

Data File : VW013298.D
Acq On : 26 Sep 2019 10:01
Operator : SY/VA
Sample : VSTD2.501
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

Quant Time: Sep 26 11:36:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 11:15:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	533500	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	478516	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	233951	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	17109	3.19	ug/L	0.00
7) Chloroethane-d5	2.89	69	13668	3.10	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	32675	2.55	ug/L	0.00
20) 2-Butanone-d5	7.09	46	5194	2.59	ug/L	0.00
24) Chloroform-d	7.65	84	32276	2.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	17530	2.43	ug/L	0.00
29) Benzene-d6	8.27	84	69261	2.84	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	20858	2.59	ug/L	0.00
37) Toluene-d8	10.32	98	64183	2.76	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	8992	2.53	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	7611	5.00	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	16187	2.66	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	21638	2.43	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	5813	1.411 ug/L	93
3) Chloromethane	2.21	50	10571	1.881 ug/L	96
5) Vinyl chloride	2.36	62	13652	1.881 ug/L	96
6) Bromomethane	2.78	94	9701	2.238 ug/L	95
8) Chloroethane	2.93	64	8883	2.030 ug/L	92
9) Trichlorofluoromethane	3.26	101	8458	1.944 ug/L	92
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	12595	1.977 ug/L	88
12) 1,1-Dichloroethene	4.04	96	14669	2.306 ug/L	85
13) Acetone	4.13	43	3611	2.089 ug/L	89
14) Carbon disulfide	4.38	76	41091	2.160 ug/L	96
15) Methyl Acetate	4.68	43	7765	2.405 ug/L	99
16) Methylene chloride	4.92	84	30484	4.185 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	26148	2.362 ug/L #	78
18) trans-1,2-Dichloroethene	5.42	96	15939	2.336 ug/L	94
19) 1,1-Dichloroethane	6.21	63	28092	2.173 ug/L	96
21) 2-Butanone	7.18	43	13924	6.113 ug/L	75
22) cis-1,2-Dichloroethene	7.16	96	17406	2.405 ug/L	98
23) Bromochloromethane	7.51	128	7988	2.547 ug/L	95
25) Chloroform	7.68	83	28932	2.222 ug/L	98
27) 1,2-Dichloroethane	8.40	62	17814	2.025 ug/L	97
30) Cyclohexane	7.96	56	27604	2.164 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	23036	2.112 ug/L	99
32) Carbon tetrachloride	8.07	117	21523	2.113 ug/L	97
34) Benzene	8.32	78	66418	2.308 ug/L	100
35) Trichloroethene	9.10	95	17877	2.354 ug/L	98
36) Methylcyclohexane	9.34	83	29863	2.274 ug/L	98
40) 1,2-Dichloropropane	9.37	63	16289	2.250 ug/L #	92
41) Bromodichloromethane	9.65	83	19077	2.069 ug/L	90
42) cis-1,3-Dichloropropene	10.07	75	24724	2.174 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	23427	5.088 ug/L	95

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Quant Title : VOC Analysis
QLast Update : Thu Sep 26 11:15:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	72664	2.360	ug/L	94
45) trans-1,3-Dichloropropene	10.61	75	18989	2.060	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	12802	2.630	ug/L	91
47) Tetrachloroethene	10.87	164	16077	2.459	ug/L	88
49) 2-Hexanone	10.97	43	15862	4.660	ug/L	96
50) Dibromochloromethane	11.13	129	13728	2.316	ug/L	92
51) 1,2-Dibromoethane	11.23	107	11832	2.527	ug/L	98
52) Chlorobenzene	11.66	112	45477	2.364	ug/L	96
53) Ethylbenzene	11.73	91	79426	2.273	ug/L	96
54) m,p-Xylene	11.84	106	29753	2.277	ug/L	95
55) o-xylene	12.16	106	28502	2.319	ug/L	95
56) Styrene	12.18	104	46600	2.228	ug/L	98
57) Isopropylbenzene	12.46	105	76407	2.264	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	14666	2.649	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	11490	2.693	ug/L	97
62) Bromoform	12.35	173	8271	2.474	ug/L #	94
63) 1,3-Dichlorobenzene	13.50	146	35556	2.399	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	36607	2.476	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	32494	2.445	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	2382	2.586	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	26309	2.308	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	19302	2.136	ug/L	99
69) Naphthalene	15.37	128	31239	2.135	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	18189	2.281	ug/L	99

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

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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

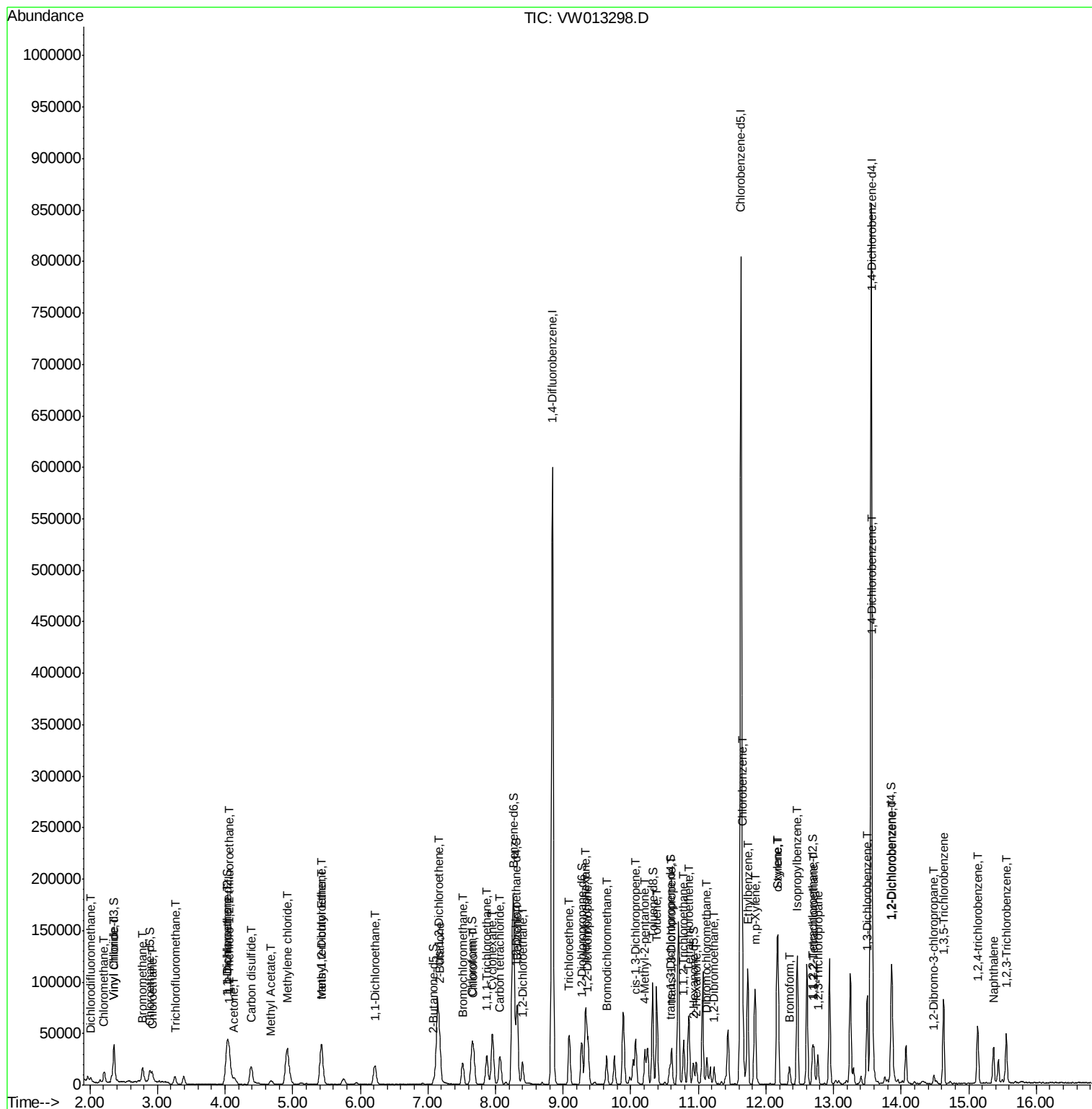
Quant Time: Sep 26 11:36:40 2019

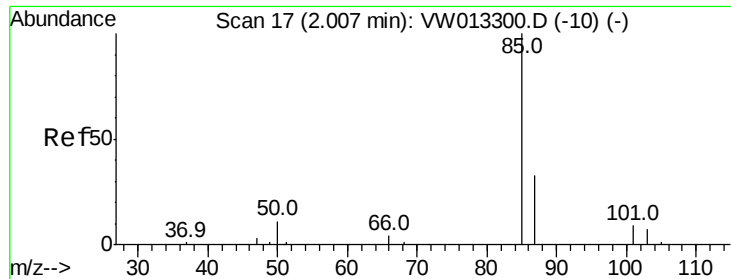
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M

Quant Title : VOC Analysis

QLast Update : Thu Sep 26 11:15:22 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.411 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013298.D

Acq: 26 Sep 2019 10:01

Instrument :

MSVOA_W

ClientSampleId :

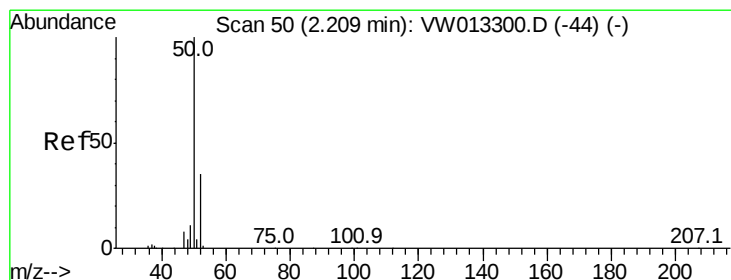
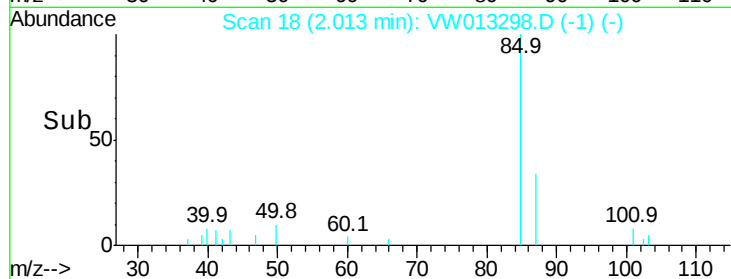
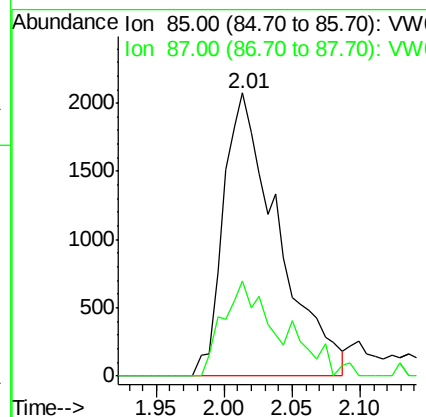
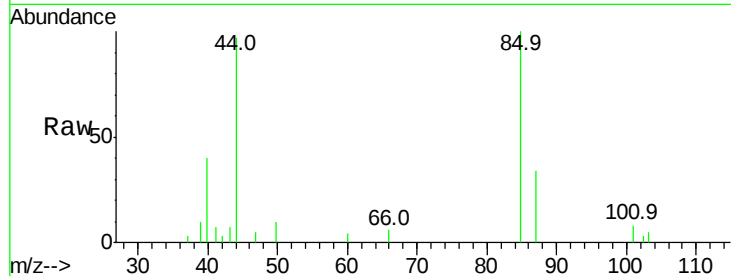
VSTD2.501

Tgt Ion: 85 Resp: 5813

Ion Ratio Lower Upper

85 100

87 26.8 21.3 39.6



#3

Chloromethane

Concen: 1.881 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013298.D

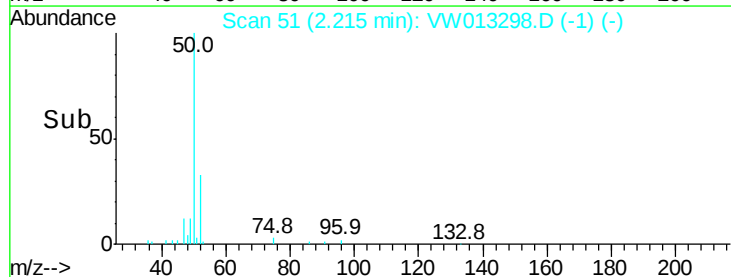
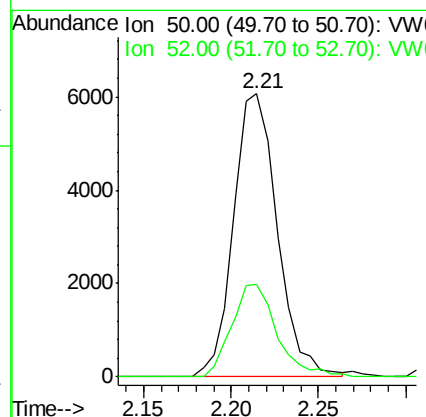
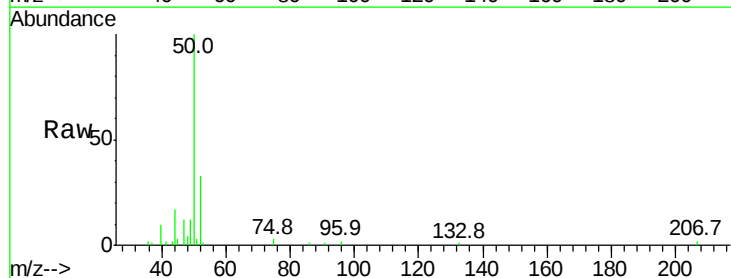
Acq: 26 Sep 2019 10:01

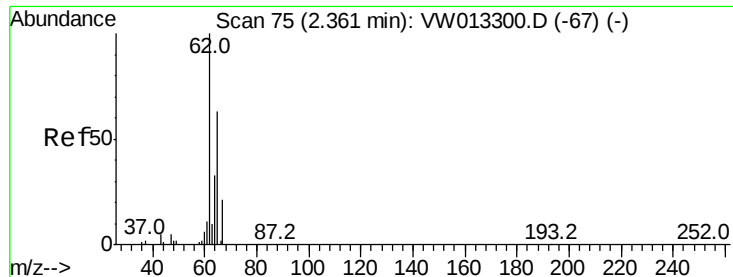
Tgt Ion: 50 Resp: 10571

Ion Ratio Lower Upper

50 100

52 32.7 24.4 45.4





#5

Vinyl chloride

Concen: 1.881 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013298.D

Acq: 26 Sep 2019 10:01

Instrument :

MSVOA_W

ClientSampleId :

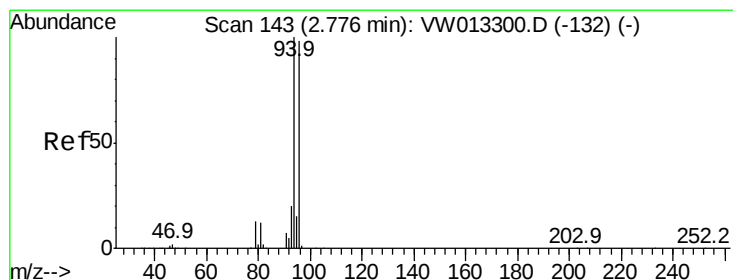
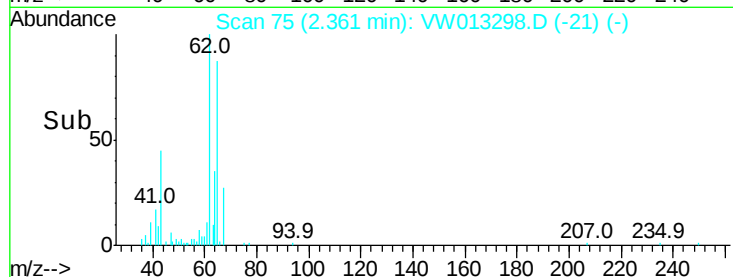
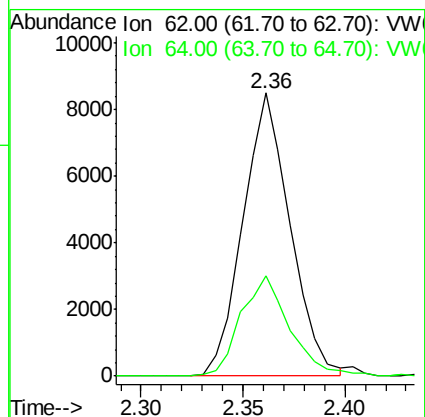
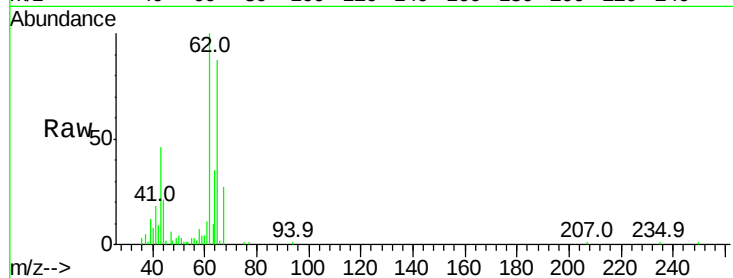
VSTD2.501

Tgt Ion: 62 Resp: 13652

Ion Ratio Lower Upper

62 100

64 35.3 23.2 43.0



#6

Bromomethane

Concen: 2.238 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW013298.D

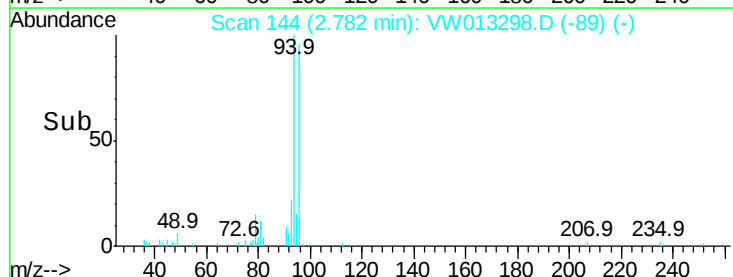
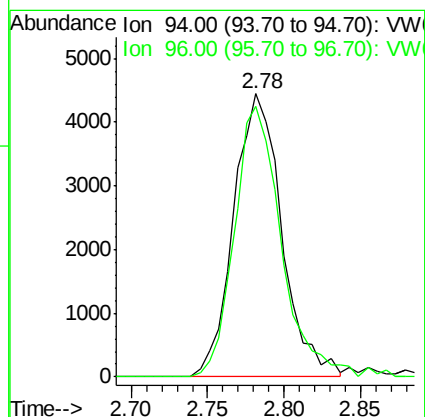
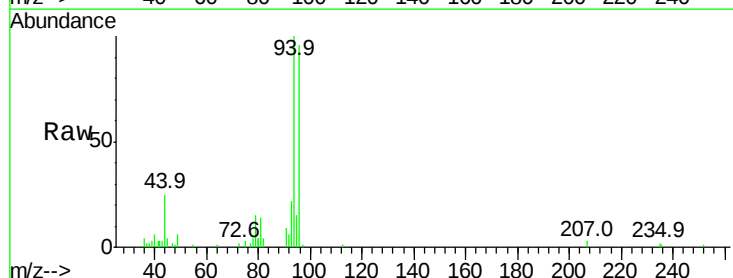
Acq: 26 Sep 2019 10:01

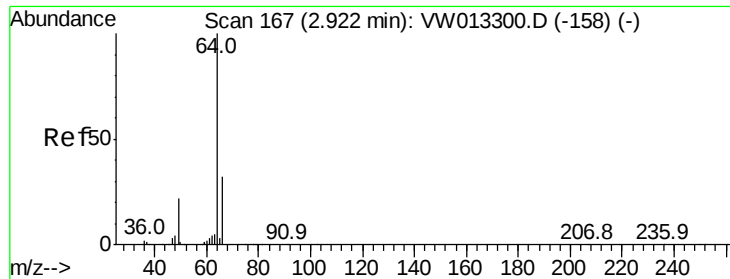
Tgt Ion: 94 Resp: 9701

Ion Ratio Lower Upper

94 100

96 91.8 9.7 184.3





#8

Chloroethane

Concen: 2.030 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW013298.D

Acq: 26 Sep 2019 10:01

Instrument :

MSVOA_W

ClientSampleId :

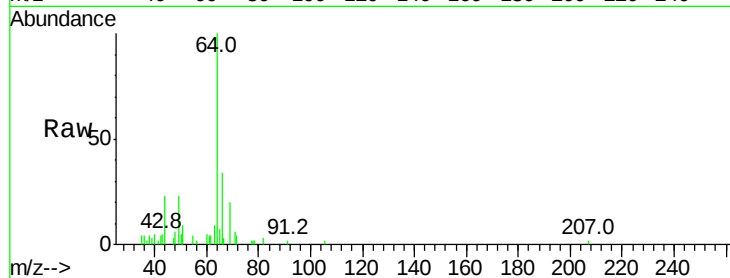
VSTD2.501

Tgt Ion: 64 Resp: 8883

Ion Ratio Lower Upper

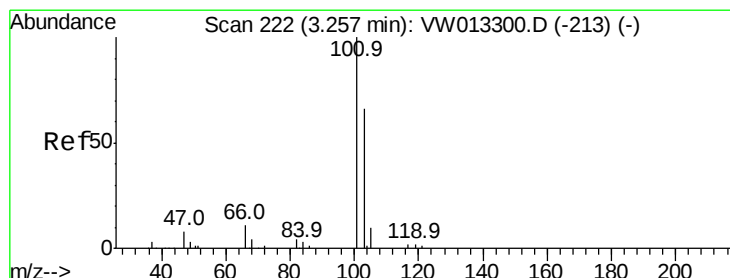
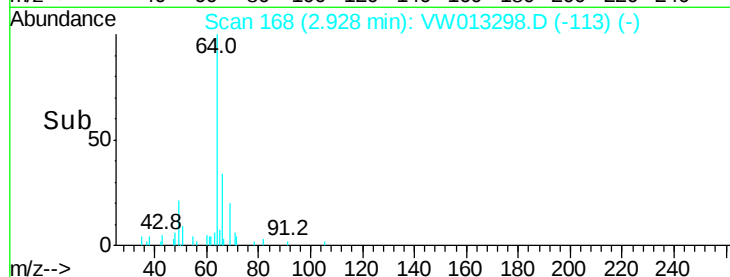
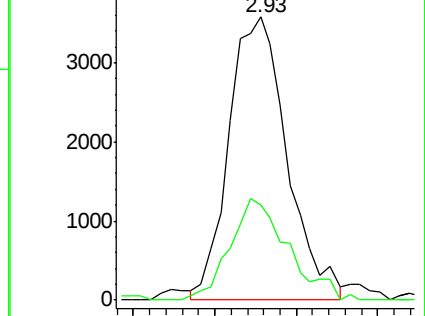
64 100

66 36.8 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 1.944 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013298.D

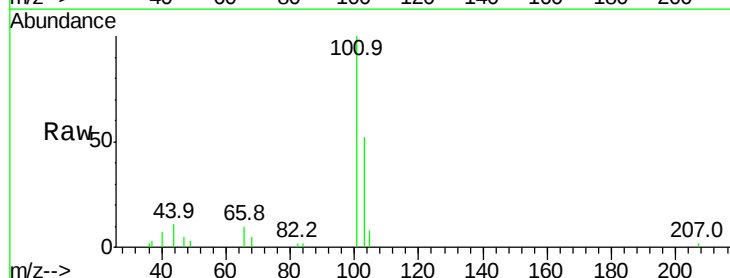
Acq: 26 Sep 2019 10:01

Tgt Ion: 101 Resp: 8458

Ion Ratio Lower Upper

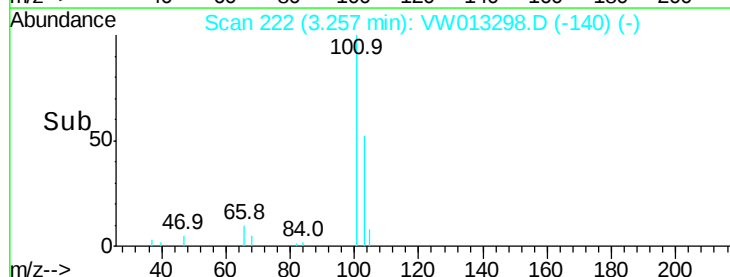
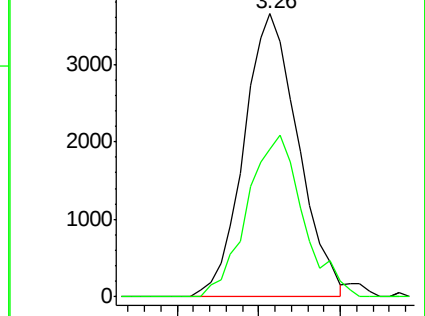
101 100

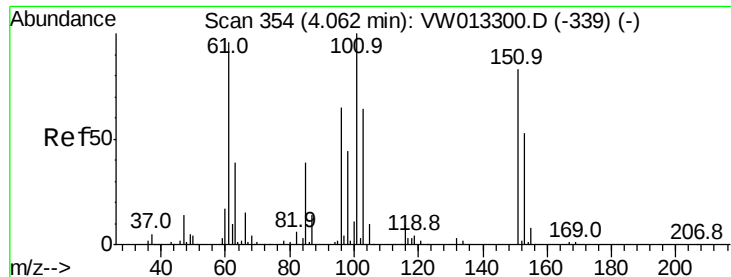
103 58.5 45.2 84.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 1.977 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW013298.D

Acq: 26 Sep 2019 10:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

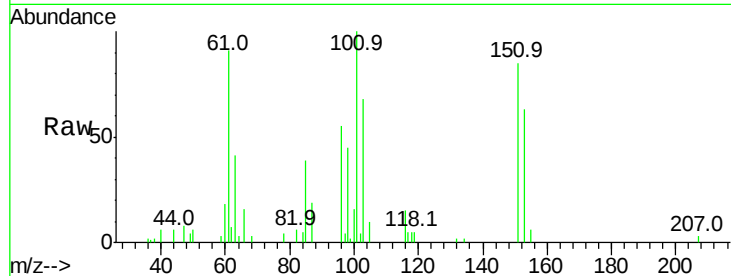
Tgt Ion:101 Resp: 12595

Ion Ratio Lower Upper

101 100

85 45.4 31.8 47.8

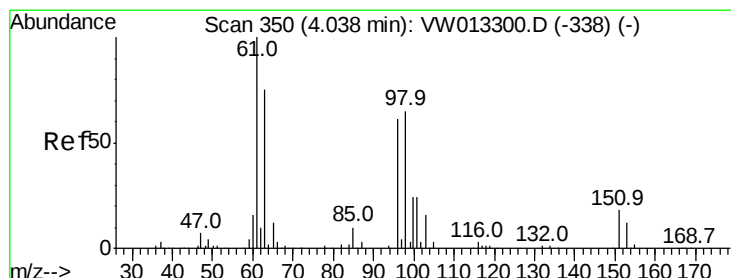
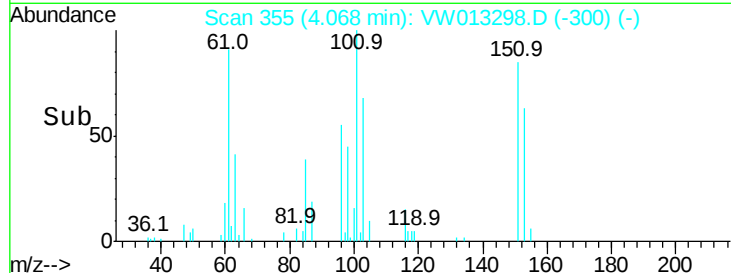
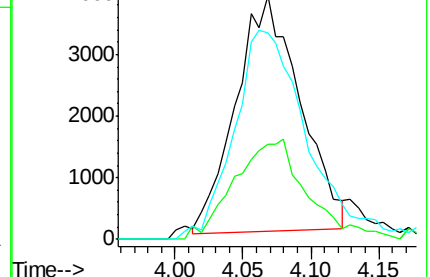
151 94.2 65.4 98.0



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: 2.306 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013298.D

Acq: 26 Sep 2019 10:01

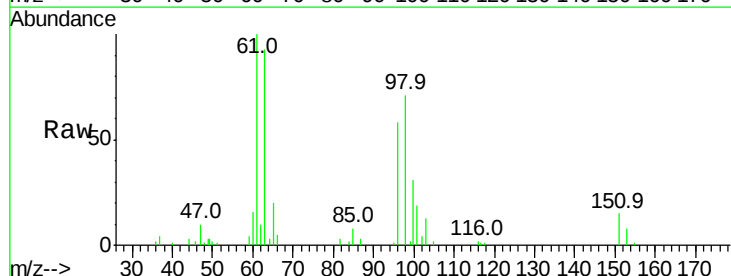
Tgt Ion: 96 Resp: 14669

Ion Ratio Lower Upper

96 100

61 171.9 115.9 215.3

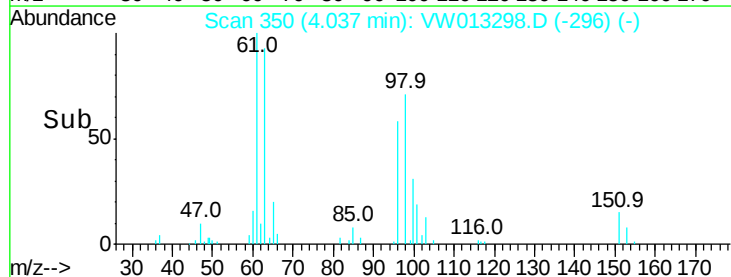
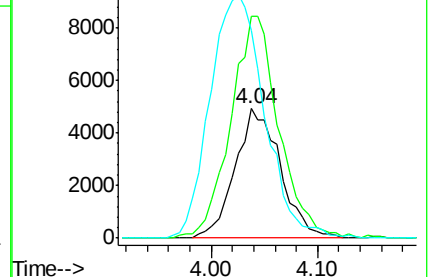
63 160.6 88.9 165.1

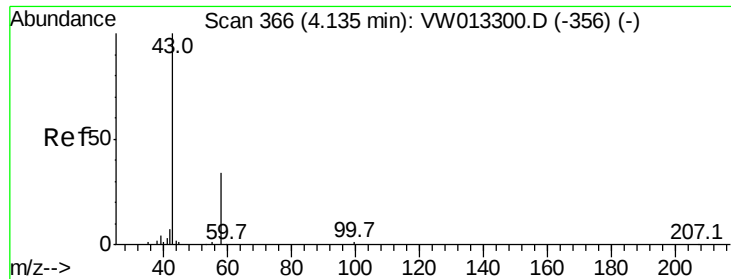


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

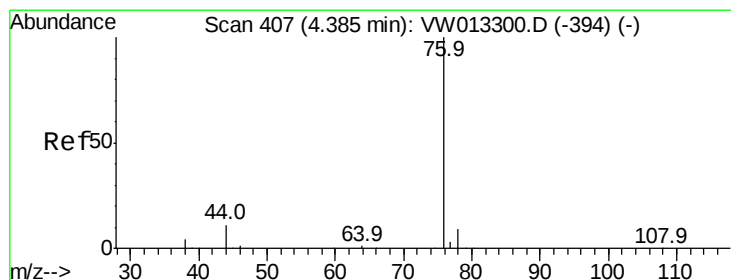
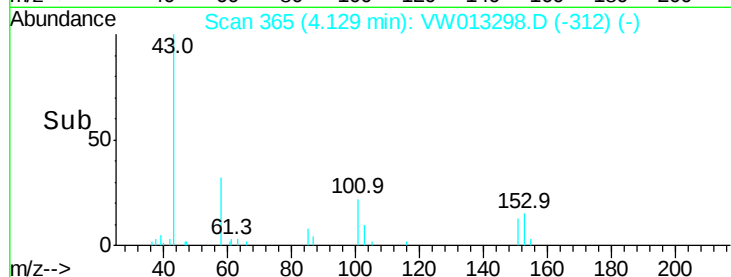
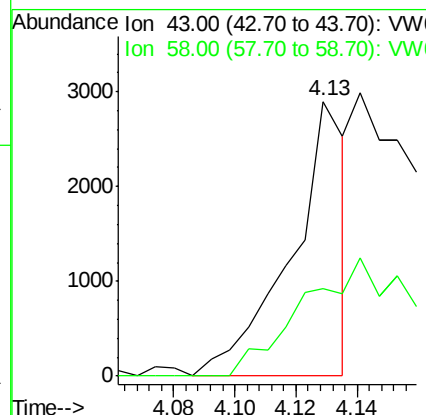
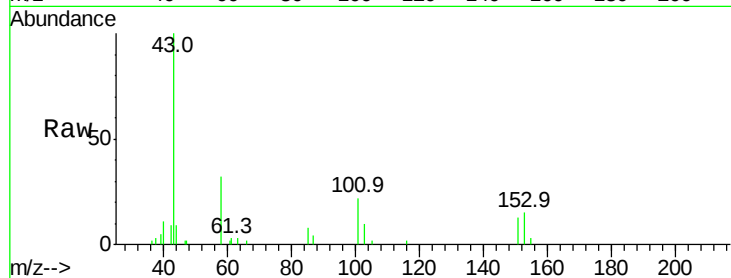




#13
Acetone
Concen: 2.089 ug/L
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW013298.D
Acq: 26 Sep 2019 10:01

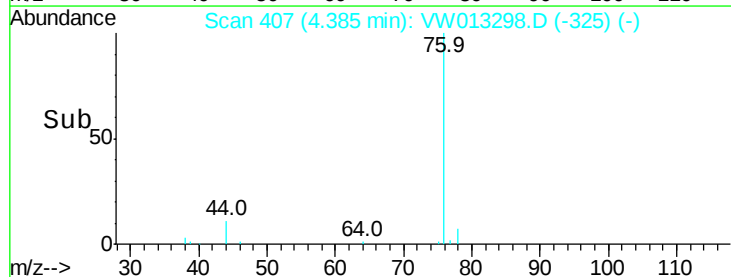
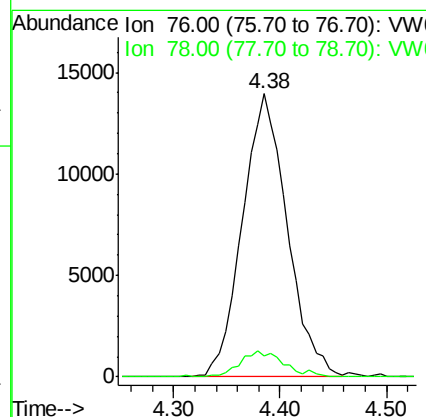
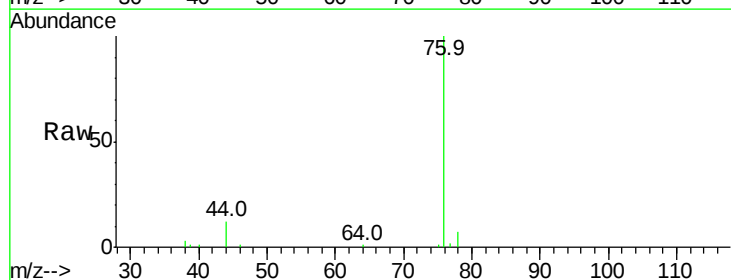
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

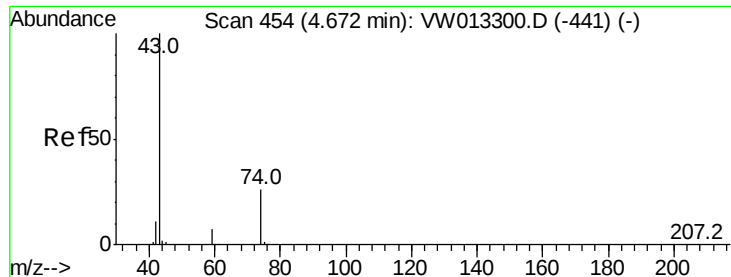
Tgt Ion: 43 Resp: 3611
Ion Ratio Lower Upper
43 100
58 37.9 0.0 63.2



#14
Carbon disulfide
Concen: 2.160 ug/L
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013298.D
Acq: 26 Sep 2019 10:01

Tgt Ion: 76 Resp: 41091
Ion Ratio Lower Upper
76 100
78 7.4 7.2 10.8

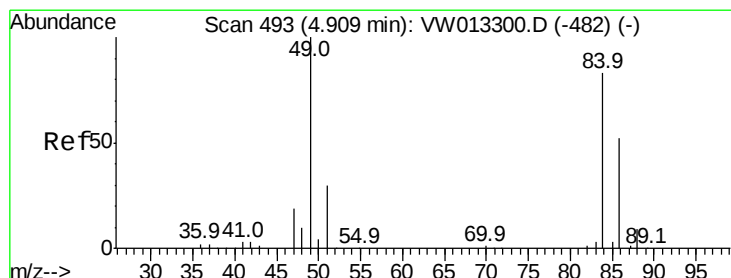
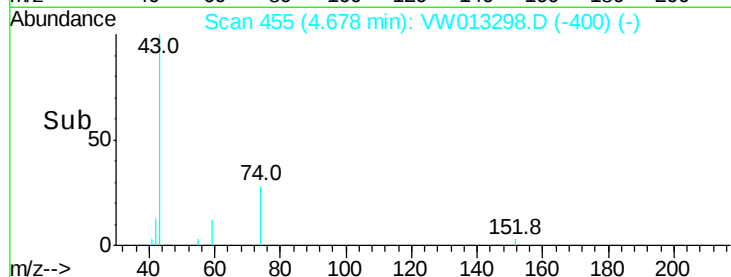
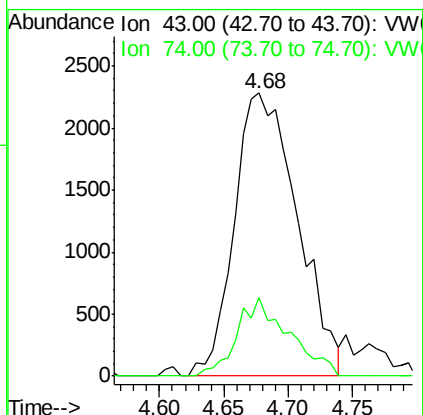
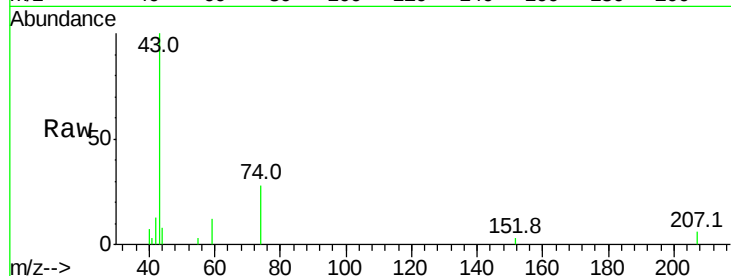




#15
Methyl Acetate
Concen: 2.405 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW013298.D
Acq: 26 Sep 2019 10:01

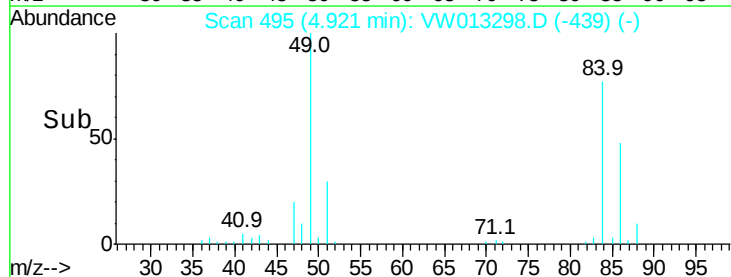
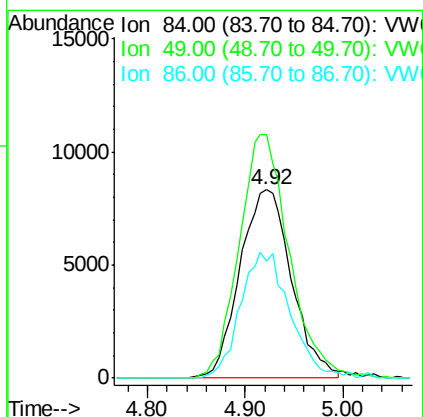
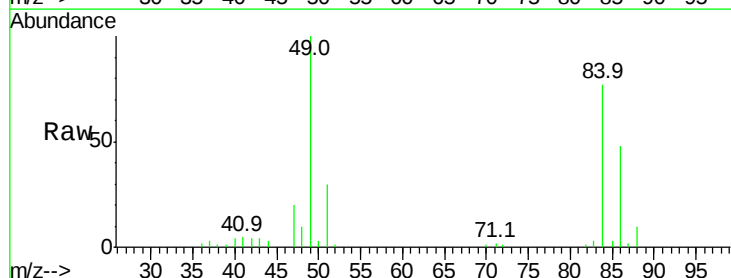
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

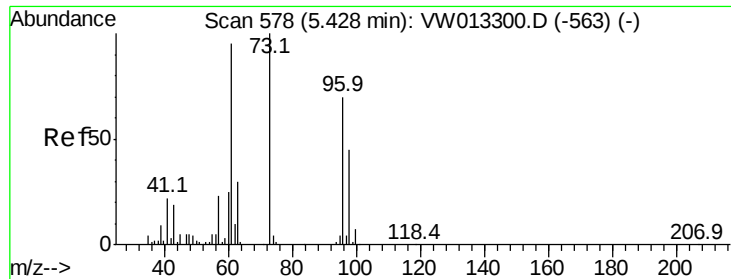
Tgt Ion: 43 Resp: 7765
Ion Ratio Lower Upper
43 100
74 22.7 18.7 28.1



#16
Methylene chloride
Concen: 4.185 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW013298.D
Acq: 26 Sep 2019 10:01

Tgt Ion: 84 Resp: 30484
Ion Ratio Lower Upper
84 100
49 129.4 84.8 157.4
86 62.3 44.0 81.6

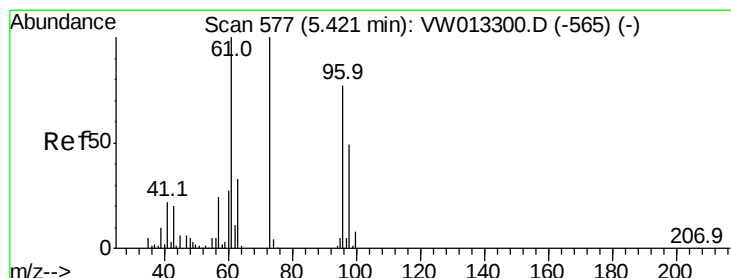
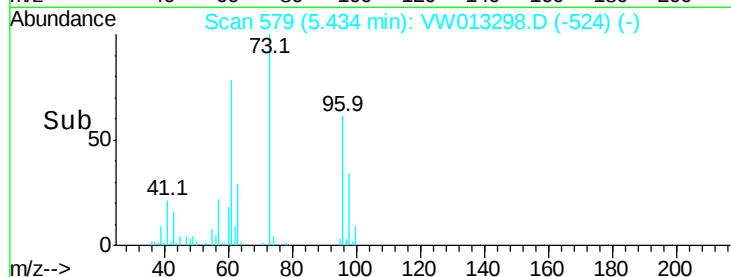
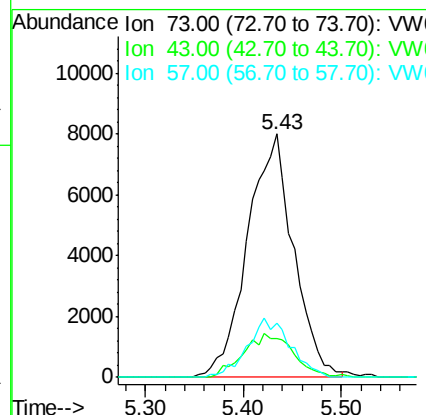
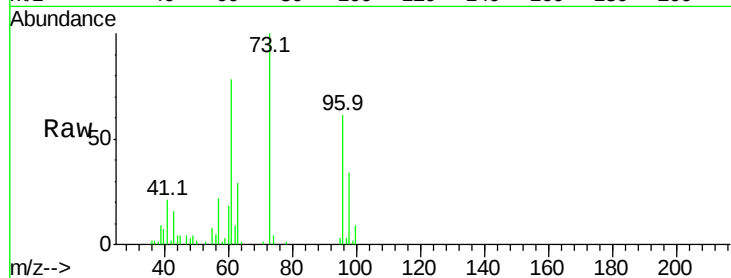




#17
Methyl tert-butyl Ether
Concen: 2.362 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW013298.D
Acq: 26 Sep 2019 10:01

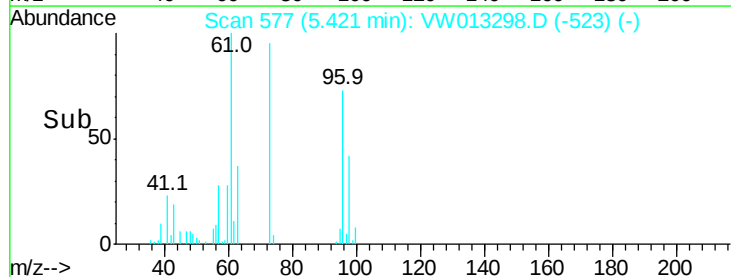
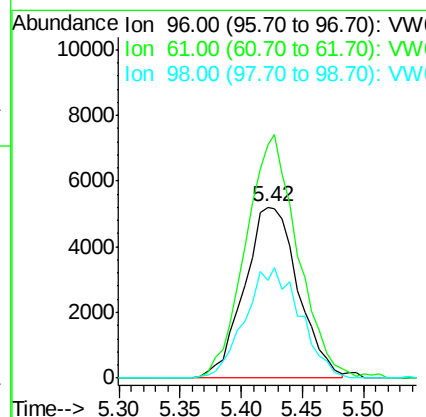
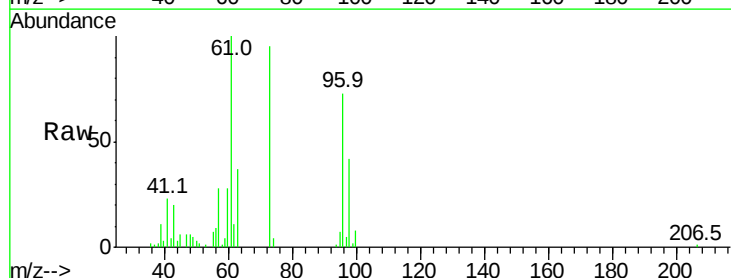
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

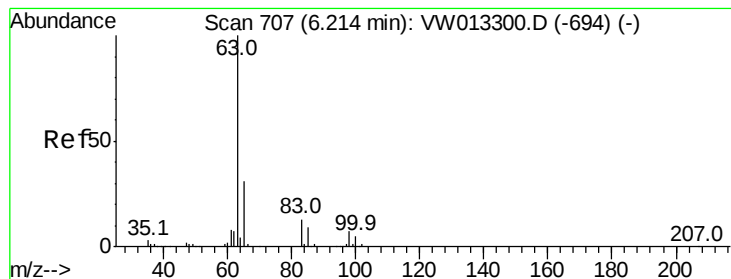
Tgt Ion: 73 Resp: 26148
Ion Ratio Lower Upper
73 100
43 7.9 15.3 22.9#
57 13.0 18.2 27.4#



#18
trans-1,2-Dichloroethene
Concen: 2.336 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013298.D
Acq: 26 Sep 2019 10:01

Tgt Ion: 96 Resp: 15939
Ion Ratio Lower Upper
96 100
61 136.1 91.2 169.4
98 57.3 44.7 82.9





#19

1,1-Dichloroethane

Concen: 2.173 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013298.D

Acq: 26 Sep 2019 10:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

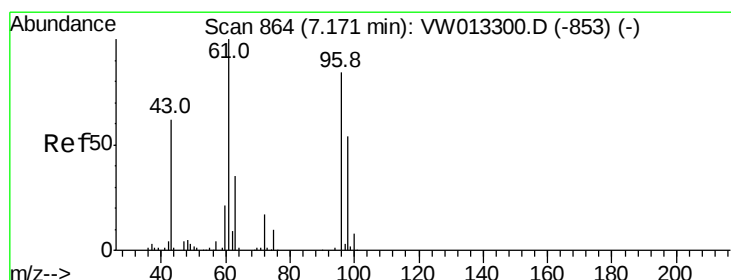
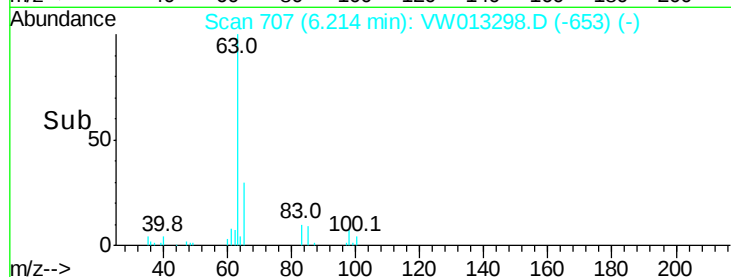
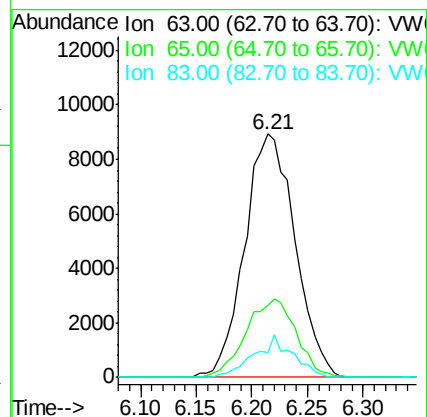
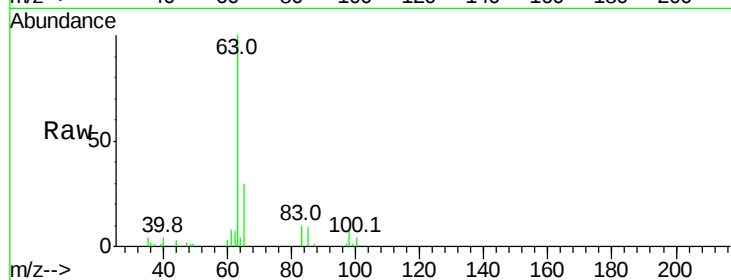
Tgt Ion: 63 Resp: 28092

Ion Ratio Lower Upper

63 100

65 29.8 21.8 40.4

83 10.1 9.3 17.3



#21

2-Butanone

Concen: 6.113 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013298.D

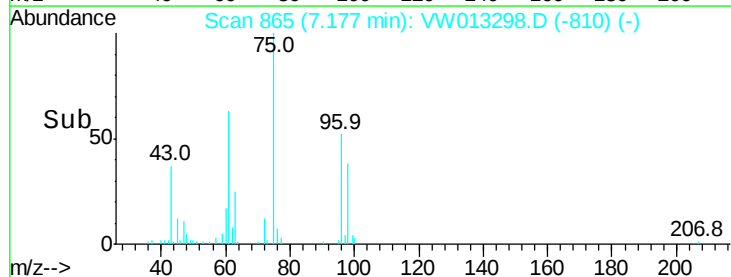
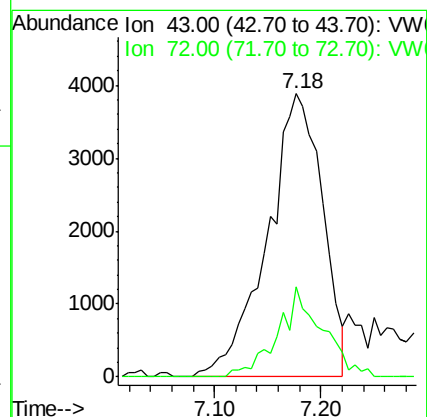
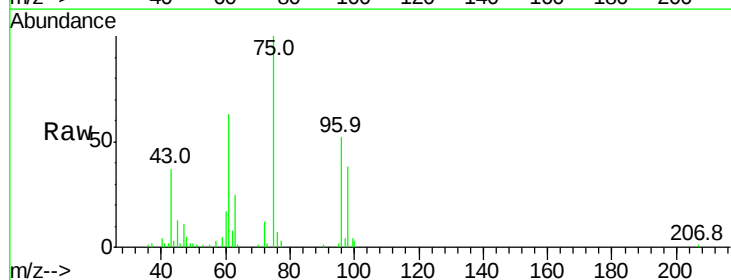
Acq: 26 Sep 2019 10:01

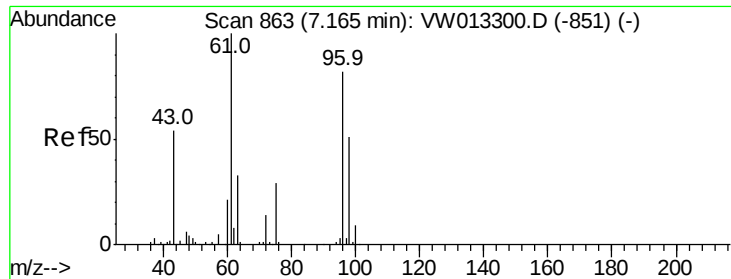
Tgt Ion: 43 Resp: 13924

Ion Ratio Lower Upper

43 100

72 13.7 13.2 39.6



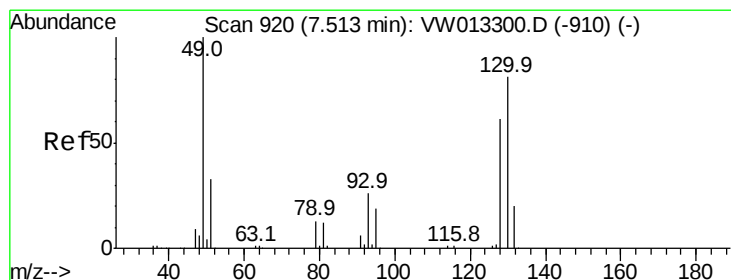
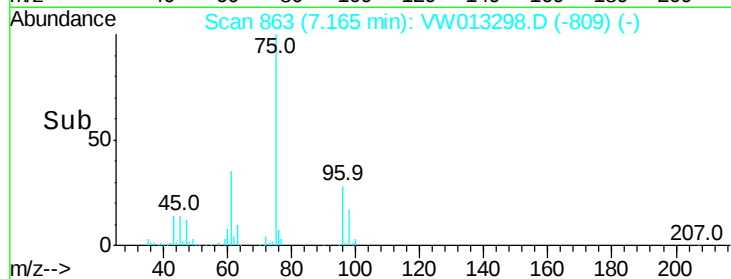
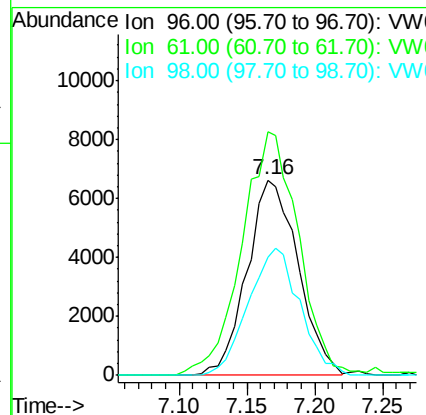
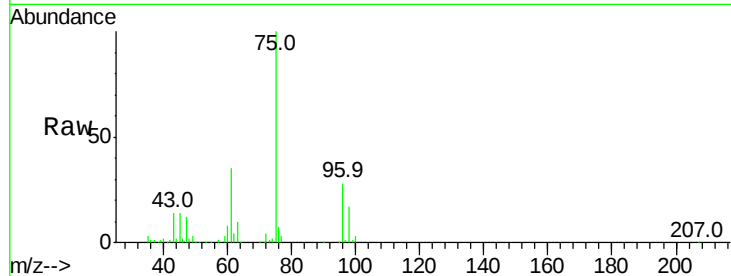


#22

cis-1,2-Dichloroethene
Concen: 2.405 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013298.D
Acq: 26 Sep 2019 10:01

Instrument :
MSVOA_W
ClientSampled :
VSTD2.501

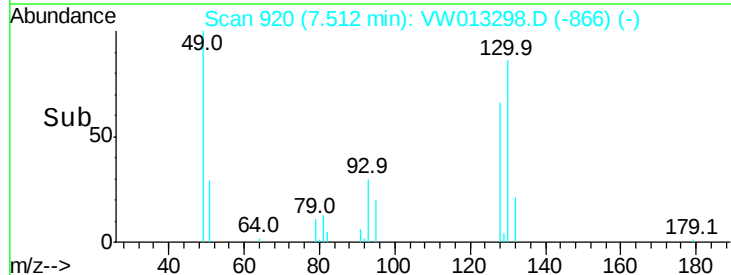
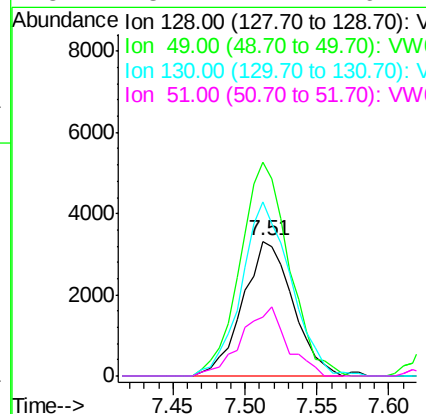
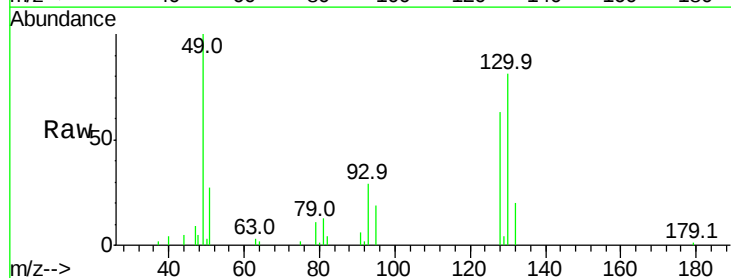
Tgt Ion: 96 Resp: 17406
Ion Ratio Lower Upper
96 100
61 124.6 86.0 159.6
98 60.3 43.5 80.9

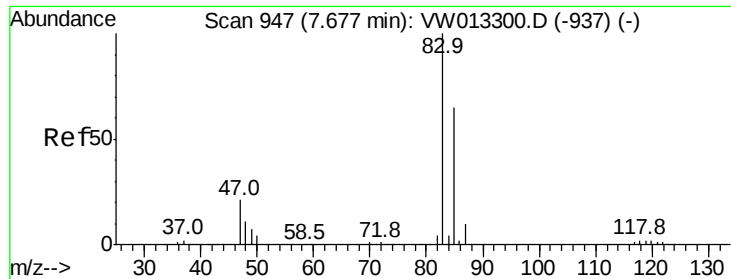


#23

Bromochloromethane
Concen: 2.547 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013298.D
Acq: 26 Sep 2019 10:01

Tgt Ion: 128 Resp: 7988
Ion Ratio Lower Upper
128 100
49 158.6 114.6 212.8
130 129.1 92.6 172.0
51 43.4 42.7 64.1

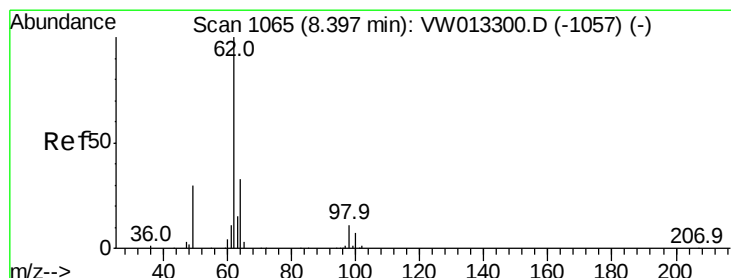
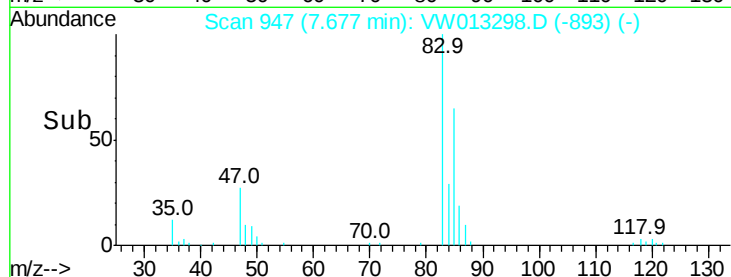
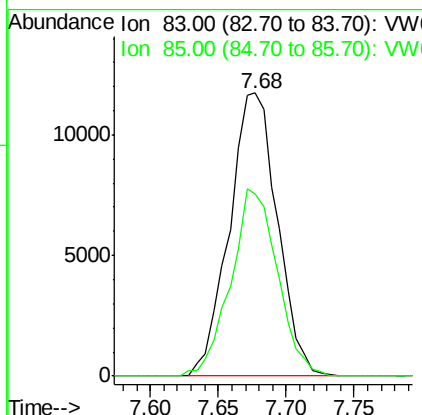
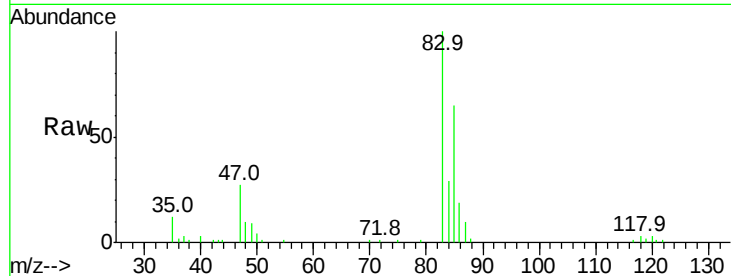




#25
Chloroform
Concen: 2.222 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013298.D
Acq: 26 Sep 2019 10:01

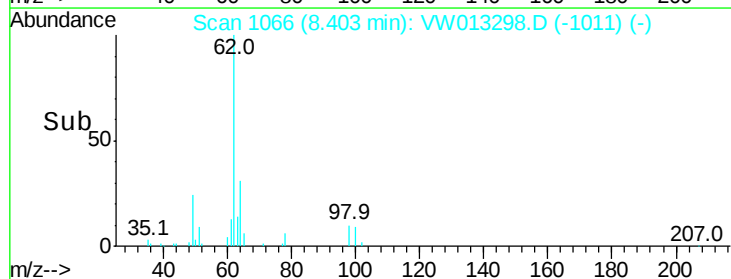
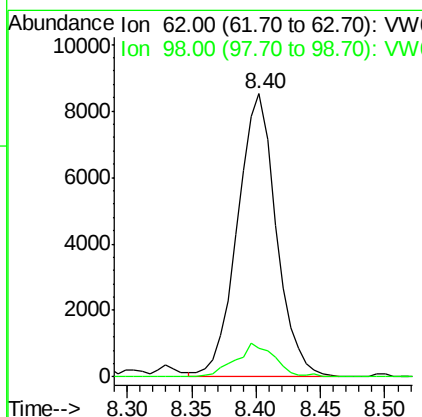
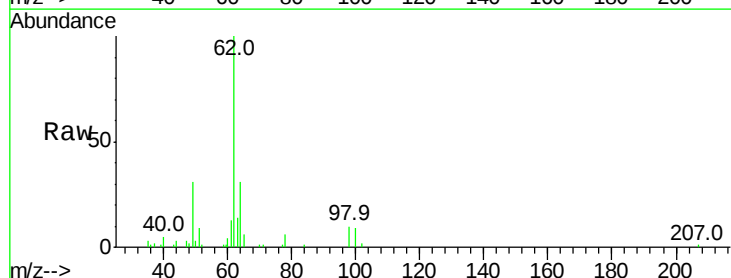
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

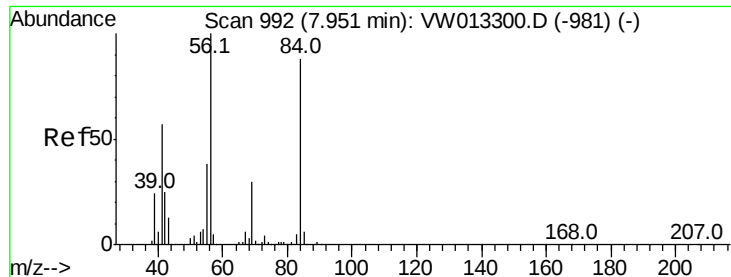
Tgt Ion: 83 Resp: 28932
Ion Ratio Lower Upper
83 100
85 64.4 45.9 85.3



#27
1,2-Dichloroethane
Concen: 2.025 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW013298.D
Acq: 26 Sep 2019 10:01

Tgt Ion: 62 Resp: 17814
Ion Ratio Lower Upper
62 100
98 10.3 9.0 13.6

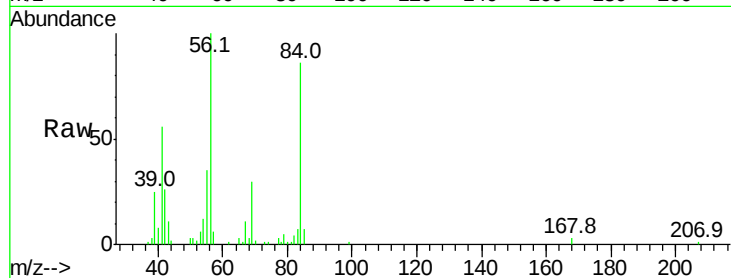




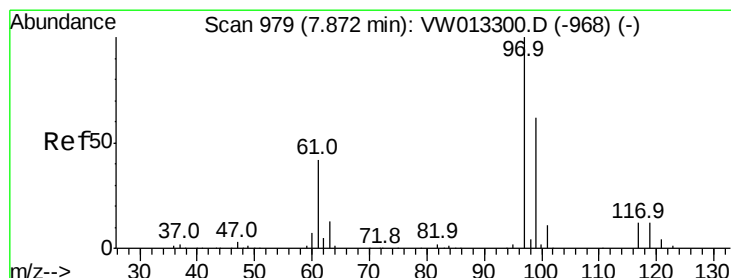
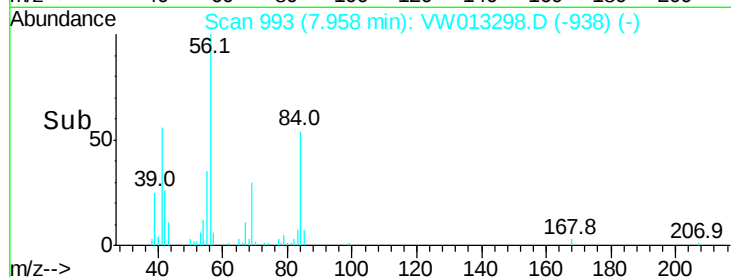
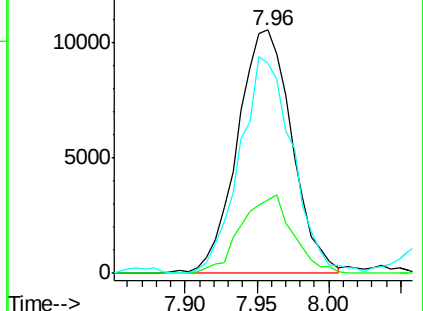
#30
Cyclohexane
Concen: 2.164 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW013298.D
Acq: 26 Sep 2019 10:01

Instrument :
MSVOA_W
ClientSampled :
VSTD2.501

Tgt Ion: 56 Resp: 27604
Ion Ratio Lower Upper
56 100
69 30.7 24.6 37.0
84 86.8 69.5 104.3

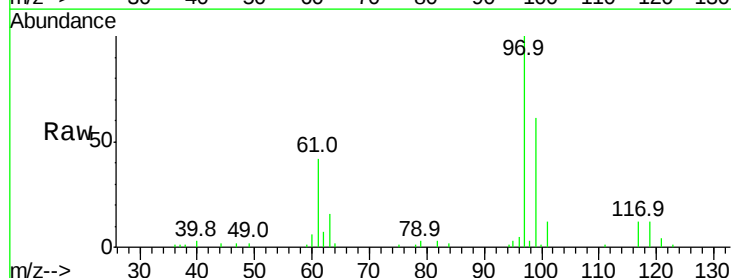


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

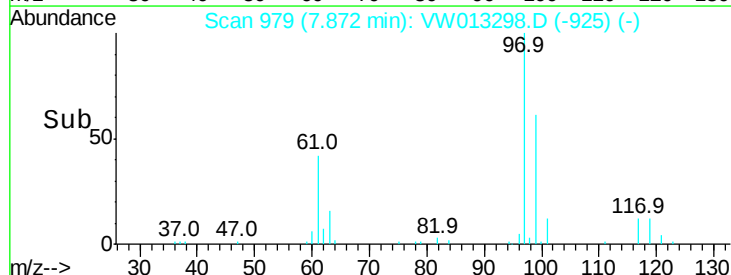
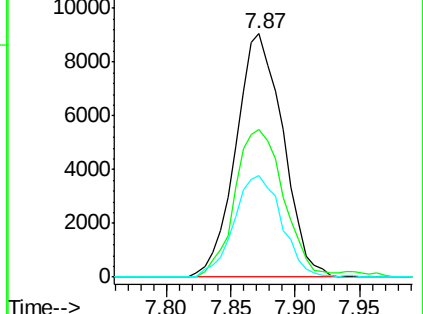


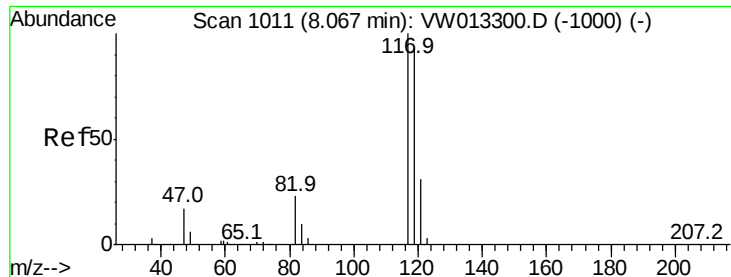
#31
1,1,1-Trichloroethane
Concen: 2.112 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013298.D
Acq: 26 Sep 2019 10:01

Tgt Ion: 97 Resp: 23036
Ion Ratio Lower Upper
97 100
99 62.9 50.6 75.8
61 42.0 34.2 51.2



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: 2.113 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW013298.D

Acq: 26 Sep 2019 10:01

Instrument :

MSVOA_W

ClientSampleId :

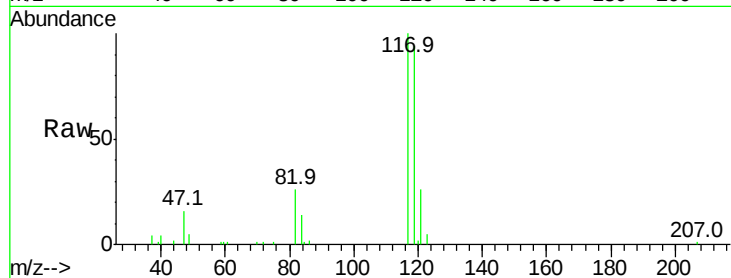
VSTD2.501

Tgt Ion:117 Resp: 21523

Ion Ratio Lower Upper

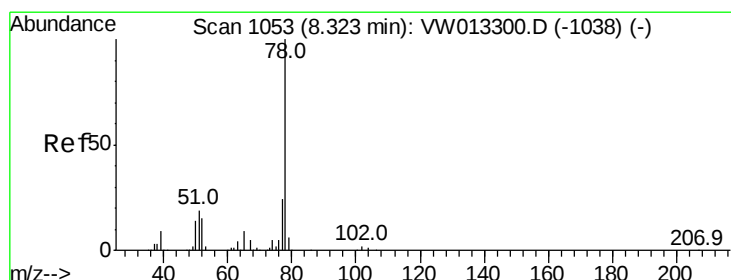
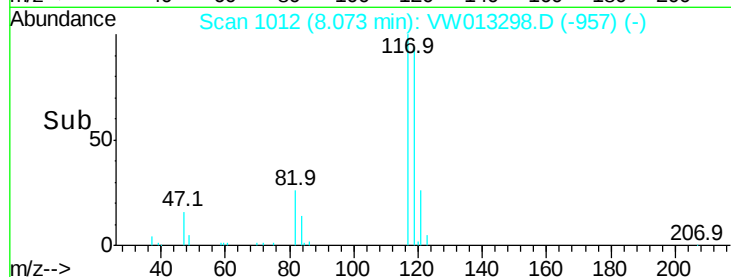
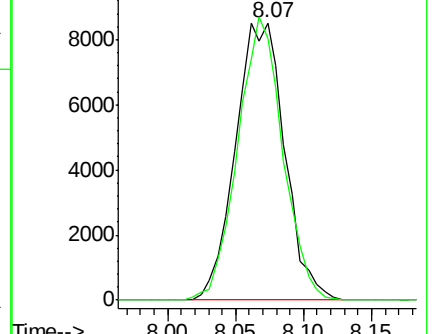
117 100

119 93.3 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.308 ug/L

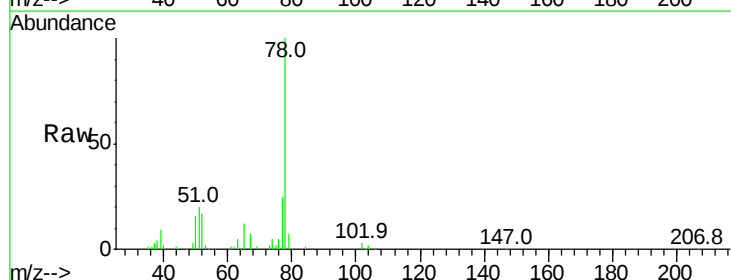
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

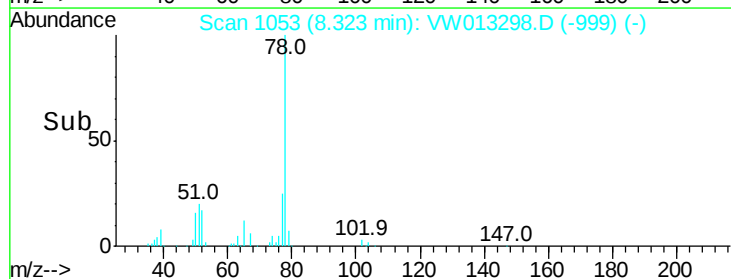
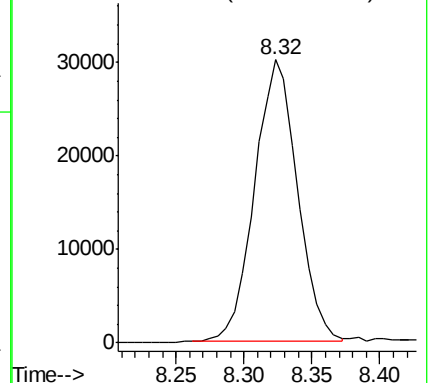
Lab File: VW013298.D

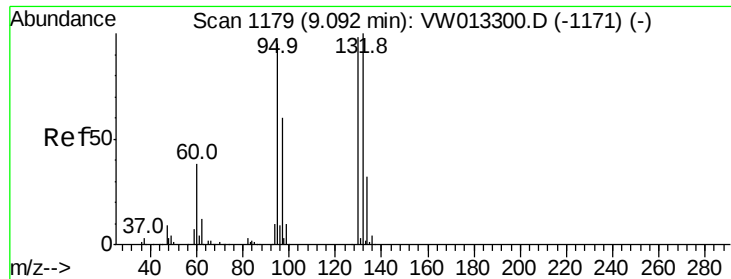
Acq: 26 Sep 2019 10:01

Tgt Ion: 78 Resp: 66418



Abundance Ion 78.00 (77.70 to 78.70): VW

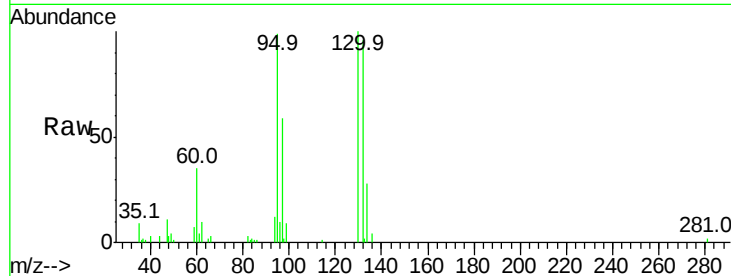




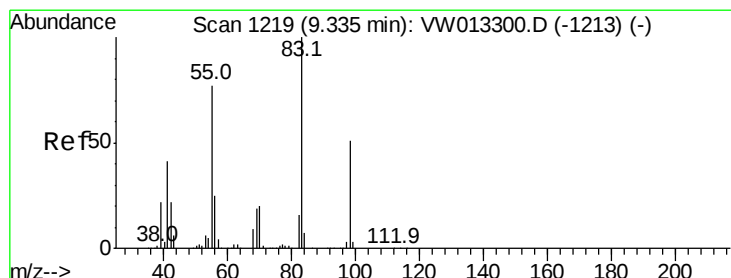
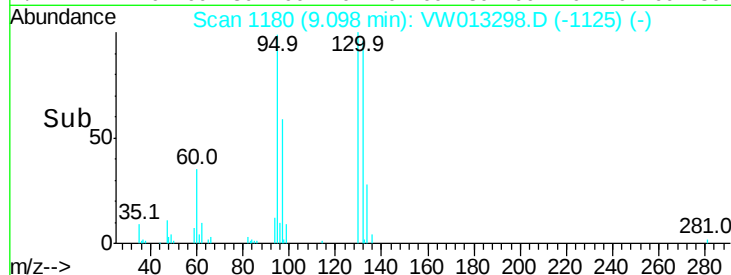
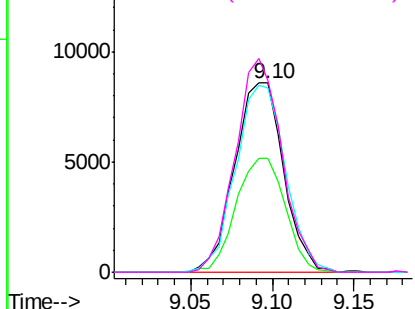
#35
 Trichloroethene
 Concen: 2.354 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW013298.D
 Acq: 26 Sep 2019 10:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

Tgt Ion: 95 Resp: 17877
 Ion Ratio Lower Upper
 95 100
 97 60.6 44.3 82.3
 132 100.7 71.7 133.3
 130 108.0 74.1 137.7

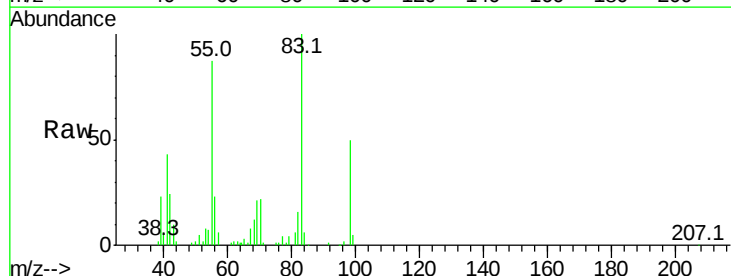


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

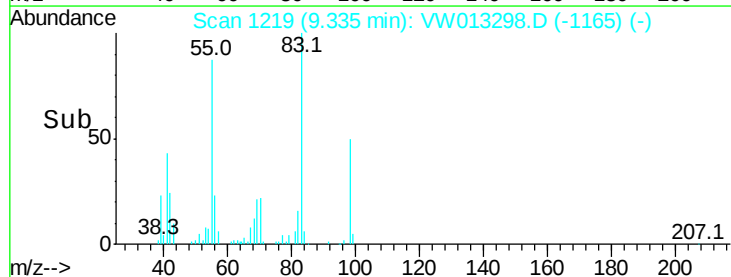
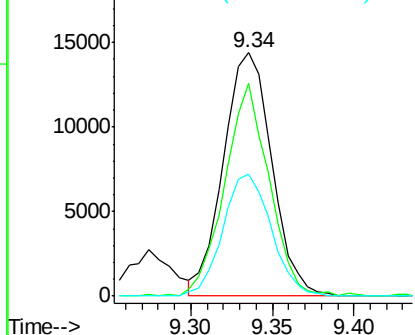


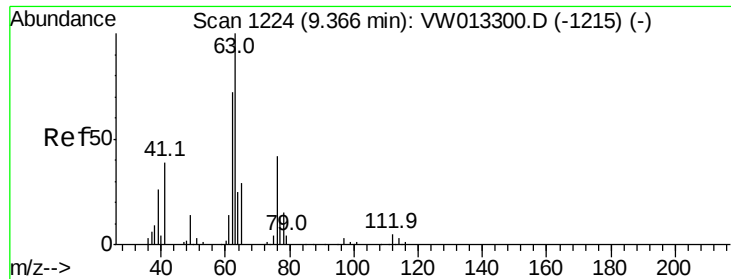
#36
 Methylcyclohexane
 Concen: 2.274 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013298.D
 Acq: 26 Sep 2019 10:01

Tgt Ion: 83 Resp: 29863
 Ion Ratio Lower Upper
 83 100
 55 79.3 61.8 92.6
 98 50.0 39.6 59.4



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

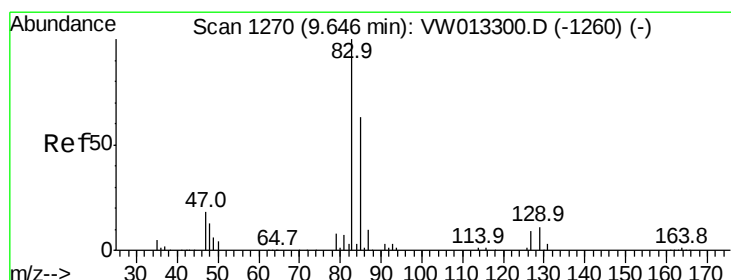
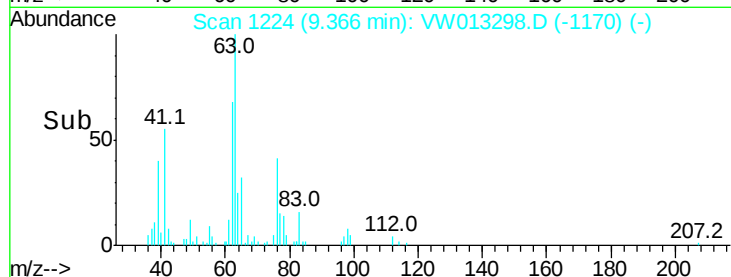
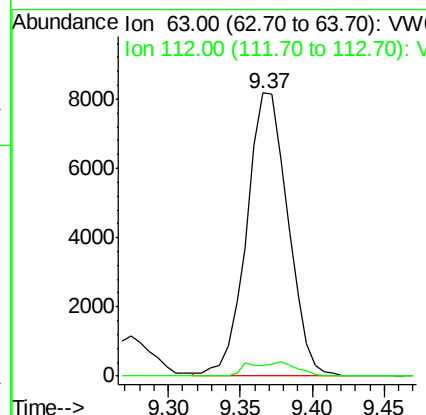
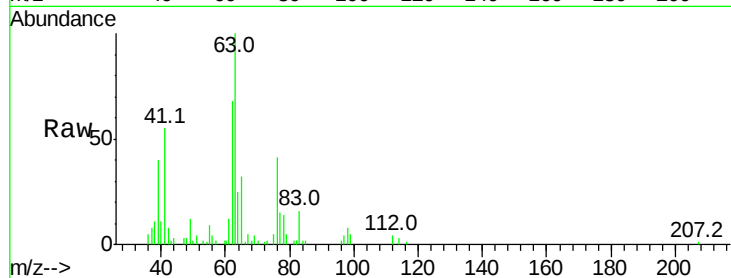




#40
 1,2-Dichloropropane
 Concen: 2.250 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013298.D
 Acq: 26 Sep 2019 10:01

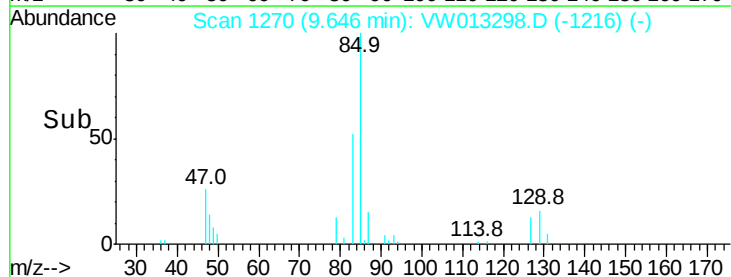
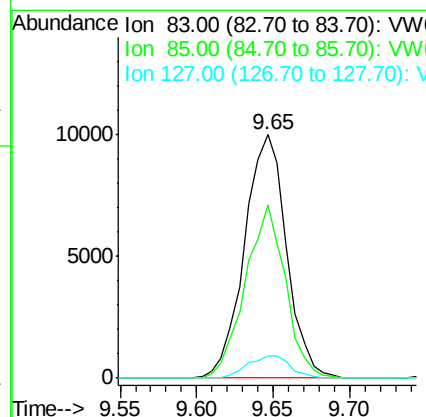
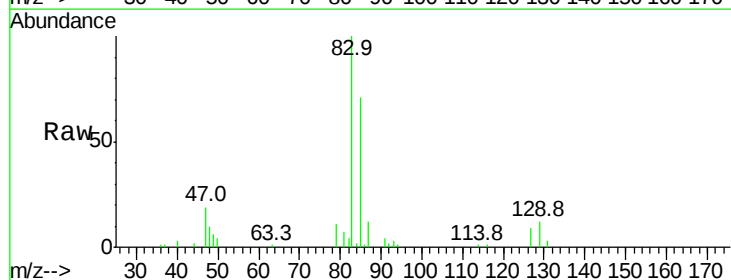
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

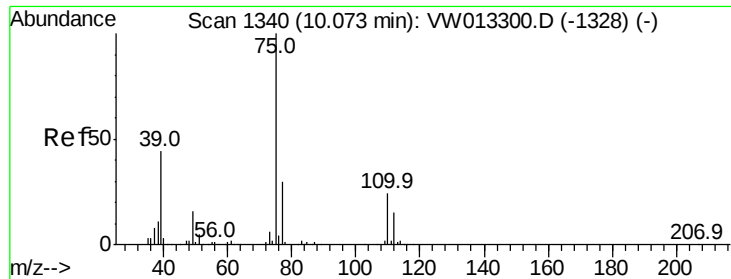
Tgt Ion: 63 Resp: 16289
 Ion Ratio Lower Upper
 63 100
 112 2.4 4.1 6.1#



#41
 Bromodichloromethane
 Concen: 2.069 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW013298.D
 Acq: 26 Sep 2019 10:01

Tgt Ion: 83 Resp: 19077
 Ion Ratio Lower Upper
 83 100
 85 71.1 43.8 81.4
 127 9.1 7.0 10.6





#42

cis-1,3-Dichloroprene

Concen: 2.174 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013298.D

Acq: 26 Sep 2019 10:01

Instrument :

MSVOA_W

ClientSampleId :

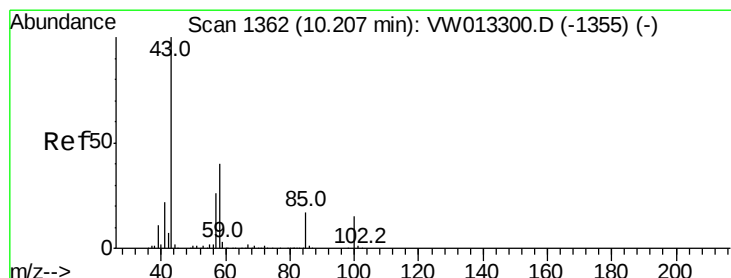
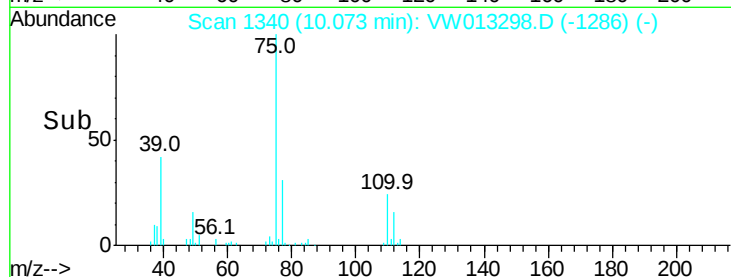
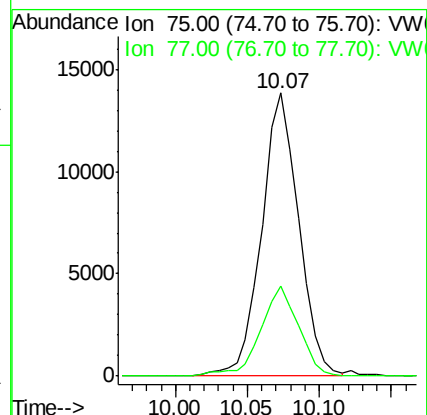
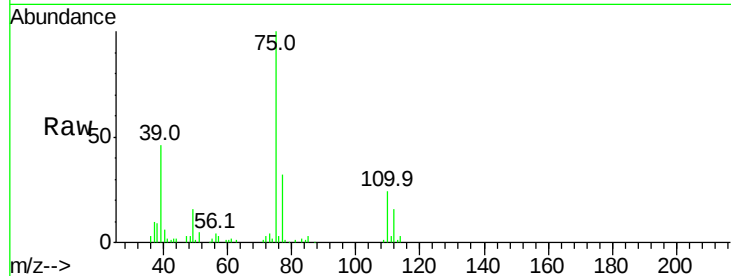
VSTD2.501

Tgt Ion: 75 Resp: 24724

Ion Ratio Lower Upper

75 100

77 31.9 21.3 39.5



#43

4-Methyl-2-pentanone

Concen: 5.088 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013298.D

Acq: 26 Sep 2019 10:01

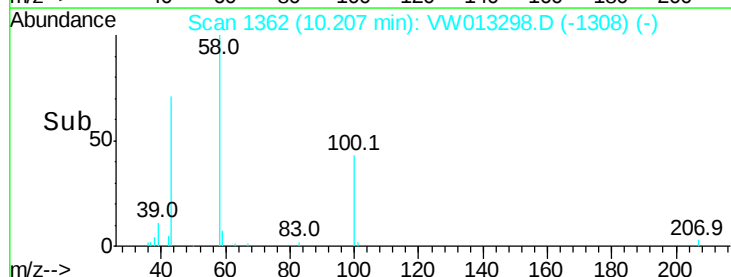
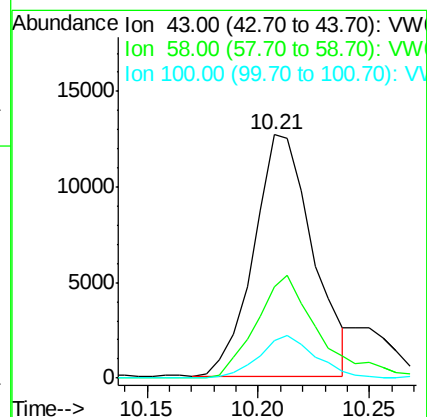
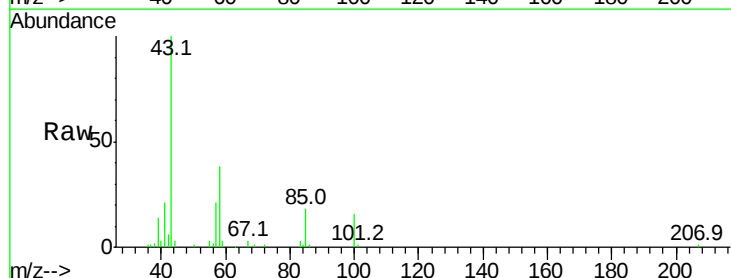
Tgt Ion: 43 Resp: 23427

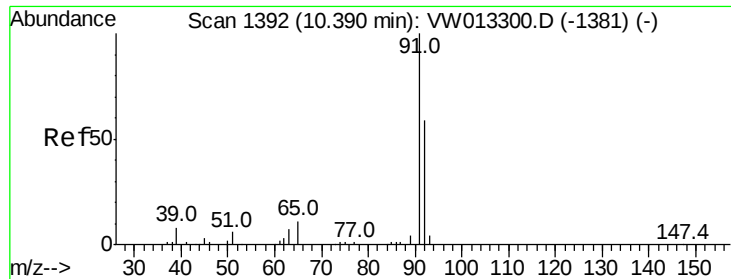
Ion Ratio Lower Upper

43 100

58 45.2 32.7 49.1

100 16.7 12.9 19.3





#44

Toluene

Concen: 2.360 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW013298.D

Acq: 26 Sep 2019 10:01

Instrument :

MSVOA_W

ClientSampleId :

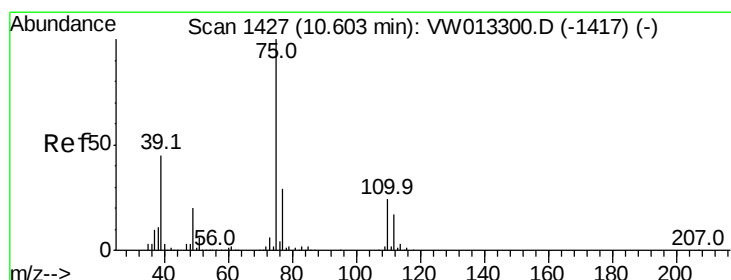
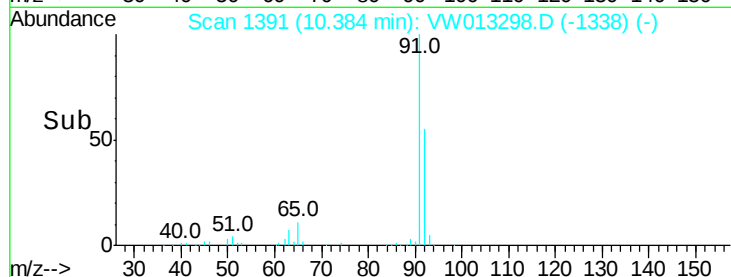
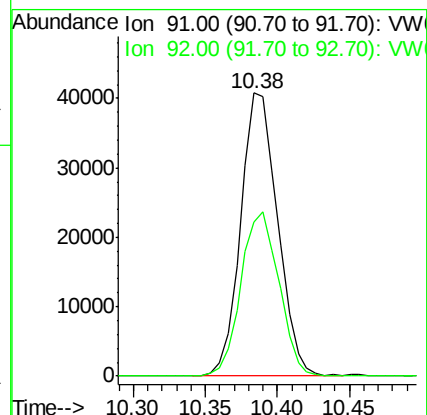
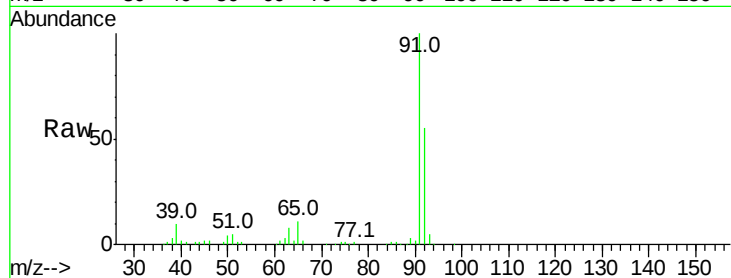
VSTD2.501

Tgt Ion: 91 Resp: 72664

Ion Ratio Lower Upper

91 100

92 54.7 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 2.060 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW013298.D

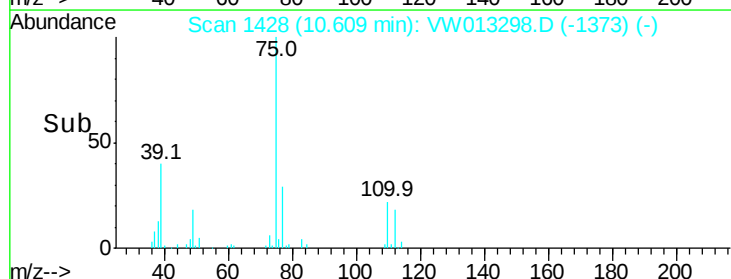
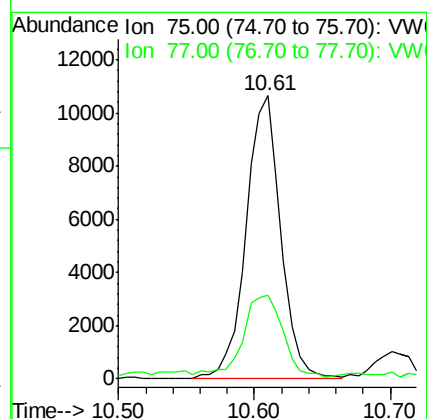
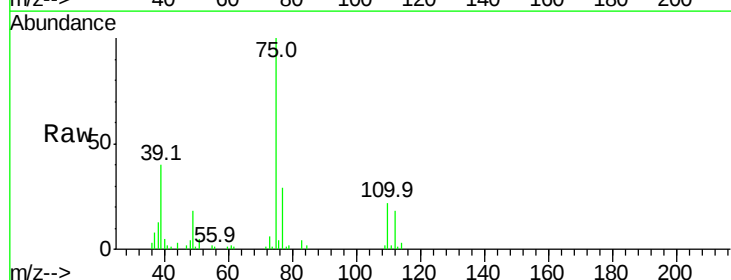
Acq: 26 Sep 2019 10:01

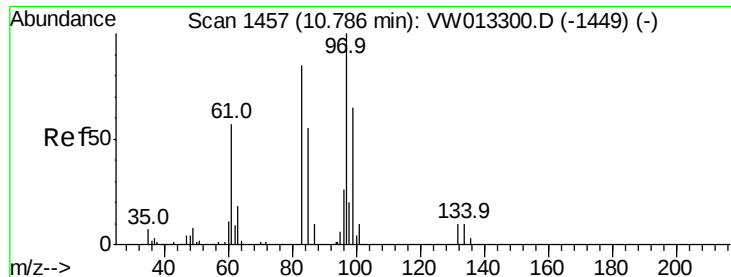
Tgt Ion: 75 Resp: 18989

Ion Ratio Lower Upper

75 100

77 29.4 20.5 38.1





#46

1,1,2-Trichloroethane

Concen: 2.630 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013298.D

Acq: 26 Sep 2019 10:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

Tgt Ion: 97 Resp: 12802

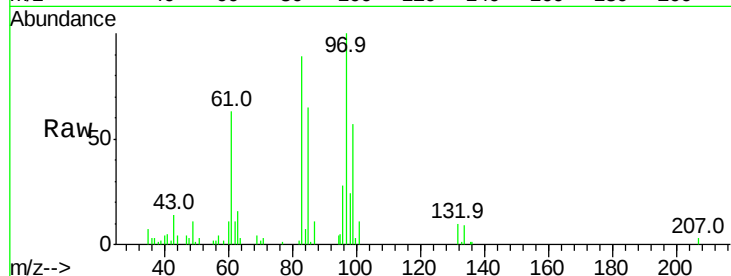
Ion Ratio Lower Upper

97 100

83 89.4 59.4 110.2

85 65.5 38.7 71.9

99 57.0 45.8 85.0

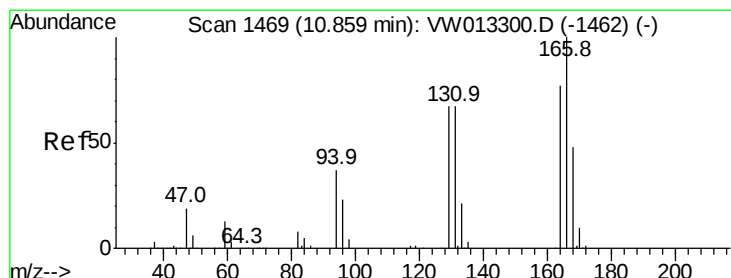
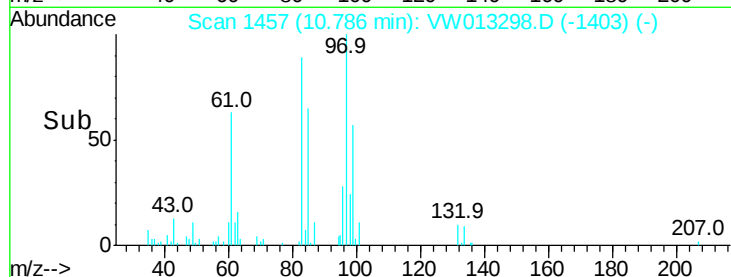
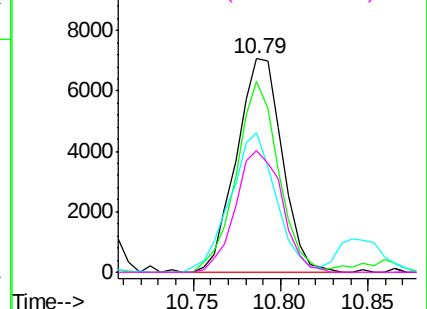


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 2.459 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW013298.D

Acq: 26 Sep 2019 10:01

Tgt Ion: 164 Resp: 16077

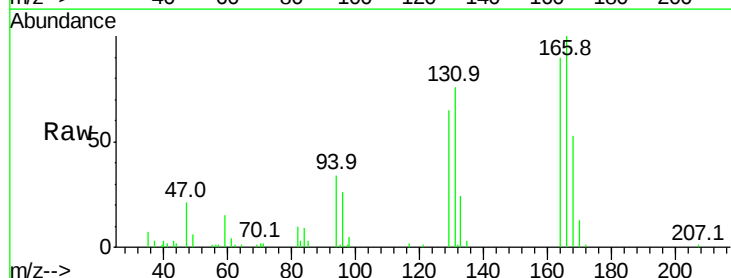
Ion Ratio Lower Upper

164 100

129 72.8 60.5 112.5

131 84.2 60.6 112.6

166 111.2 90.6 168.2

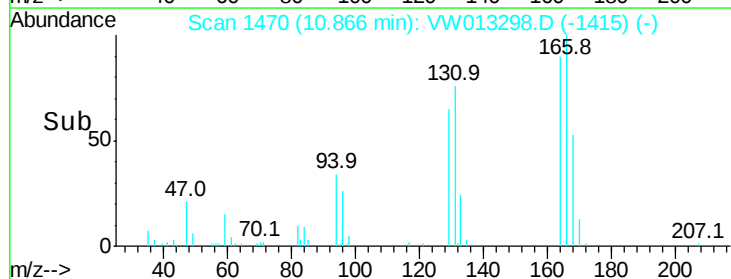
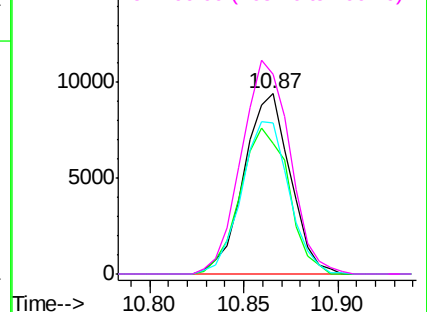


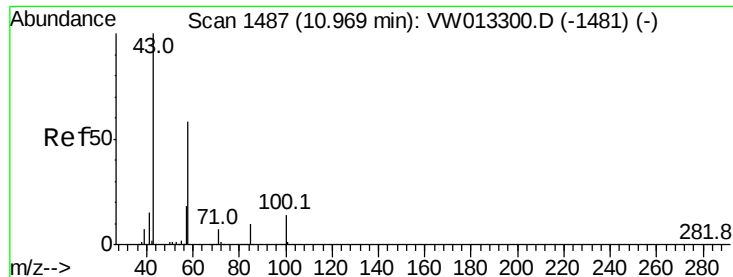
Abundance Ion 164.00 (163.70 to 164.70): V

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

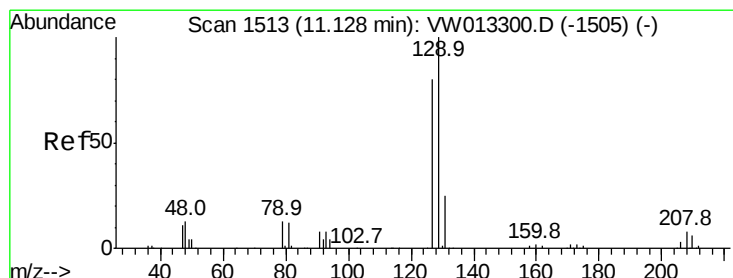
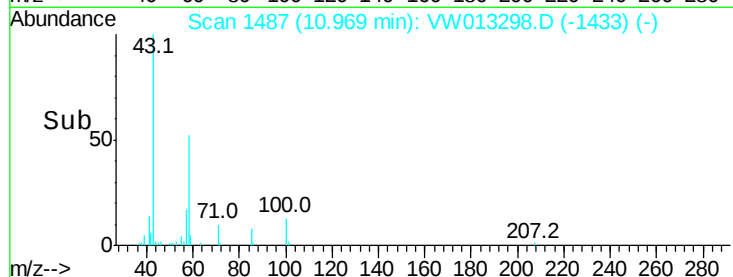
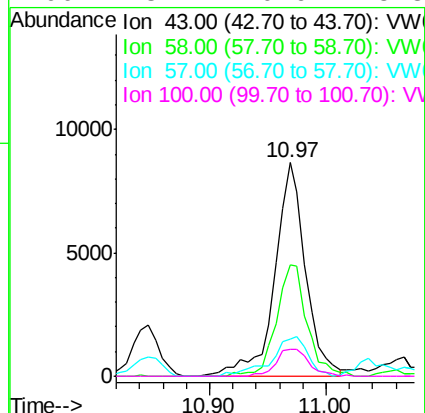
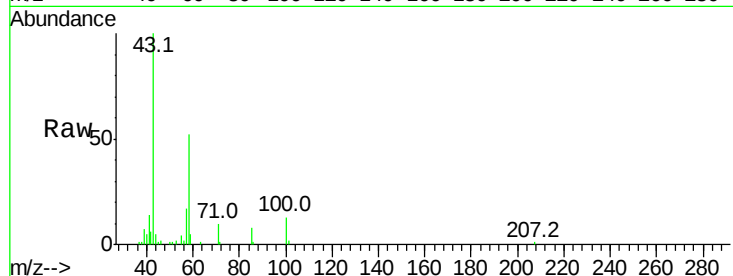




#49
2-Hexanone
Concen: 4.660 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013298.D
Acq: 26 Sep 2019 10:01

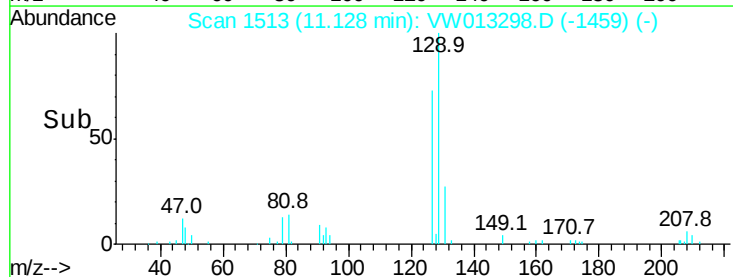
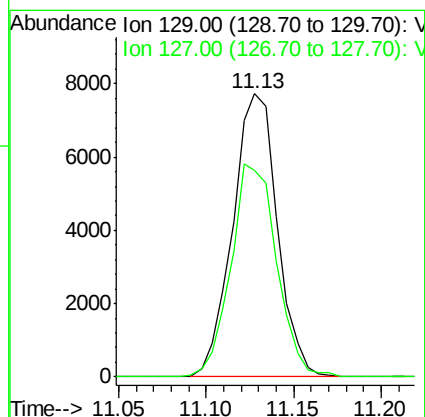
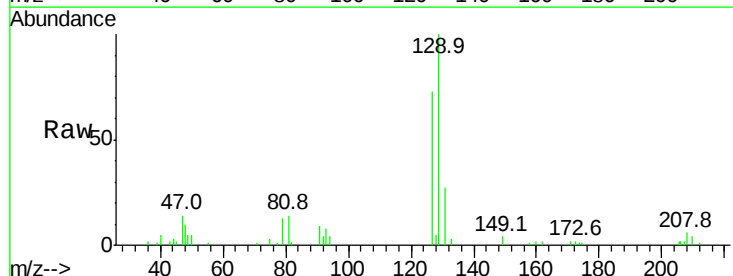
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

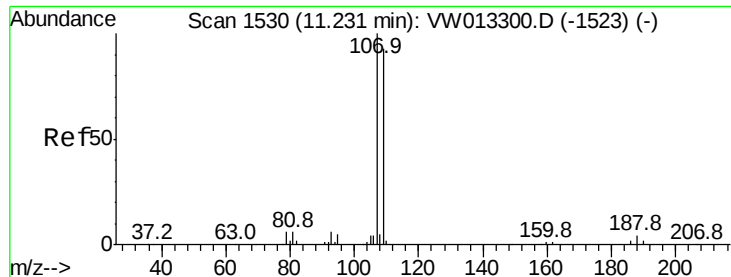
Tgt Ion:	43	Resp:	15862
Ion	Ratio	Lower	Upper
43	100		
58	51.0	44.3	66.5
57	18.1	15.3	22.9
100	13.4	10.6	15.8



#50
Dibromochloromethane
Concen: 2.316 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013298.D
Acq: 26 Sep 2019 10:01

Tgt Ion:	129	Resp:	13728
Ion	Ratio	Lower	Upper
129	100		
127	72.9	56.1	104.1

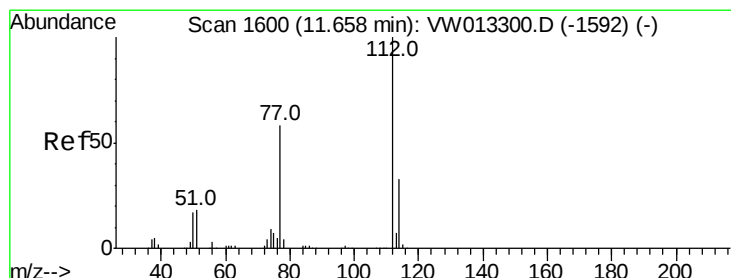
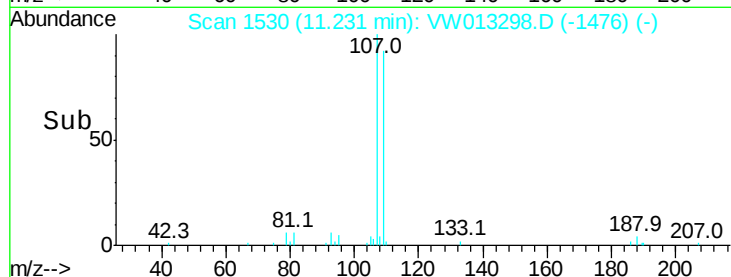
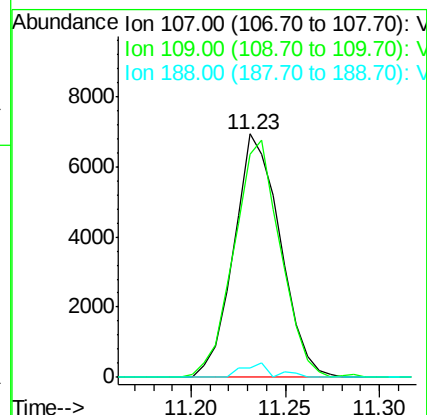
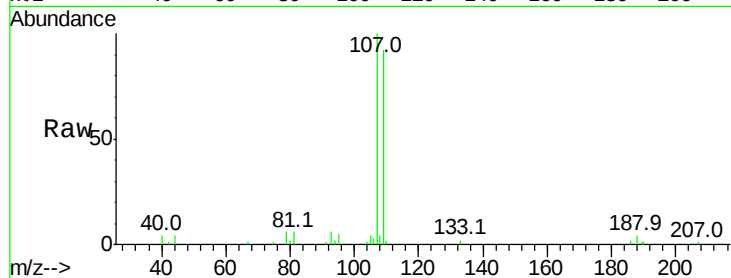




#51
 1,2-Dibromoethane
 Concen: 2.527 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013298.D
 Acq: 26 Sep 2019 10:01

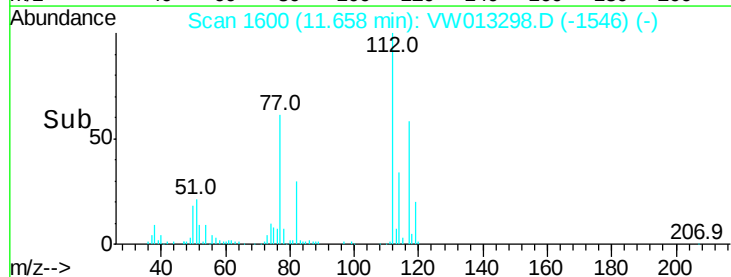
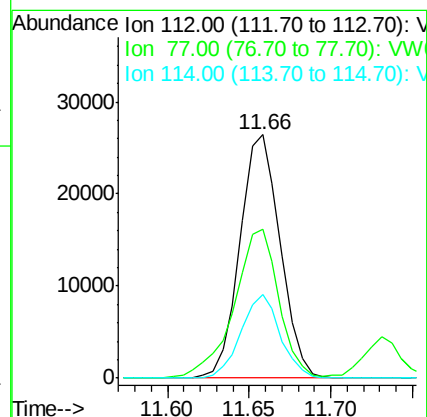
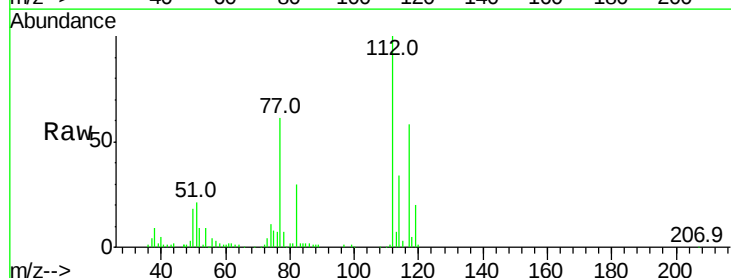
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

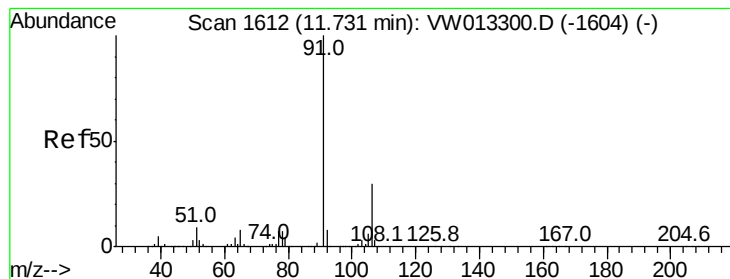
Tgt Ion:107 Resp: 11832
 Ion Ratio Lower Upper
 107 100
 109 91.8 65.5 121.6
 188 3.7 3.0 4.6



#52
 Chlorobenzene
 Concen: 2.364 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013298.D
 Acq: 26 Sep 2019 10:01

Tgt Ion:112 Resp: 45477
 Ion Ratio Lower Upper
 112 100
 77 61.2 46.5 69.7
 114 34.3 23.0 42.8





#53

Ethylbenzene

Concen: 2.273 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013298.D

Acq: 26 Sep 2019 10:01

Instrument :

MSVOA_W

ClientSampleId :

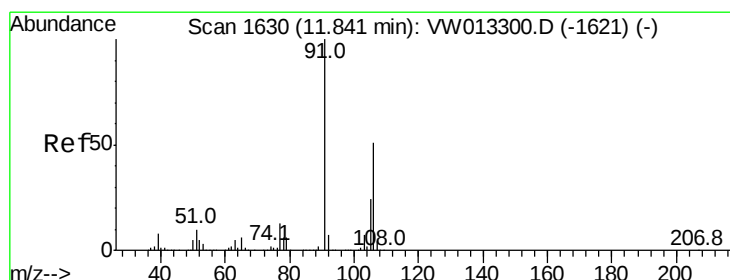
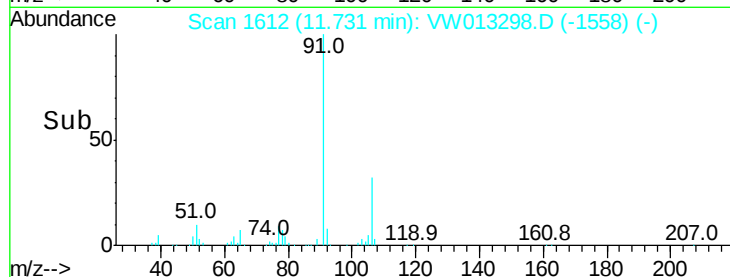
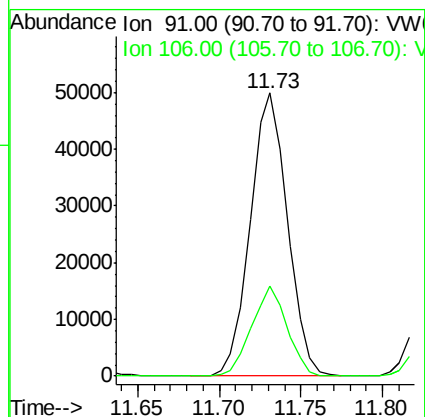
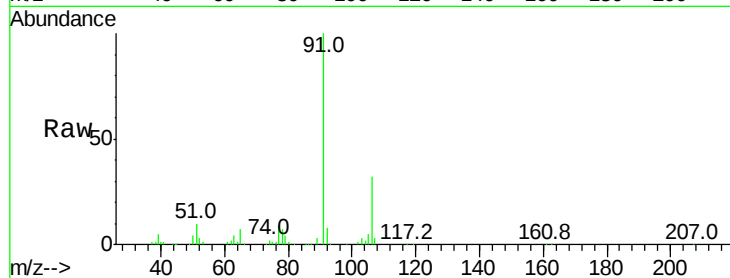
VSTD2.501

Tgt Ion: 91 Resp: 79426

Ion Ratio Lower Upper

91 100

106 32.0 20.8 38.6



#54

m,p-Xylene

Concen: 2.277 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013298.D

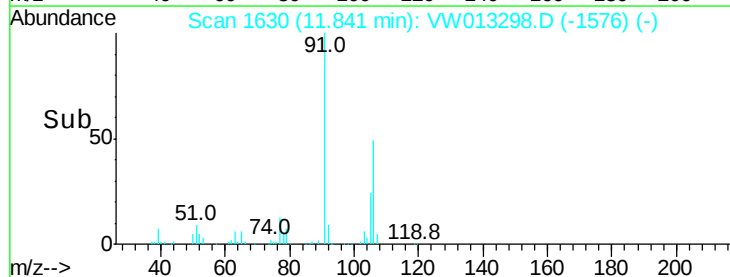
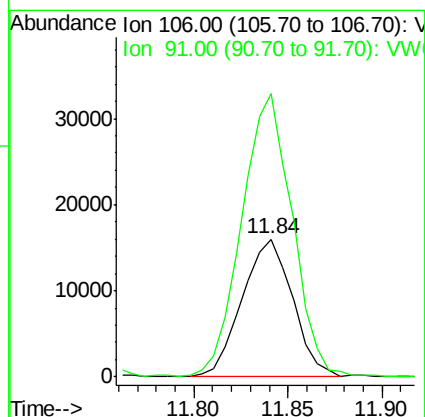
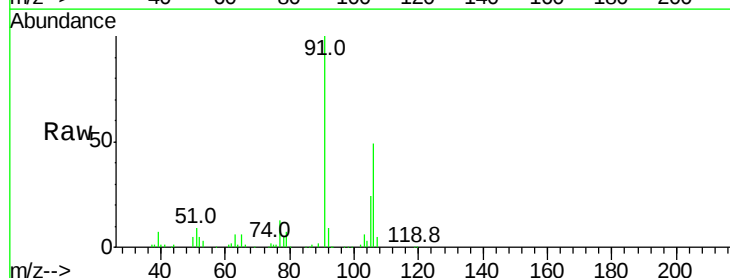
Acq: 26 Sep 2019 10:01

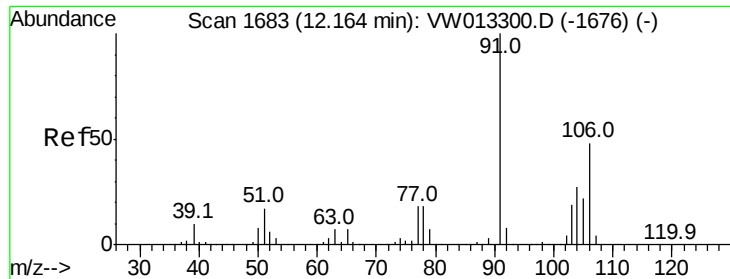
Tgt Ion:106 Resp: 29753

Ion Ratio Lower Upper

106 100

91 205.7 138.3 256.9

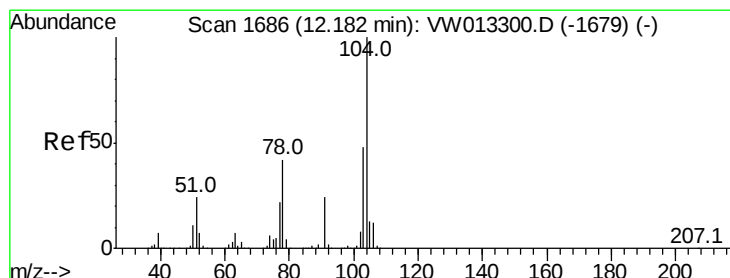
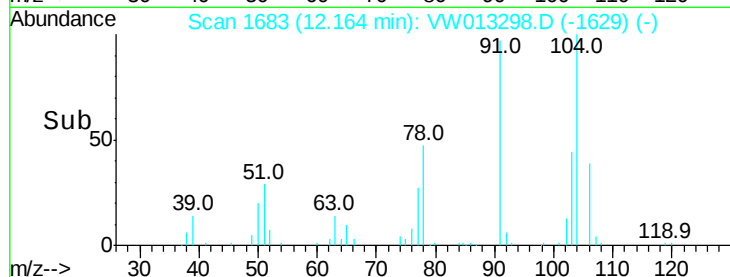
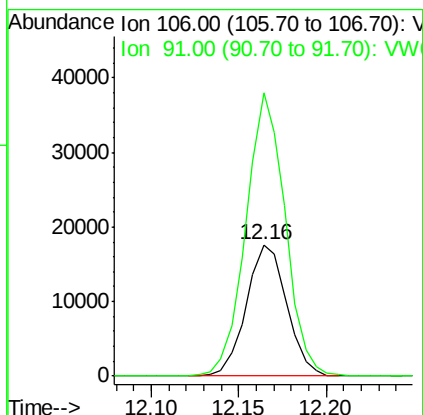
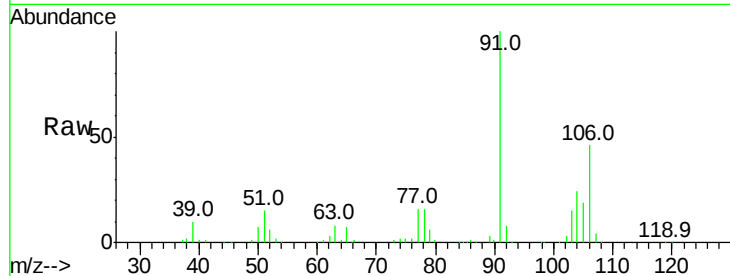




#55
o-xylene
Concen: 2.319 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013298.D
Acq: 26 Sep 2019 10:01

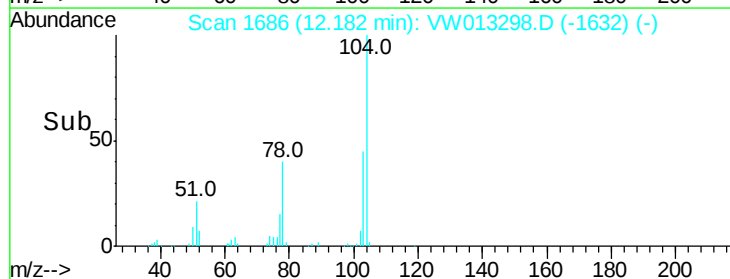
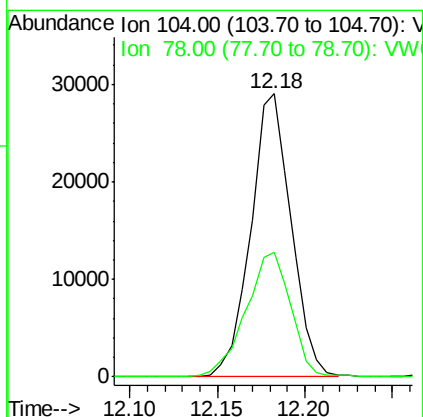
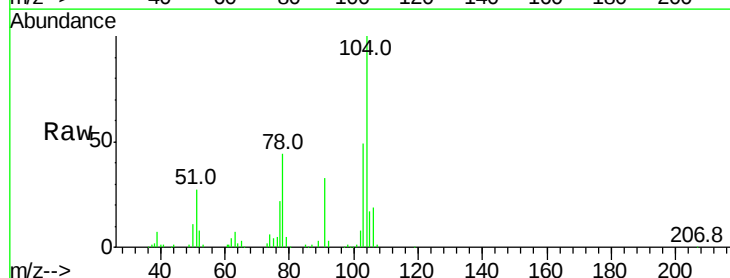
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

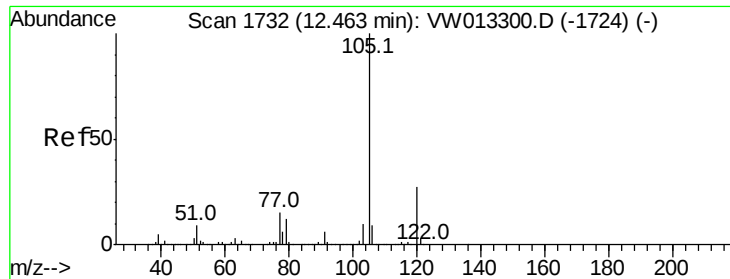
Tgt Ion:106 Resp: 28502
Ion Ratio Lower Upper
106 100
91 215.6 145.9 271.1



#56
Styrene
Concen: 2.228 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013298.D
Acq: 26 Sep 2019 10:01

Tgt Ion:104 Resp: 46600
Ion Ratio Lower Upper
104 100
78 44.0 29.8 55.4





#57

Isopropylbenzene

Concen: 2.264 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013298.D

Acq: 26 Sep 2019 10:01

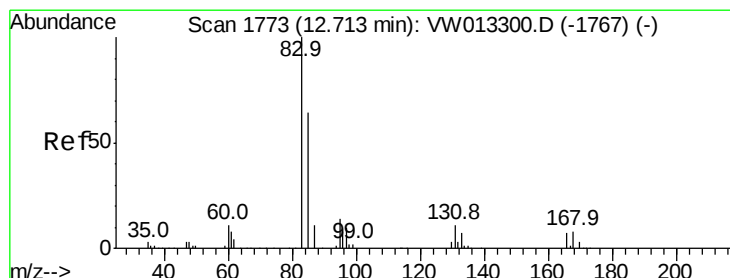
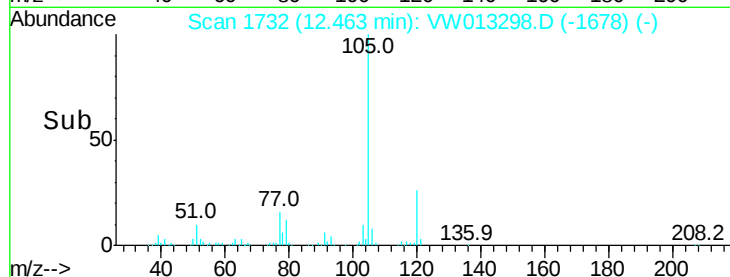
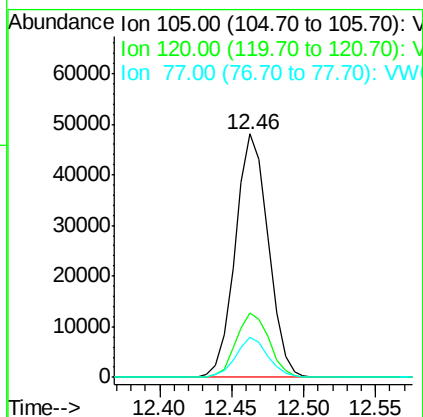
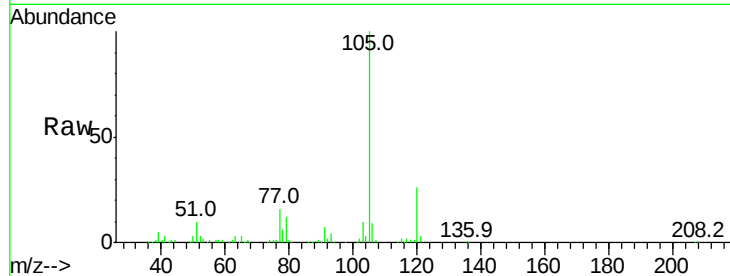
Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

Tgt Ion:	105	Resp:	76407
Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.4	32.2
77	16.1	11.8	17.6



#58

1,1,2,2-Tetrachloroethane

Concen: 2.649 ug/L

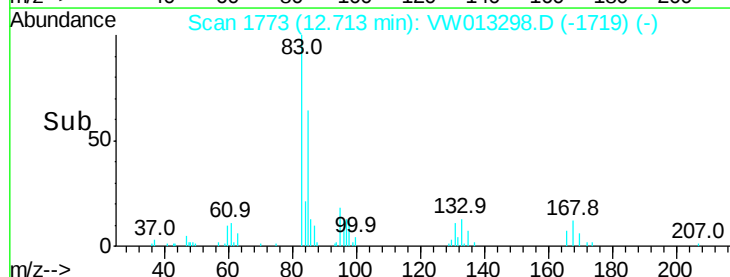
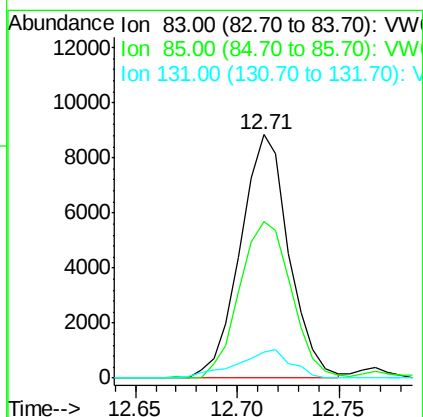
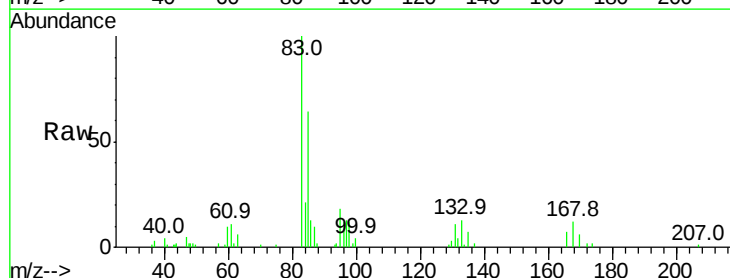
RT: 12.71 min Scan# 1773

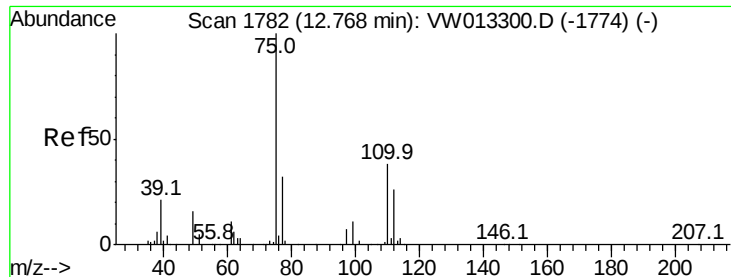
Delta R.T. -0.00 min

Lab File: VW013298.D

Acq: 26 Sep 2019 10:01

Tgt Ion:	83	Resp:	14666
Ion	Ratio	Lower	Upper
83	100		
85	64.4	45.2	84.0
131	10.8	8.9	13.3

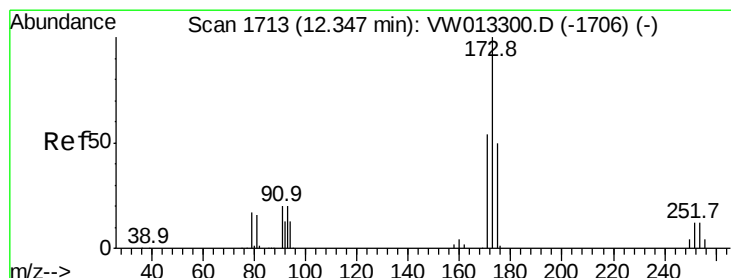
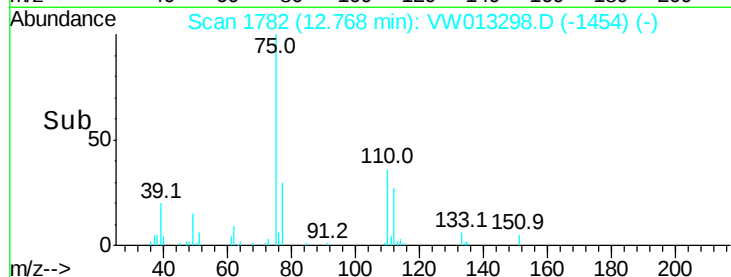
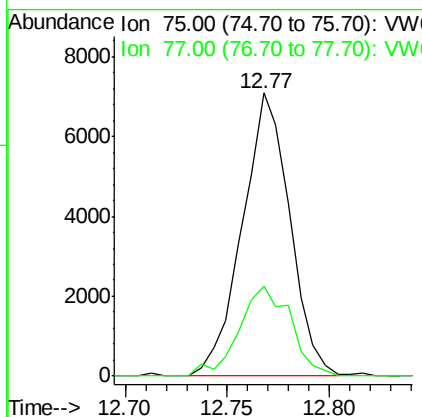
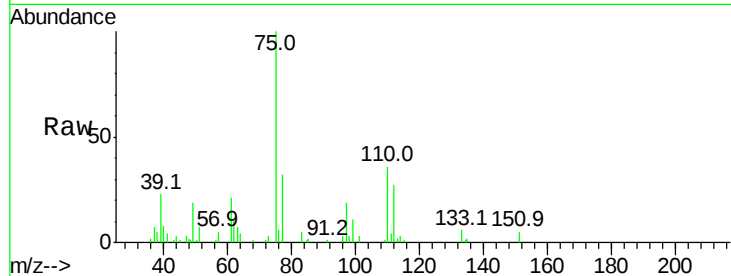




#59
 1,2,3-Trichloropropane
 Concen: 2.693 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013298.D
 Acq: 26 Sep 2019 10:01

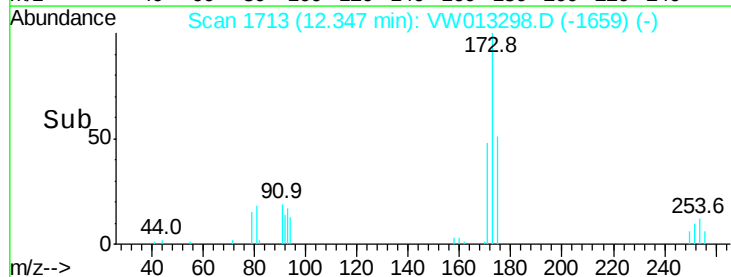
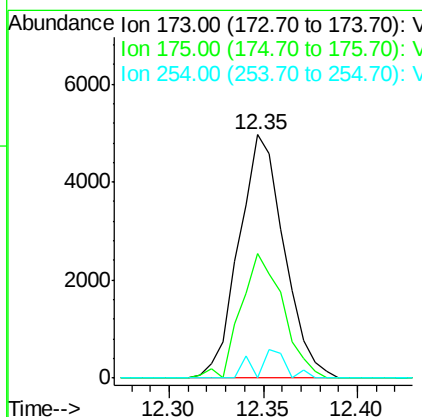
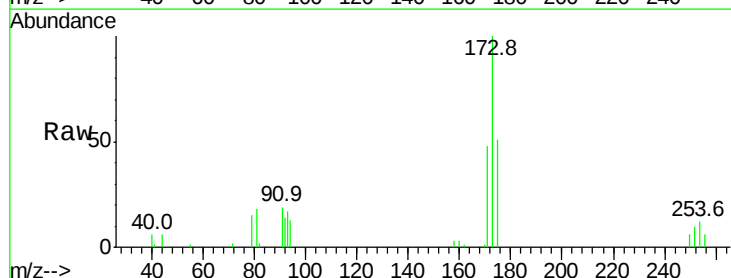
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

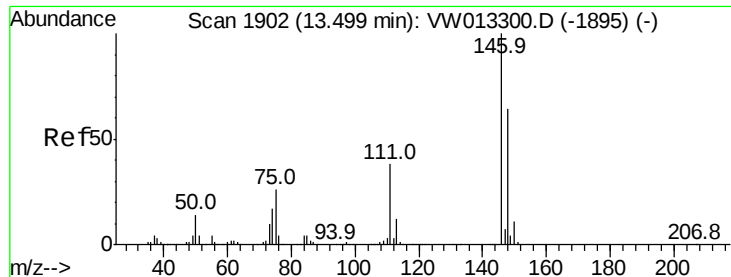
Tgt Ion: 75 Resp: 11490
 Ion Ratio Lower Upper
 75 100
 77 34.3 25.8 38.8



#62
 Bromoform
 Concen: 2.474 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013298.D
 Acq: 26 Sep 2019 10:01

Tgt Ion: 173 Resp: 8271
 Ion Ratio Lower Upper
 173 100
 175 46.7 39.3 58.9
 254 4.8 9.1 13.7#

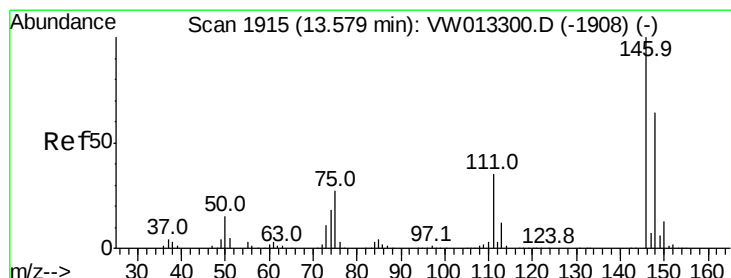
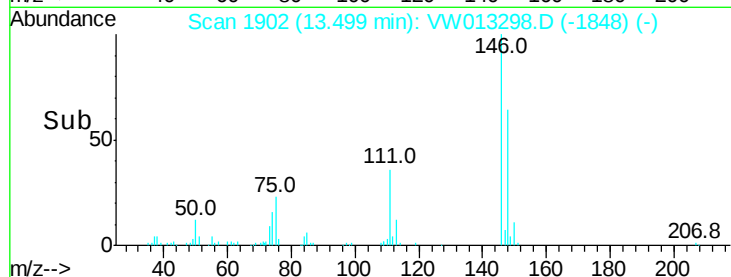
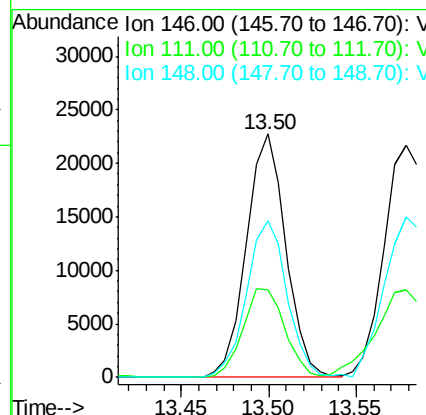
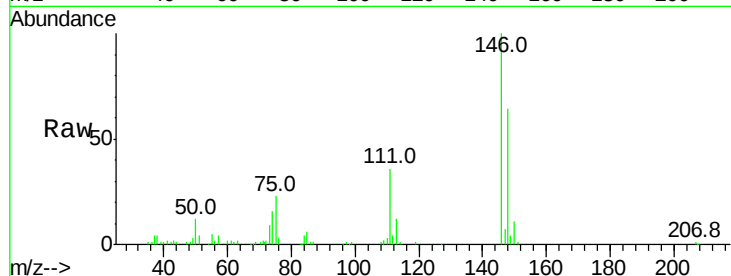




#63
 1,3-Dichlorobenzene
 Concen: 2.399 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013298.D
 Acq: 26 Sep 2019 10:01

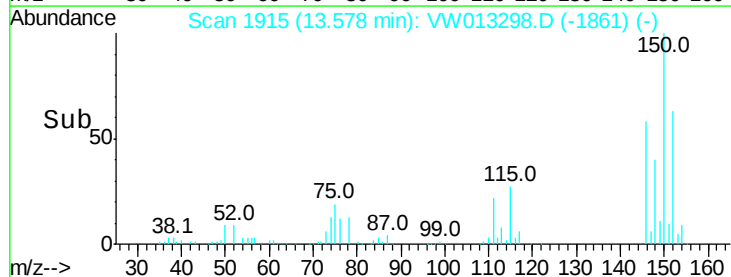
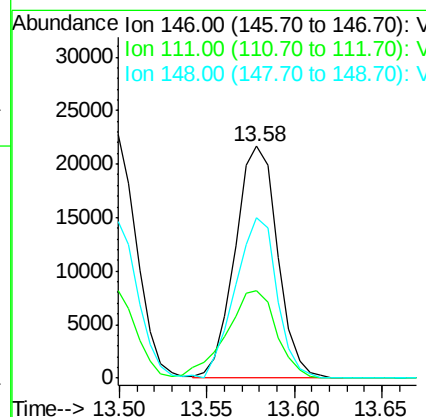
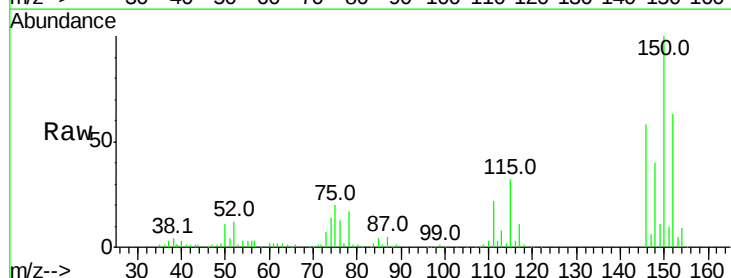
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

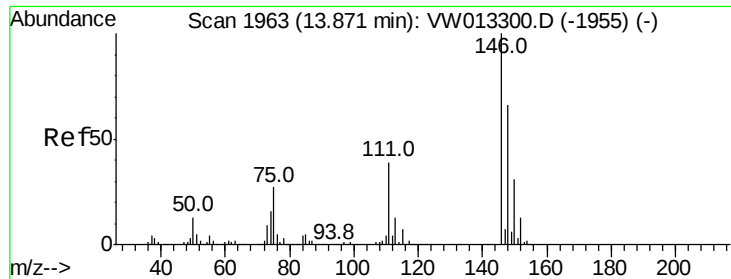
Tgt Ion:146 Resp: 35556
 Ion Ratio Lower Upper
 146 100
 111 35.8 26.7 49.5
 148 64.4 45.0 83.6



#64
 1,4-Dichlorobenzene
 Concen: 2.476 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013298.D
 Acq: 26 Sep 2019 10:01

Tgt Ion:146 Resp: 36607
 Ion Ratio Lower Upper
 146 100
 111 37.8 24.2 45.0
 148 69.2 45.1 83.7

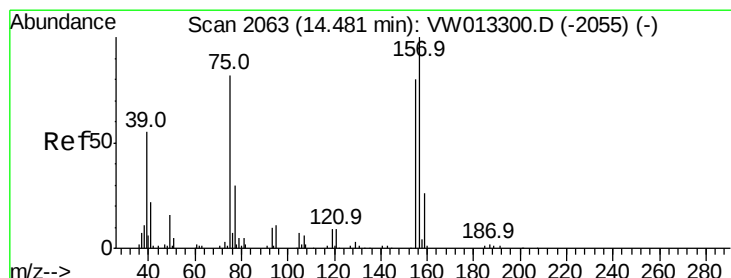
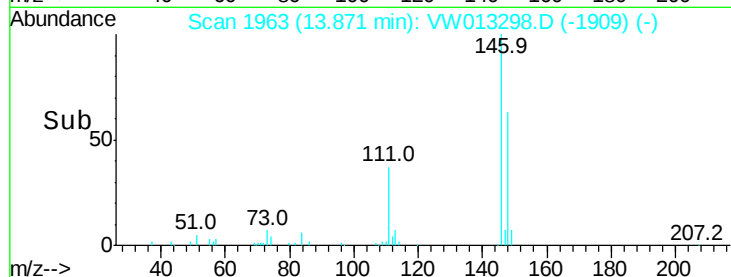
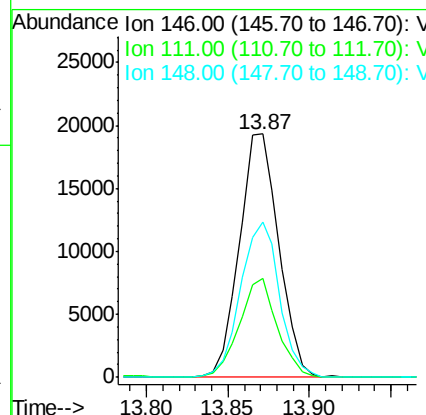
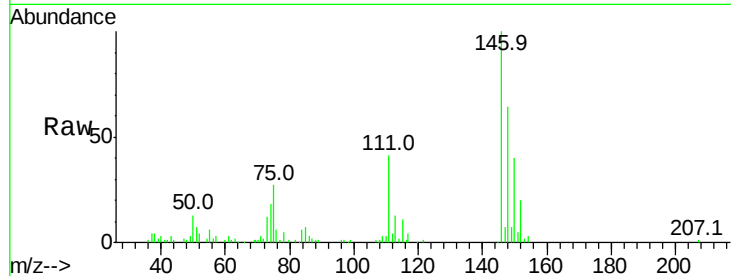




#65
 1,2-Dichlorobenzene
 Concen: 2.445 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013298.D
 Acq: 26 Sep 2019 10:01

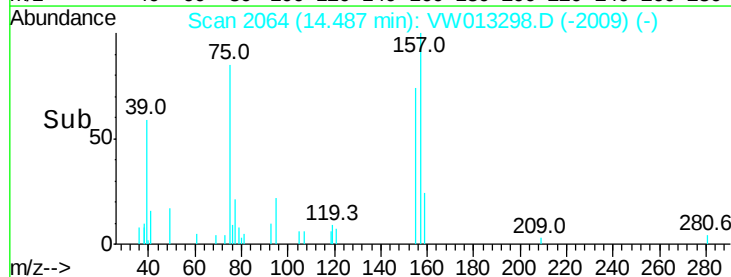
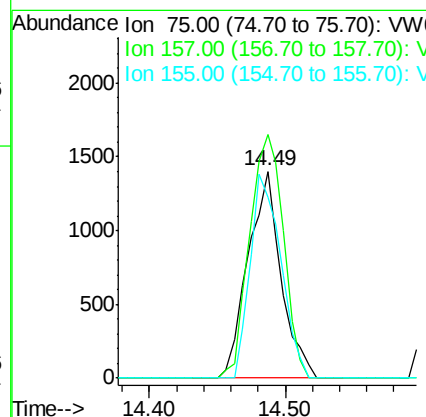
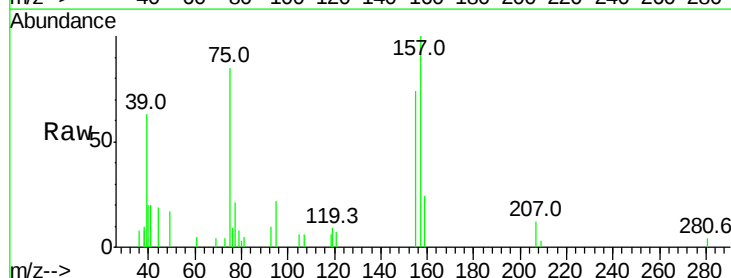
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

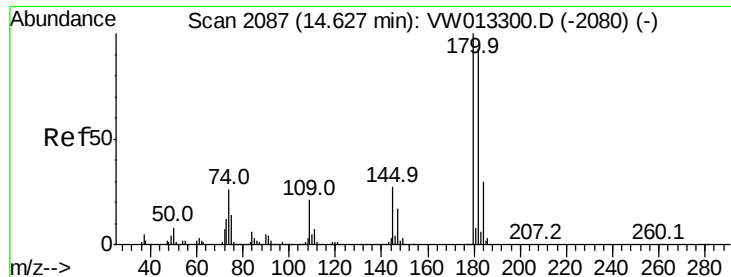
Tgt Ion:146 Resp: 32494
 Ion Ratio Lower Upper
 146 100
 111 40.9 30.8 46.2
 148 63.8 52.5 78.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.586 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013298.D
 Acq: 26 Sep 2019 10:01

Tgt Ion: 75 Resp: 2382
 Ion Ratio Lower Upper
 75 100
 157 117.7 97.8 146.8
 155 87.5 78.4 117.6

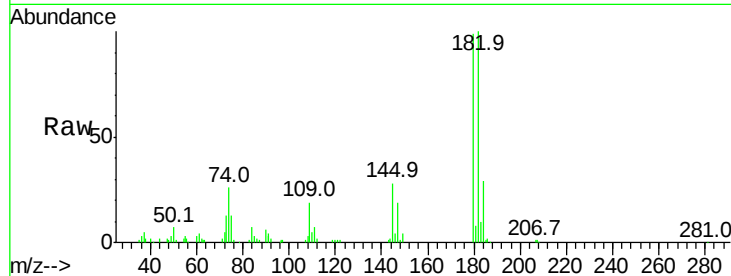




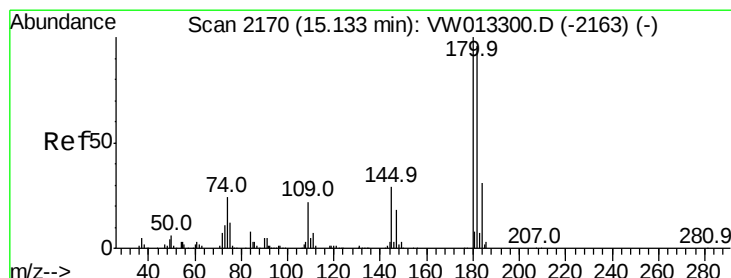
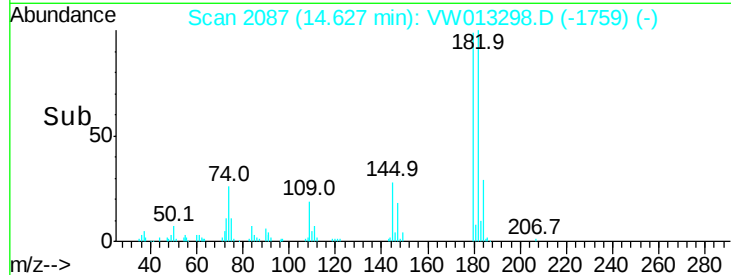
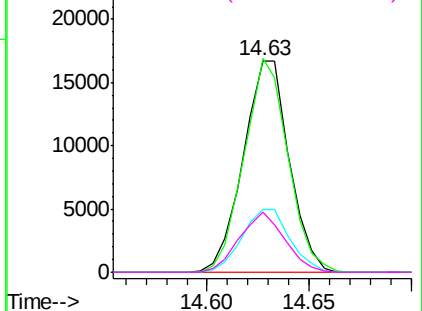
#67
 1,3,5-Trichlorobenzene
 Concen: 2.308 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013298.D
 Acq: 26 Sep 2019 10:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

Tgt Ion:	180	Resp:	26309
Ion Ratio	Lower	Upper	
180	100		
182	95.9	76.4	114.6
184	30.9	23.9	35.9
145	27.6	21.7	32.5

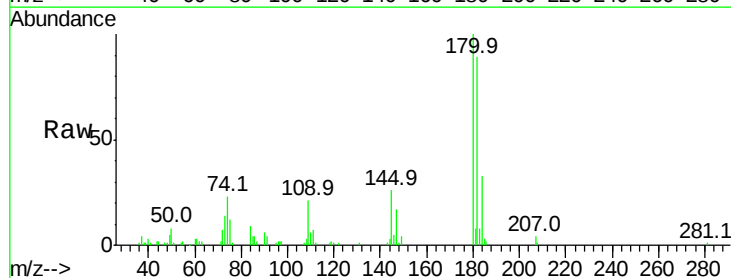


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

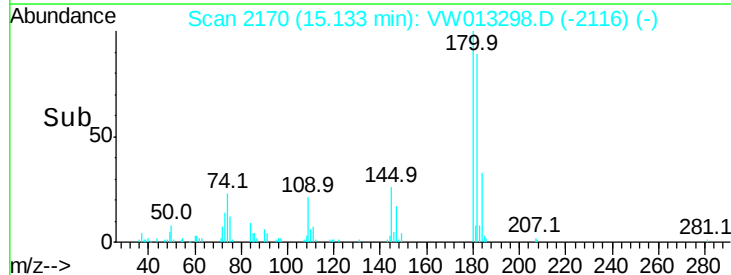
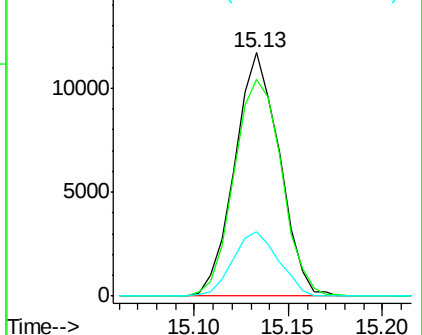


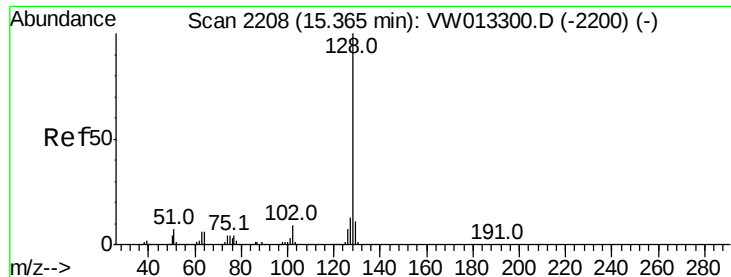
#68
 1,2,4-trichlorobenzene
 Concen: 2.136 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013298.D
 Acq: 26 Sep 2019 10:01

Tgt Ion:	180	Resp:	19302
Ion Ratio	Lower	Upper	
180	100		
182	94.8	75.9	113.9
145	26.7	23.0	34.4



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: 2.135 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW013298.D

Acq: 26 Sep 2019 10:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

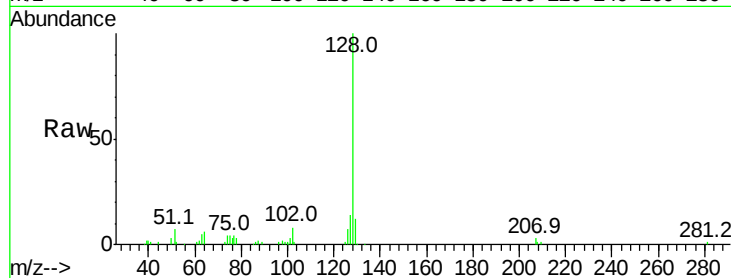
Tgt Ion:128 Resp: 31239

Ion Ratio Lower Upper

128 100

129 12.1 8.7 13.1

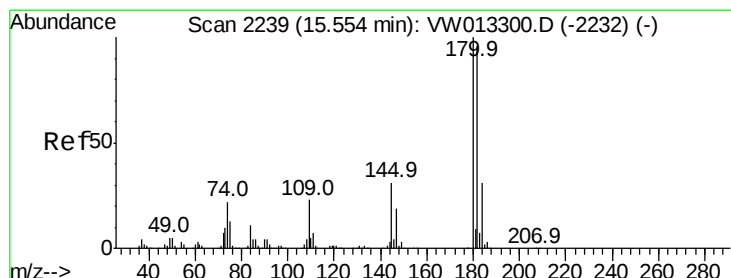
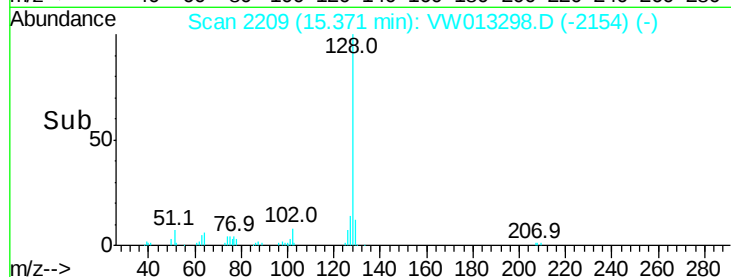
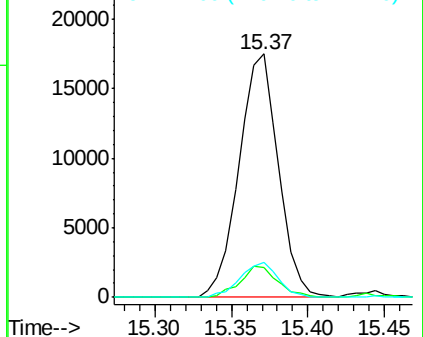
127 13.9 10.6 15.8



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: 2.281 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW013298.D

Acq: 26 Sep 2019 10:01

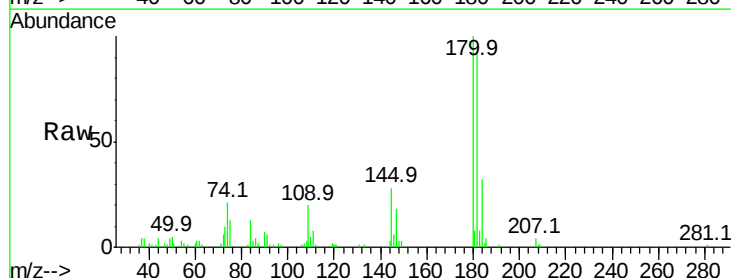
Tgt Ion:180 Resp: 18189

Ion Ratio Lower Upper

180 100

182 96.9 78.2 117.4

145 31.4 24.1 36.1



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

