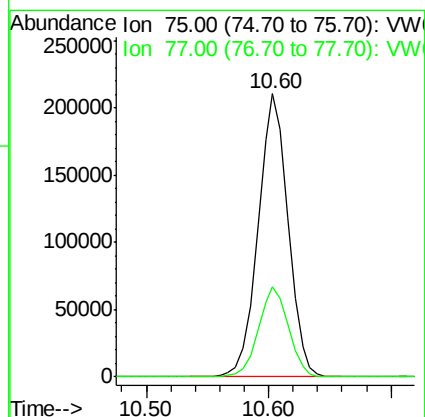
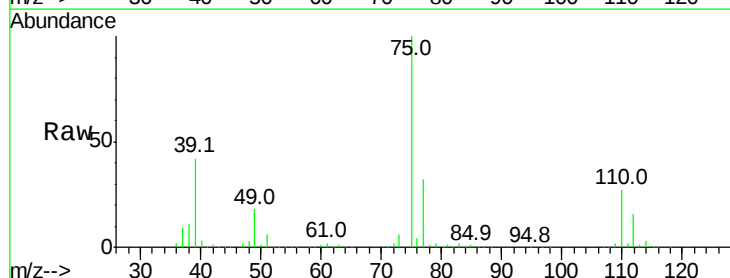
Acq: 11 Nov 2019 12:11

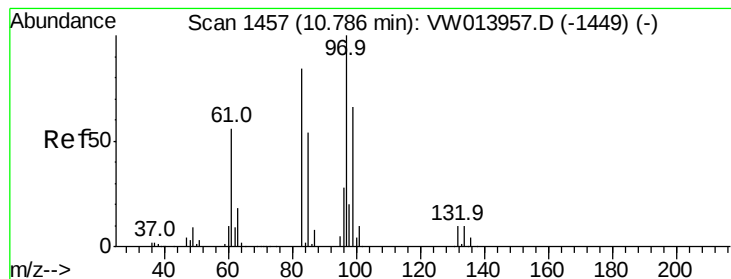
Tgt Ion: 75 Resp: 358222

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 48.152 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

Tgt Ion: 97 Resp: 204157

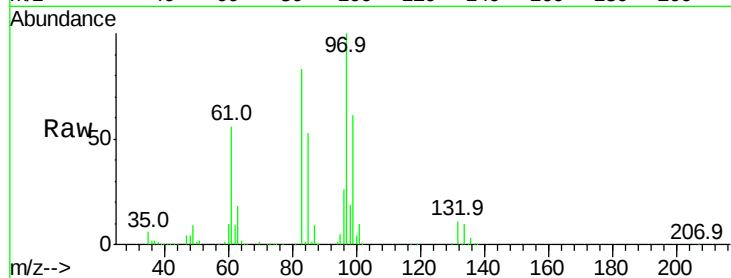
Ion Ratio Lower Upper

97 100

83 82.7 58.9 109.5

85 53.0 38.1 70.9

99 61.3 46.5 86.3

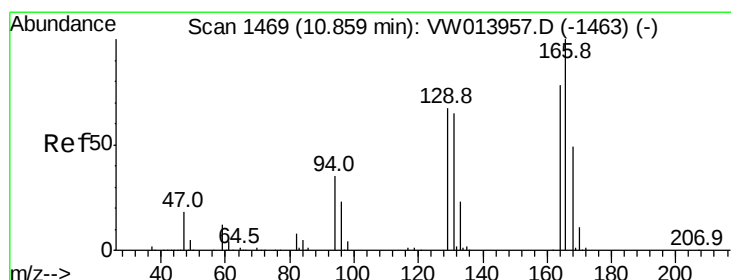
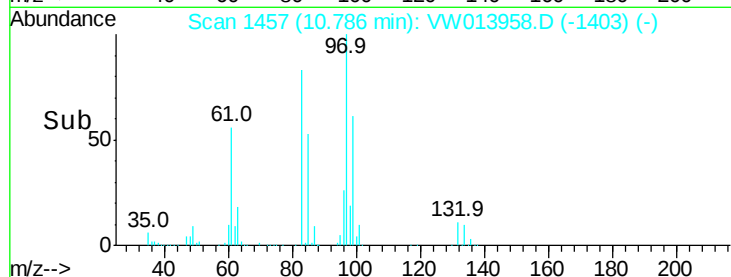
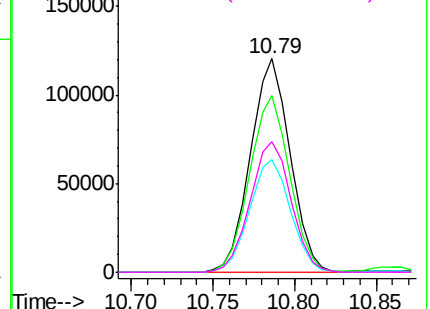


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 49.977 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

Tgt Ion: 164 Resp: 262382

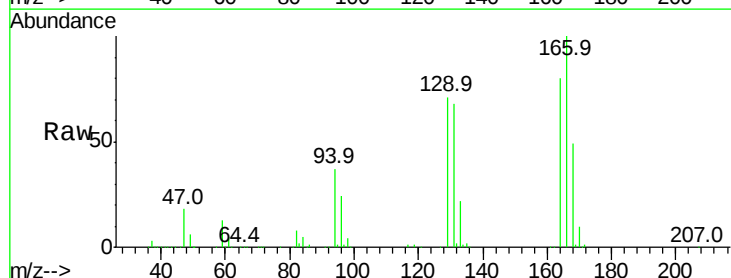
Ion Ratio Lower Upper

164 100

129 89.2 60.6 112.6

131 85.0 59.1 109.7

166 125.2 90.8 168.6

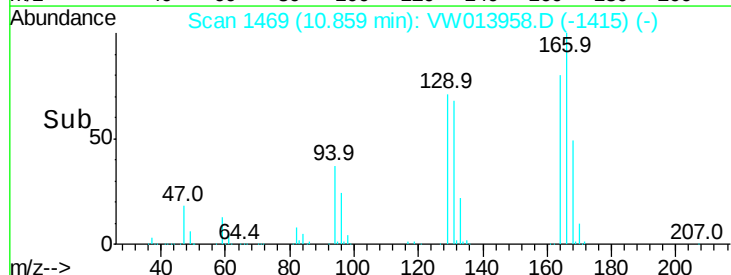
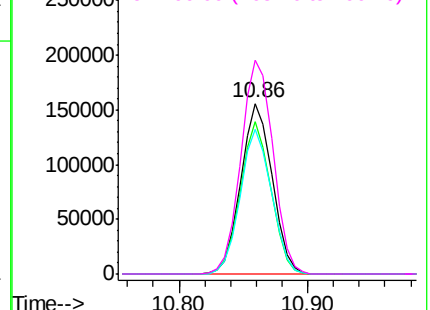


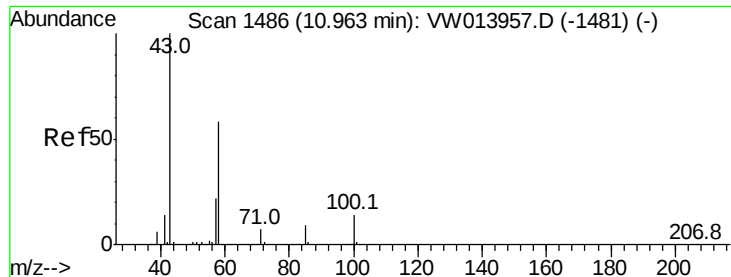
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

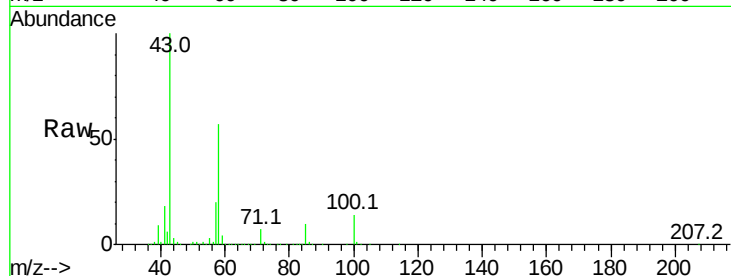




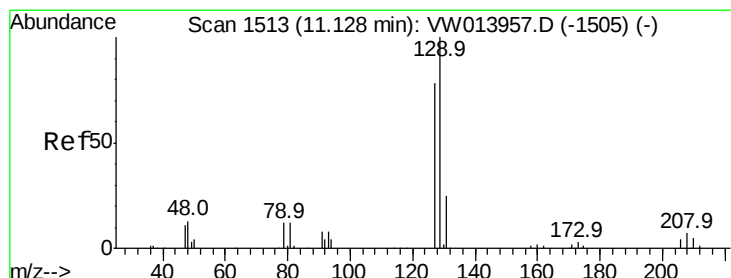
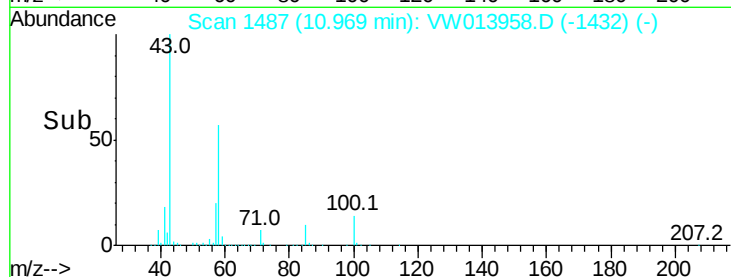
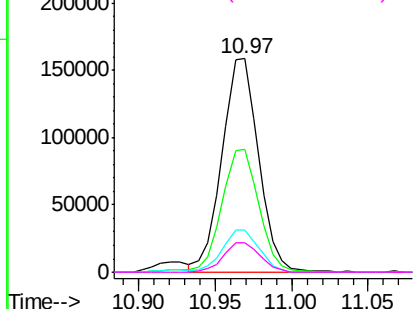
#49
2-Hexanone
Concen: 87.892 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013958.D
Acq: 11 Nov 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTD05003

Tgt Ion: 43 Resp: 263661
Ion Ratio Lower Upper
43 100
58 57.3 44.4 66.6
57 20.0 16.5 24.7
100 14.1 11.1 16.7

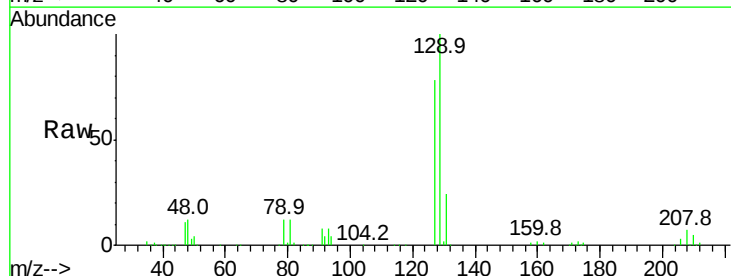


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

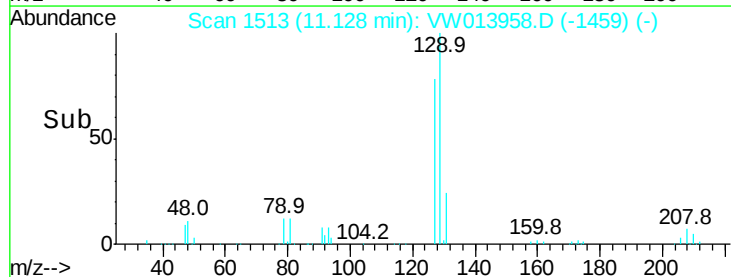
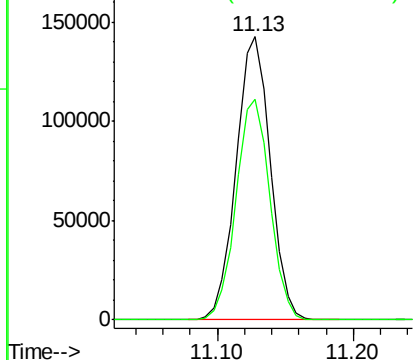


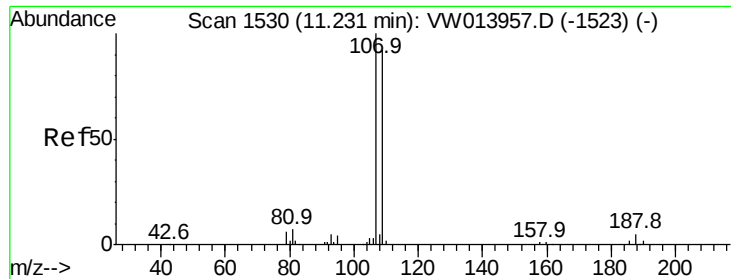
#50
Dibromochloromethane
Concen: 50.679 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013958.D
Acq: 11 Nov 2019 12:11

Tgt Ion: 129 Resp: 249430
Ion Ratio Lower Upper
129 100
127 77.8 54.9 102.1



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

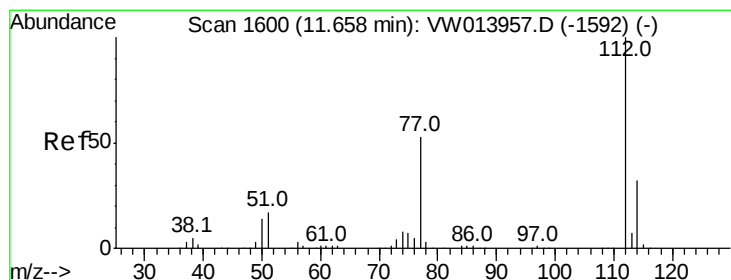
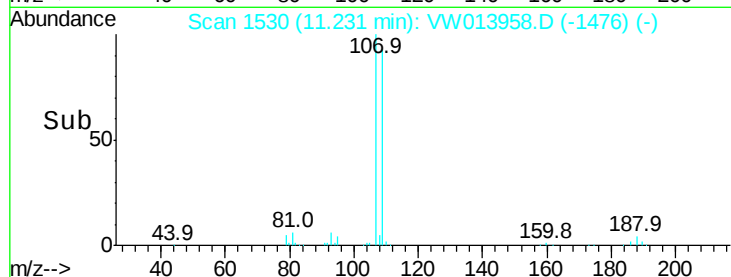
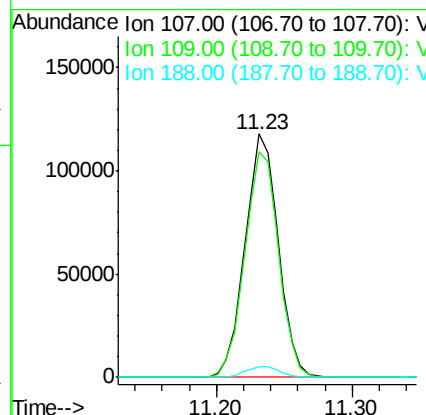
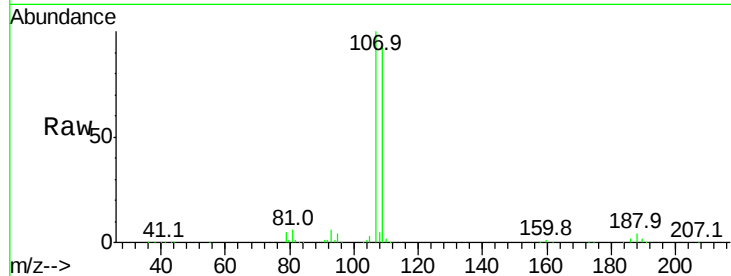




#51
 1,2-Dibromoethane
 Concen: 48.097 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013958.D
 Acq: 11 Nov 2019 12:11

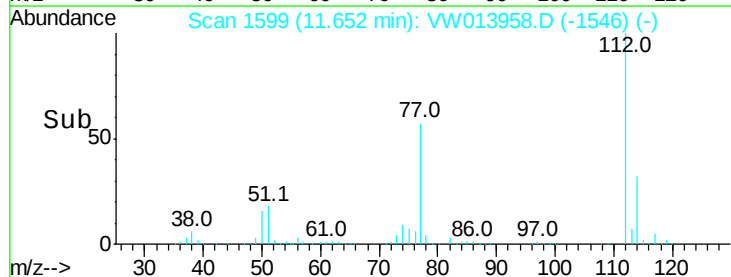
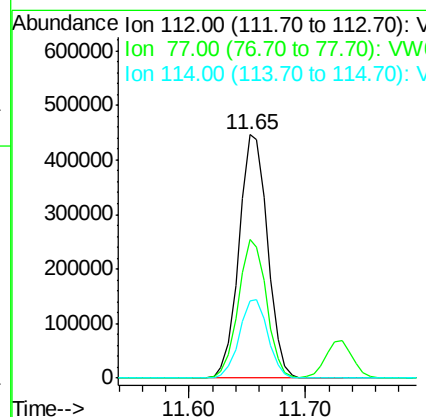
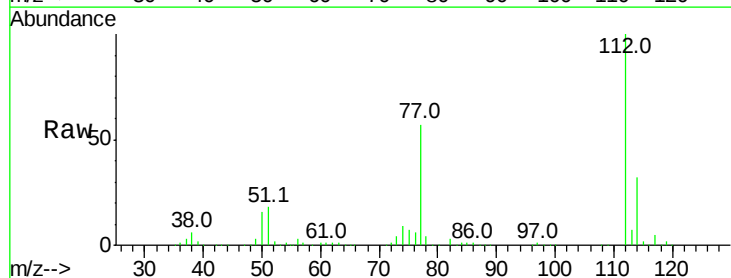
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

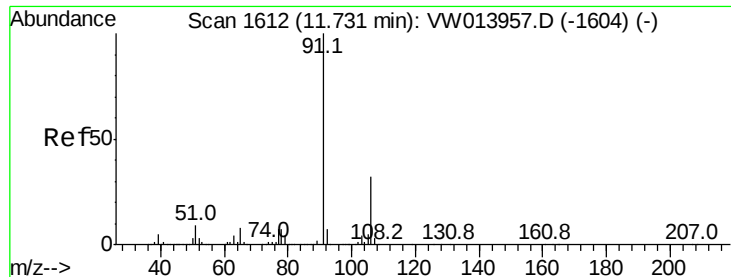
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.9	64.6	120.0
188	4.1	3.9	5.9



#52
 Chlorobenzene
 Concen: 50.930 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW013958.D
 Acq: 11 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.8	42.2	63.4
114	31.9	22.5	41.9





#53

Ethylbenzene

Concen: 51.781 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

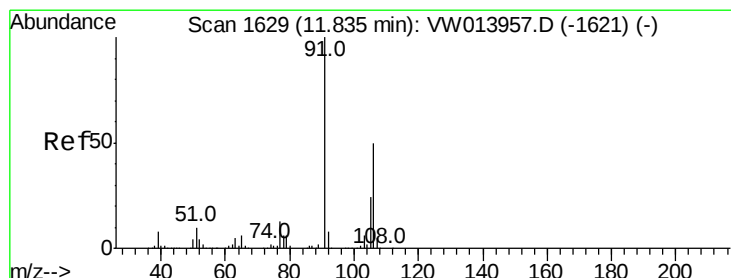
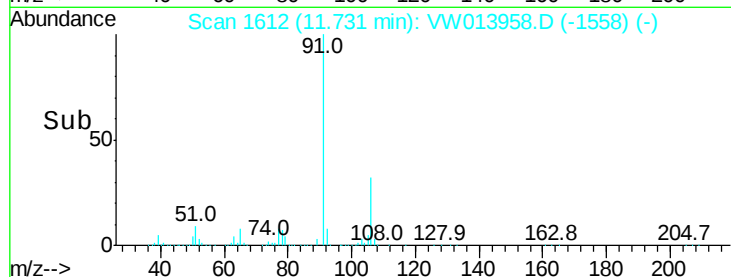
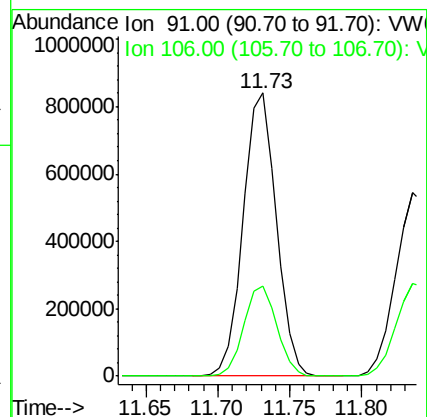
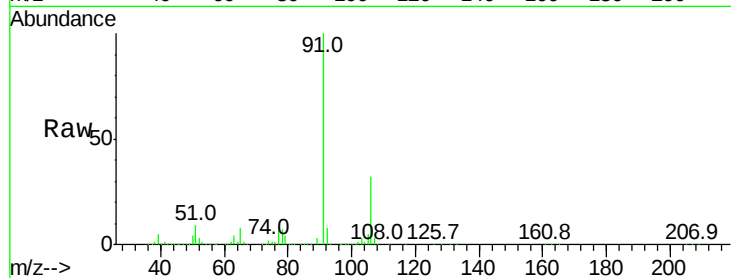
VSTD05003

Tgt Ion: 91 Resp: 1339904

Ion Ratio Lower Upper

91 100

106 31.8 22.3 41.5



#54

m,p-Xylene

Concen: 52.546 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW013958.D

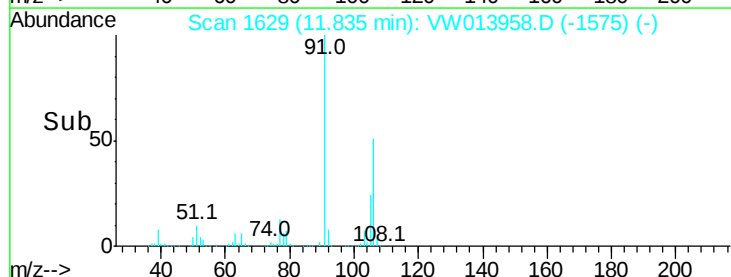
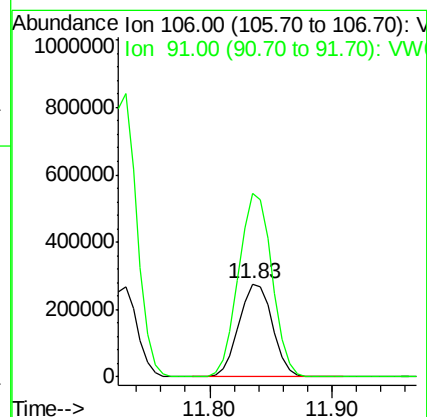
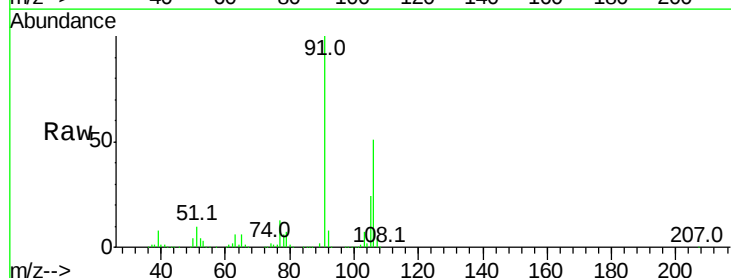
Acq: 11 Nov 2019 12:11

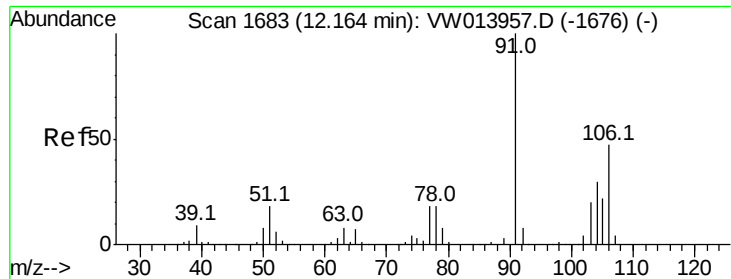
Tgt Ion: 106 Resp: 523988

Ion Ratio Lower Upper

106 100

91 196.4 138.7 257.5

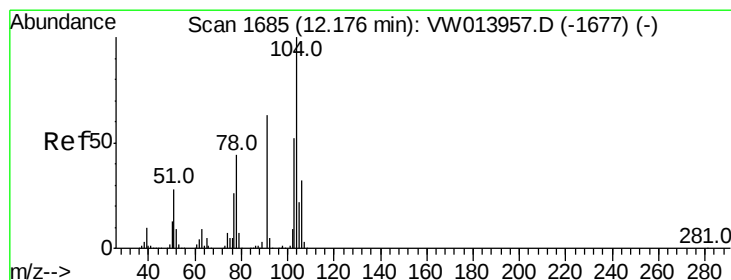
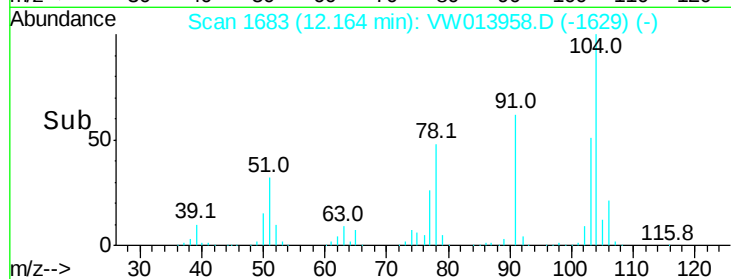
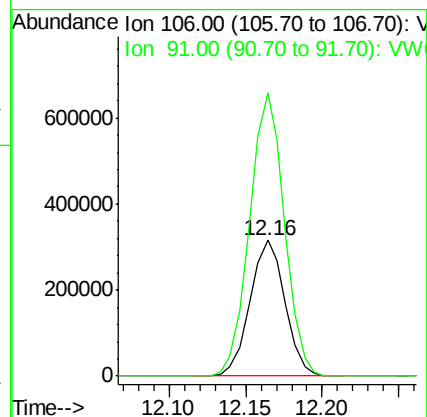
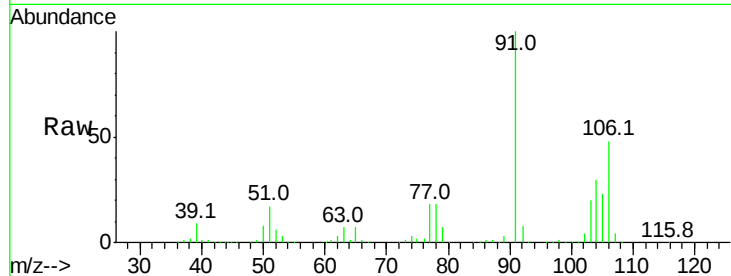




#55
o-xylene
Concen: 52.955 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013958.D
Acq: 11 Nov 2019 12:11

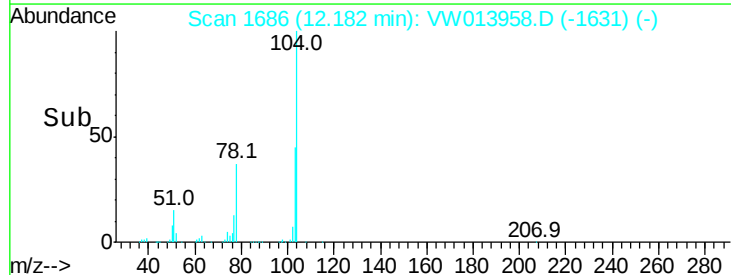
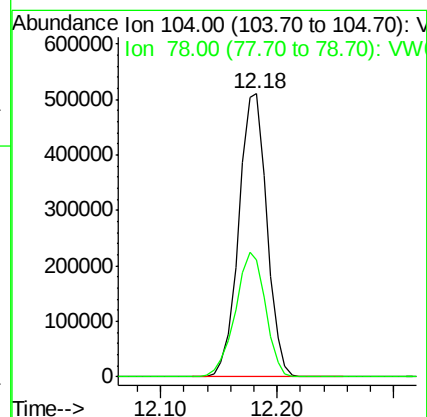
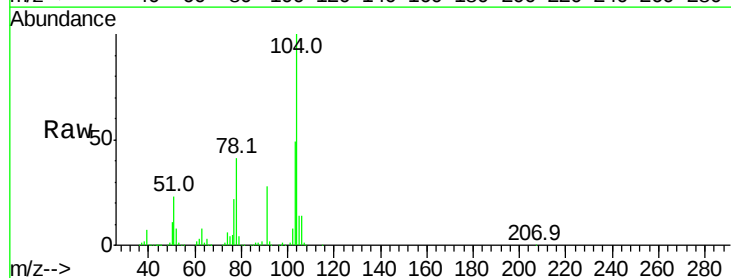
Instrument :
MSVOA_W
ClientSampleId :
VSTD05003

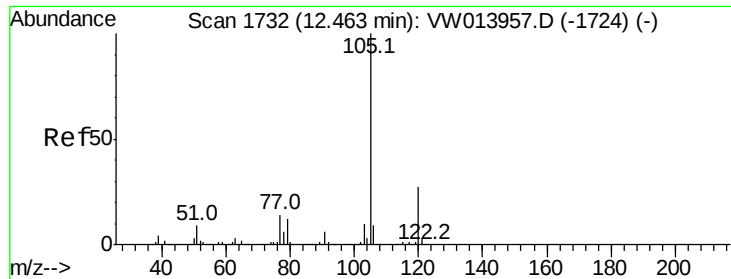
Tgt Ion:106 Resp: 499155
Ion Ratio Lower Upper
106 100
91 208.5 148.3 275.5



#56
Styrene
Concen: 52.833 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013958.D
Acq: 11 Nov 2019 12:11

Tgt Ion:104 Resp: 859375
Ion Ratio Lower Upper
104 100
78 41.5 30.6 56.8





#57

Isopropylbenzene

Concen: 52.736 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

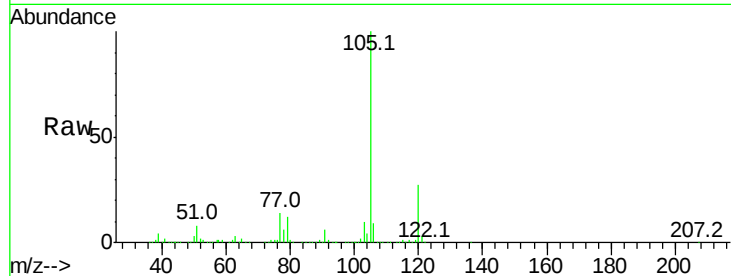
Tgt Ion:105 Resp: 1340399

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4

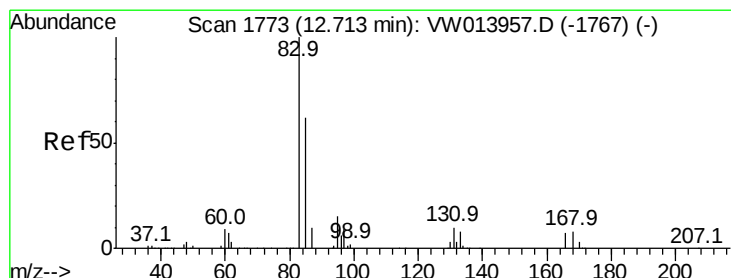
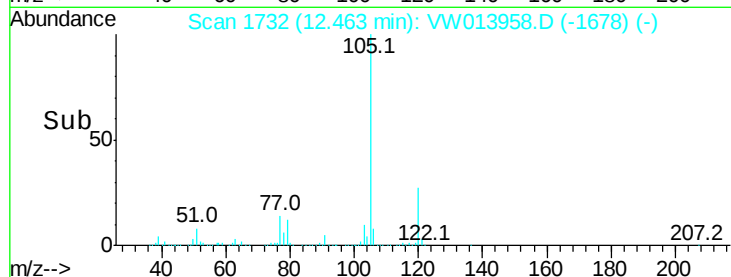
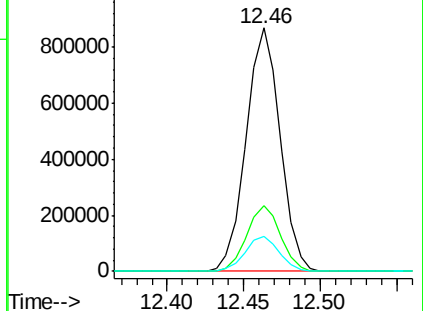
77 14.4 11.6 17.4



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: 46.242 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

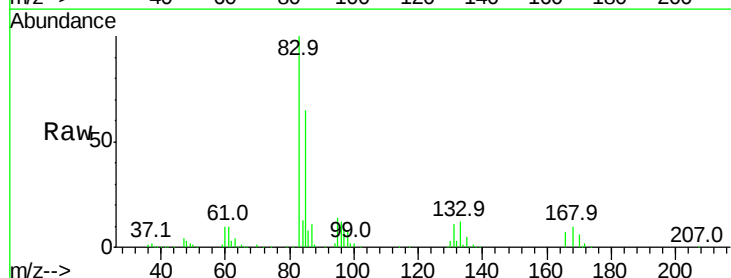
Tgt Ion: 83 Resp: 246915

Ion Ratio Lower Upper

83 100

85 64.9 43.7 81.1

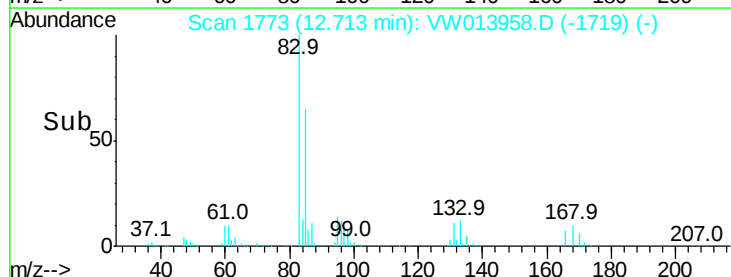
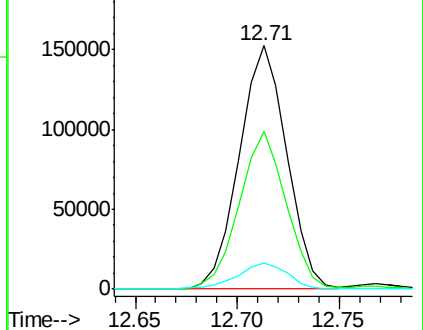
131 10.8 8.2 12.2

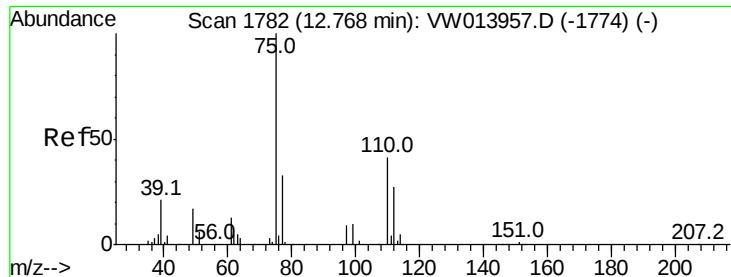


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

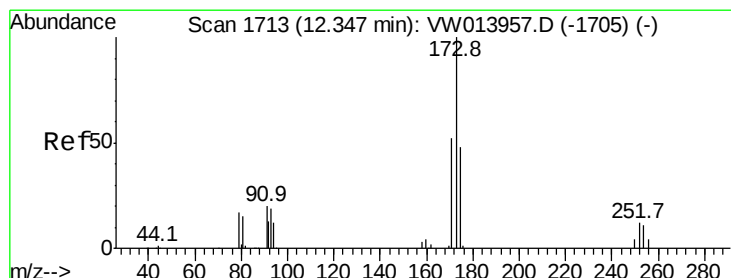
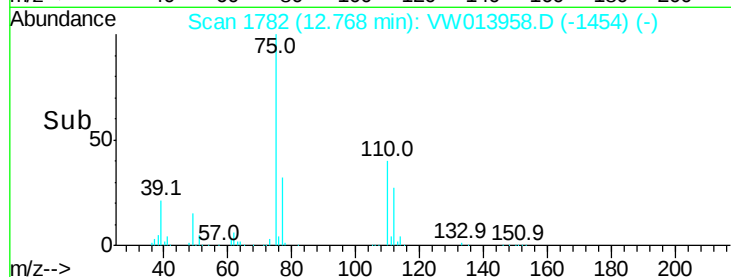
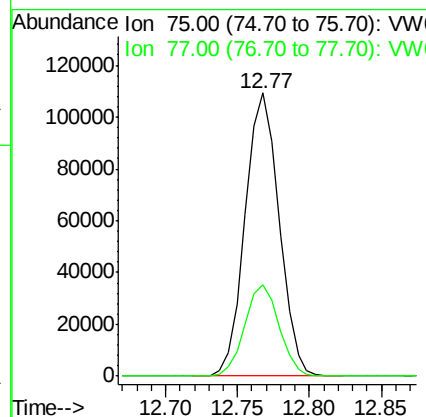
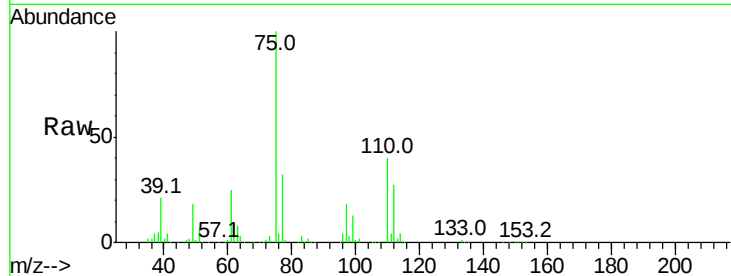




#59
 1,2,3-Trichloropropane
 Concen: 44.585 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013958.D
 Acq: 11 Nov 2019 12:11

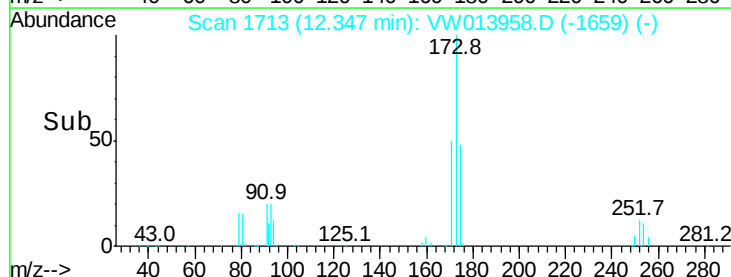
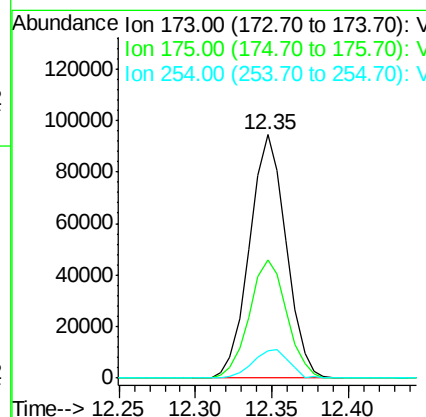
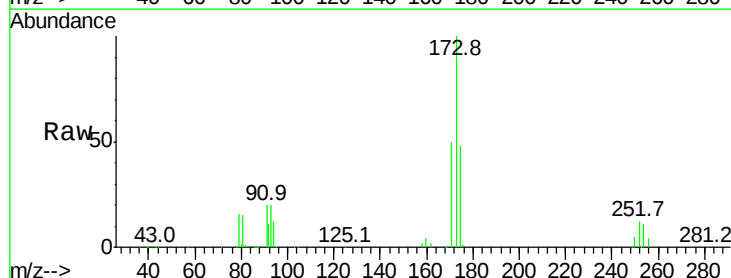
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

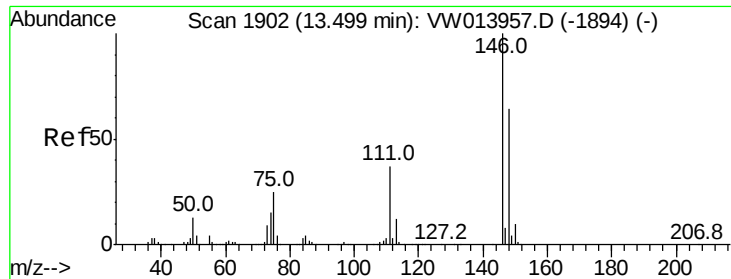
Tgt Ion: 75 Resp: 178742
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.9 38.9



#62
 Bromoform
 Concen: 48.807 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW013958.D
 Acq: 11 Nov 2019 12:11

Tgt Ion: 173 Resp: 157724
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.8 58.2
 254 11.6 9.4 14.0

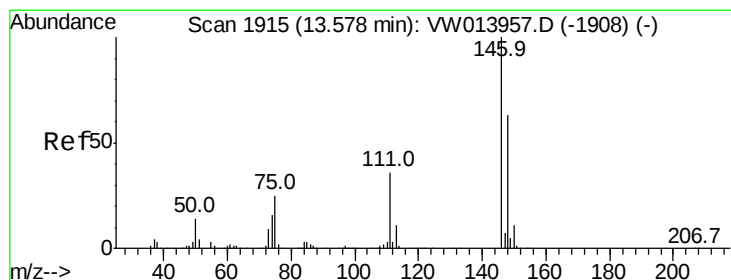
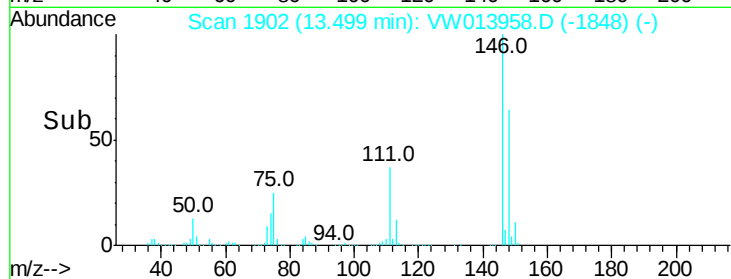
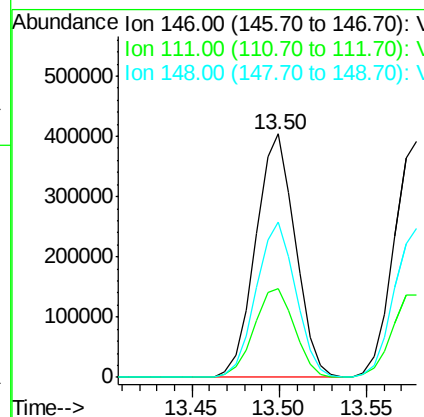
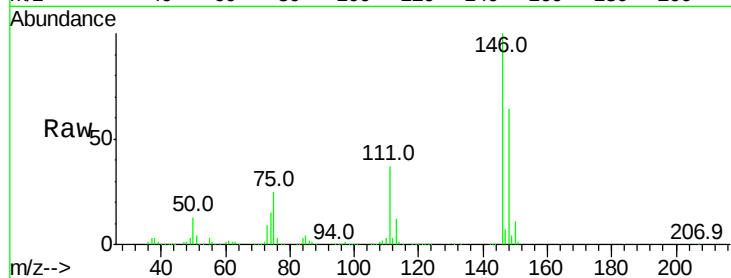




#63
 1,3-Dichlorobenzene
 Concen: 51.770 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013958.D
 Acq: 11 Nov 2019 12:11

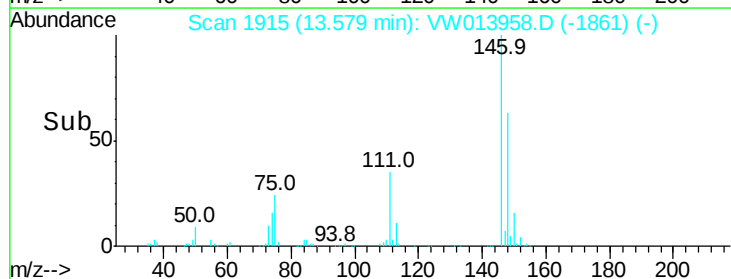
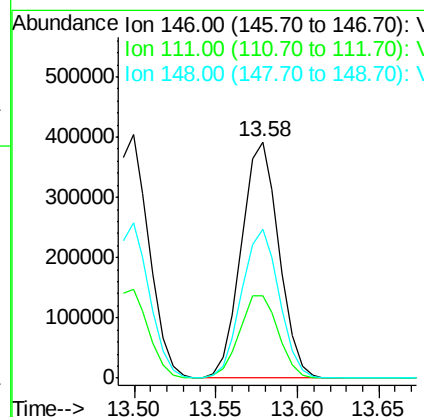
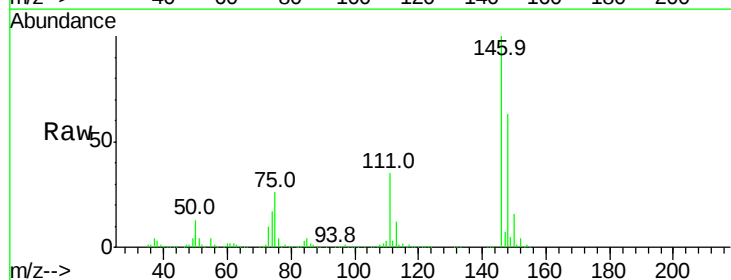
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

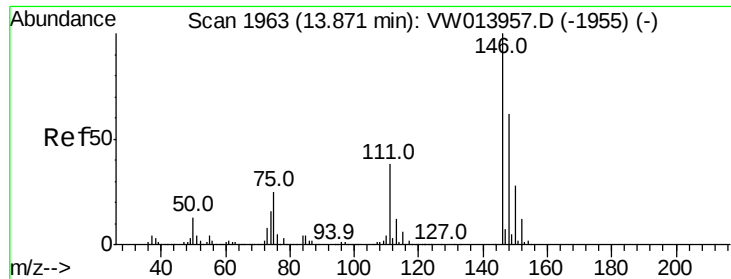
Tgt Ion:146 Resp: 637214
 Ion Ratio Lower Upper
 146 100
 111 36.6 26.0 48.2
 148 63.9 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 50.980 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013958.D
 Acq: 11 Nov 2019 12:11

Tgt Ion:146 Resp: 629023
 Ion Ratio Lower Upper
 146 100
 111 35.0 24.9 46.3
 148 63.2 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 50.970 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

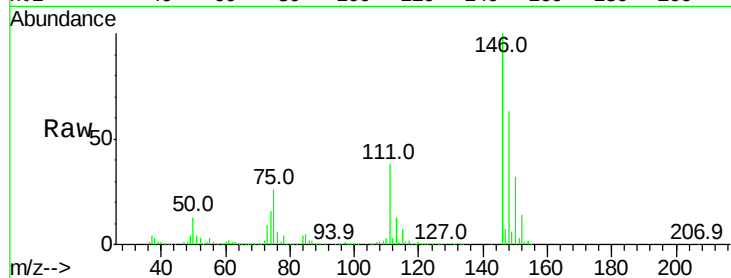
Tgt Ion:146 Resp: 567278

Ion Ratio Lower Upper

146 100

111 38.4 30.5 45.7

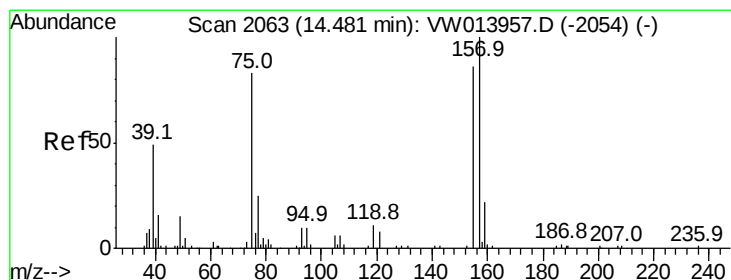
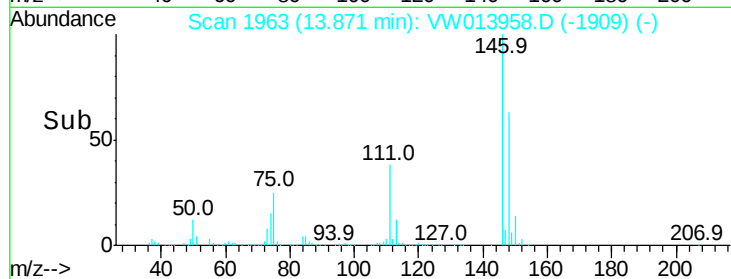
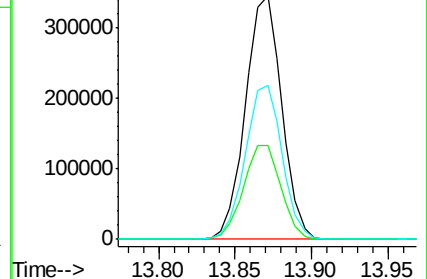
148 63.3 49.4 74.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 43.996 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

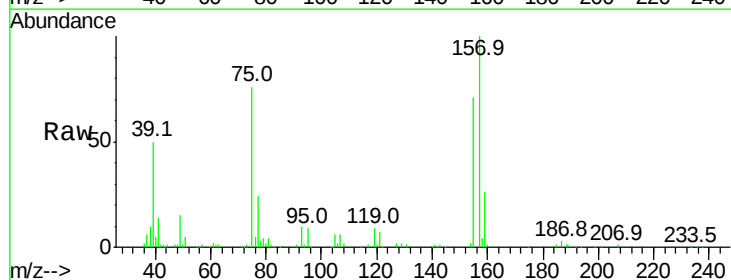
Tgt Ion: 75 Resp: 39225

Ion Ratio Lower Upper

75 100

157 131.3 96.9 145.3

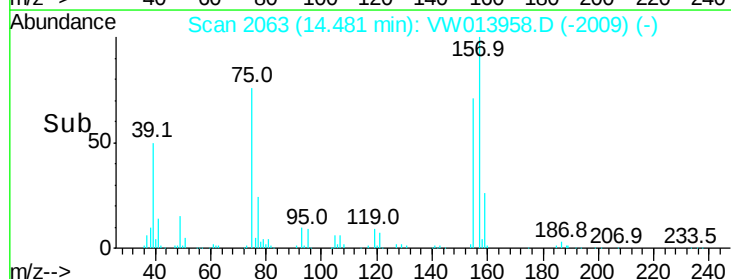
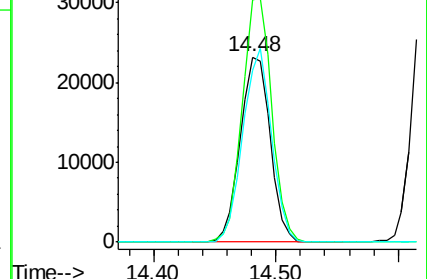
155 92.8 82.9 124.3

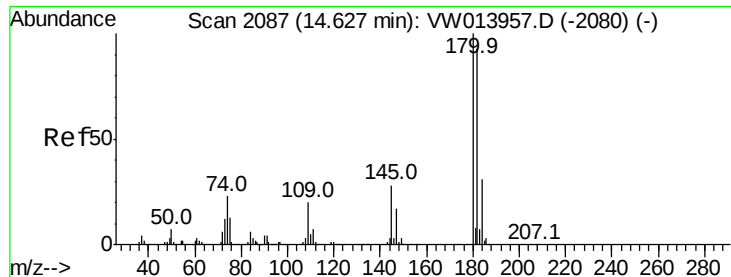


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

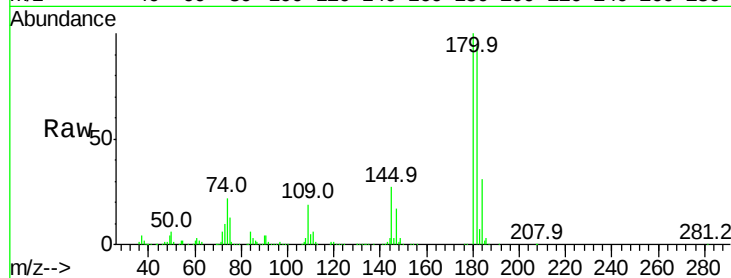




#67
 1,3,5-Trichlorobenzene
 Concen: 53.827 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013958.D
 Acq: 11 Nov 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05003

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	499008		
182	94.8	76.2	114.2	
184	30.8	24.3	36.5	
145	27.2	21.9	32.9	

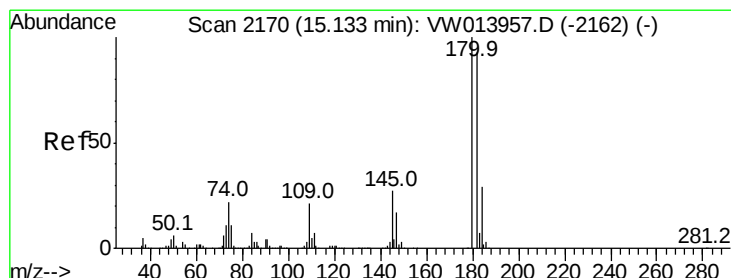
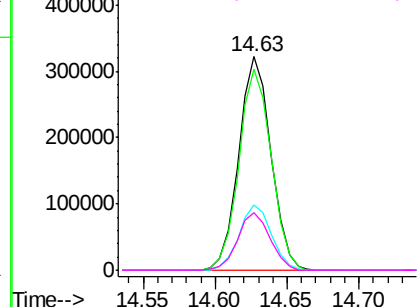
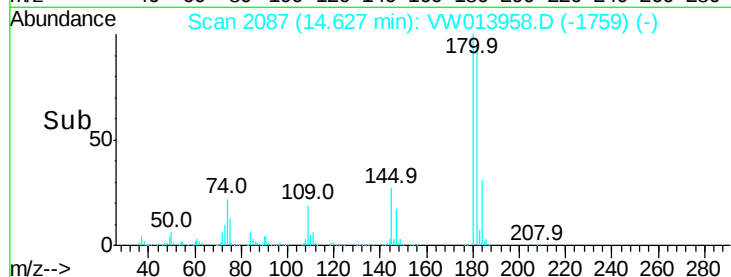


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

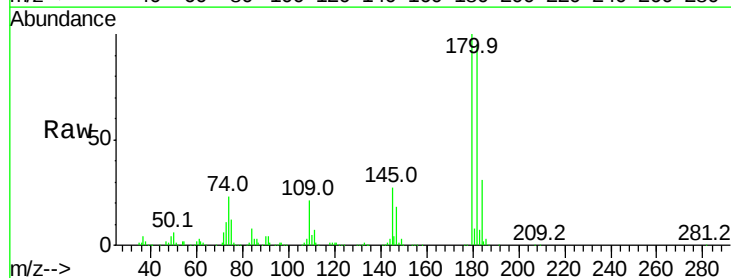
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.547 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013958.D
 Acq: 11 Nov 2019 12:11

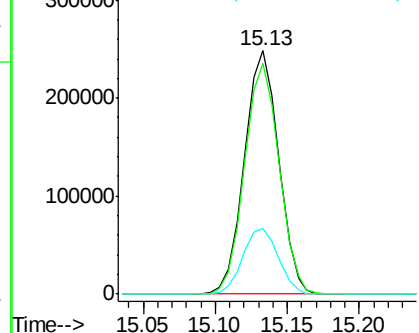
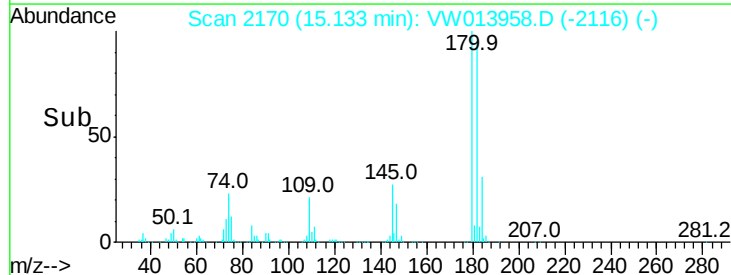
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	409394		
182	95.5	75.8	113.8	
145	27.9	22.4	33.6	

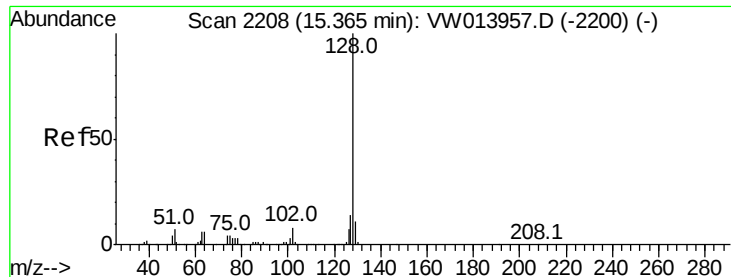


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 53.234 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD05003

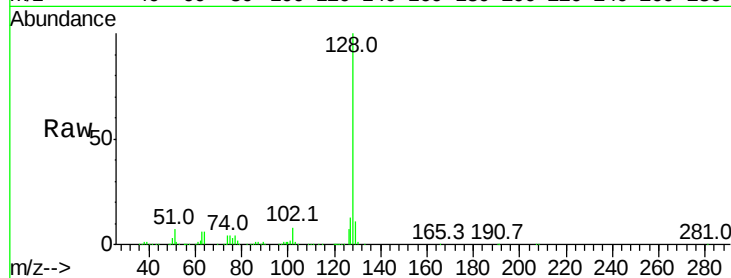
Tgt Ion:128 Resp: 757997

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

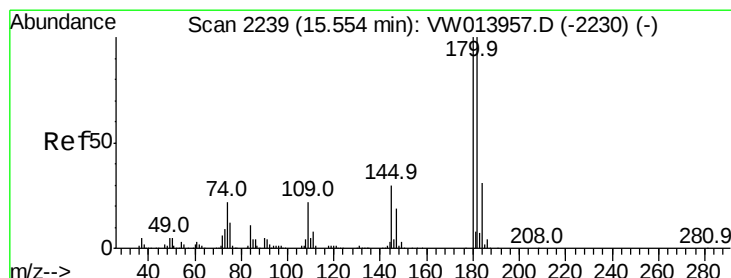
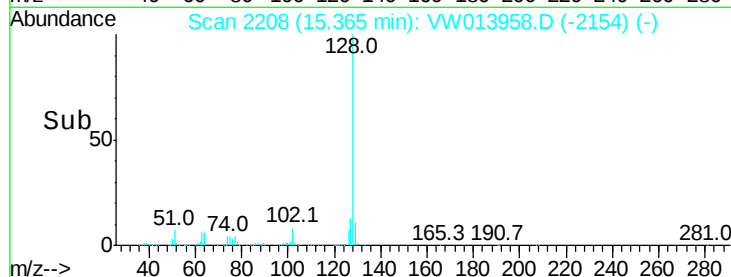
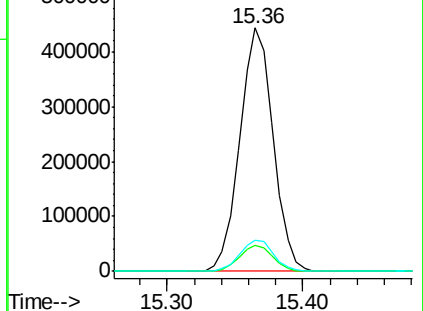
127 13.0 10.4 15.6



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: 51.859 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013958.D

Acq: 11 Nov 2019 12:11

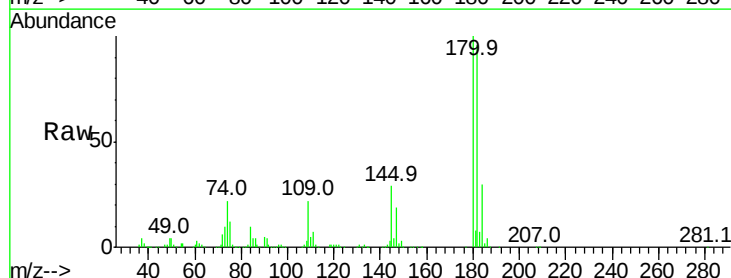
Tgt Ion:180 Resp: 358667

Ion Ratio Lower Upper

180 100

182 95.8 75.8 113.6

145 29.5 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

