

Data File : VW013299.D
Acq On : 26 Sep 2019 10:27
Operator : SY/VA
Sample : VSTD00502
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

Quant Time: Sep 26 11:37:41 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	484040	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	435122	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	216919	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	30306	6.23	ug/L	0.00
7) Chloroethane-d5	2.89	69	24805	6.19	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	57950	4.98	ug/L	0.00
20) 2-Butanone-d5	7.09	46	19979	10.98	ug/L	0.01
24) Chloroform-d	7.65	84	57392	4.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	30899	4.73	ug/L	0.00
29) Benzene-d6	8.27	84	124899	5.63	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	36245	4.95	ug/L	0.00
37) Toluene-d8	10.32	98	115702	5.47	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	15896	4.92	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	15420	11.15	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	31879	5.76	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	40593	4.91	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	9848	2.636 ug/L	95
3) Chloromethane	2.21	50	19207	3.767 ug/L	91
5) Vinyl chloride	2.35	62	26222	3.983 ug/L	97
6) Bromomethane	2.78	94	17169	4.366 ug/L	96
8) Chloroethane	2.92	64	15920	4.010 ug/L	98
9) Trichlorofluoromethane	3.25	101	14621	3.704 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	25623	4.433 ug/L #	88
12) 1,1-Dichloroethene	4.04	96	27724	4.803 ug/L	98
13) Acetone	4.14	43	15462	9.857 ug/L	98
14) Carbon disulfide	4.39	76	72381	4.194 ug/L	97
15) Methyl Acetate	4.67	43	6993	2.387 ug/L #	41
16) Methylene chloride	4.91	84	17424	2.637 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	47332	4.713 ug/L	96
18) trans-1,2-Dichloroethene	5.42	96	29305	4.734 ug/L	97
19) 1,1-Dichloroethane	6.21	63	52261	4.455 ug/L	99
21) 2-Butanone	7.18	43	22758	11.012 ug/L	76
22) cis-1,2-Dichloroethene	7.17	96	31977	4.869 ug/L	98
23) Bromochloromethane	7.51	128	14238	5.004 ug/L	86
25) Chloroform	7.68	83	50522	4.277 ug/L	98
27) 1,2-Dichloroethane	8.40	62	33438	4.189 ug/L #	94
30) Cyclohexane	7.96	56	48535	4.185 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	40578	4.091 ug/L	99
32) Carbon tetrachloride	8.07	117	38013	4.105 ug/L	99
34) Benzene	8.32	78	119678	4.574 ug/L	100
35) Trichloroethene	9.09	95	30942	4.481 ug/L	97
36) Methylcyclohexane	9.34	83	55850	4.677 ug/L	99
40) 1,2-Dichloropropane	9.37	63	28998	4.406 ug/L	99
41) Bromodichloromethane	9.64	83	35484	4.232 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	44504	4.304 ug/L	91
43) 4-Methyl-2-pentanone	10.21	43	43355	10.355 ug/L	99

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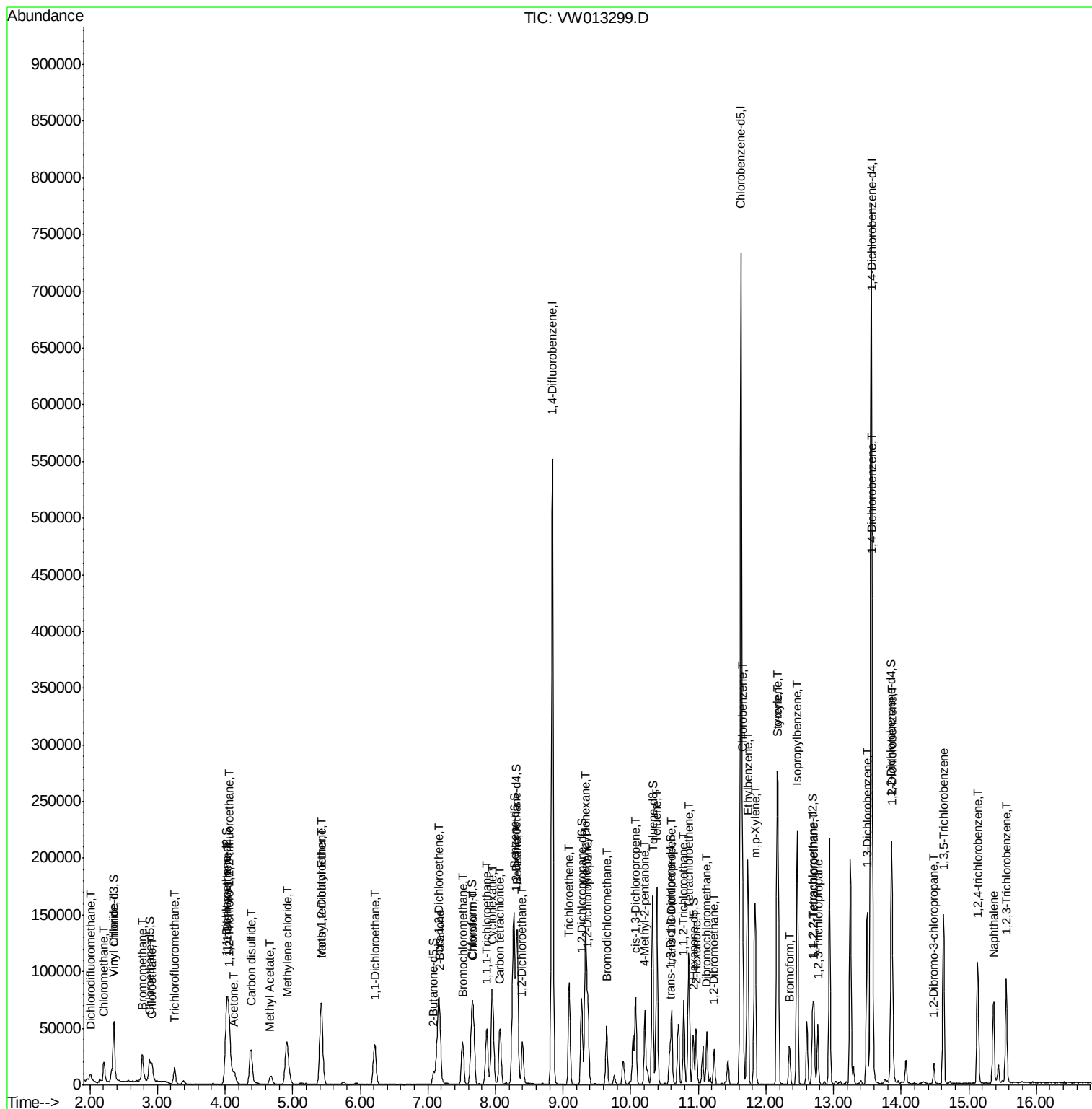
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	130877	4.675	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	35598	4.247	ug/L	92
46) 1,1,2-Trichloroethane	10.79	97	23111	5.222	ug/L	93
47) Tetrachloroethene	10.86	164	28077	4.722	ug/L	92
49) 2-Hexanone	10.97	43	30538	9.867	ug/L	98
50) Dibromochloromethane	11.13	129	24955	4.630	ug/L	88
51) 1,2-Dibromoethane	11.24	107	22973	5.396	ug/L	95
52) Chlorobenzene	11.66	112	83396	4.767	ug/L	99
53) Ethylbenzene	11.73	91	143909	4.529	ug/L	96
54) m,p-Xylene	11.84	106	56288	4.738	ug/L	96
55) o-xylene	12.16	106	51484	4.607	ug/L	96
56) Styrene	12.18	104	88494	4.653	ug/L	96
57) Isopropylbenzene	12.46	105	139935	4.559	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	28464	5.654	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	21405	5.518	ug/L	97
62) Bromoform	12.35	173	16221	5.233	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	65036	4.733	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	67956	4.957	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	59435	4.823	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	4817	5.641	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	50634	4.791	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	37781	4.509	ug/L	100
69) Naphthalene	15.37	128	66845	4.926	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	34732	4.698	ug/L	99

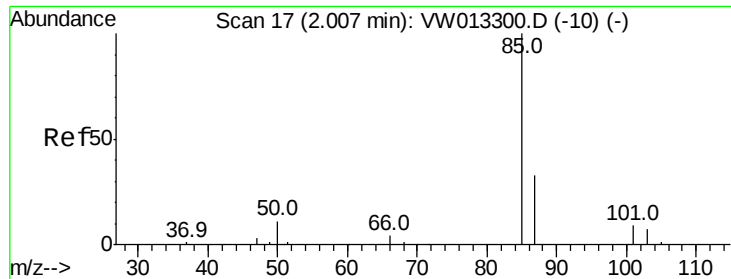
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.636 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

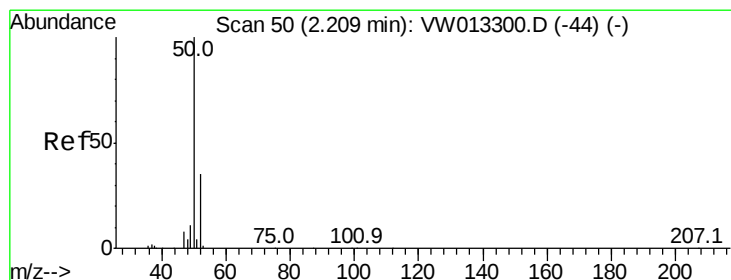
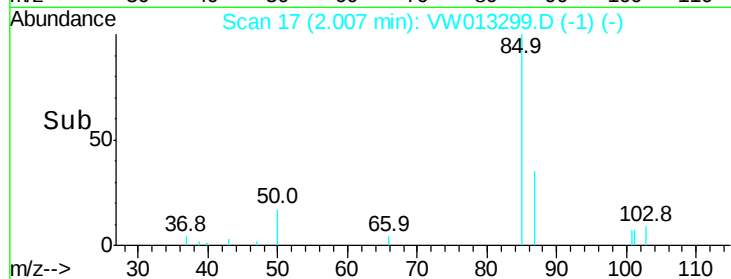
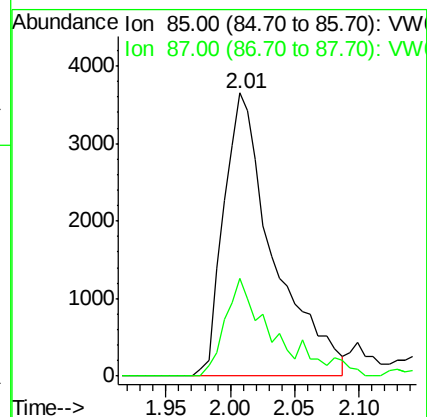
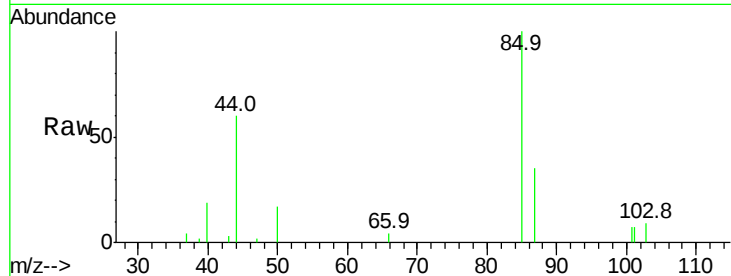
VSTD00502

Tgt Ion: 85 Resp: 9848

Ion Ratio Lower Upper

85 100

87 27.6 21.3 39.6



#3

Chloromethane

Concen: 3.767 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013299.D

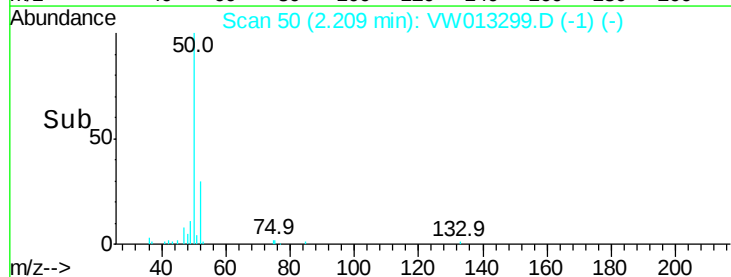
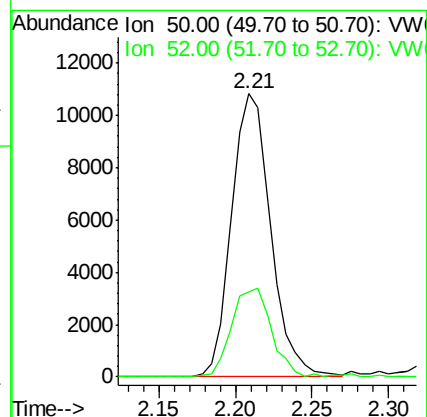
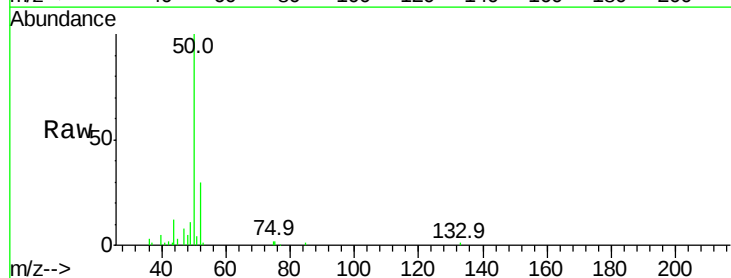
Acq: 26 Sep 2019 10:27

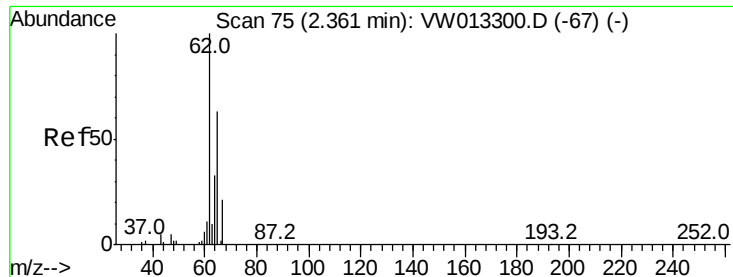
Tgt Ion: 50 Resp: 19207

Ion Ratio Lower Upper

50 100

52 29.8 24.4 45.4





#5

Vinyl chloride

Concen: 3.983 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

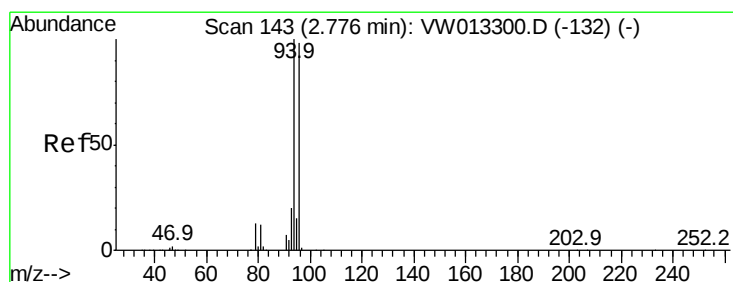
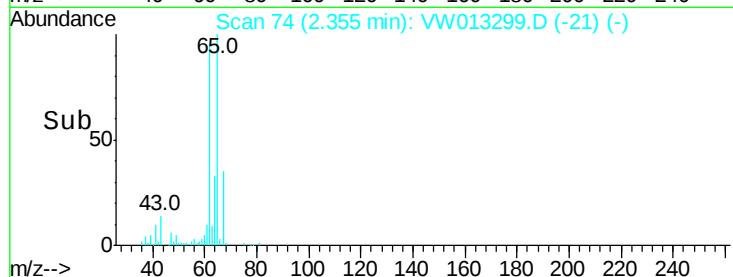
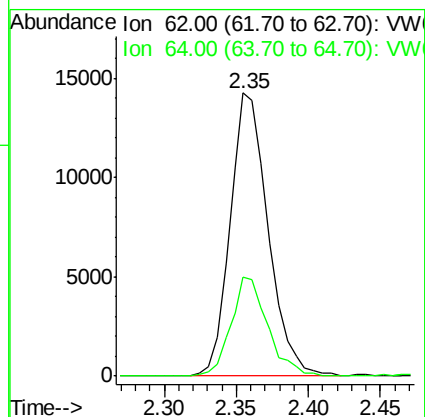
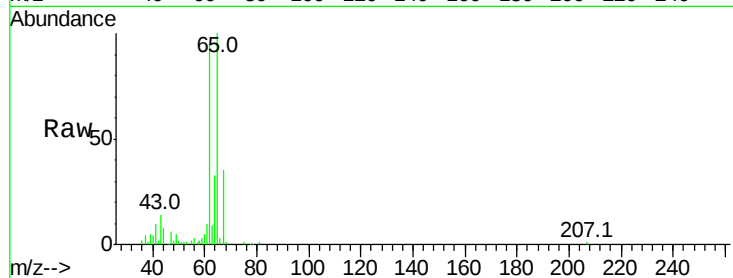
VSTD00502

Tgt Ion: 62 Resp: 26222

Ion Ratio Lower Upper

62 100

64 35.0 23.2 43.0



#6

Bromomethane

Concen: 4.366 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW013299.D

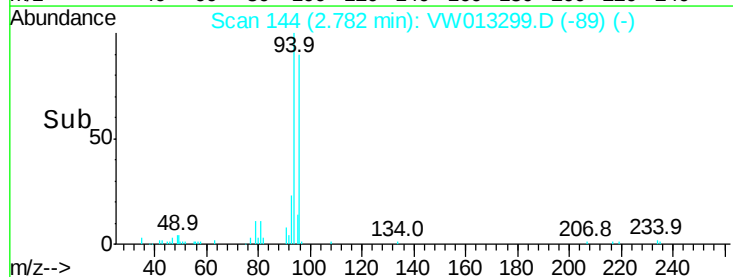
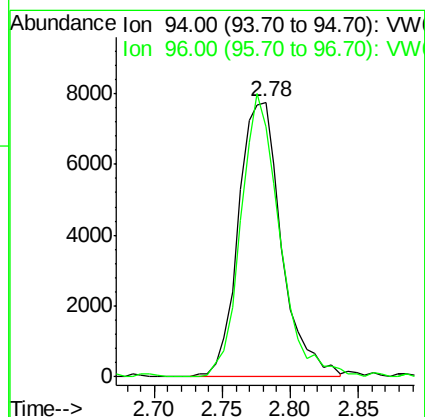
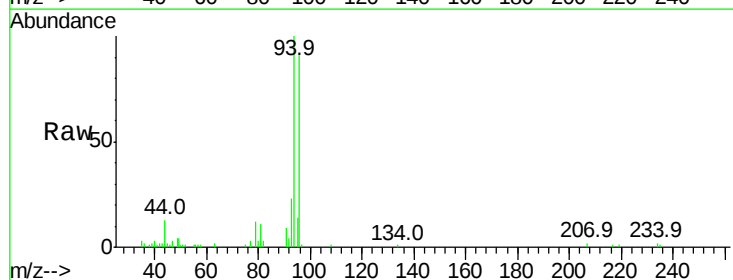
Acq: 26 Sep 2019 10:27

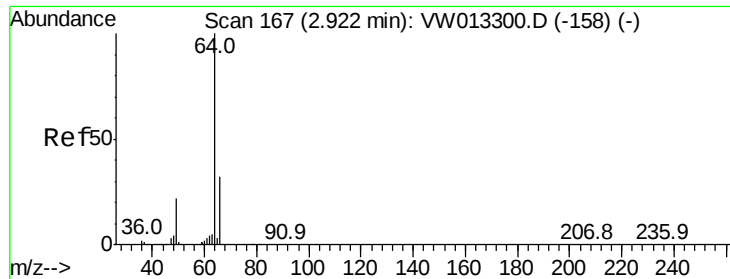
Tgt Ion: 94 Resp: 17169

Ion Ratio Lower Upper

94 100

96 92.8 9.7 184.3





#8

Chloroethane

Concen: 4.010 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

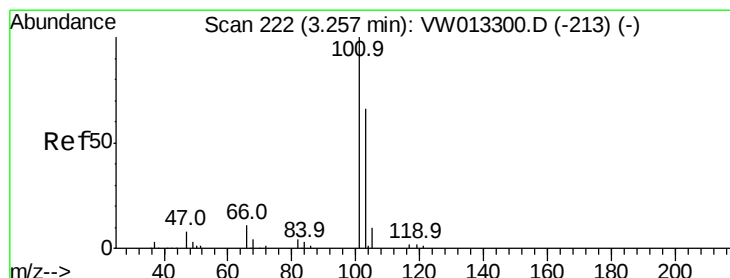
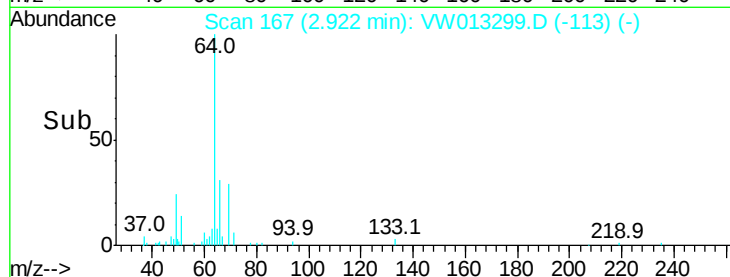
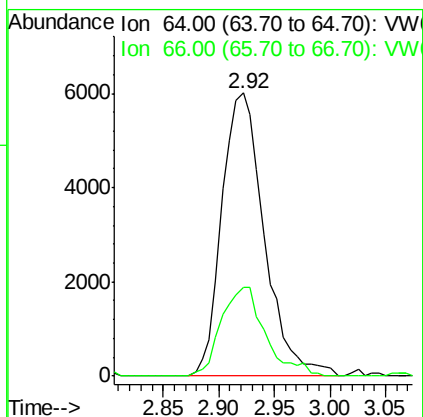
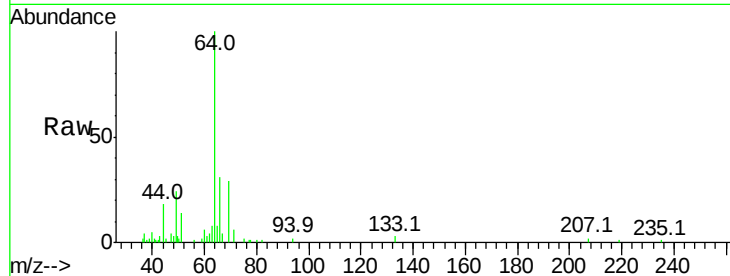
VSTD00502

Tgt Ion: 64 Resp: 15920

Ion Ratio Lower Upper

64 100

66 31.2 22.7 42.1



#9

Trichlorofluoromethane

Concen: 3.704 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW013299.D

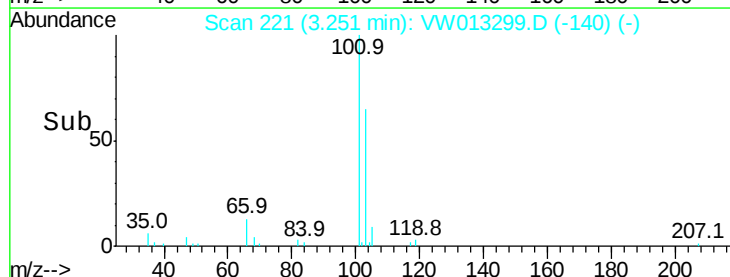
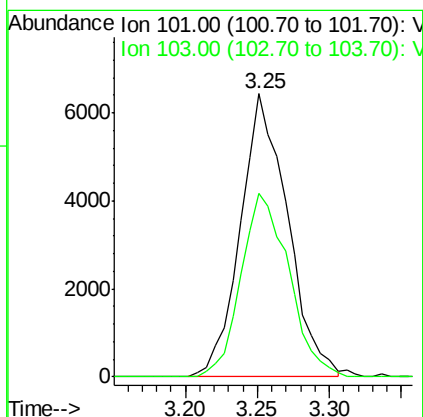
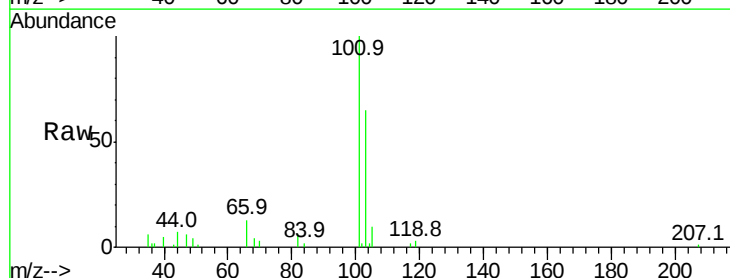
Acq: 26 Sep 2019 10:27

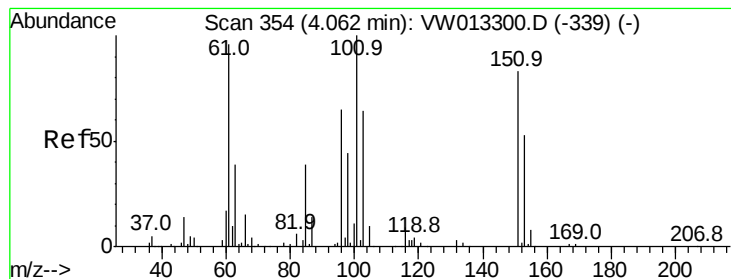
Tgt Ion: 101 Resp: 14621

Ion Ratio Lower Upper

101 100

103 65.8 45.2 84.0





#11

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

Concen: 4.433 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

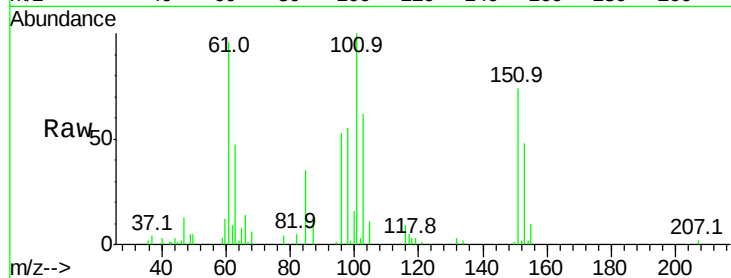
Tgt Ion:101 Resp: 25623

Ion Ratio Lower Upper

101 100

85 27.3 31.8 47.8#

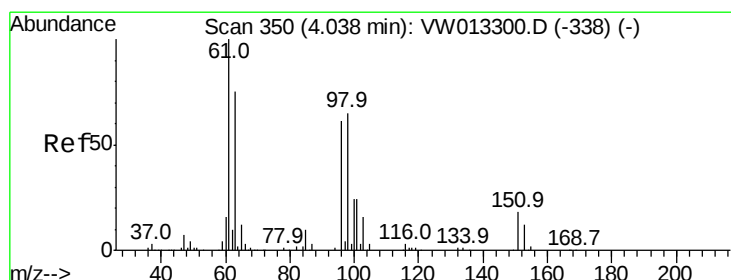
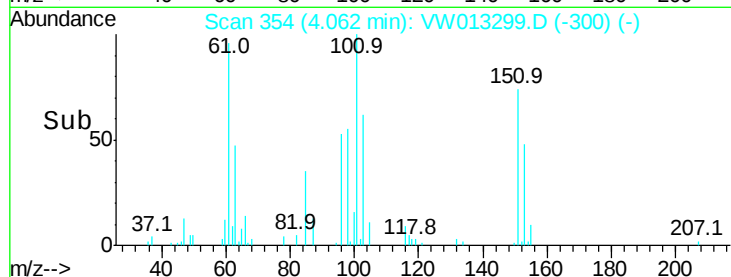
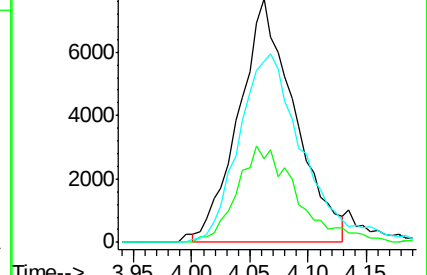
151 88.9 65.4 98.0



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: 4.803 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

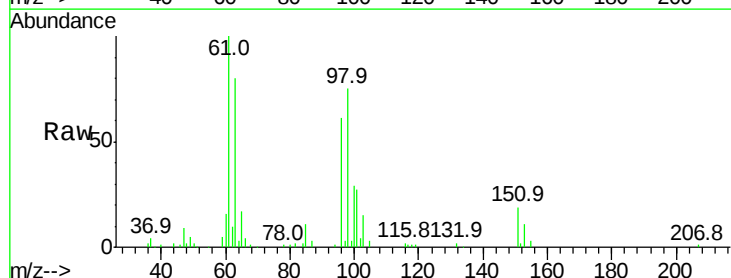
Tgt Ion: 96 Resp: 27724

Ion Ratio Lower Upper

96 100

61 164.8 115.9 215.3

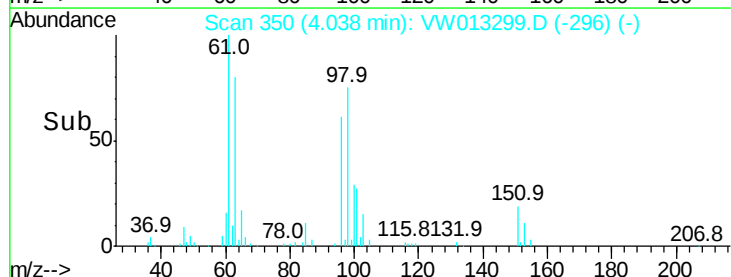
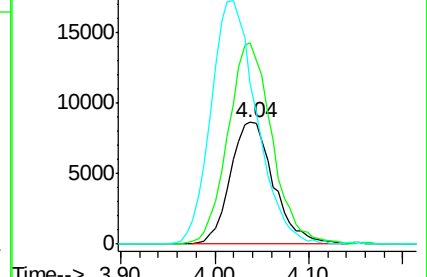
63 132.1 88.9 165.1

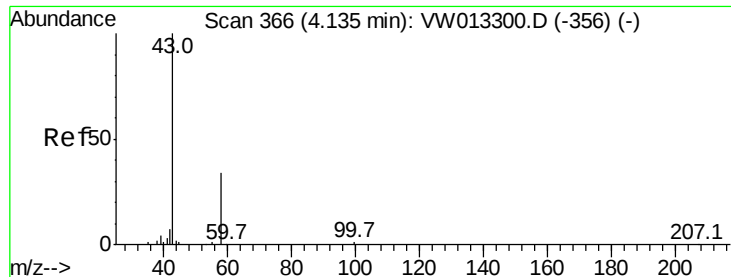


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 9.857 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

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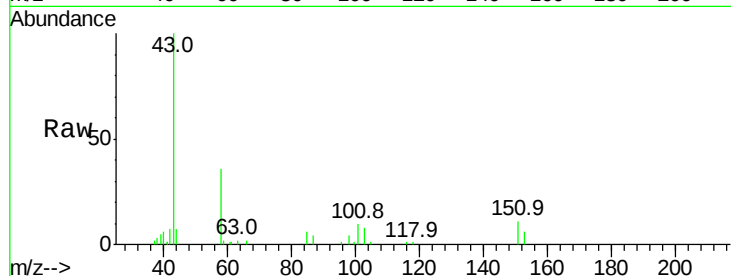
VSTD00502

Tgt Ion: 43 Resp: 15462

Ion Ratio Lower Upper

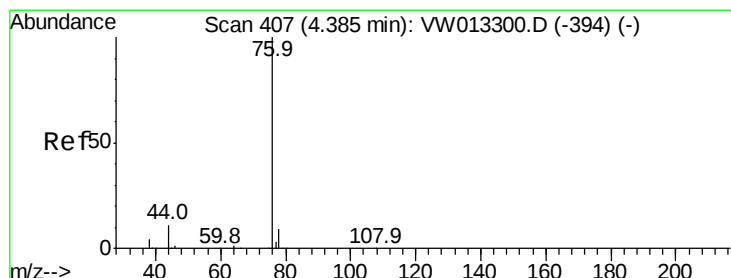
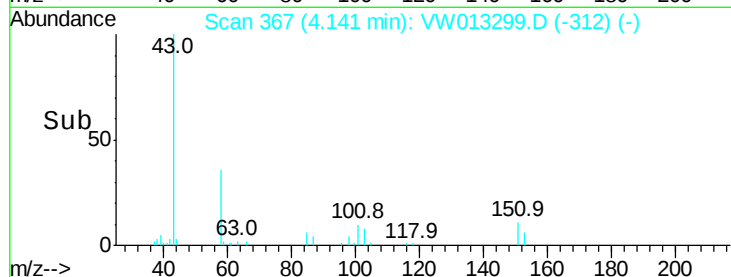
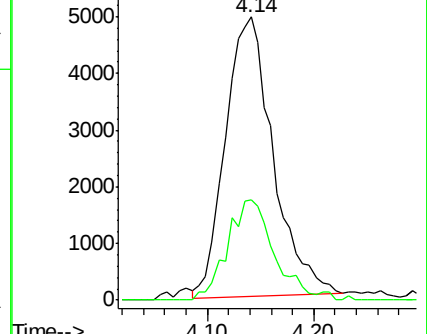
43 100

58 32.5 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 4.194 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013299.D

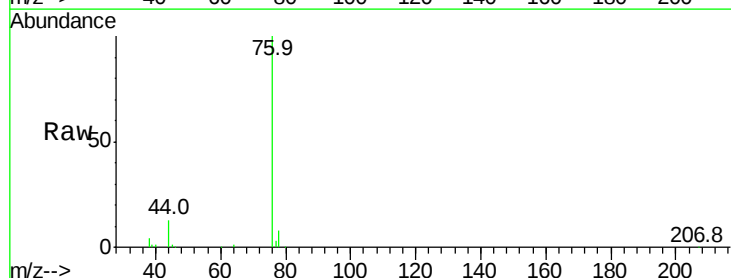
Acq: 26 Sep 2019 10:27

Tgt Ion: 76 Resp: 72381

Ion Ratio Lower Upper

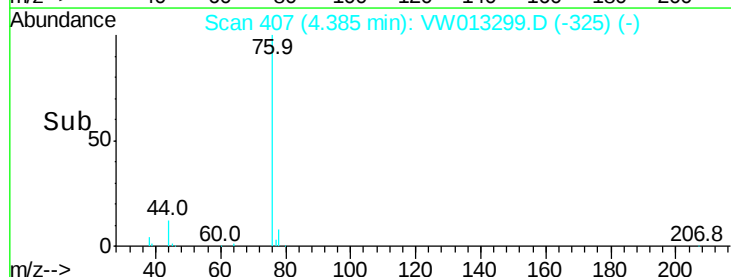
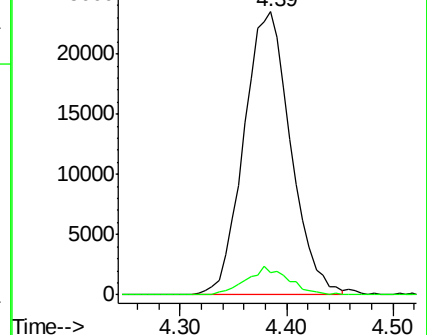
76 100

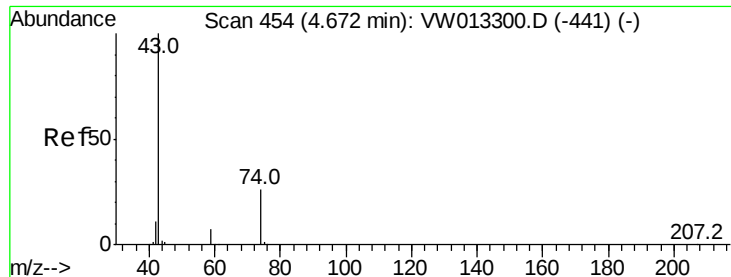
78 7.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

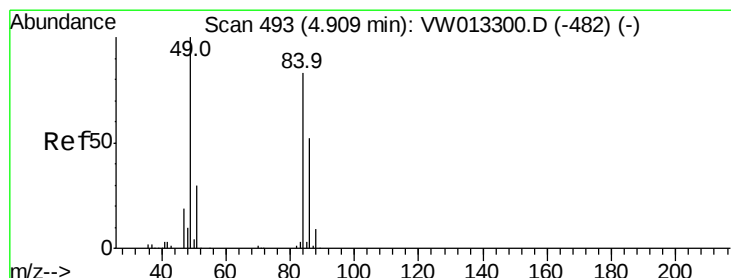
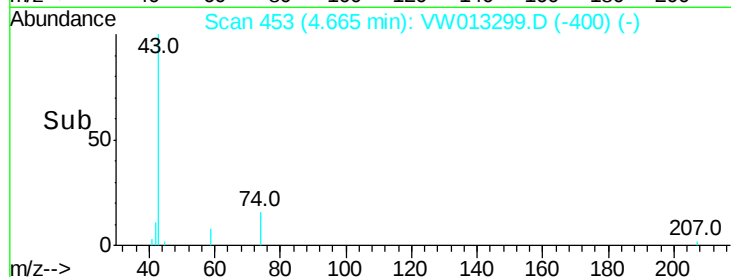
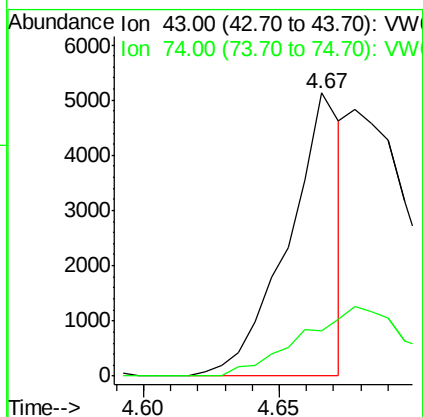
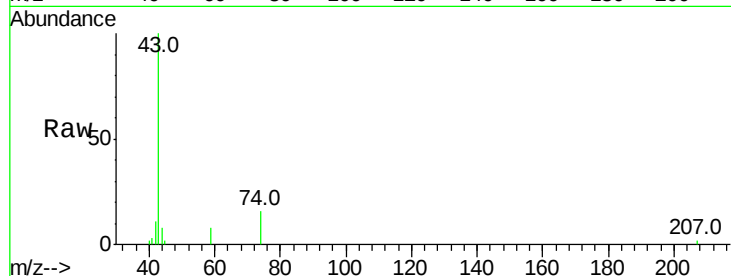




#15
Methyl Acetate
Concen: 2.387 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013299.D
Acq: 26 Sep 2019 10:27

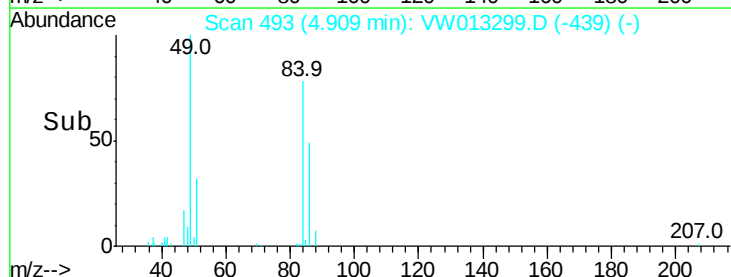
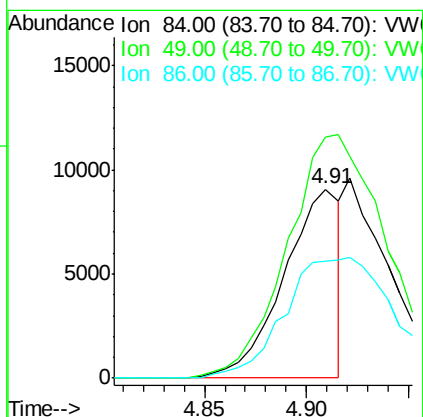
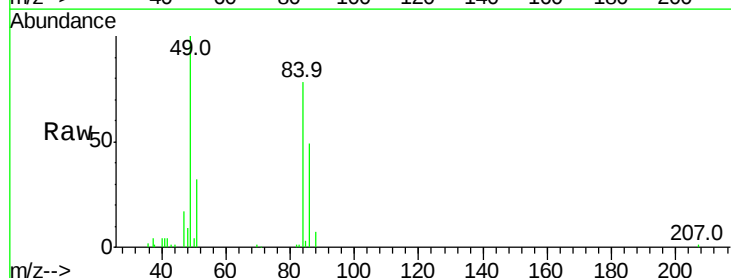
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

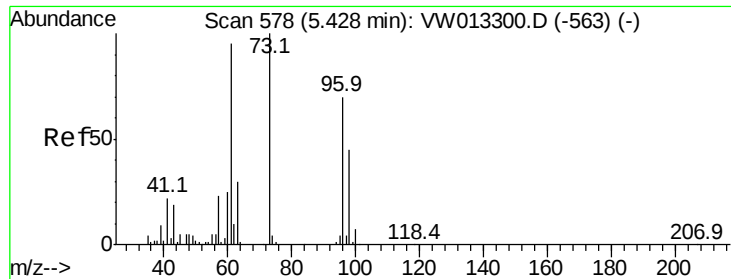
Tgt Ion: 43 Resp: 6993
Ion Ratio Lower Upper
43 100
74 52.1 18.7 28.1#



#16
Methylene chloride
Concen: 2.637 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013299.D
Acq: 26 Sep 2019 10:27

Tgt Ion: 84 Resp: 17424
Ion Ratio Lower Upper
84 100
49 127.6 84.8 157.4
86 62.1 44.0 81.6

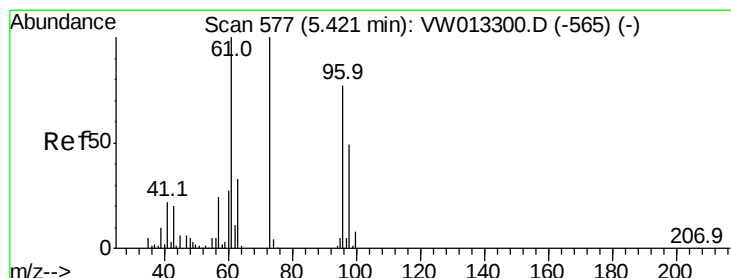
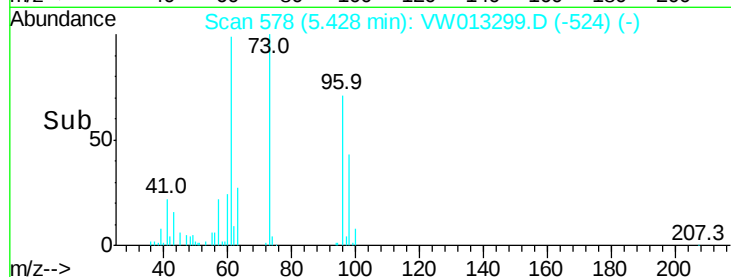
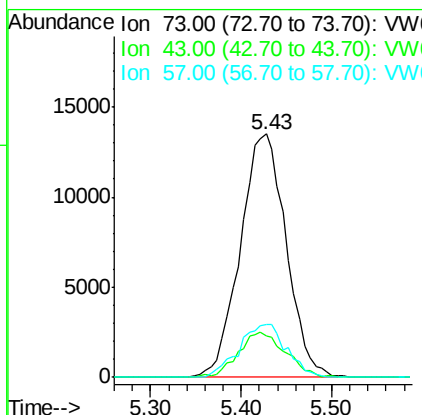
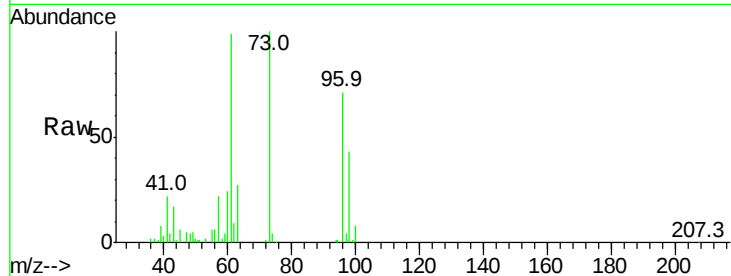




#17
Methyl tert-butyl Ether
Concen: 4.713 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW013299.D
Acq: 26 Sep 2019 10:27

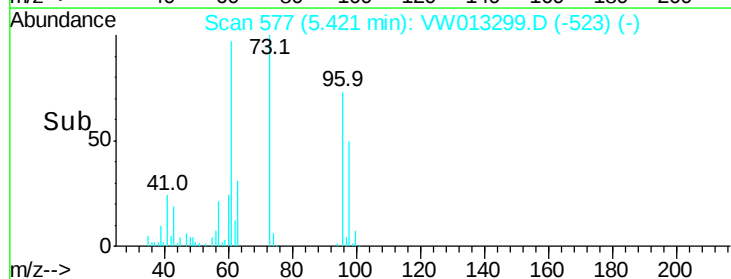
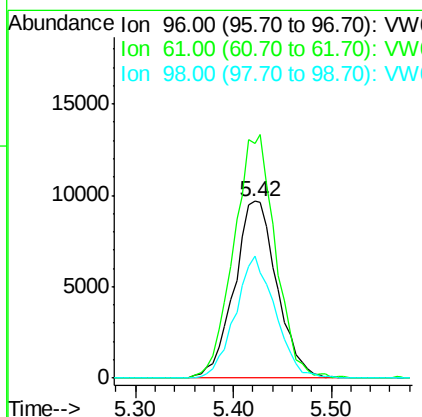
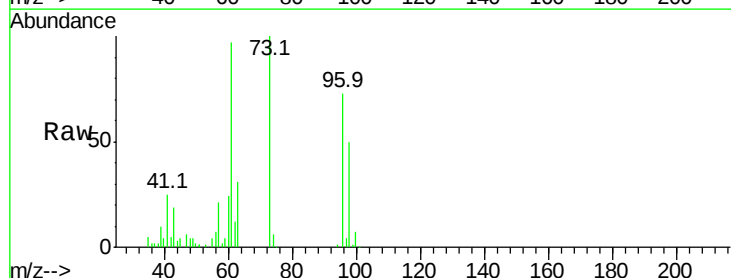
Instrument :
MSVOA_W
ClientSampled :
VSTD00502

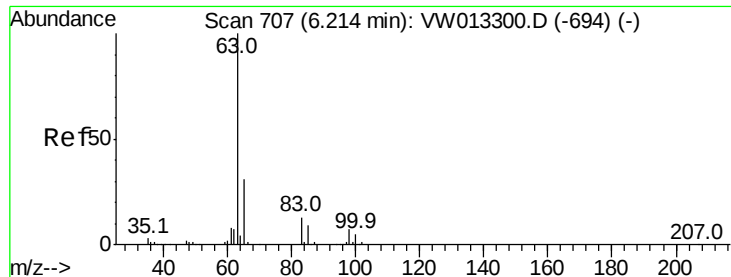
Tgt Ion: 73 Resp: 47332
Ion Ratio Lower Upper
73 100
43 18.8 15.3 22.9
57 19.8 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 4.734 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013299.D
Acq: 26 Sep 2019 10:27

Tgt Ion: 96 Resp: 29305
Ion Ratio Lower Upper
96 100
61 132.7 91.2 169.4
98 68.8 44.7 82.9

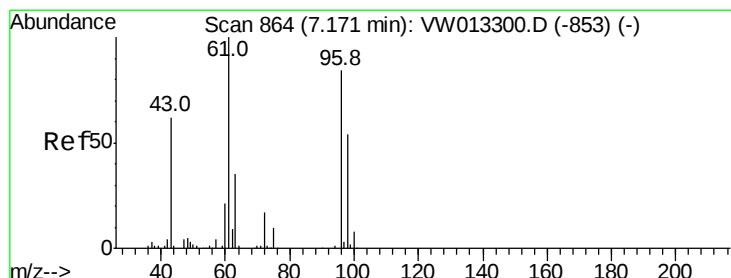
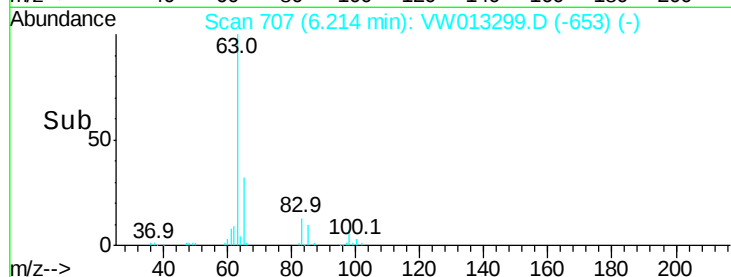
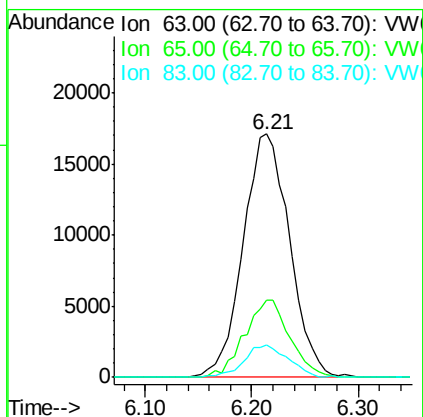
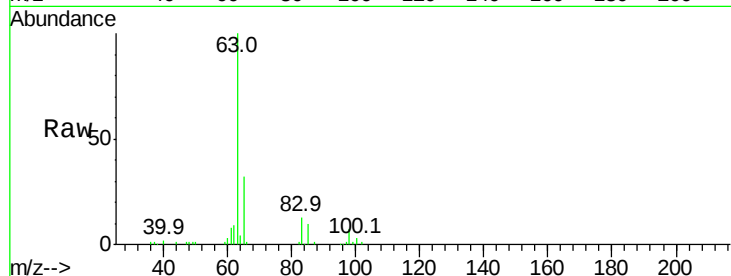




#19
 1,1-Dichloroethane
 Concen: 4.455 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW013299.D
 Acq: 26 Sep 2019 10:27

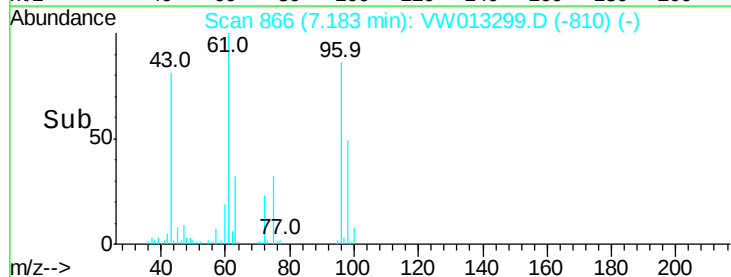
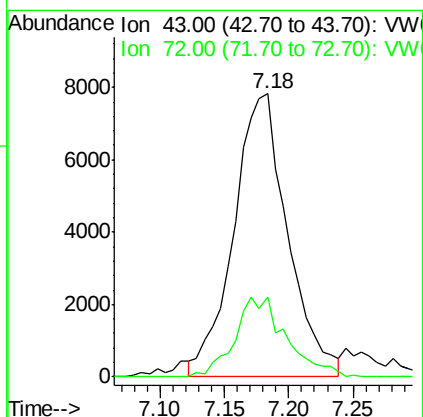
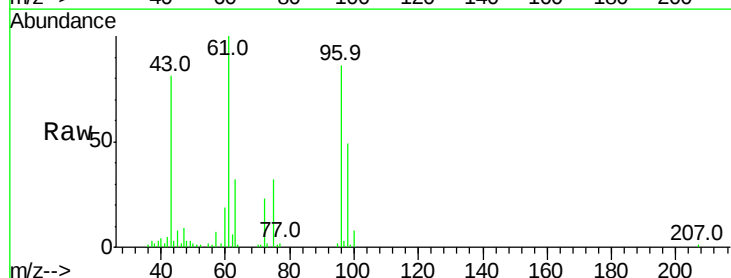
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

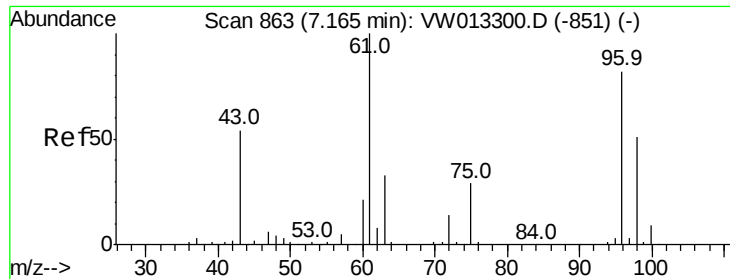
Tgt Ion: 63 Resp: 52261
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.8 40.4
 83 13.5 9.3 17.3



#21
 2-Butanone
 Concen: 11.012 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW013299.D
 Acq: 26 Sep 2019 10:27

Tgt Ion: 43 Resp: 22758
 Ion Ratio Lower Upper
 43 100
 72 14.1 13.2 39.6



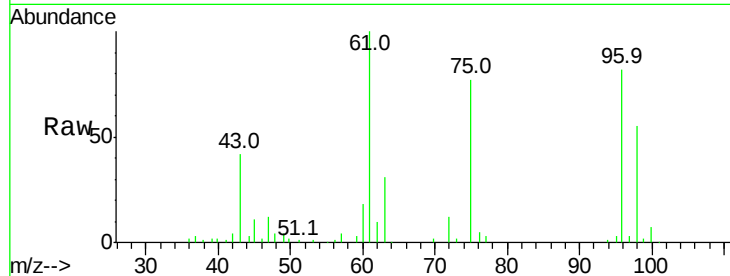


#22

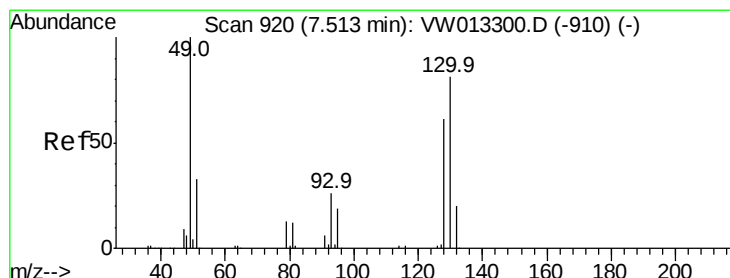
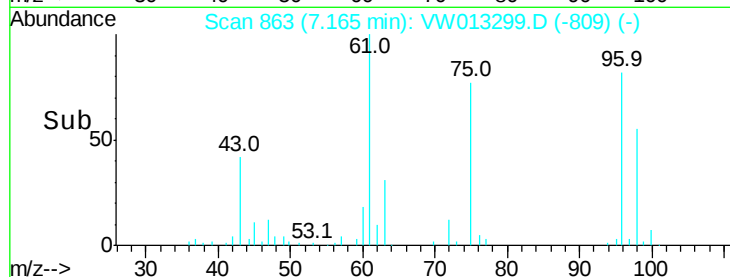
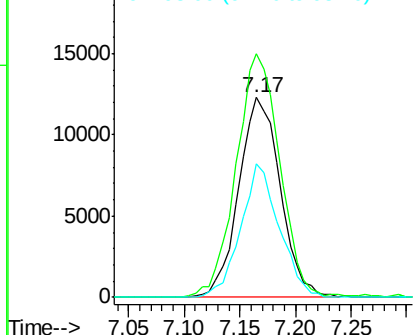
cis-1,2-Dichloroethene
Concen: 4.869 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013299.D
Acq: 26 Sep 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

Tgt Ion: 96 Resp: 31977
Ion Ratio Lower Upper
96 100
61 122.0 86.0 159.6
98 66.7 43.5 80.9



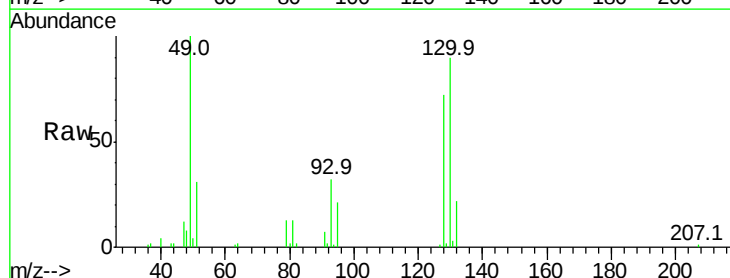
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



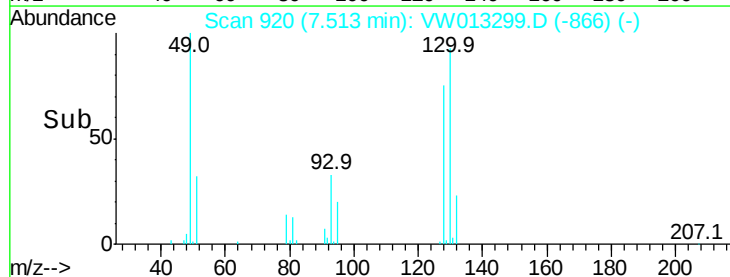
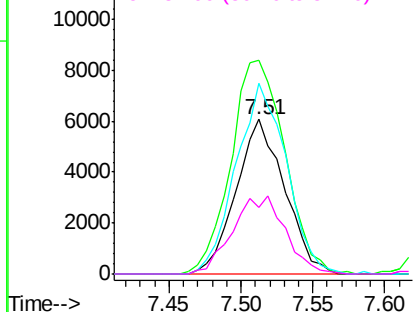
#23

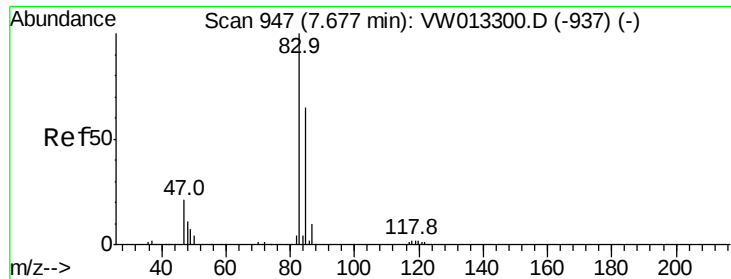
Bromochloromethane
Concen: 5.004 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013299.D
Acq: 26 Sep 2019 10:27

Tgt Ion: 128 Resp: 14238
Ion Ratio Lower Upper
128 100
49 138.0 114.6 212.8
130 123.6 92.6 172.0
51 43.3 42.7 64.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 4.277 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

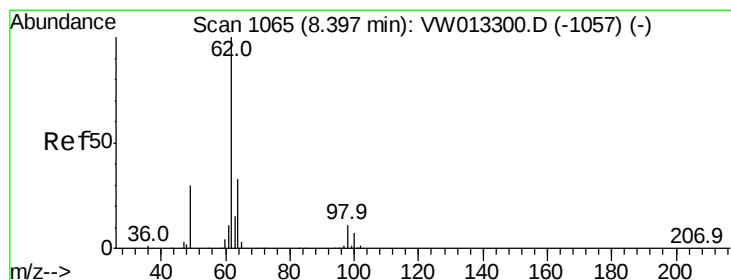
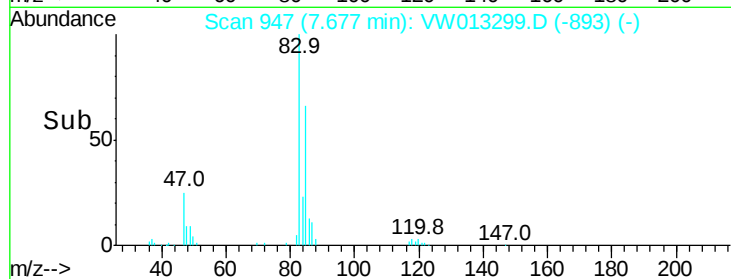
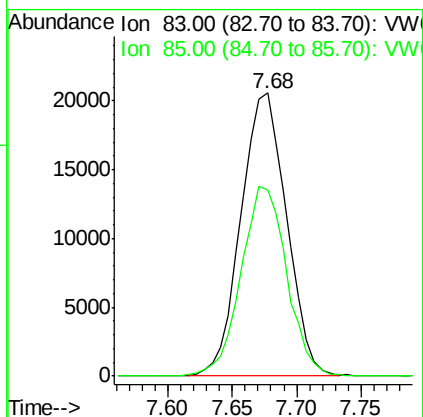
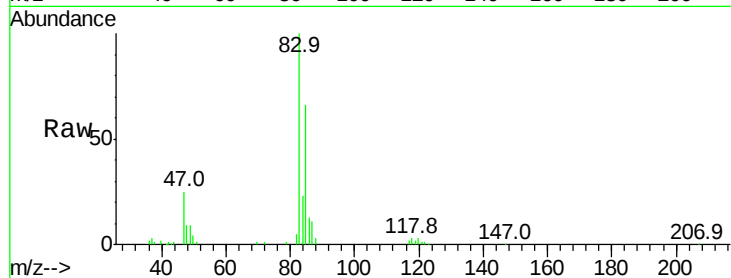
VSTD00502

Tgt Ion: 83 Resp: 50522

Ion Ratio Lower Upper

83 100

85 67.2 45.9 85.3



#27

1,2-Dichloroethane

Concen: 4.189 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW013299.D

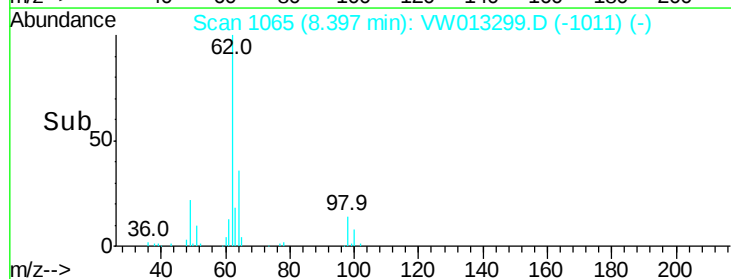
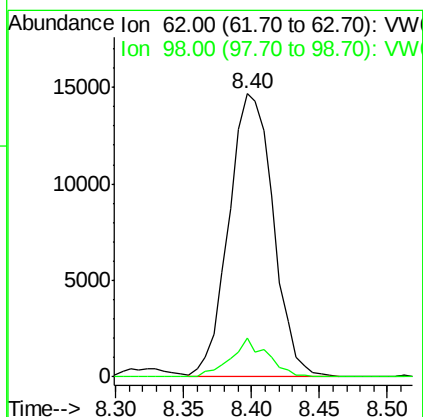
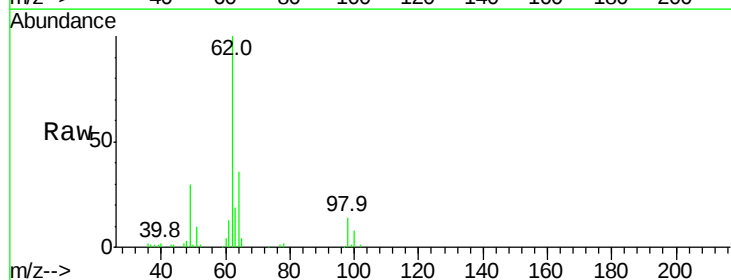
Acq: 26 Sep 2019 10:27

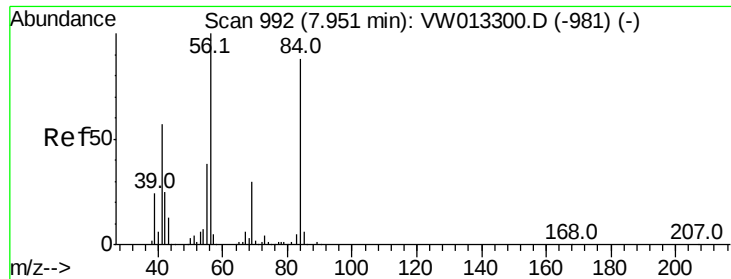
Tgt Ion: 62 Resp: 33438

Ion Ratio Lower Upper

62 100

98 13.6 9.0 13.6#

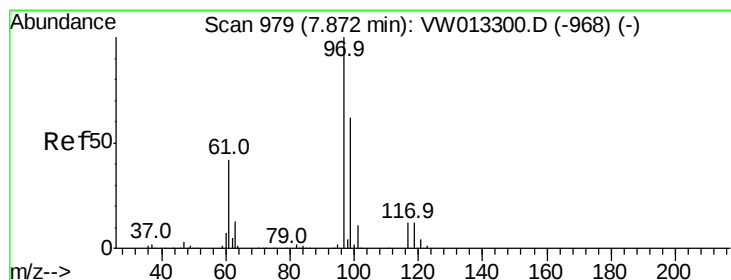
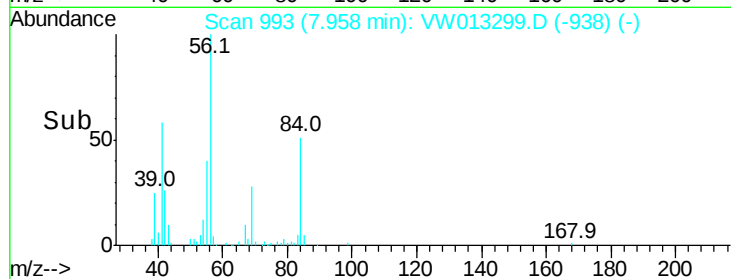
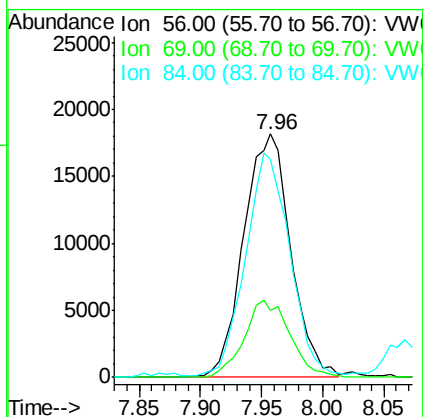
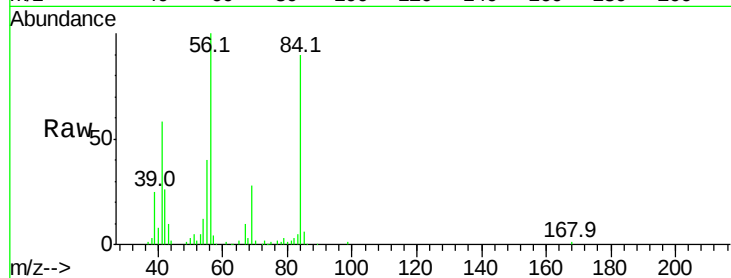




#30
Cyclohexane
Concen: 4.185 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW013299.D
Acq: 26 Sep 2019 10:27

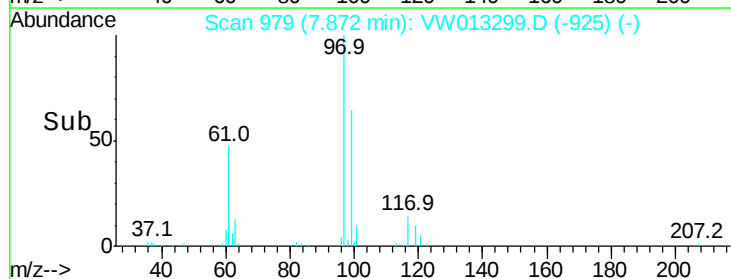
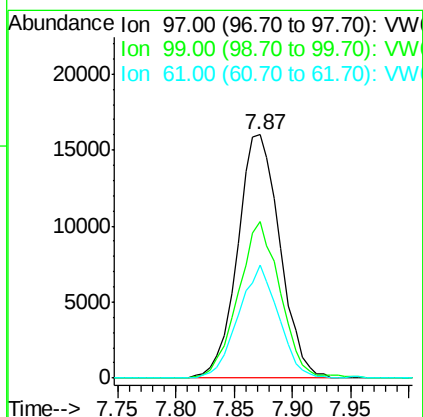
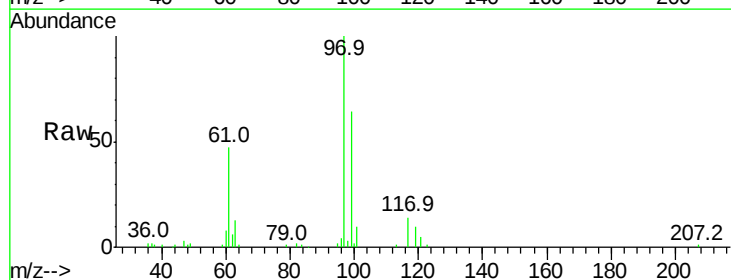
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

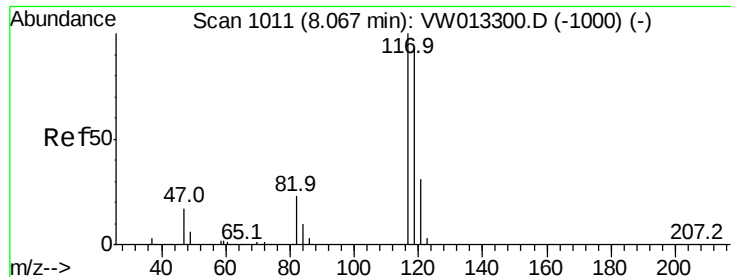
Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.6	37.0
84	87.9	69.5	104.3



#31
1,1,1-Trichloroethane
Concen: 4.091 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW013299.D
Acq: 26 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.6	75.8
61	44.0	34.2	51.2





#32

Carbon tetrachloride

Concen: 4.105 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

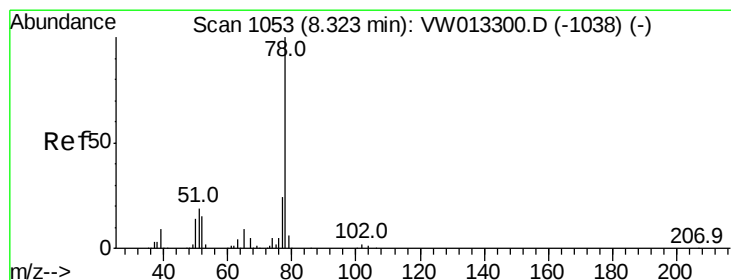
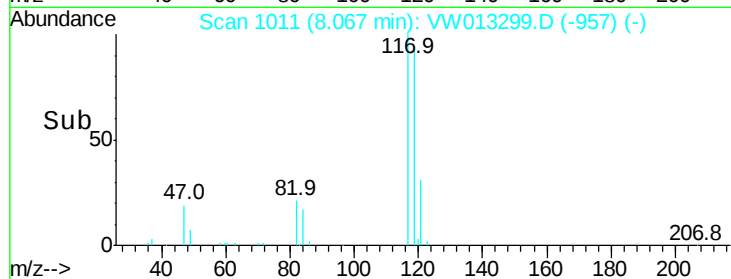
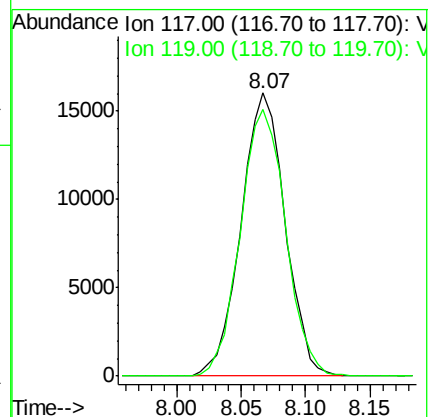
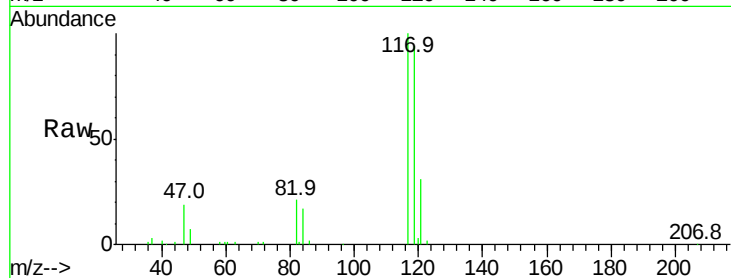
VSTD00502

Tgt Ion:117 Resp: 38013

Ion Ratio Lower Upper

117 100

119 96.9 76.7 115.1



#34

Benzene

Concen: 4.574 ug/L

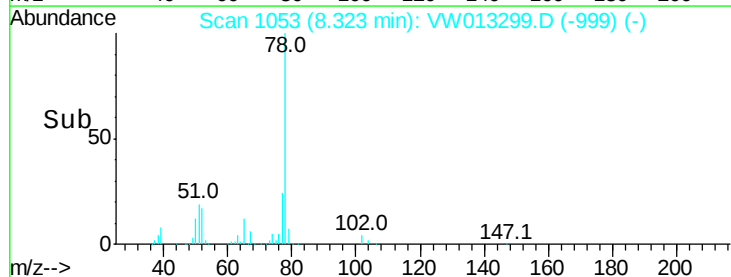
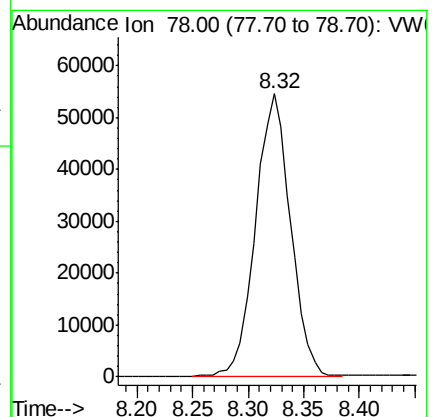
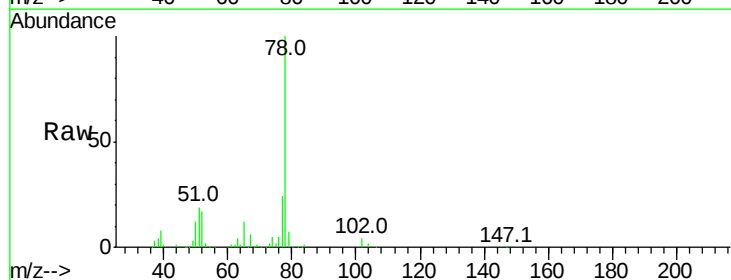
RT: 8.32 min Scan# 1053

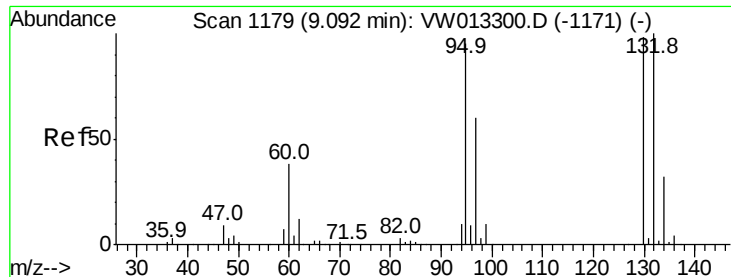
Delta R.T. -0.00 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

Tgt Ion: 78 Resp: 119678





#35

Trichloroethene

Concen: 4.481 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

Tgt Ion: 95 Resp: 30942

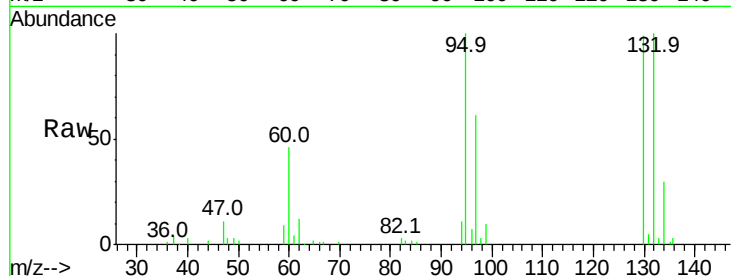
Ion Ratio Lower Upper

95 100

97 66.4 44.3 82.3

132 105.4 71.7 133.3

130 108.4 74.1 137.7

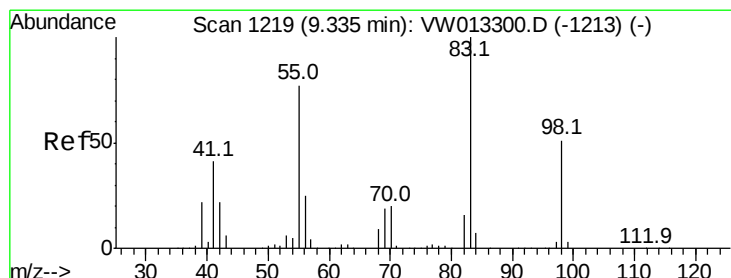
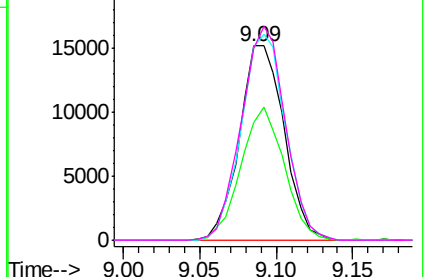
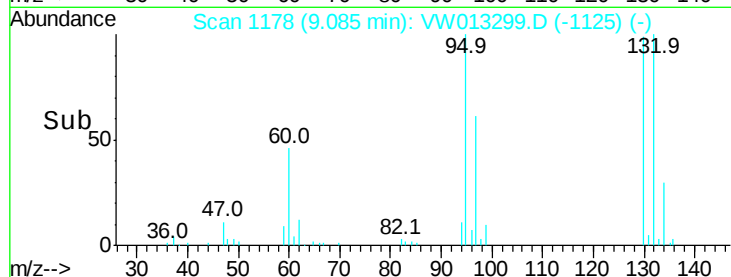


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 4.677 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

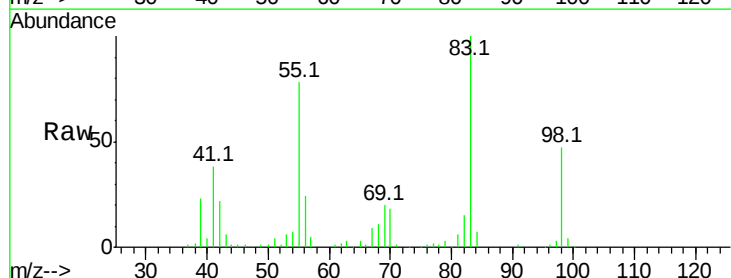
Tgt Ion: 83 Resp: 55850

Ion Ratio Lower Upper

83 100

55 77.1 61.8 92.6

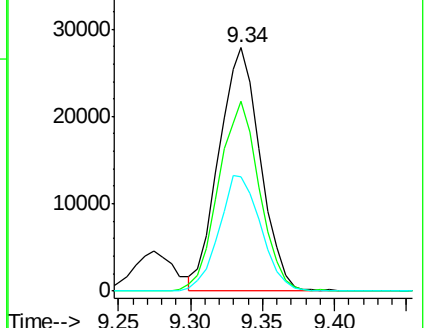
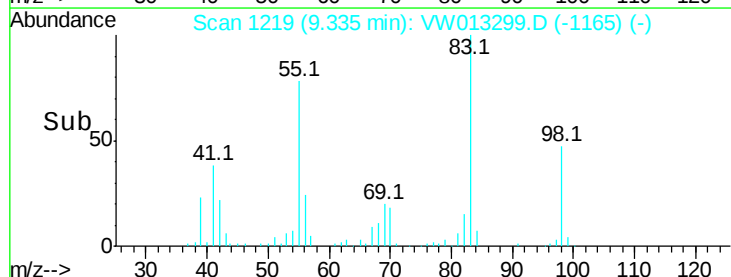
98 48.1 39.6 59.4

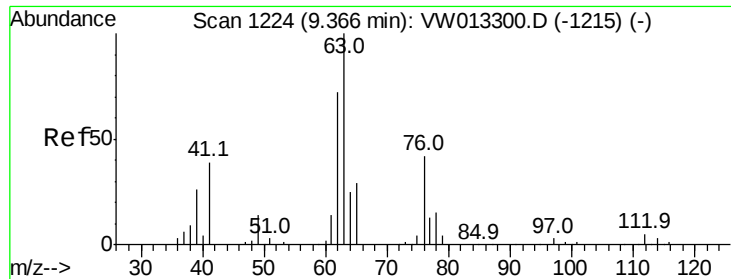


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

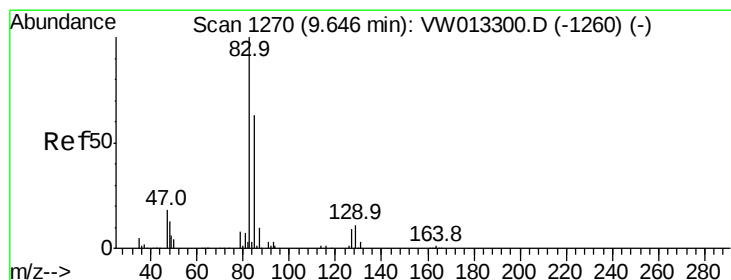
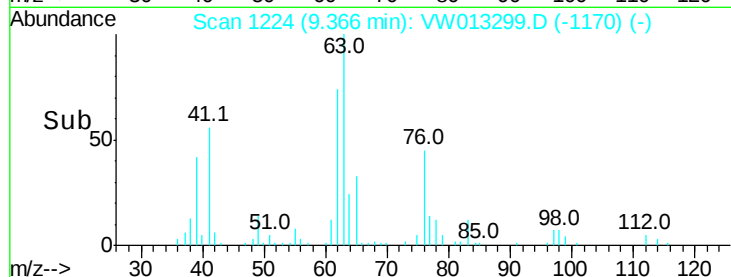
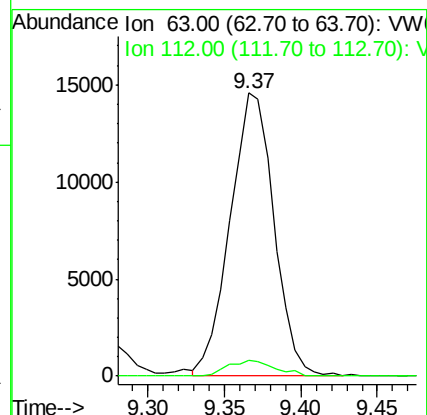
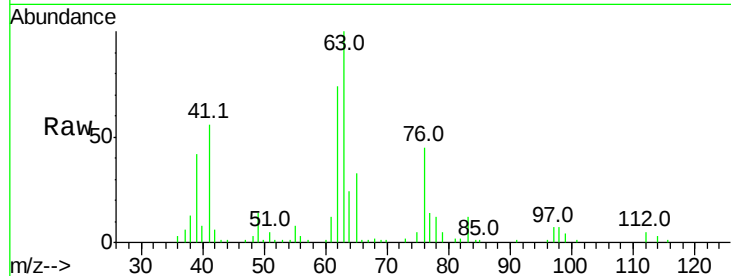




#40
 1,2-Dichloropropane
 Concen: 4.406 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013299.D
 Acq: 26 Sep 2019 10:27

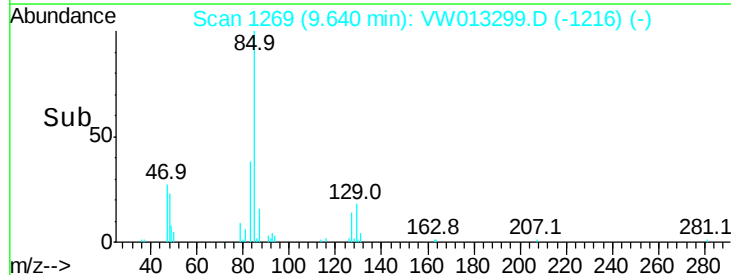
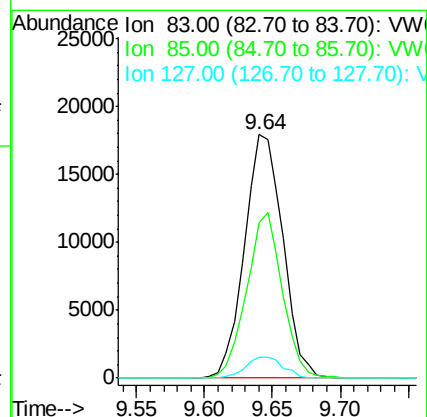
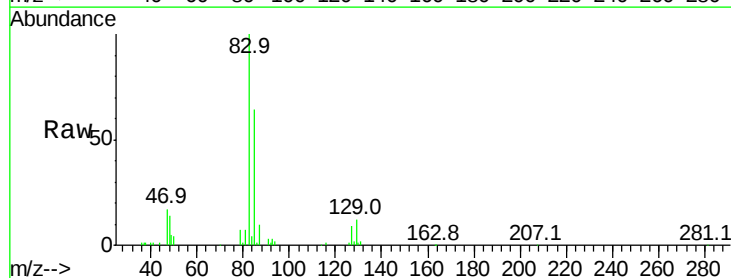
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

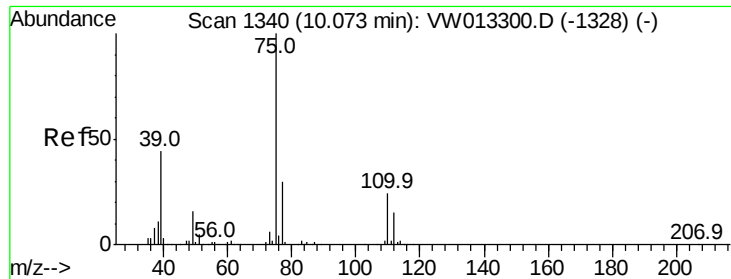
Tgt Ion: 63 Resp: 28998
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.1 6.1



#41
 Bromodichloromethane
 Concen: 4.232 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW013299.D
 Acq: 26 Sep 2019 10:27

Tgt Ion: 83 Resp: 35484
 Ion Ratio Lower Upper
 83 100
 85 63.9 43.8 81.4
 127 8.7 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 4.304 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampled :

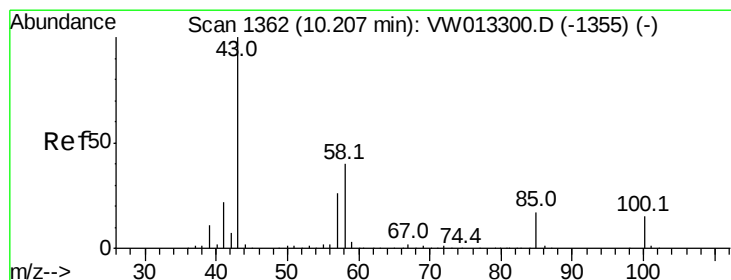
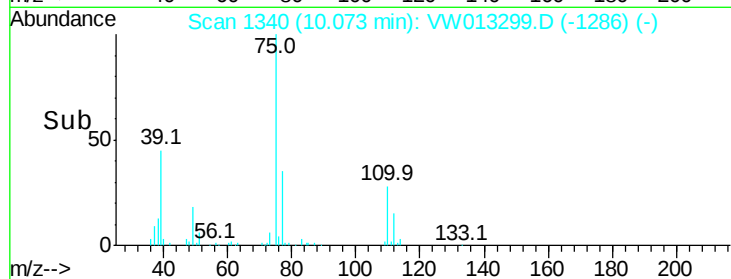
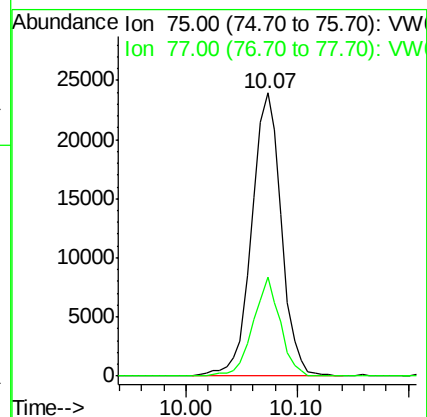
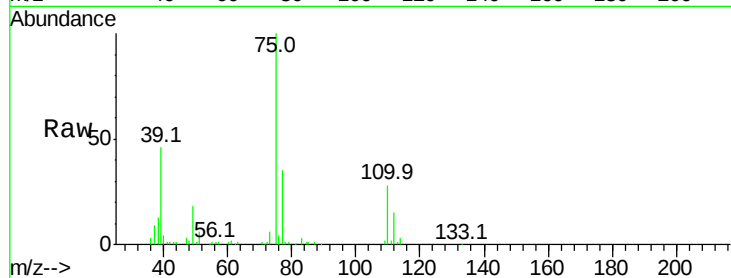
VSTD00502

Tgt Ion: 75 Resp: 44504

Ion Ratio Lower Upper

75 100

77 35.1 21.3 39.5



#43

4-Methyl-2-pentanone

Concen: 10.355 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

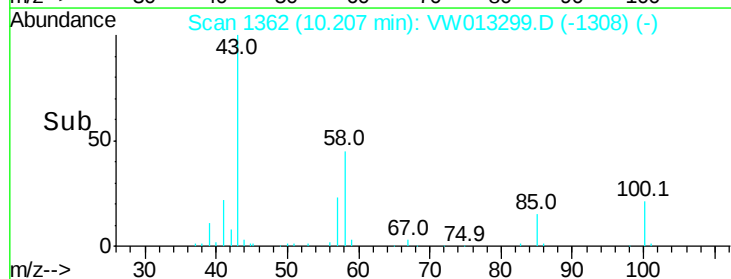
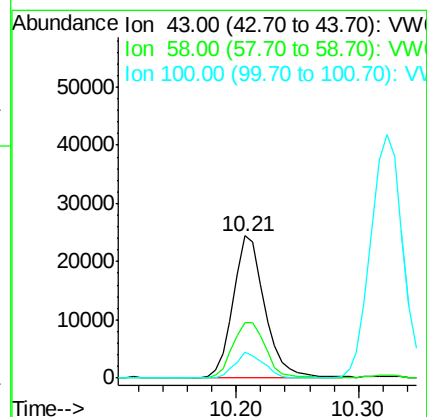
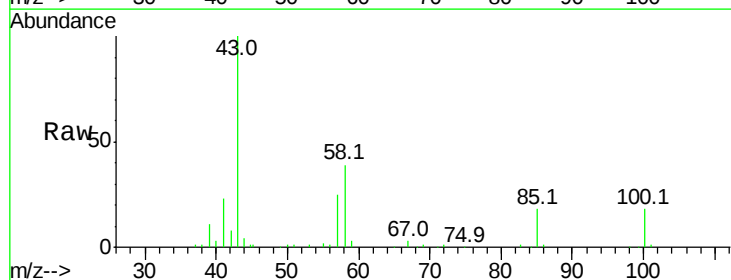
Tgt Ion: 43 Resp: 43355

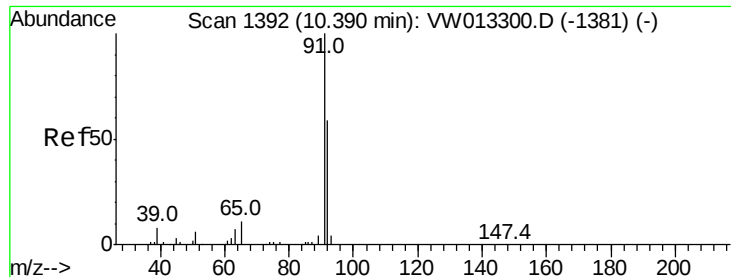
Ion Ratio Lower Upper

43 100

58 41.3 32.7 49.1

100 16.7 12.9 19.3





#44

Toluene

Concen: 4.675 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

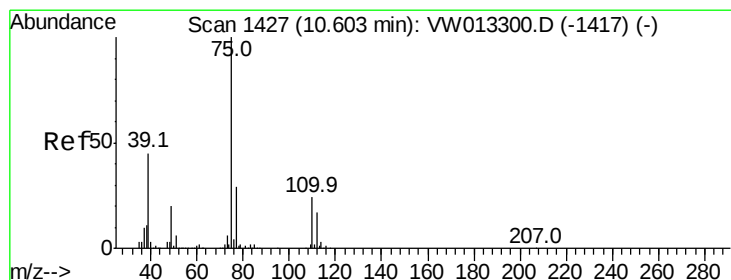
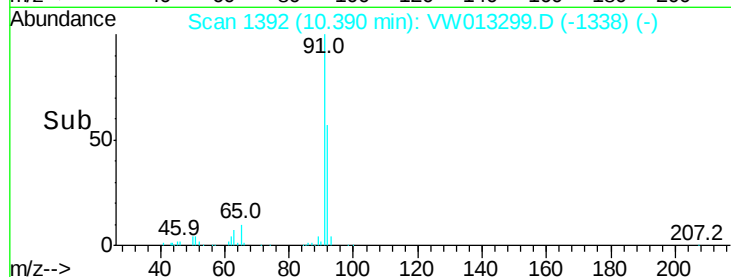
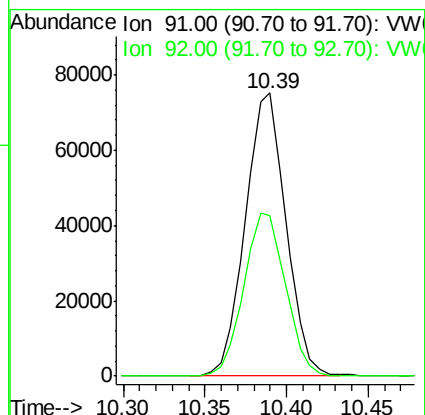
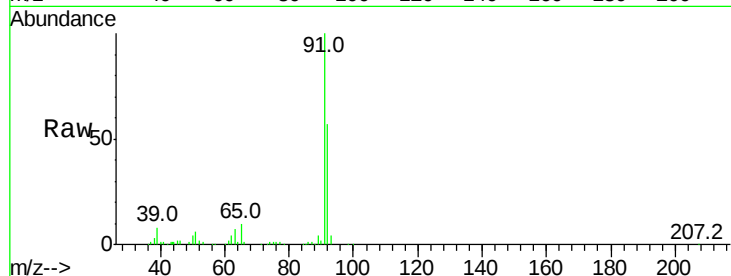
VSTD00502

Tgt Ion: 91 Resp: 130877

Ion Ratio Lower Upper

91 100

92 56.8 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 4.247 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013299.D

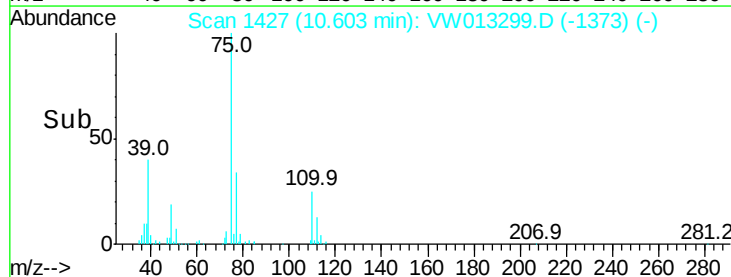
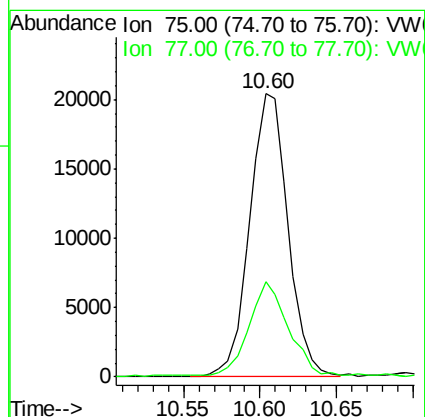
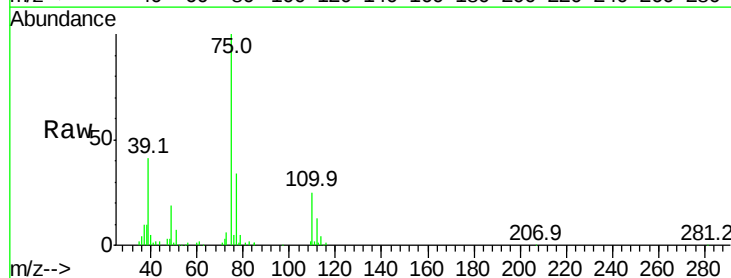
Acq: 26 Sep 2019 10:27

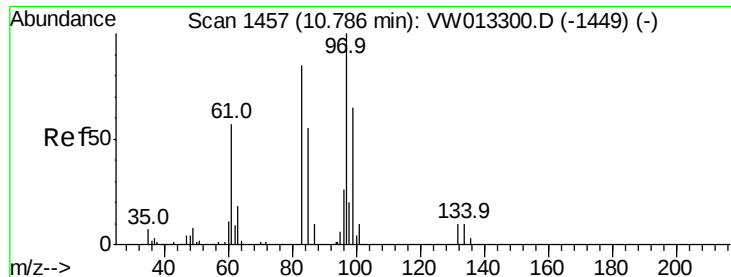
Tgt Ion: 75 Resp: 35598

Ion Ratio Lower Upper

75 100

77 33.8 20.5 38.1





#46

1,1,2-Trichloroethane

Concen: 5.222 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

Tgt Ion: 97 Resp: 23111

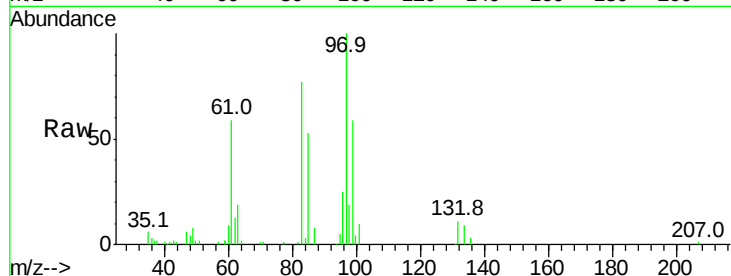
Ion Ratio Lower Upper

97 100

83 76.7 59.4 110.2

85 52.8 38.7 71.9

99 59.3 45.8 85.0

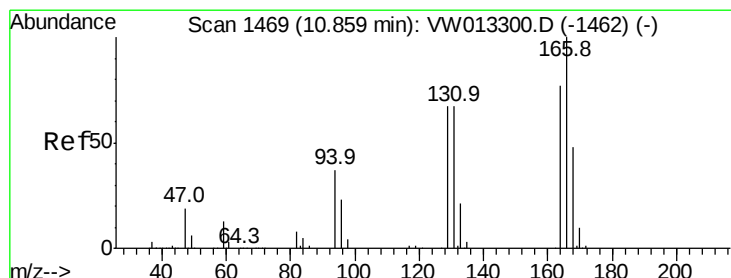
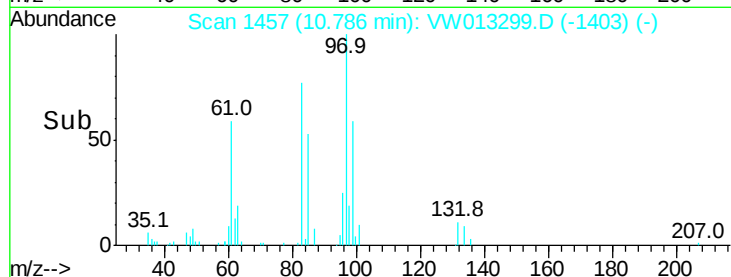
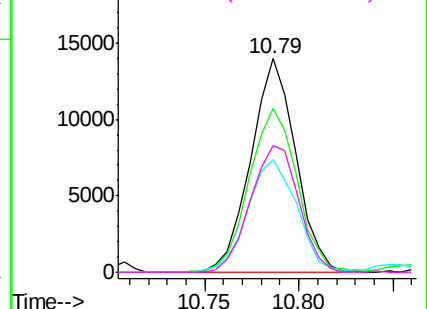


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 4.722 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

Tgt Ion: 164 Resp: 28077

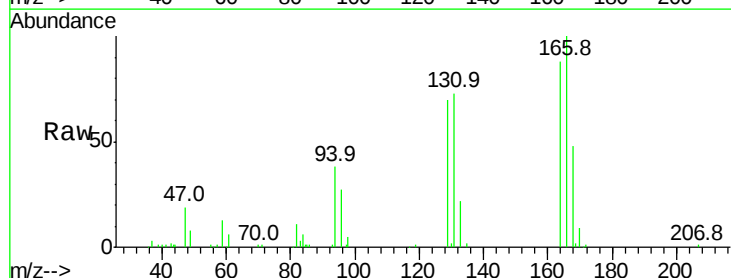
Ion Ratio Lower Upper

164 100

129 80.1 60.5 112.5

131 83.9 60.6 112.6

166 114.2 90.6 168.2

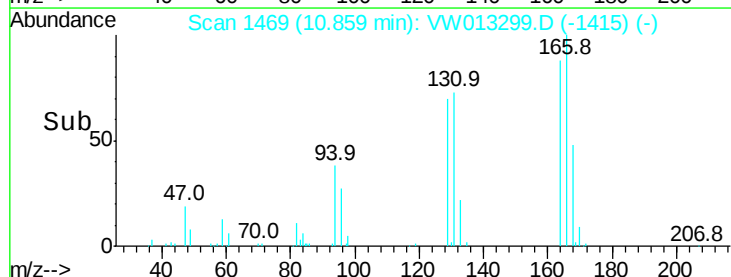
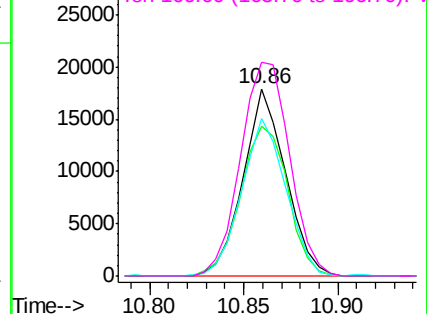


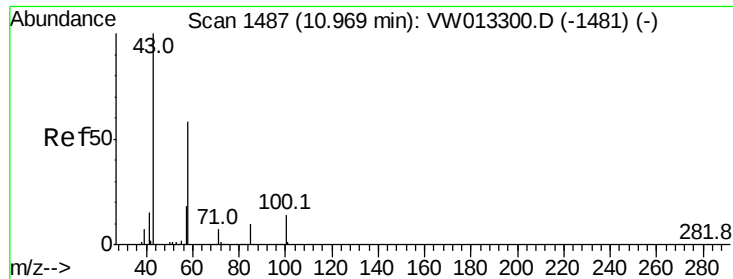
Abundance Ion 164.00 (163.70 to 164.70): V

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

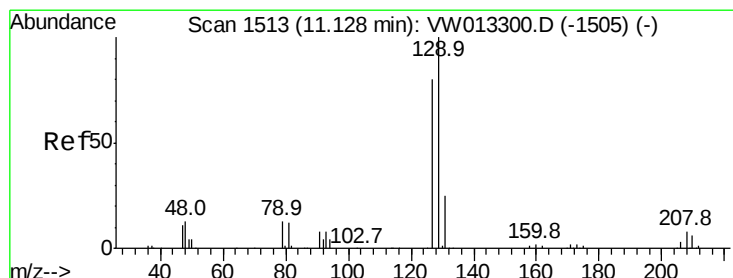
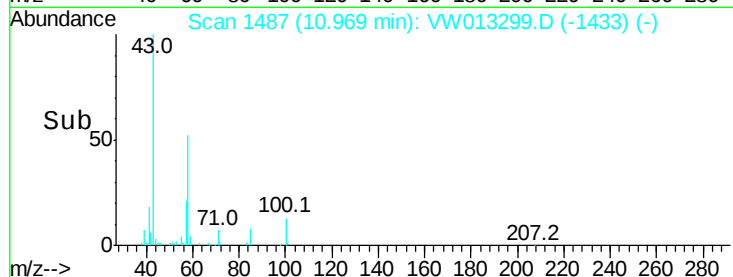
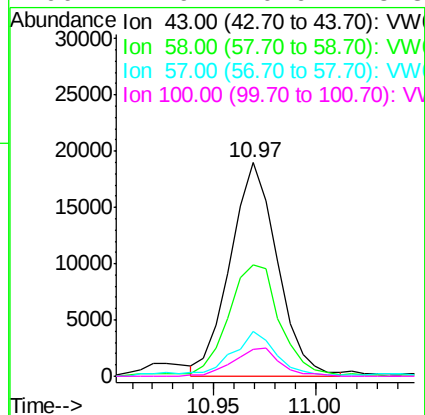
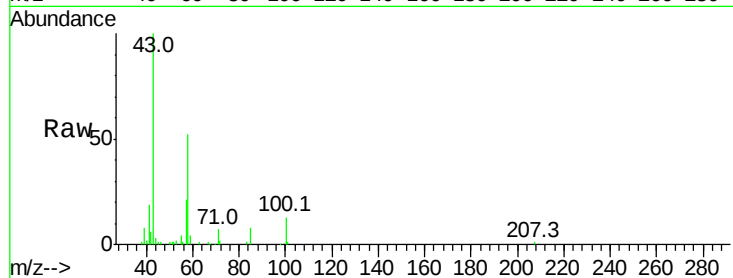




#49
2-Hexanone
Concen: 9.867 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013299.D
Acq: 26 Sep 2019 10:27

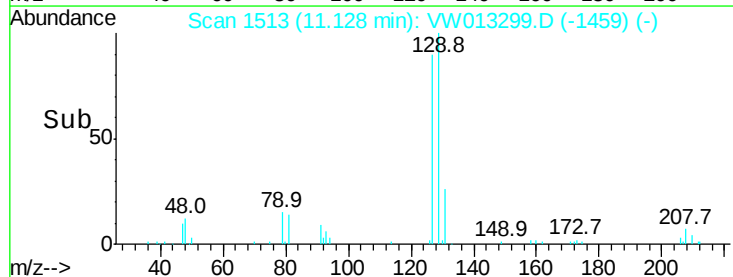
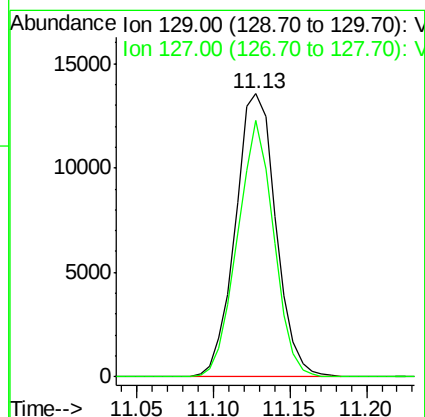
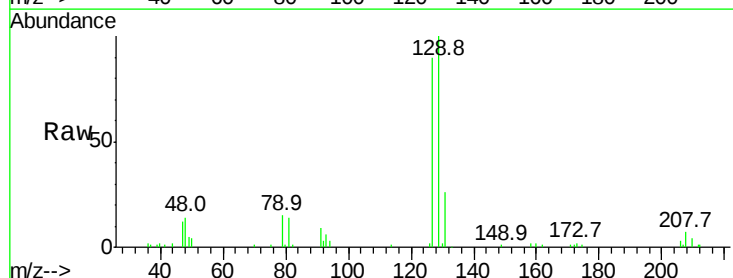
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

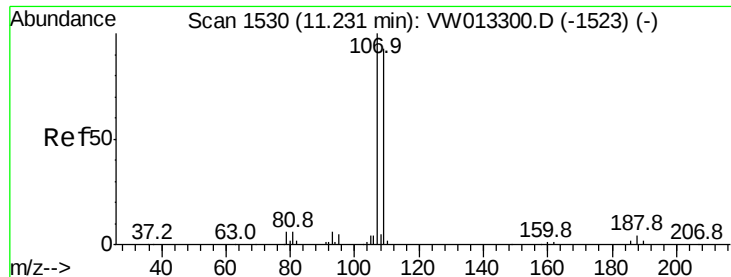
Tgt Ion:	43	Resp:	30538
Ion	Ratio	Lower	Upper
43	100		
58	56.9	44.3	66.5
57	19.3	15.3	22.9
100	12.9	10.6	15.8



#50
Dibromochloromethane
Concen: 4.630 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013299.D
Acq: 26 Sep 2019 10:27

Tgt Ion:	129	Resp:	24955
Ion	Ratio	Lower	Upper
129	100		
127	90.4	56.1	104.1

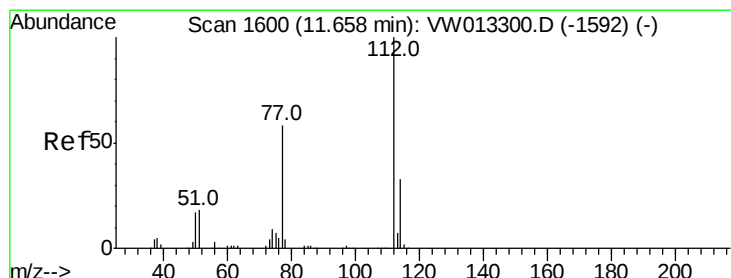
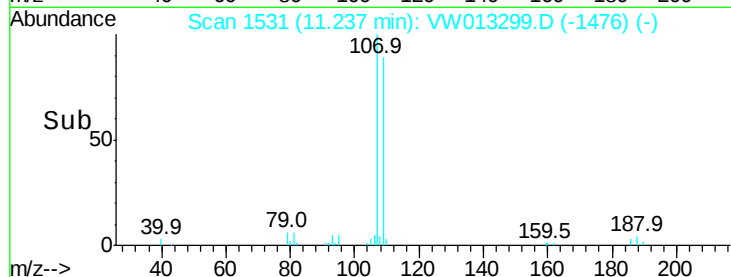
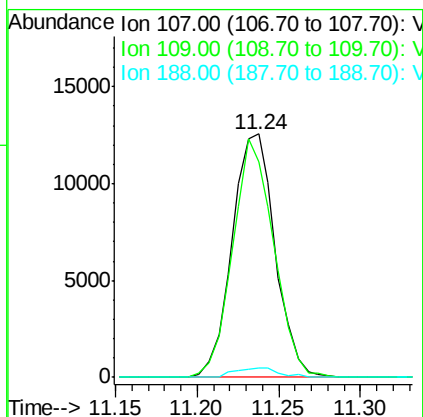
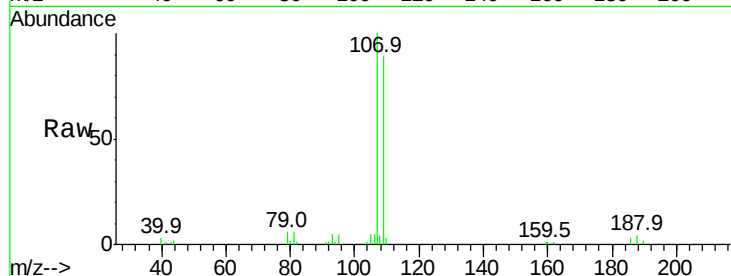




#51
1,2-Dibromoethane
Concen: 5.396 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW013299.D
Acq: 26 Sep 2019 10:27

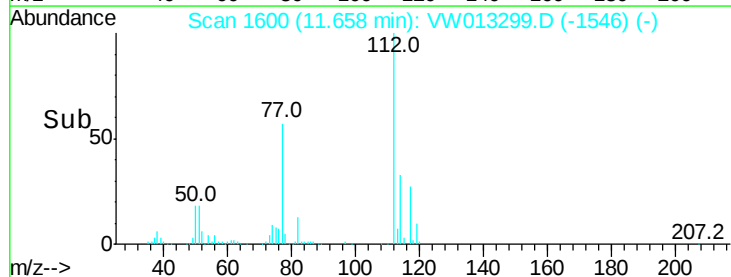
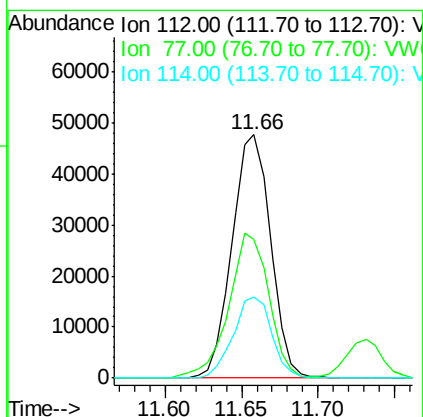
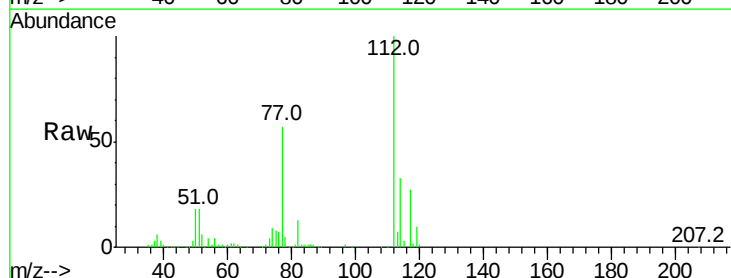
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

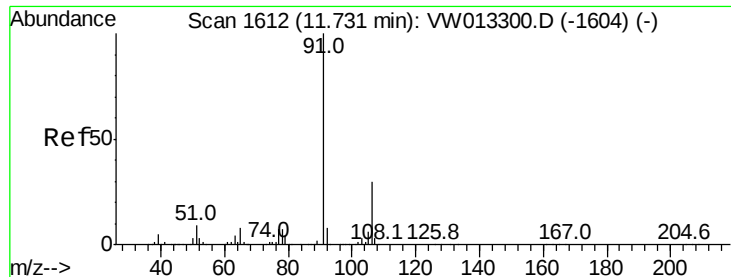
Tgt Ion:107 Resp: 22973
Ion Ratio Lower Upper
107 100
109 88.7 65.5 121.6
188 3.7 3.0 4.6



#52
Chlorobenzene
Concen: 4.767 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013299.D
Acq: 26 Sep 2019 10:27

Tgt Ion:112 Resp: 83396
Ion Ratio Lower Upper
112 100
77 57.2 46.5 69.7
114 33.2 23.0 42.8





#53

Ethylbenzene

Concen: 4.529 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

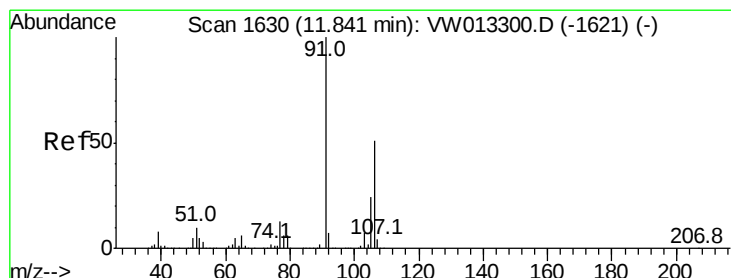
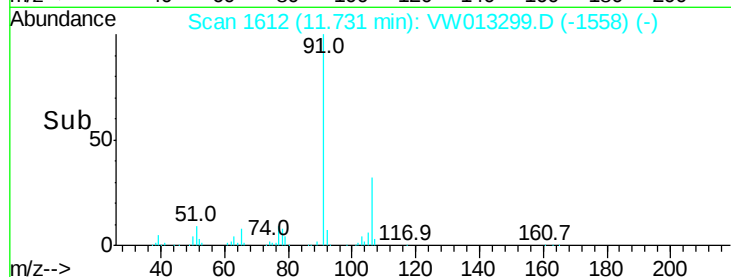
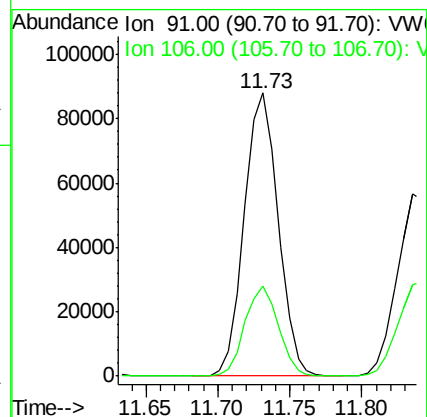
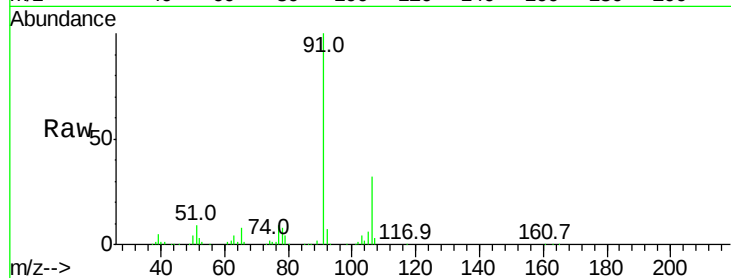
VSTD00502

Tgt Ion: 91 Resp: 143909

Ion Ratio Lower Upper

91 100

106 31.8 20.8 38.6



#54

m,p-Xylene

Concen: 4.738 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW013299.D

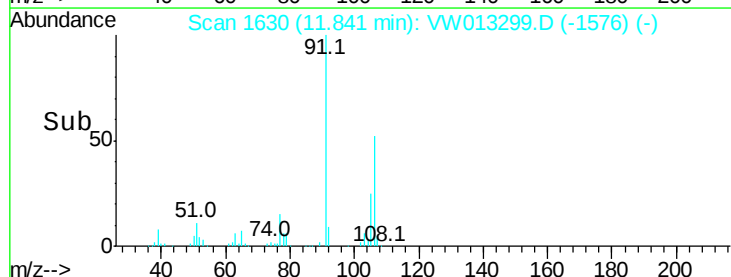
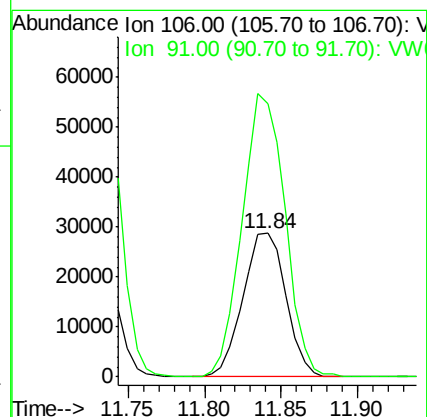
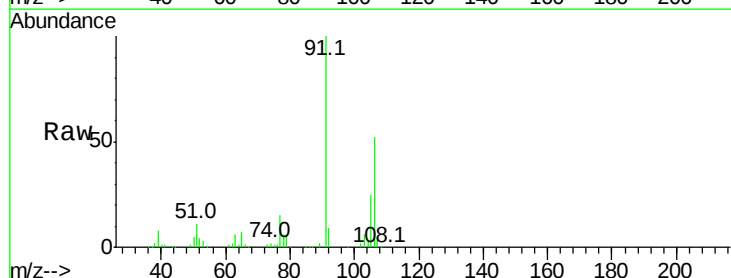
Acq: 26 Sep 2019 10:27

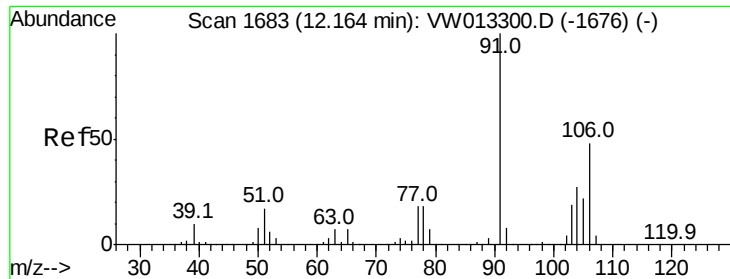
Tgt Ion: 106 Resp: 56288

Ion Ratio Lower Upper

106 100

91 190.8 138.3 256.9

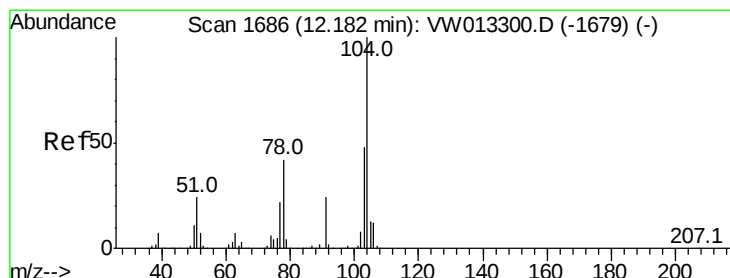
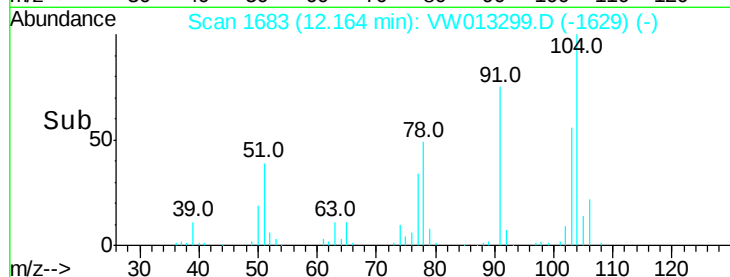
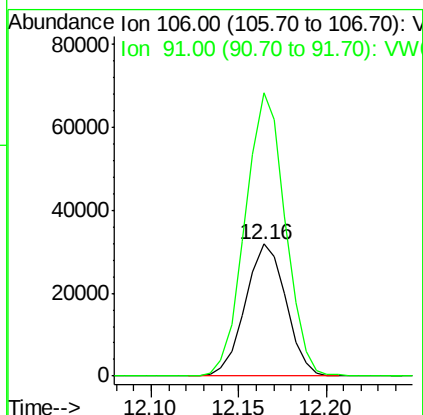
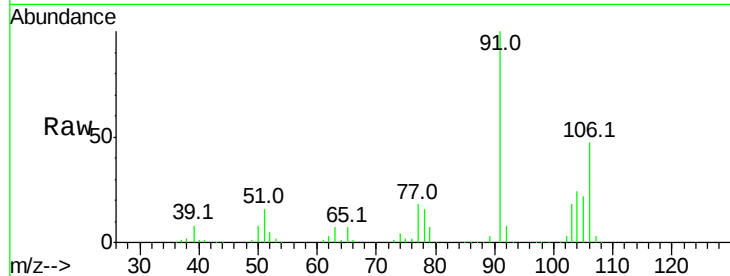




#55
o-xylene
Concen: 4.607 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013299.D
Acq: 26 Sep 2019 10:27

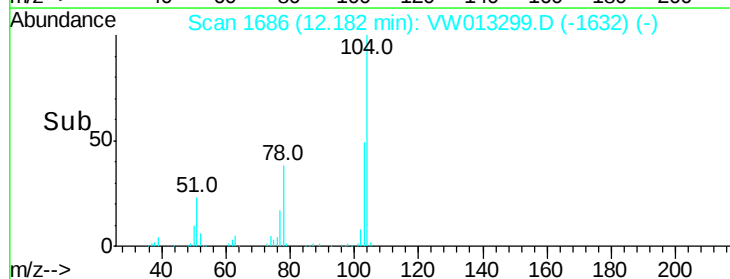
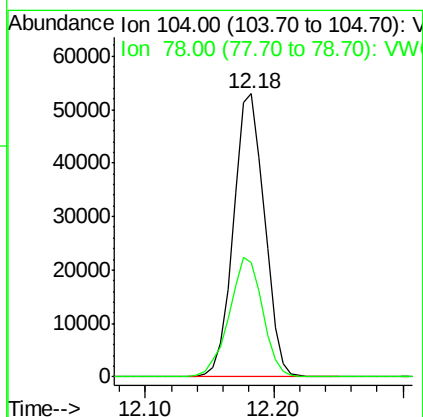
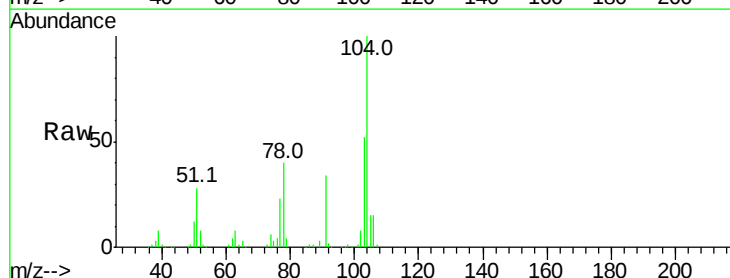
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

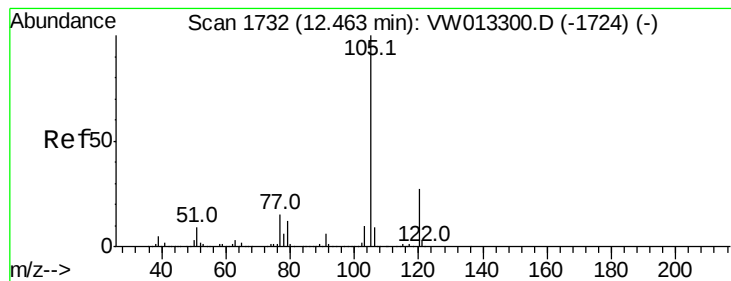
Tgt Ion:106 Resp: 51484
Ion Ratio Lower Upper
106 100
91 214.3 145.9 271.1



#56
Styrene
Concen: 4.653 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013299.D
Acq: 26 Sep 2019 10:27

Tgt Ion:104 Resp: 88494
Ion Ratio Lower Upper
104 100
78 40.3 29.8 55.4





#57

Isopropylbenzene

Concen: 4.559 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

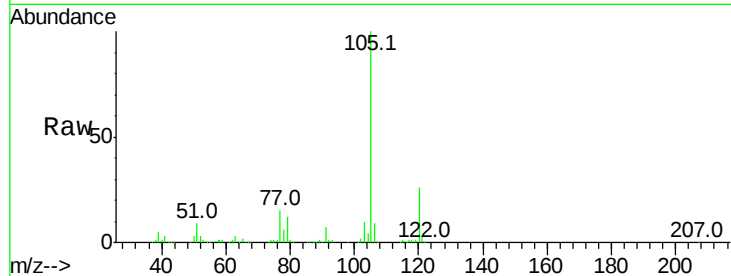
Tgt Ion:105 Resp: 139935

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.2

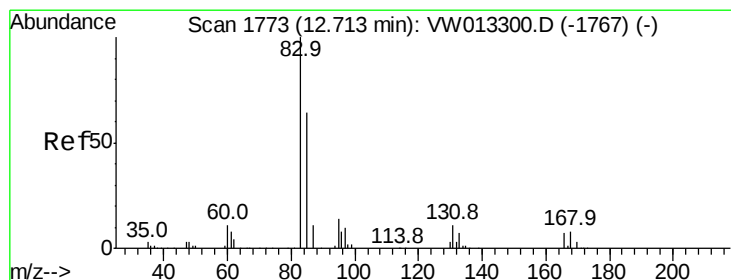
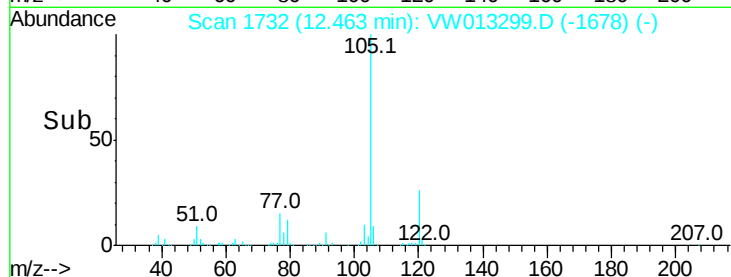
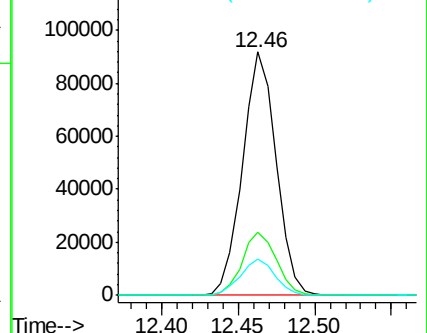
77 15.4 11.8 17.6



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: 5.654 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

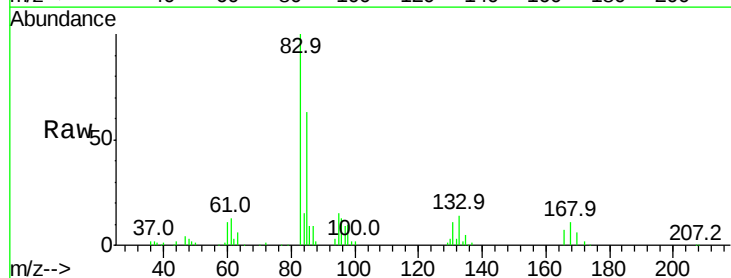
Tgt Ion: 83 Resp: 28464

Ion Ratio Lower Upper

83 100

85 63.1 45.2 84.0

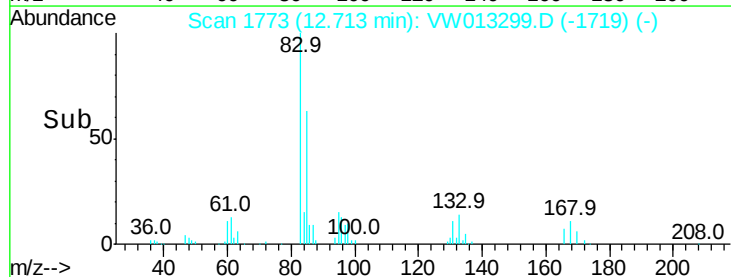
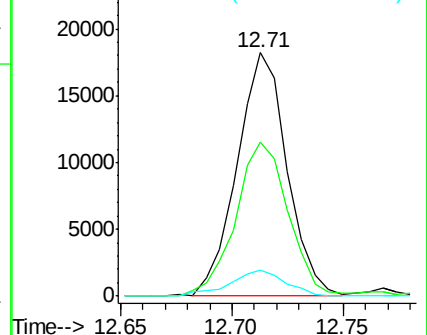
131 10.6 8.9 13.3

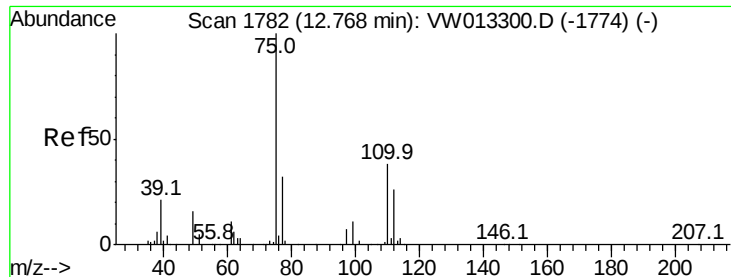


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.518 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampled :

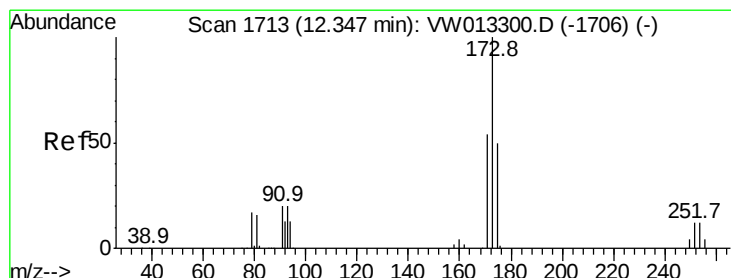
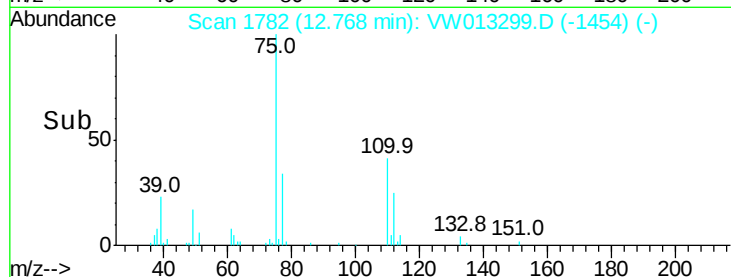
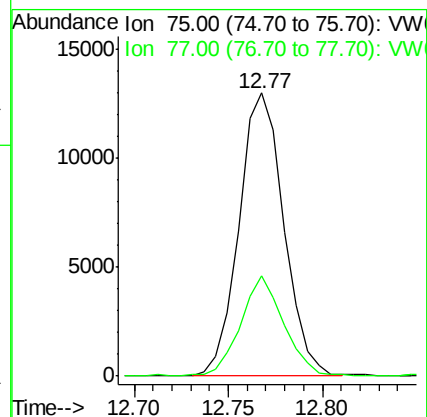
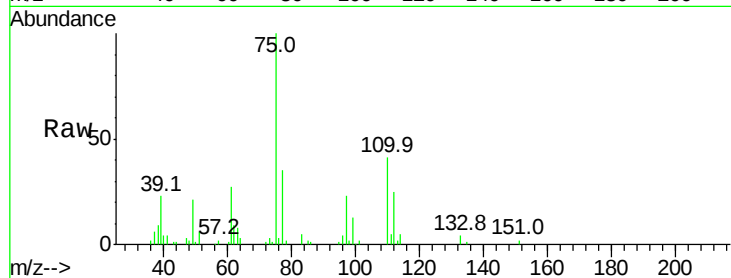
VSTD00502

Tgt Ion: 75 Resp: 21405

Ion Ratio Lower Upper

75 100

77 34.1 25.8 38.8



#62

Bromoform

Concen: 5.233 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

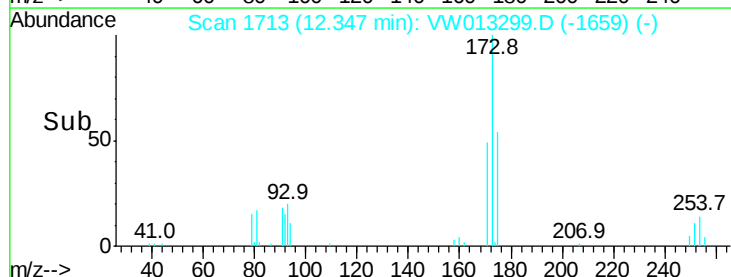
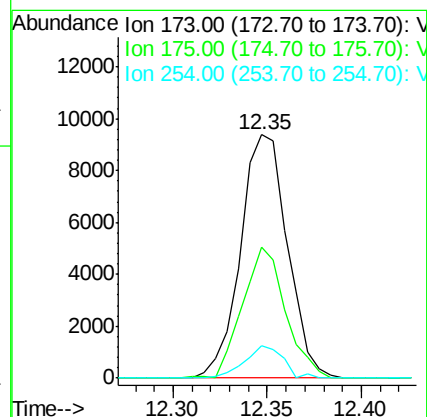
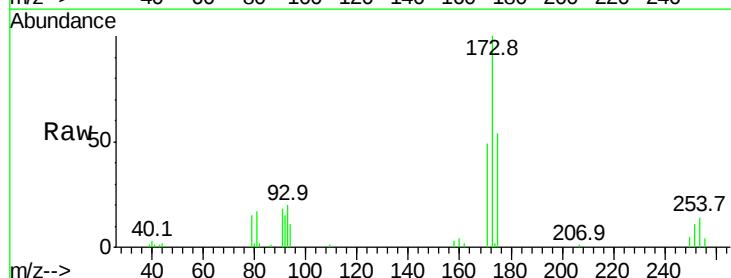
Tgt Ion: 173 Resp: 16221

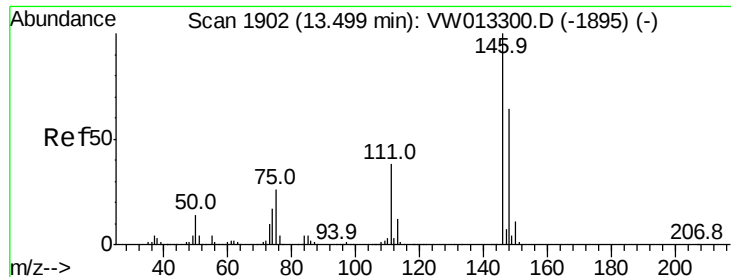
Ion Ratio Lower Upper

173 100

175 48.9 39.3 58.9

254 10.4 9.1 13.7

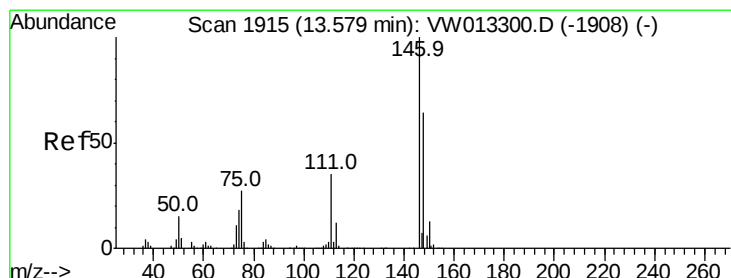
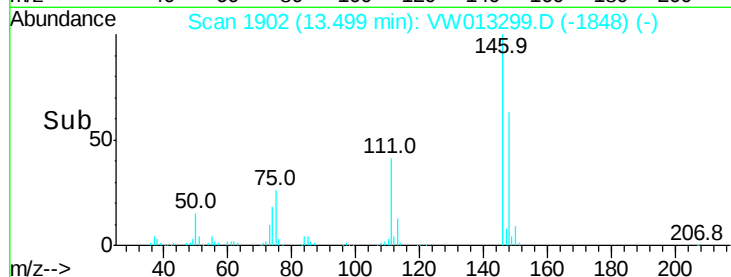
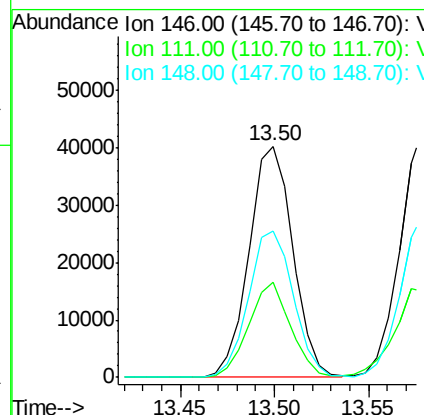
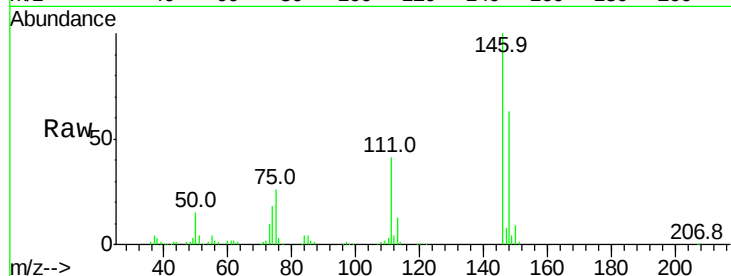




#63
 1,3-Dichlorobenzene
 Concen: 4.733 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013299.D
 Acq: 26 Sep 2019 10:27

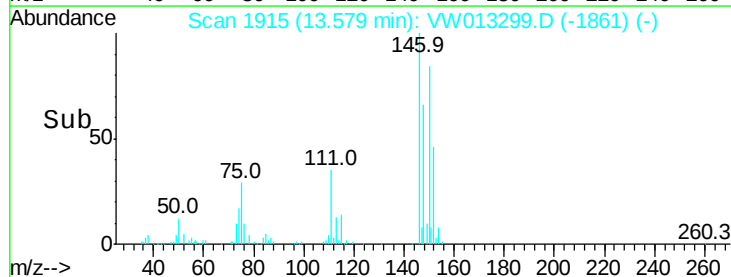
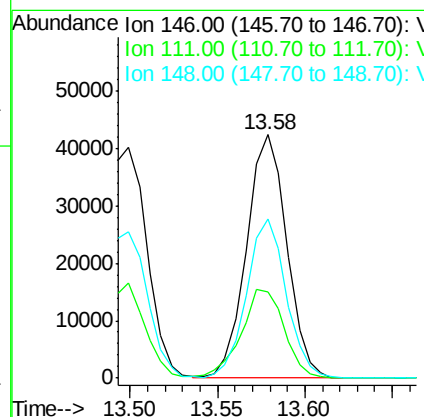
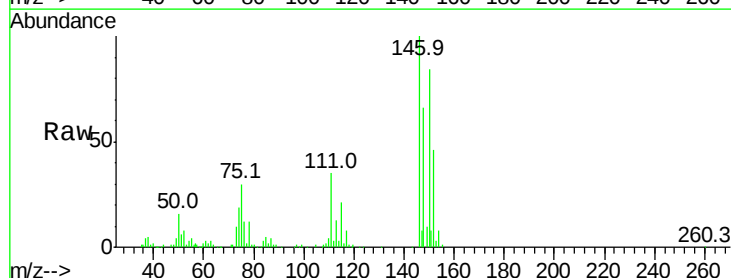
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

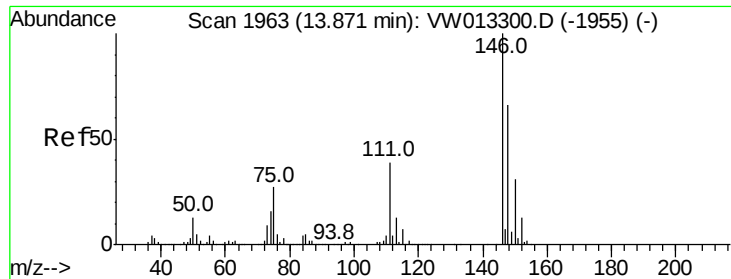
Tgt Ion:146 Resp: 65036
 Ion Ratio Lower Upper
 146 100
 111 41.0 26.7 49.5
 148 63.1 45.0 83.6



#64
 1,4-Dichlorobenzene
 Concen: 4.957 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013299.D
 Acq: 26 Sep 2019 10:27

Tgt Ion:146 Resp: 67956
 Ion Ratio Lower Upper
 146 100
 111 35.2 24.2 45.0
 148 65.6 45.1 83.7

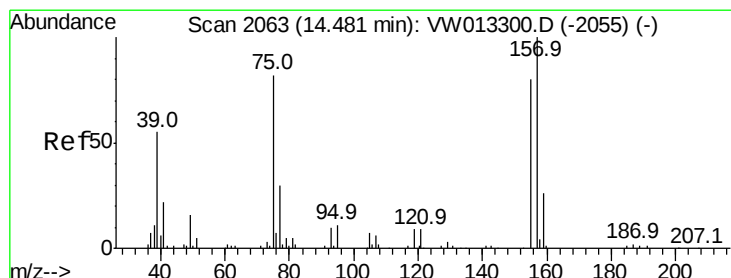
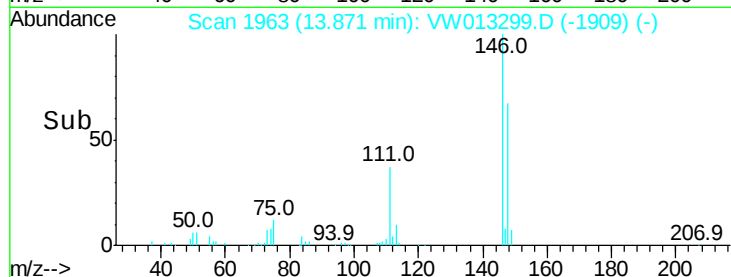
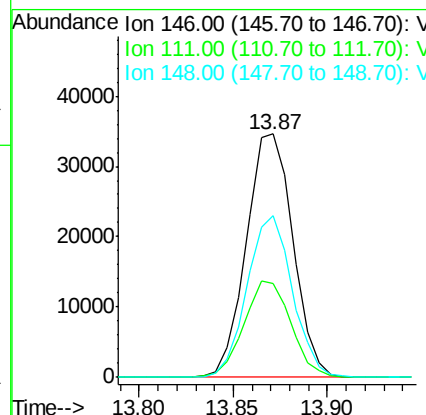
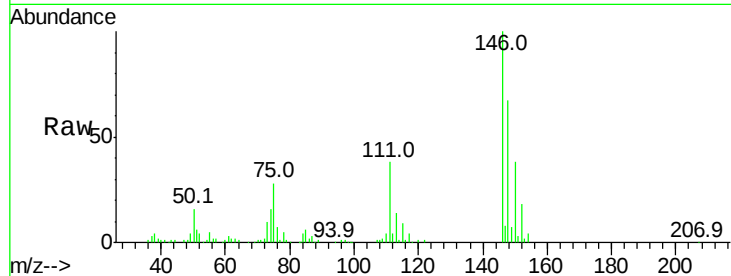




#65
 1,2-Dichlorobenzene
 Concen: 4.823 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013299.D
 Acq: 26 Sep 2019 10:27

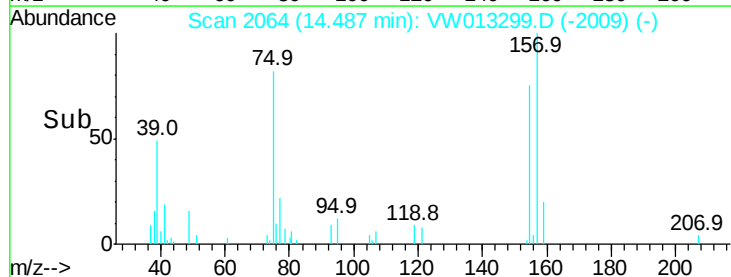
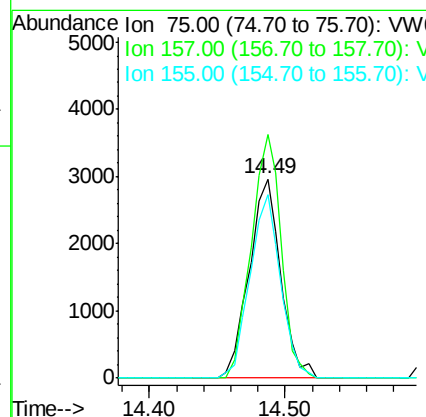
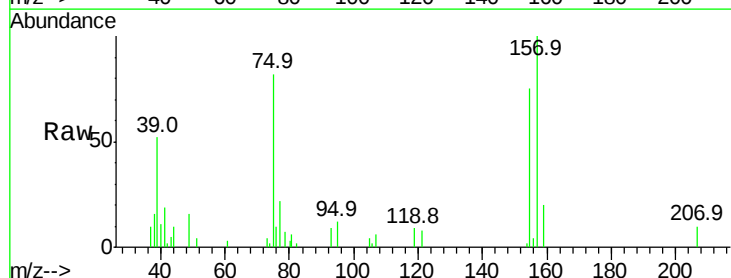
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

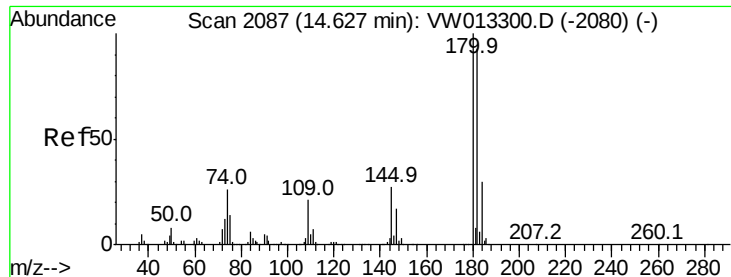
Tgt Ion: 146 Resp: 59435
 Ion Ratio Lower Upper
 146 100
 111 38.4 30.8 46.2
 148 66.6 52.5 78.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.641 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013299.D
 Acq: 26 Sep 2019 10:27

Tgt Ion: 75 Resp: 4817
 Ion Ratio Lower Upper
 75 100
 157 122.2 97.8 146.8
 155 91.9 78.4 117.6

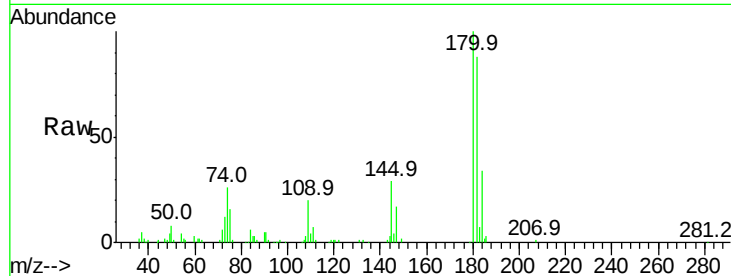




#67
 1,3,5-Trichlorobenzene
 Concen: 4.791 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013299.D
 Acq: 26 Sep 2019 10:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

Tgt Ion:	180	Resp:	50634
Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.4	114.6
184	30.3	23.9	35.9
145	28.3	21.7	32.5

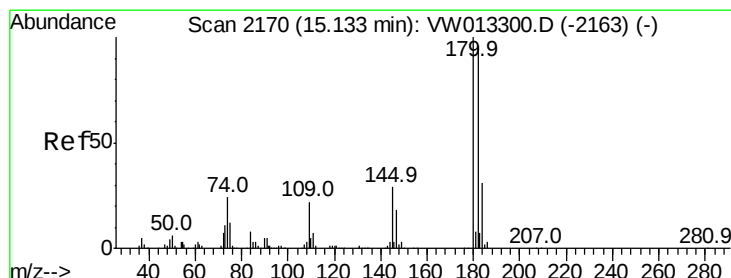
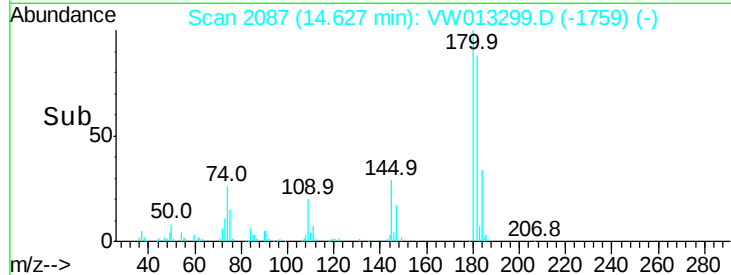
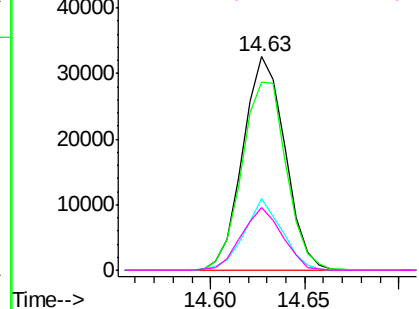


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

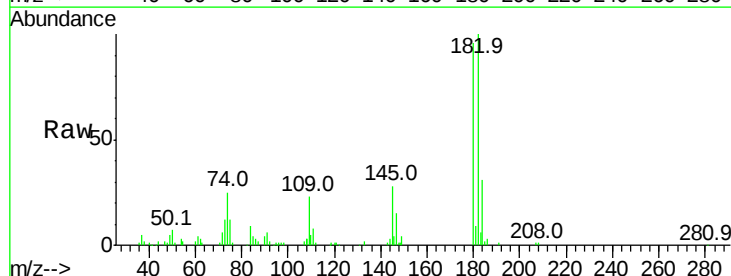
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.509 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013299.D
 Acq: 26 Sep 2019 10:27

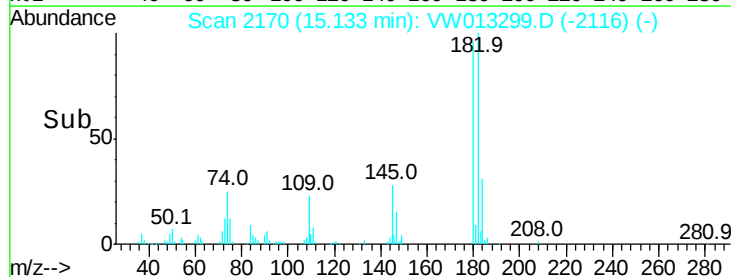
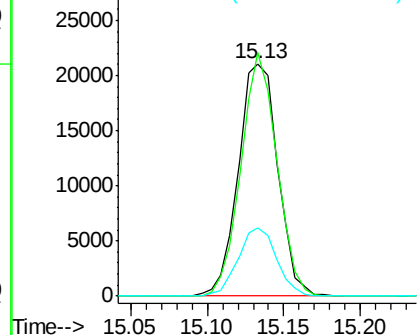
Tgt Ion:	180	Resp:	37781
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.9	113.9
145	28.5	23.0	34.4

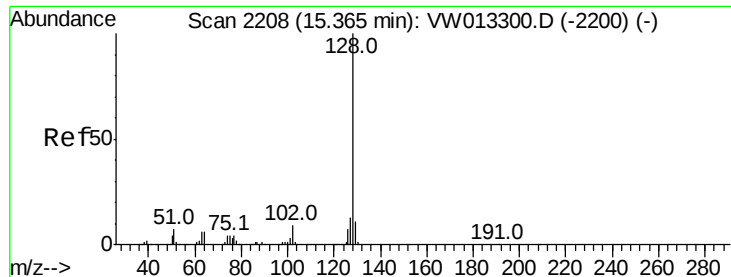


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 4.926 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD00502

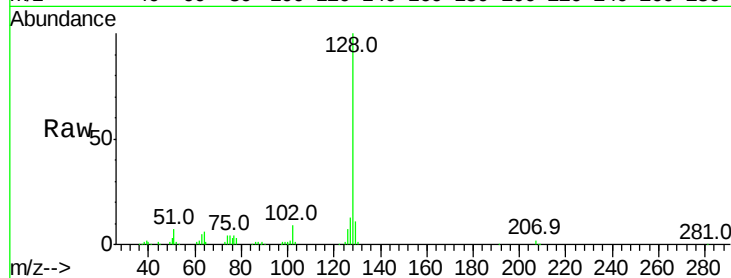
Tgt Ion:128 Resp: 66845

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

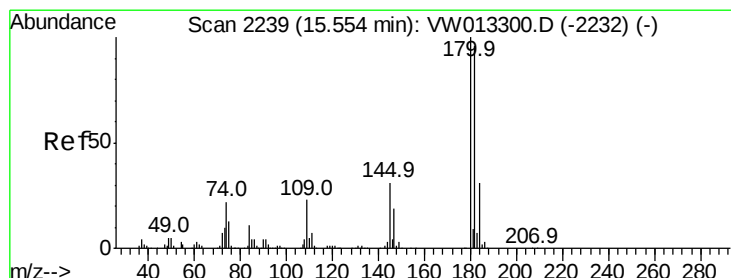
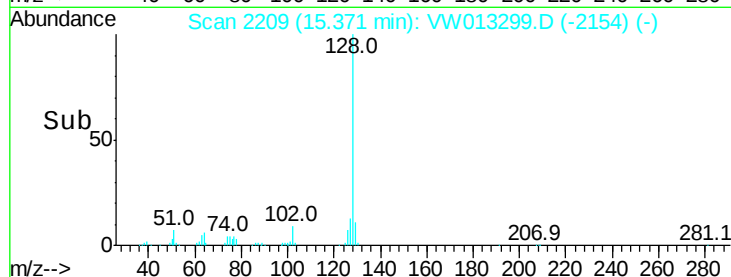
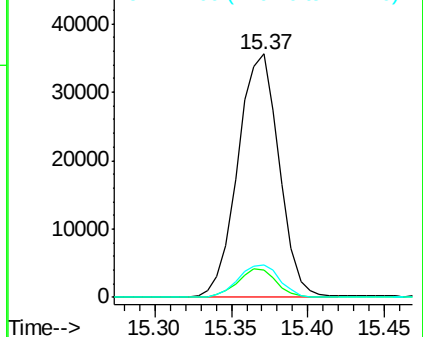
127 13.7 10.6 15.8



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: 4.698 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013299.D

Acq: 26 Sep 2019 10:27

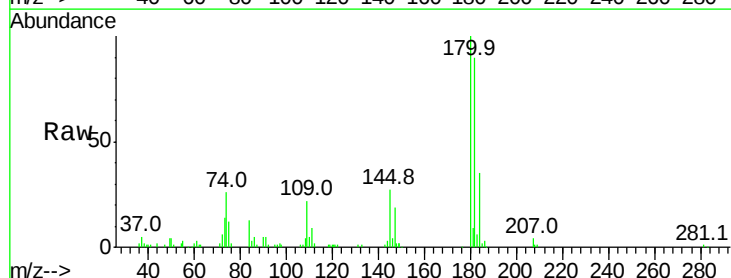
Tgt Ion:180 Resp: 34732

Ion Ratio Lower Upper

180 100

182 96.8 78.2 117.4

145 30.2 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

