

Data File : VW012929.D
Acq On : 12 Sep 2019 11:49
Operator : SY/VA
Sample : VSTD02503
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

Quant Time: Sep 12 12:19:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091219S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 12 11:54:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	409977	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	364362	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	182978	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	105652	18.30	ug/L	0.00
7) Chloroethane-d5	2.89	69	87324	21.00	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	251209	18.98	ug/L	0.00
20) 2-Butanone-d5	7.07	46	73552	28.29	ug/L	0.00
24) Chloroform-d	7.65	84	253679	22.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	134094	20.12	ug/L	0.00
29) Benzene-d6	8.27	84	458346	20.00	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	148360	20.06	ug/L	0.00
37) Toluene-d8	10.32	98	433660	21.33	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	65992	20.36	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	55055	31.87	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	108492	17.66	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	169021	23.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	95159	20.710 ug/L	96
3) Chloromethane	2.21	50	112907	18.892 ug/L	98
5) Vinyl chloride	2.36	62	148742	19.506 ug/L	100
6) Bromomethane	2.78	94	88018	24.484 ug/L	99
8) Chloroethane	2.92	64	88808	22.269 ug/L	100
9) Trichlorofluoromethane	3.26	101	86706	22.322 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	128976	21.901 ug/L	95
12) 1,1-Dichloroethene	4.04	96	125973	21.394 ug/L	94
13) Acetone	4.12	43	66328	23.825 ug/L	94
14) Carbon disulfide	4.38	76	388445	20.255 ug/L	98
15) Methyl Acetate	4.67	43	60134	13.211 ug/L	95
16) Methylene chloride	4.92	84	131000	20.476 ug/L	90
17) Methyl tert-butyl Ether	5.42	73	213385	21.761 ug/L	96
18) trans-1,2-Dichloroethene	5.42	96	135121	22.211 ug/L	91
19) 1,1-Dichloroethane	6.21	63	254398	20.933 ug/L	99
21) 2-Butanone	7.17	43	86155	24.683 ug/L	92
22) cis-1,2-Dichloroethene	7.17	96	140797	22.122 ug/L	95
23) Bromochloromethane	7.51	128	59974	22.147 ug/L	84
25) Chloroform	7.67	83	251643	22.465 ug/L	100
27) 1,2-Dichloroethane	8.40	62	169689	20.463 ug/L	98
30) Cyclohexane	7.95	56	252698	19.952 ug/L	93
31) 1,1,1-Trichloroethane	7.87	97	210790	23.743 ug/L	95
32) Carbon tetrachloride	8.07	117	197085	23.597 ug/L	99
34) Benzene	8.32	78	554089	21.701 ug/L	100
35) Trichloroethene	9.09	95	144909	22.355 ug/L	96
36) Methylcyclohexane	9.34	83	256960	21.851 ug/L	96
40) 1,2-Dichloropropane	9.37	63	139047	20.401 ug/L #	97
41) Bromodichloromethane	9.64	83	176730	21.974 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	219497	21.531 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	170883	27.672 ug/L #	96

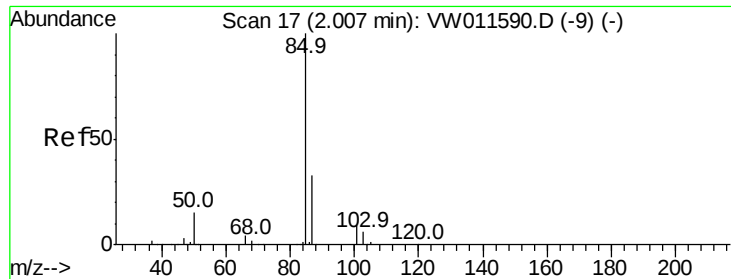
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Quant Title : VOC Analysis
QLast Update : Thu Sep 12 11:54:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	596404	22.991	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	177836	20.966	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	91244	19.636	ug/L	97
47) Tetrachloroethene	10.86	164	122326	24.706	ug/L	96
49) 2-Hexanone	10.97	43	128602	27.030	ug/L	93
50) Dibromochloromethane	11.13	129	113455	22.151	ug/L	100
51) 1,2-Dibromoethane	11.23	107	88447	19.561	ug/L #	95
52) Chlorobenzene	11.66	112	362632	23.170	ug/L	96
53) Ethylbenzene	11.73	91	670180	23.166	ug/L	98
54) m,p-Xylene	11.83	106	250742	23.836	ug/L	96
55) o-xylene	12.16	106	237796	24.020	ug/L	96
56) Styrene	12.18	104	405806	24.110	ug/L	97
57) Isopropylbenzene	12.46	105	657509	24.141	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	101451	16.429	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	79093	16.607	ug/L	99
62) Bromoform	12.35	173	63834	19.499	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	288176	23.204	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	285224	22.870	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	256616	22.819	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	16950	14.563	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	225691	24.691	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	183775	24.964	ug/L	96
69) Naphthalene	15.36	128	300729	20.286	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	159546	23.401	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 20.710 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

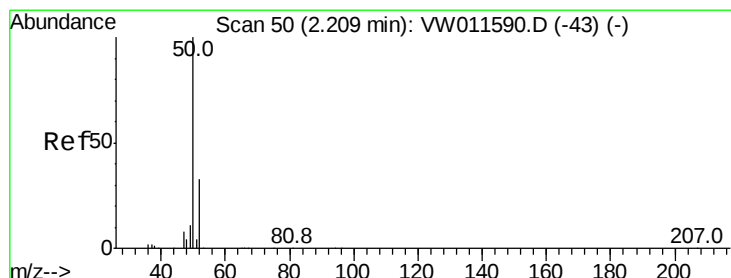
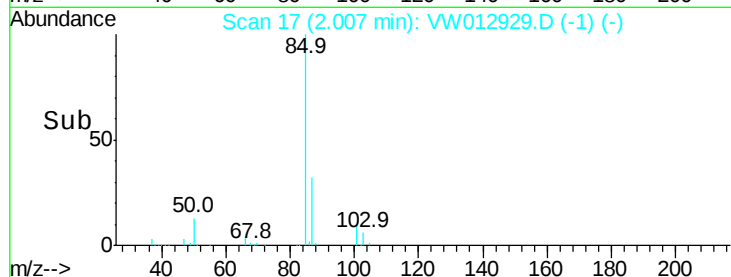
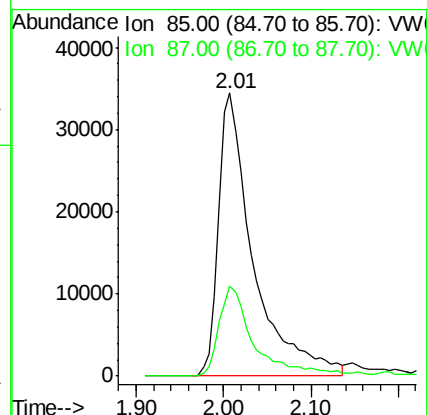
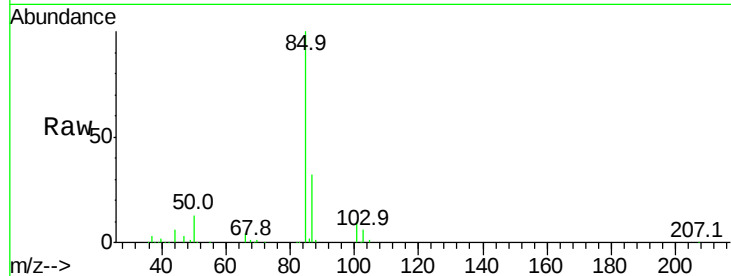
VSTD02503

Tgt Ion: 85 Resp: 95159

Ion Ratio Lower Upper

85 100

87 28.7 21.8 40.6



#3

Chloromethane

Concen: 18.892 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012929.D

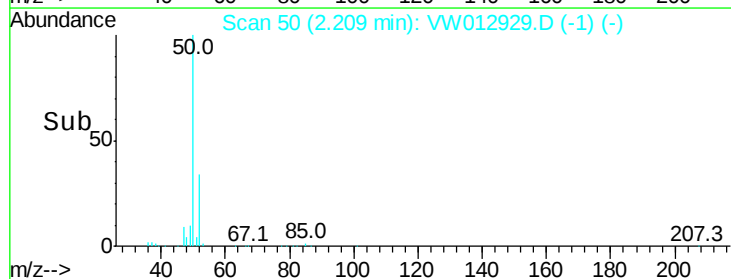
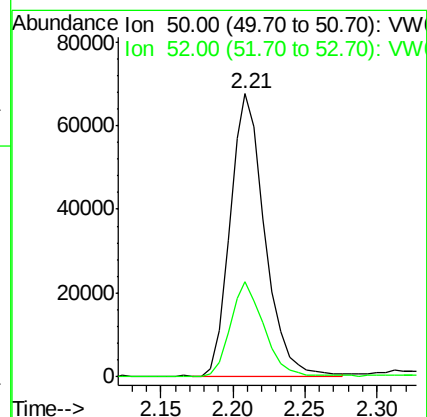
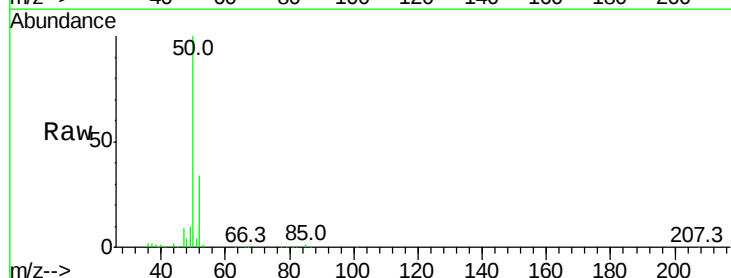
Acq: 12 Sep 2019 11:49

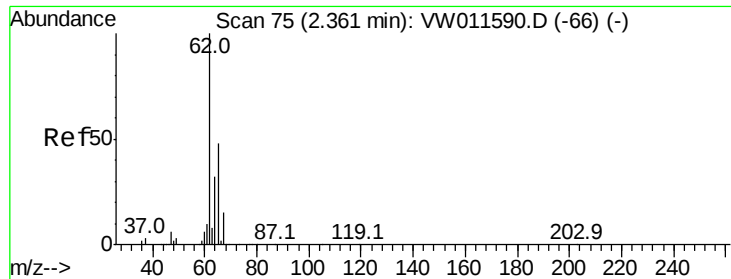
Tgt Ion: 50 Resp: 112907

Ion Ratio Lower Upper

50 100

52 33.6 22.7 42.1





#5

Vinyl chloride

Concen: 19.506 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

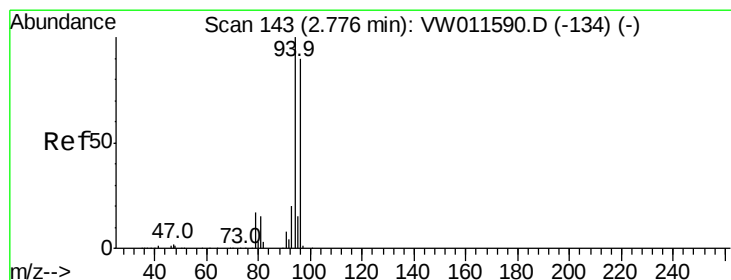
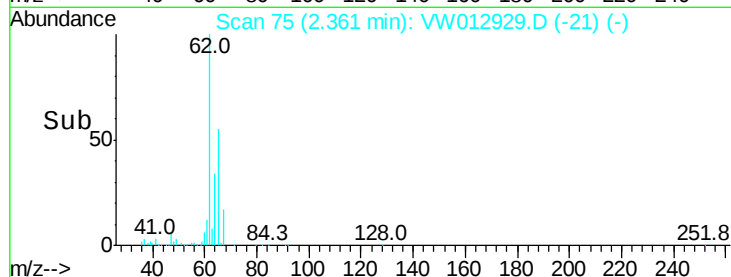
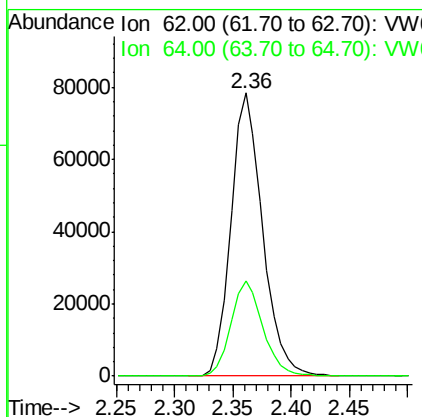
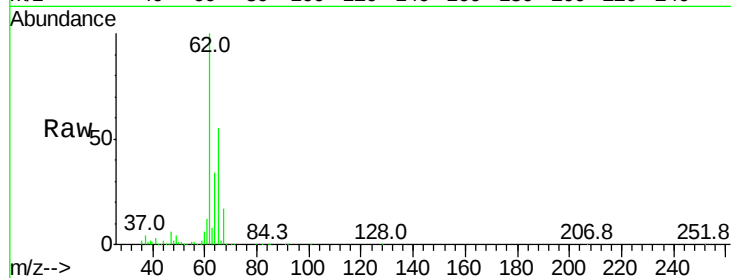
VSTD02503

Tgt Ion: 62 Resp: 148742

Ion Ratio Lower Upper

62 100

64 33.9 23.6 43.8



#6

Bromomethane

Concen: 24.484 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW012929.D

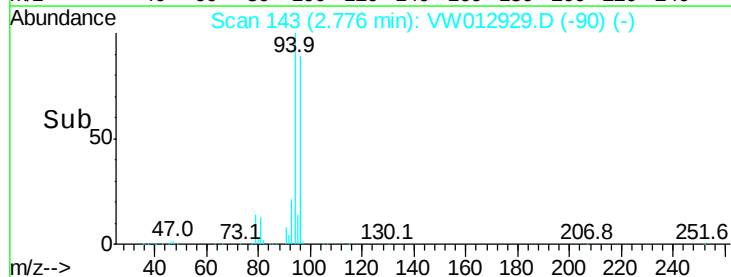
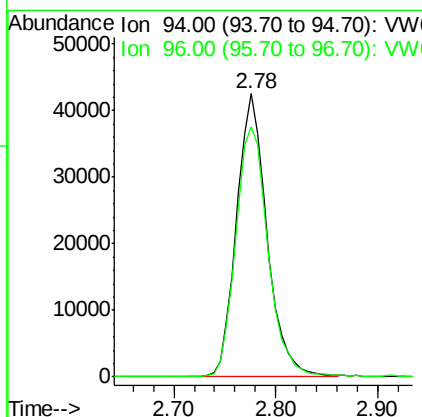
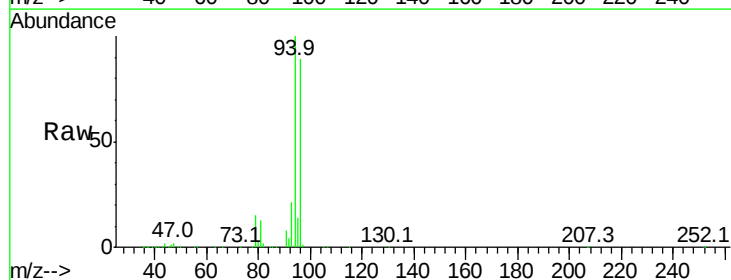
Acq: 12 Sep 2019 11:49

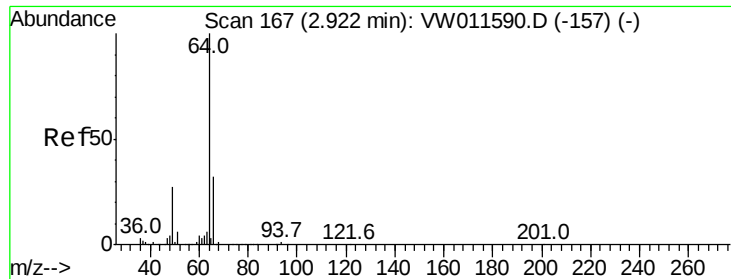
Tgt Ion: 94 Resp: 88018

Ion Ratio Lower Upper

94 100

96 93.1 9.3 175.9





#8

Chloroethane

Concen: 22.269 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

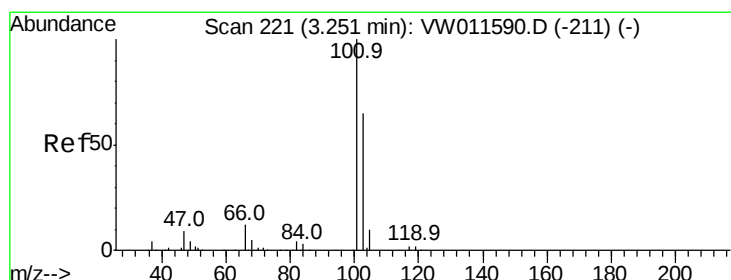
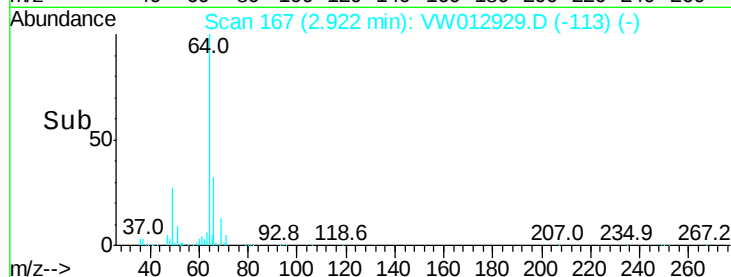
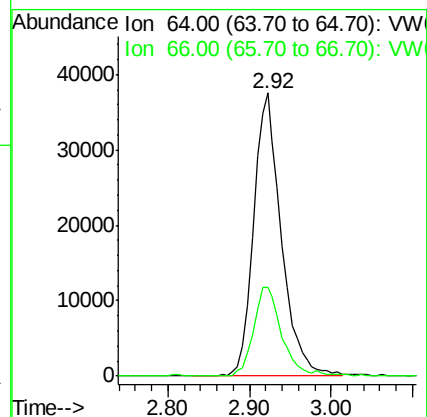
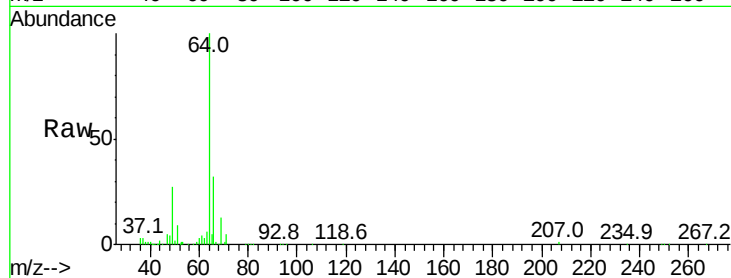
VSTD02503

Tgt Ion: 64 Resp: 88808

Ion Ratio Lower Upper

64 100

66 31.6 22.0 40.8



#9

Trichlorofluoromethane

Concen: 22.322 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW012929.D

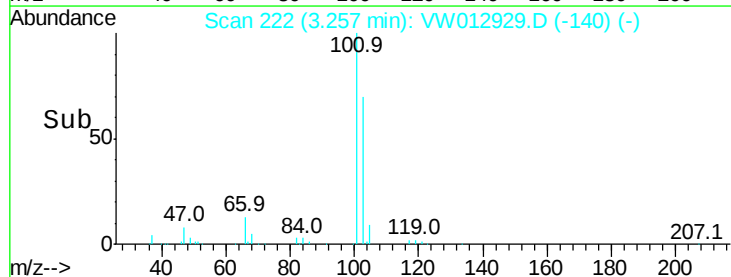
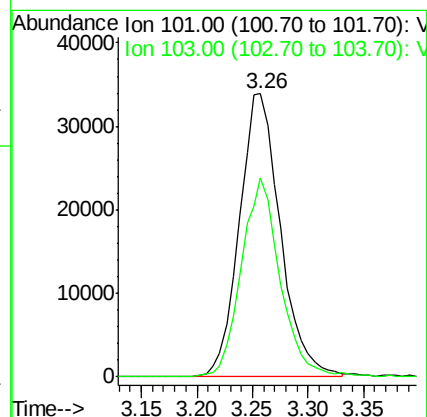
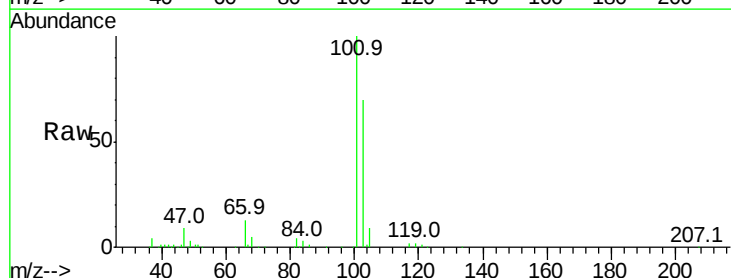
Acq: 12 Sep 2019 11:49

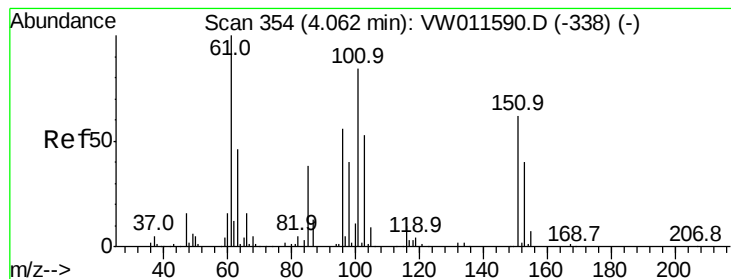
Tgt Ion: 101 Resp: 86706

Ion Ratio Lower Upper

101 100

103 65.6 44.3 82.3





#11

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

Concen: 21.901 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

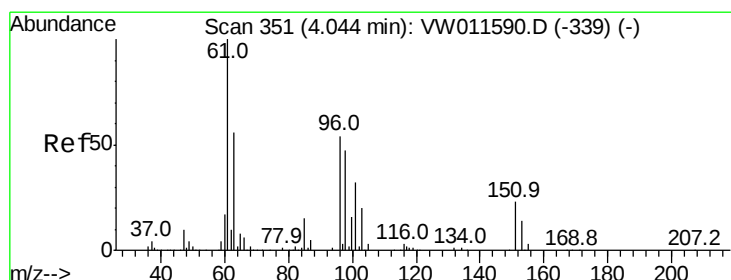
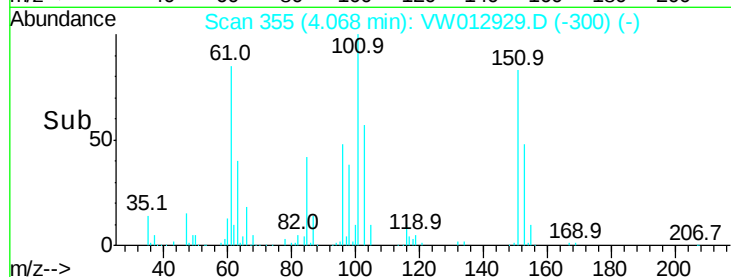
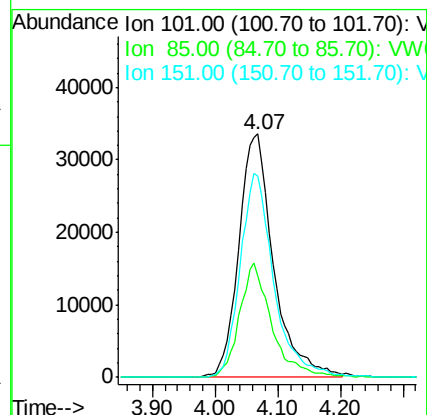
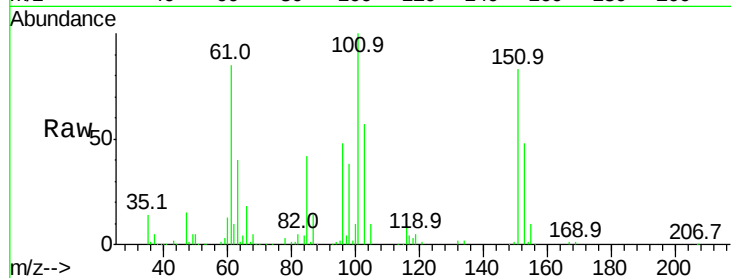
Tgt Ion:101 Resp: 128976

Ion Ratio Lower Upper

101 100

85 43.3 37.0 55.4

151 81.0 60.8 91.2



#12

1,1-Dichloroethene

Concen: 21.394 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

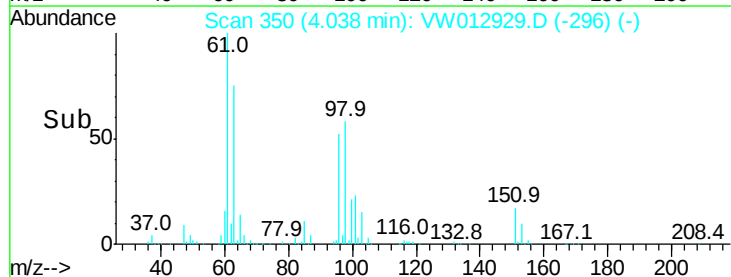
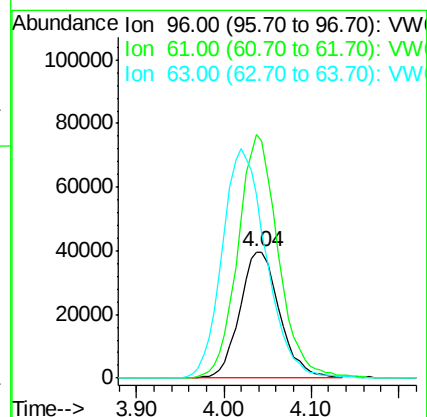
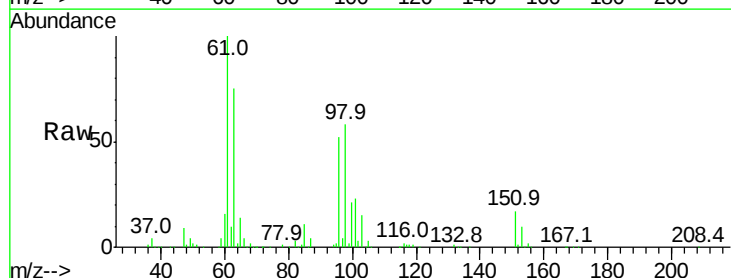
Tgt Ion: 96 Resp: 125973

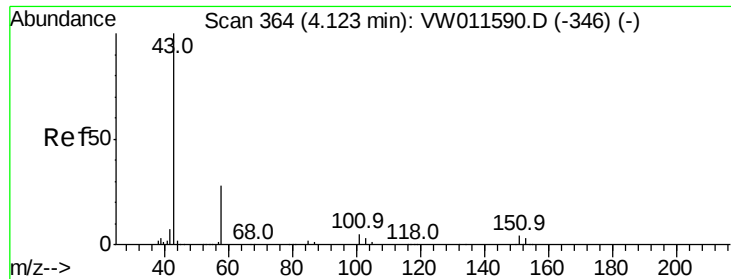
Ion Ratio Lower Upper

96 100

61 193.3 135.0 250.8

63 145.7 89.2 165.8





#13

Acetone

Concen: 23.825 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

Instrument :

MSVOA_W

ClientSampled :

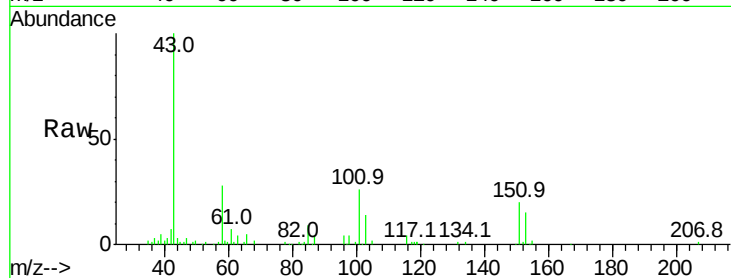
VSTD02503

Tgt Ion: 43 Resp: 66328

Ion Ratio Lower Upper

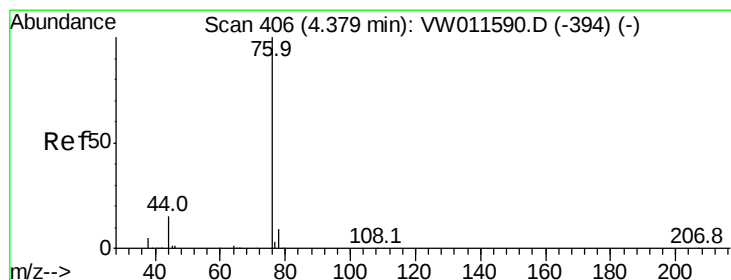
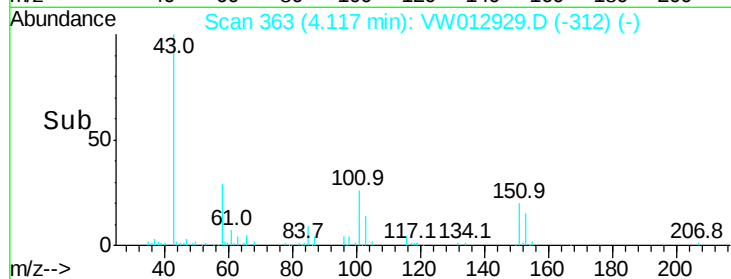
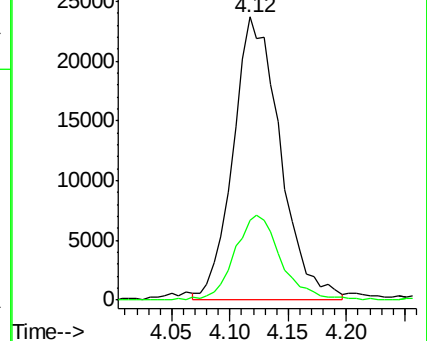
43 100

58 29.7 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 20.255 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012929.D

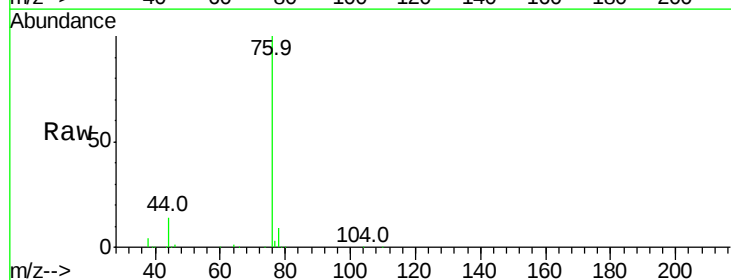
Acq: 12 Sep 2019 11:49

Tgt Ion: 76 Resp: 388445

Ion Ratio Lower Upper

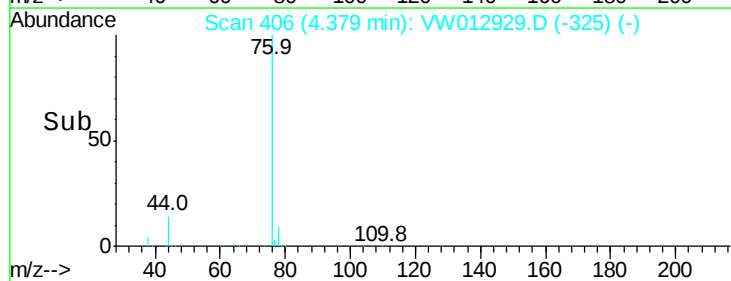
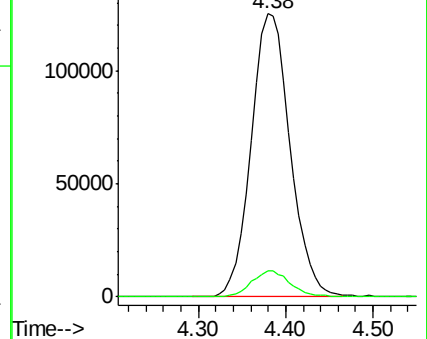
76 100

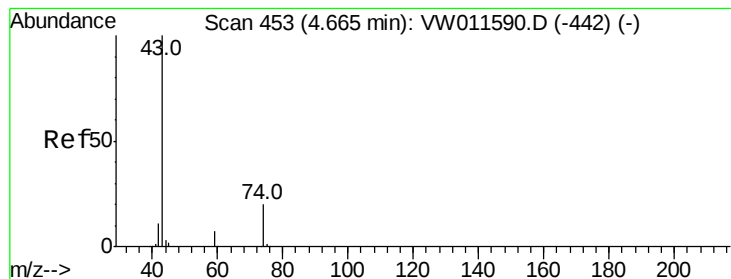
78 9.4 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 13.211 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

Instrument :

MSVOA_W

ClientSampled :

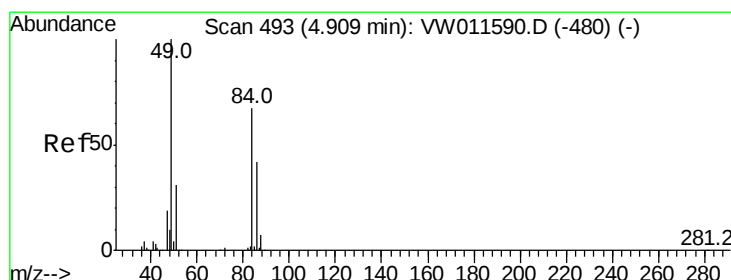
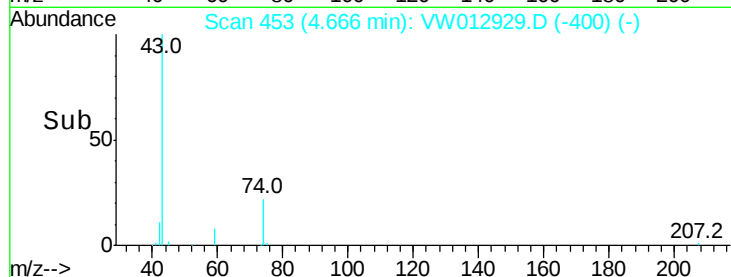
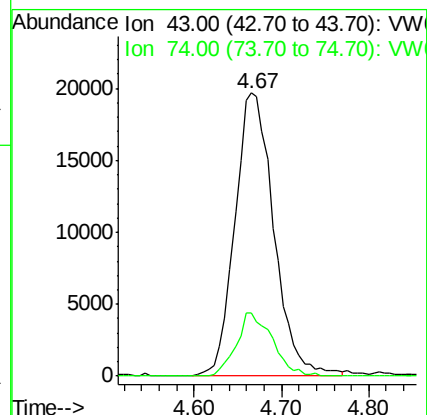
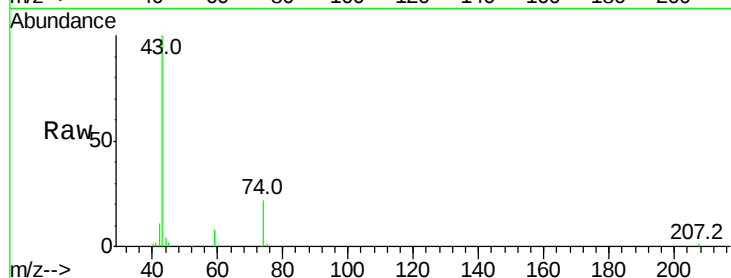
VSTD02503

Tgt Ion: 43 Resp: 60134

Ion Ratio Lower Upper

43 100

74 20.8 15.0 22.4



#16

Methylene chloride

Concen: 20.476 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

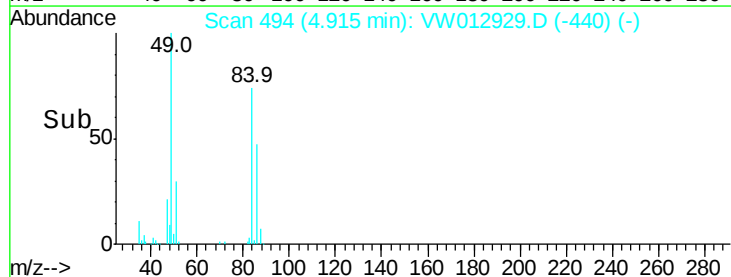
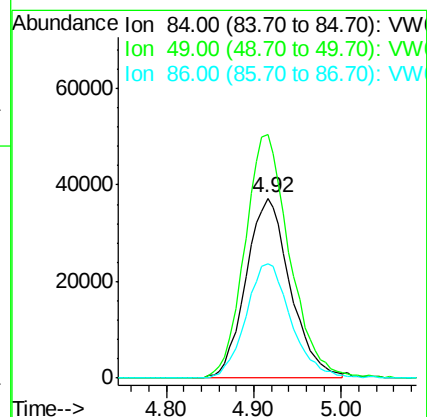
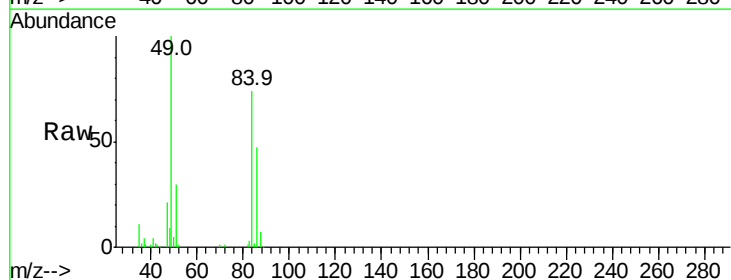
Tgt Ion: 84 Resp: 131000

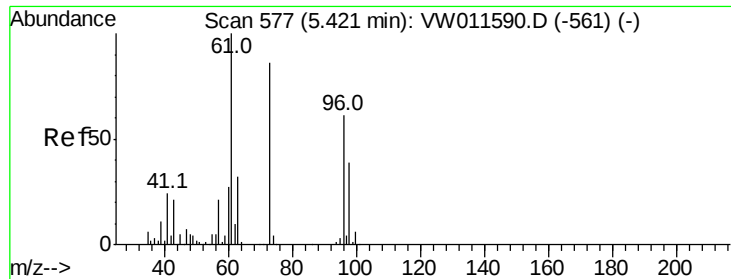
Ion Ratio Lower Upper

84 100

49 135.3 106.8 198.4

86 63.4 42.8 79.4

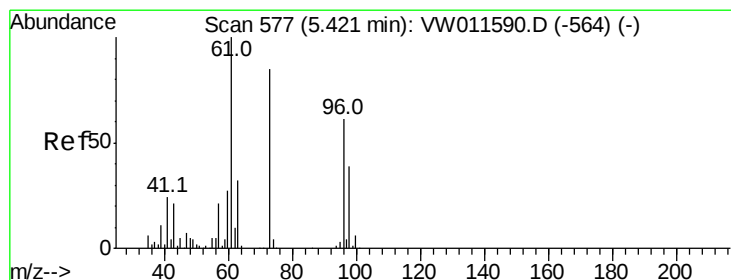
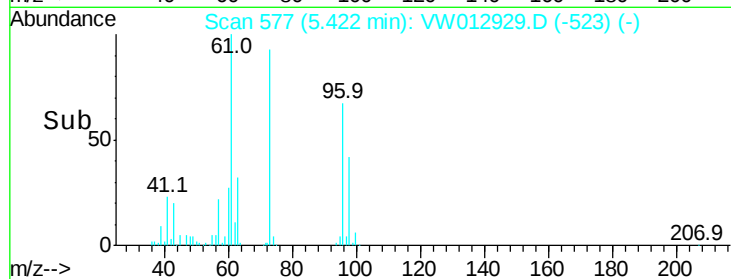
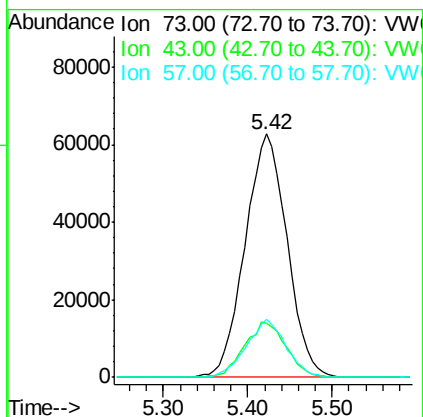
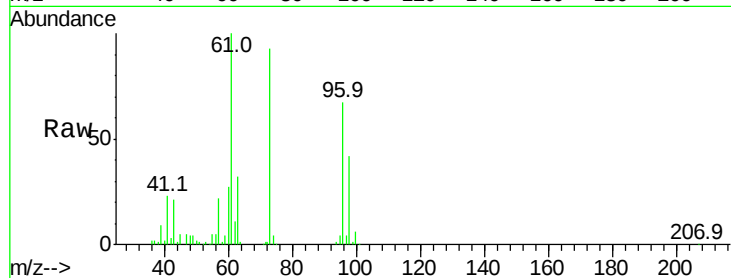




#17
Methyl tert-butyl Ether
Concen: 21.761 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW012929.D
Acq: 12 Sep 2019 11:49

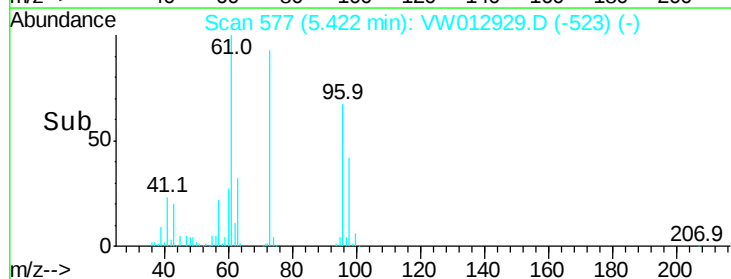
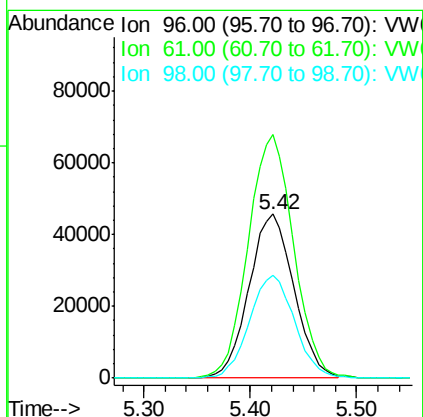
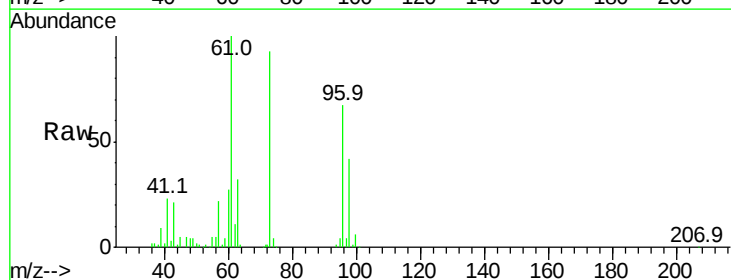
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

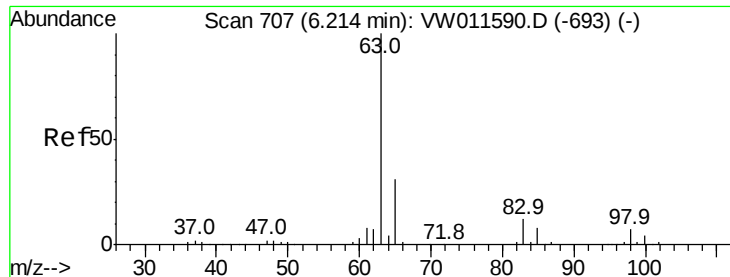
Tgt Ion: 73 Resp: 213385
Ion Ratio Lower Upper
73 100
43 22.5 19.3 28.9
57 22.5 19.7 29.5



#18
trans-1,2-Dichloroethene
Concen: 22.211 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW012929.D
Acq: 12 Sep 2019 11:49

Tgt Ion: 96 Resp: 135121
Ion Ratio Lower Upper
96 100
61 148.5 114.2 212.0
98 62.9 45.6 84.6

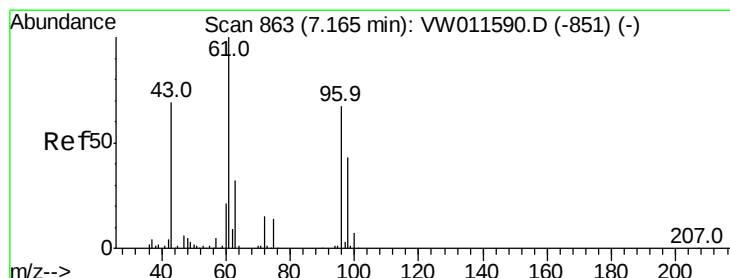
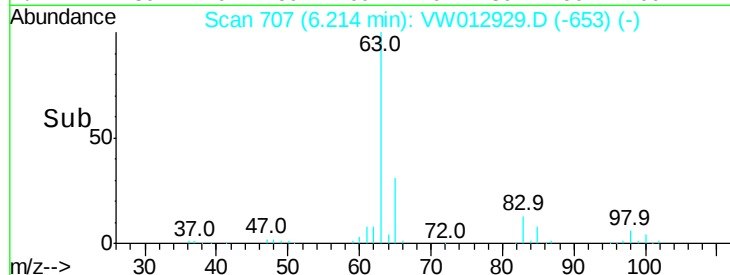
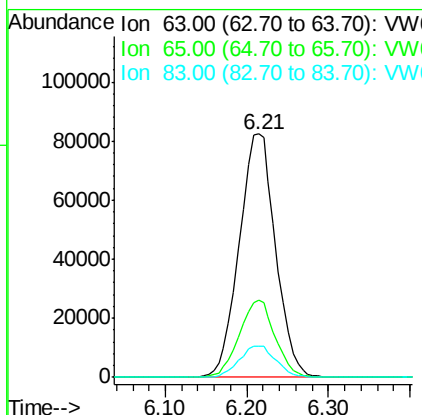
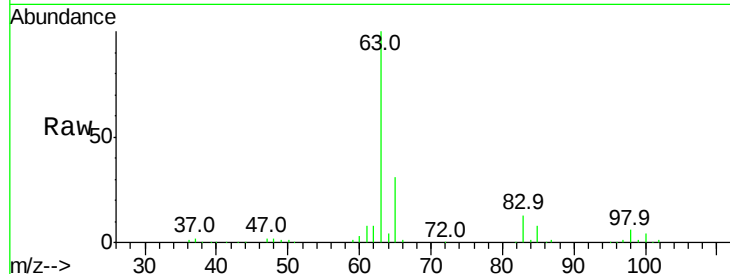




#19
 1,1-Dichloroethane
 Concen: 20.933 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW012929.D
 Acq: 12 Sep 2019 11:49

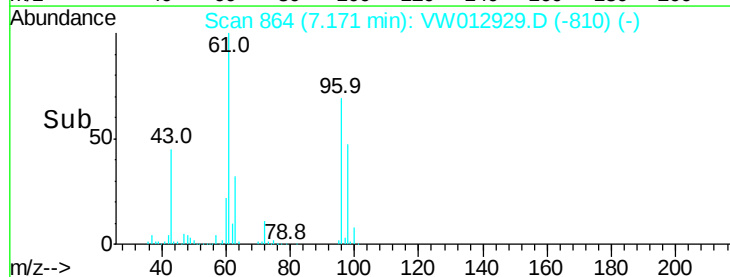
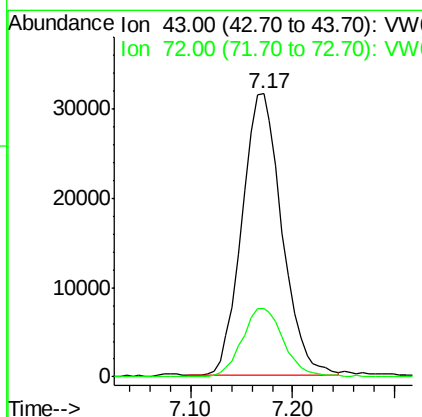
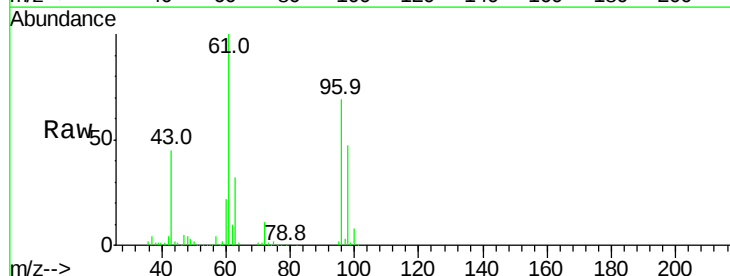
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02503

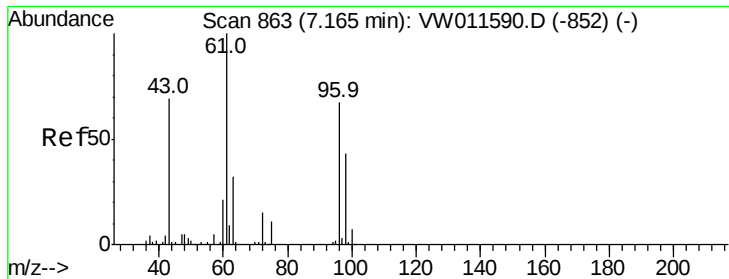
Tgt Ion: 63 Resp: 254398
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.7 40.3
 83 12.7 8.4 15.6



#21
 2-Butanone
 Concen: 24.683 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW012929.D
 Acq: 12 Sep 2019 11:49

Tgt Ion: 43 Resp: 86155
 Ion Ratio Lower Upper
 43 100
 72 25.4 10.7 32.1



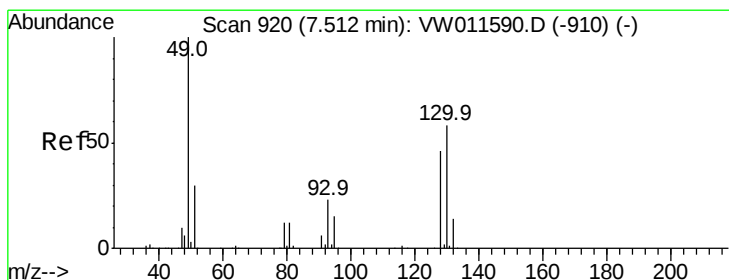
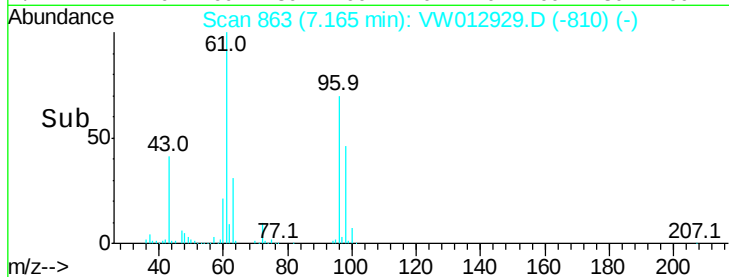
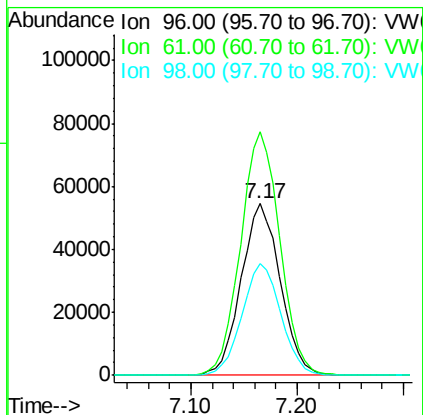
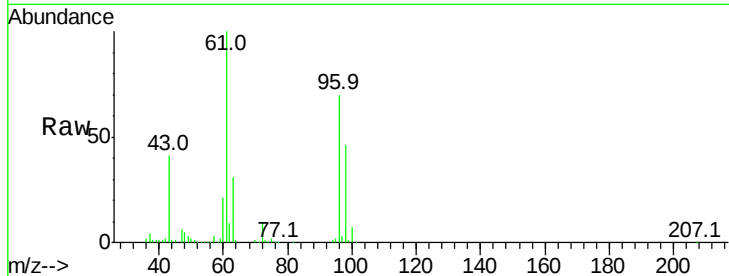


#22

cis-1,2-Dichloroethene
Concen: 22.122 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012929.D
Acq: 12 Sep 2019 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

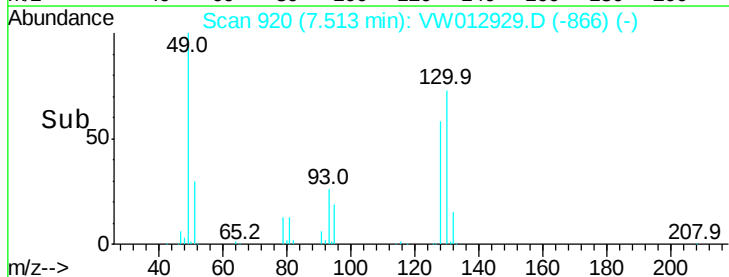
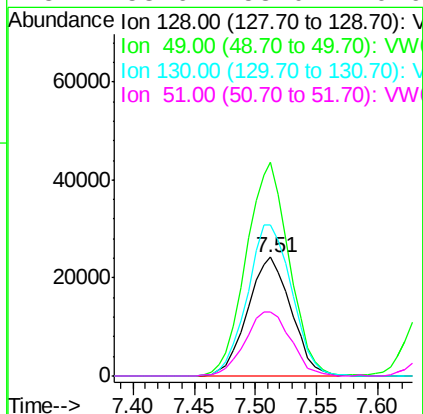
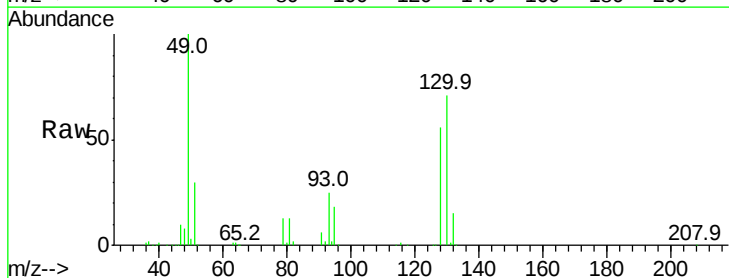
Tgt Ion: 96 Resp: 140797
Ion Ratio Lower Upper
96 100
61 142.1 103.9 192.9
98 65.1 43.5 80.9

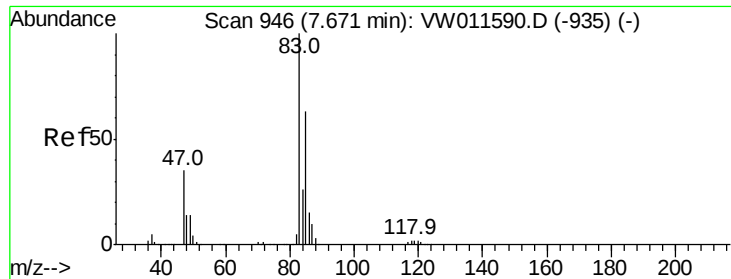


#23

Bromochloromethane
Concen: 22.147 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW012929.D
Acq: 12 Sep 2019 11:49

Tgt Ion: 128 Resp: 59974
Ion Ratio Lower Upper
128 100
49 179.6 153.6 285.3
130 127.2 89.5 166.3
51 53.6 53.0 79.6





#25

Chloroform

Concen: 22.465 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

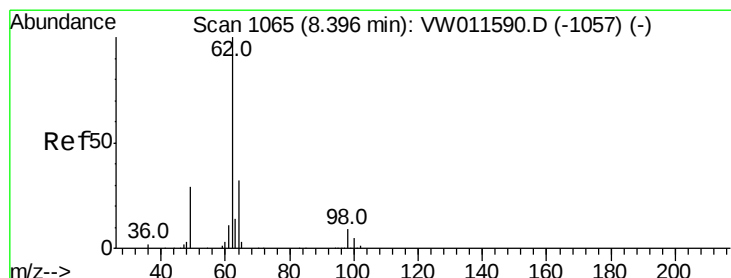
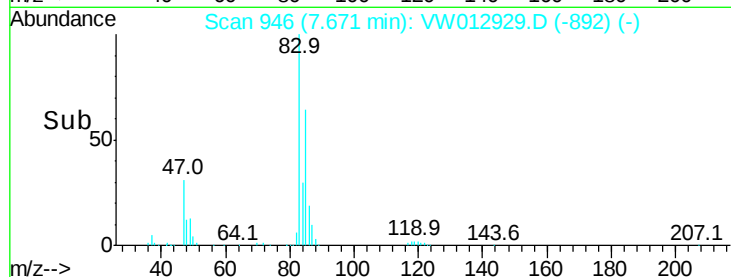
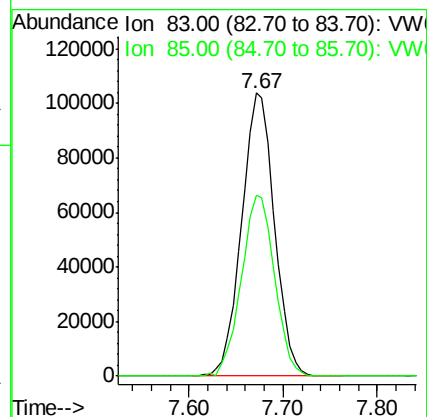
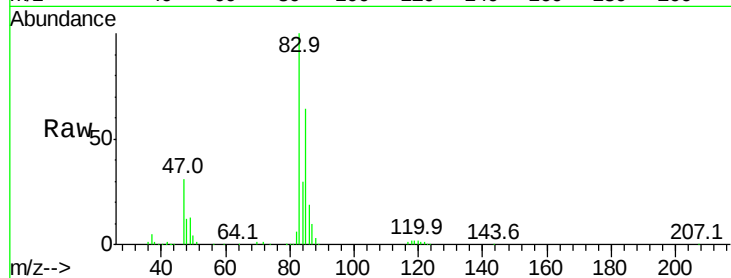
VSTD02503

Tgt Ion: 83 Resp: 251643

Ion Ratio Lower Upper

83 100

85 64.7 45.4 84.2



#27

1,2-Dichloroethane

Concen: 20.463 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW012929.D

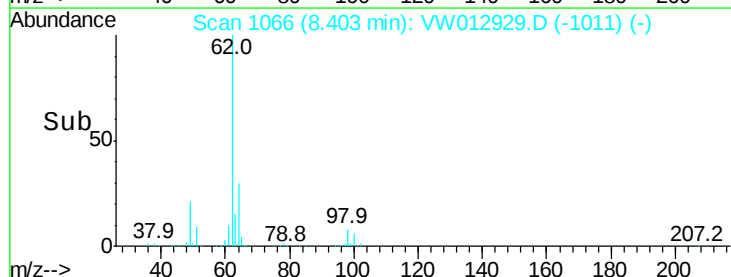
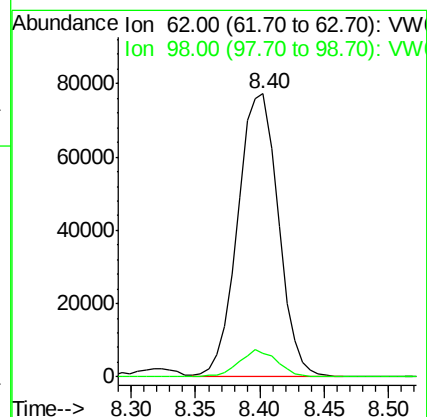
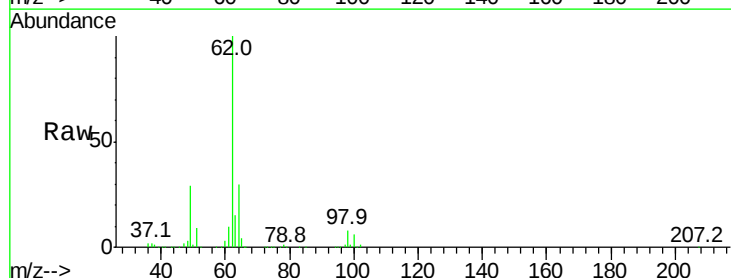
Acq: 12 Sep 2019 11:49

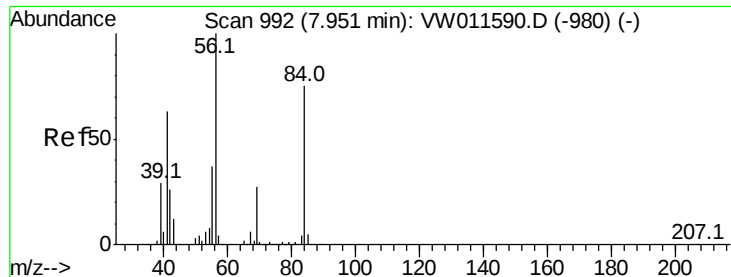
Tgt Ion: 62 Resp: 169689

Ion Ratio Lower Upper

62 100

98 8.4 7.2 10.8

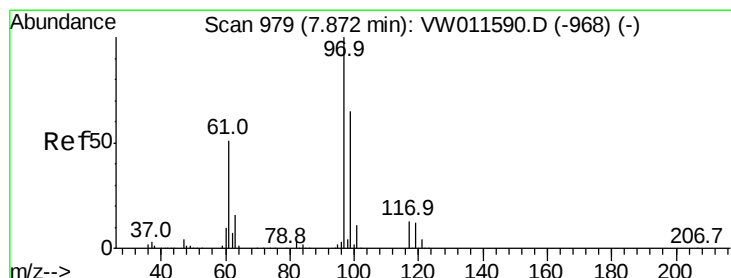
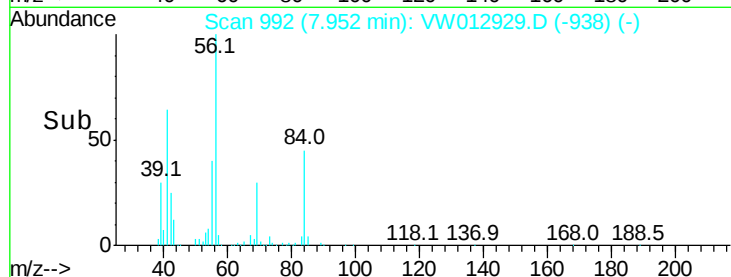
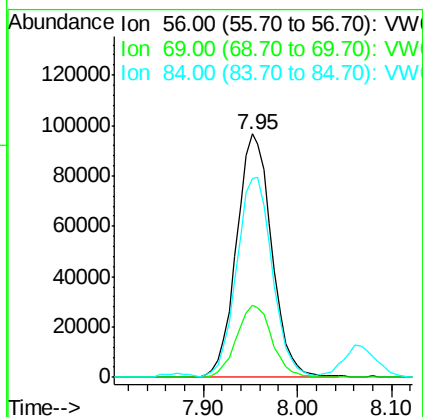
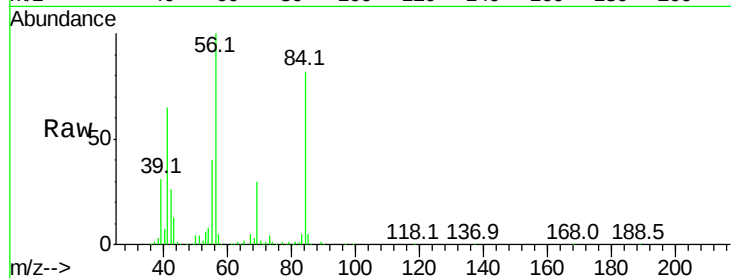




#30
Cyclohexane
Concen: 19.952 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW012929.D
Acq: 12 Sep 2019 11:49

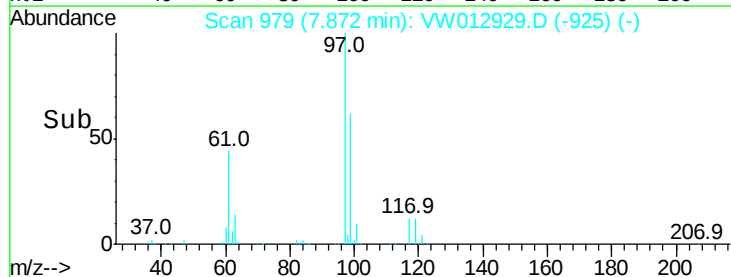
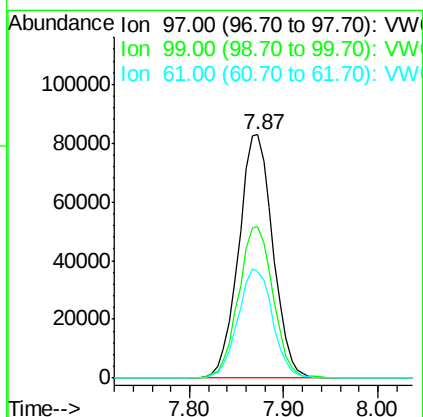
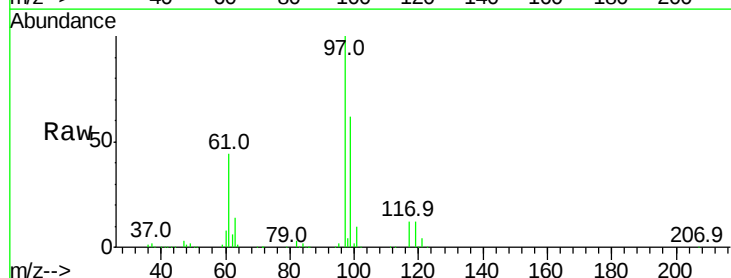
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

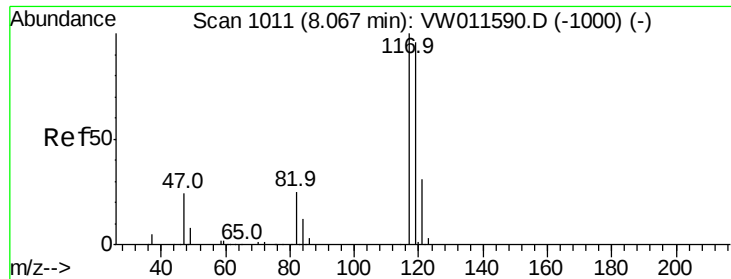
Tgt Ion: 56 Resp: 252698
Ion Ratio Lower Upper
56 100
69 29.8 22.4 33.6
84 83.2 60.6 91.0



#31
1,1,1-Trichloroethane
Concen: 23.743 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW012929.D
Acq: 12 Sep 2019 11:49

Tgt Ion: 97 Resp: 210790
Ion Ratio Lower Upper
97 100
99 62.9 52.1 78.1
61 45.4 40.3 60.5

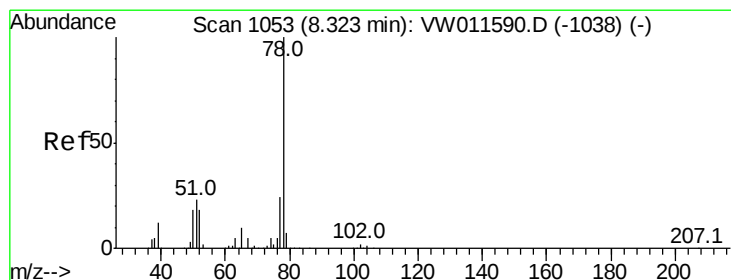
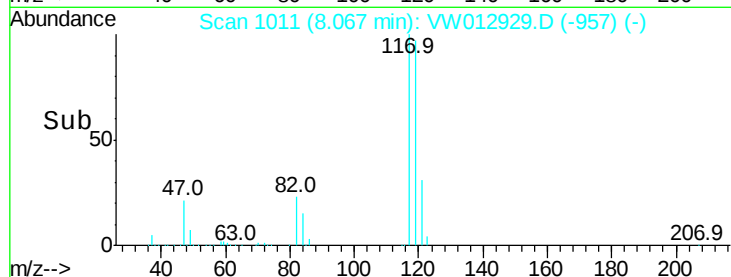
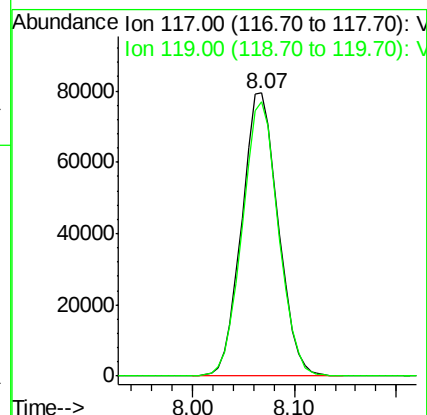
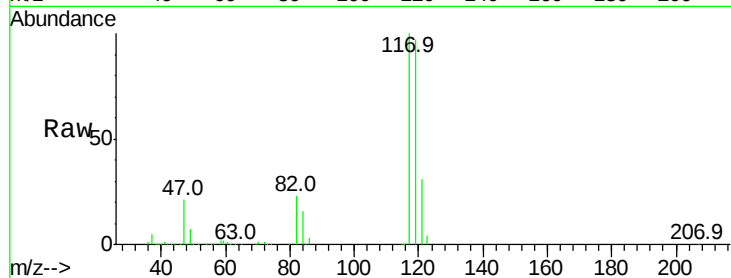




#32
Carbon tetrachloride
Concen: 23.597 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012929.D
Acq: 12 Sep 2019 11:49

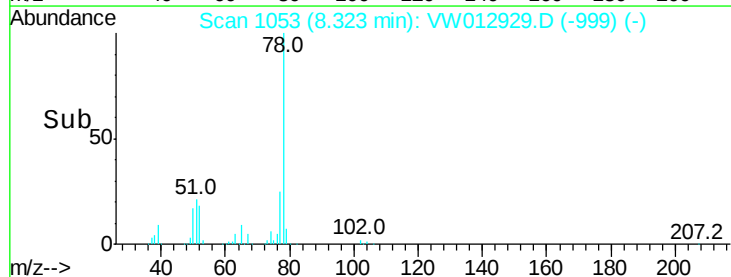
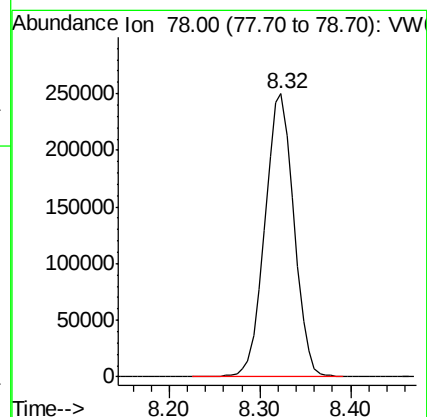
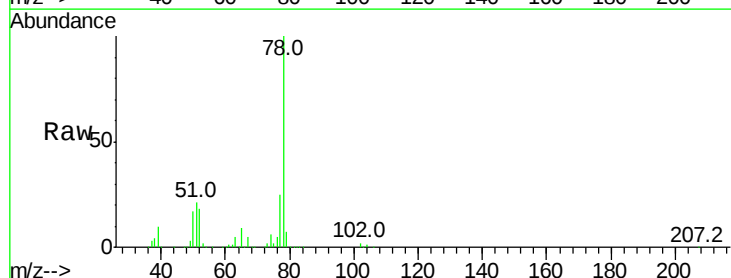
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

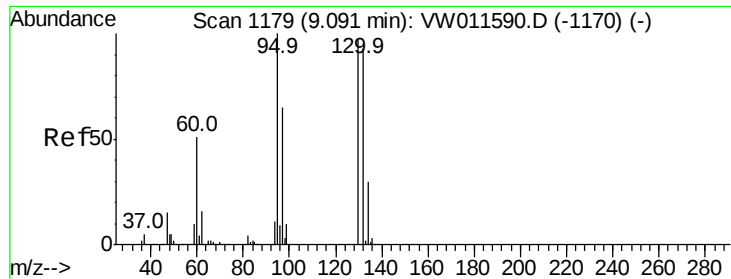
Tgt Ion:117 Resp: 197085
Ion Ratio Lower Upper
117 100
119 95.9 76.2 114.4



#34
Benzene
Concen: 21.701 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012929.D
Acq: 12 Sep 2019 11:49

Tgt Ion: 78 Resp: 554089

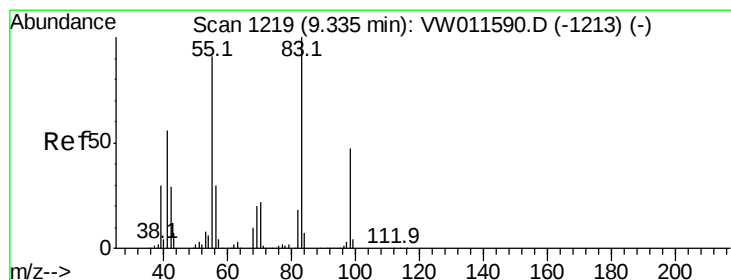
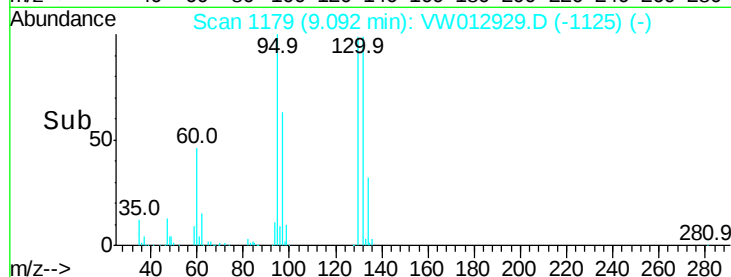
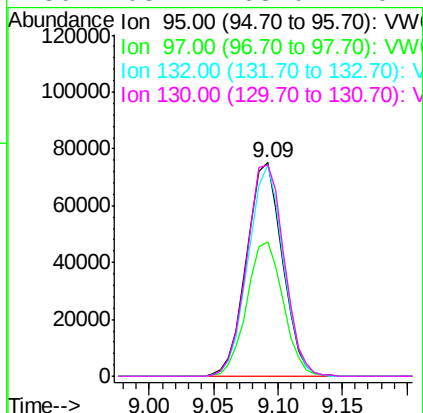
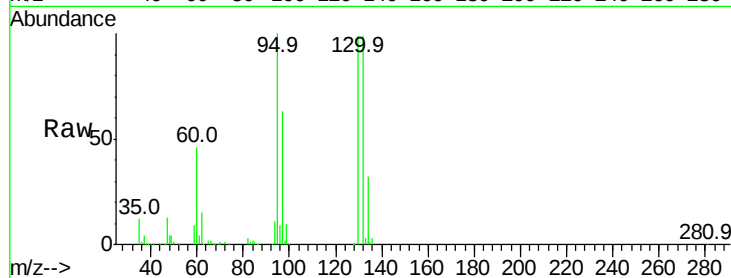




#35
 Trichloroethene
 Concen: 22.355 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW012929.D
 Acq: 12 Sep 2019 11:49

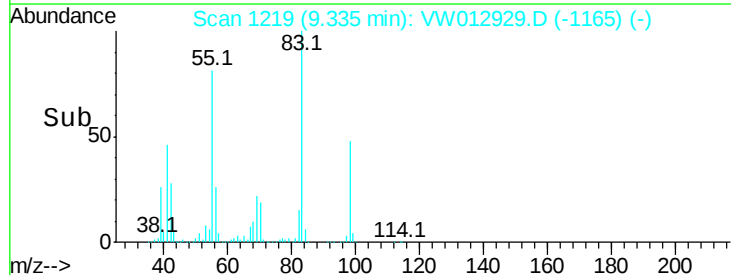
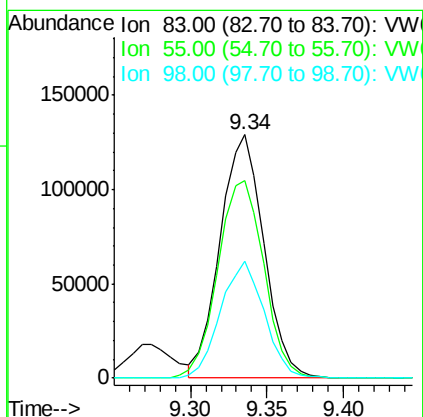
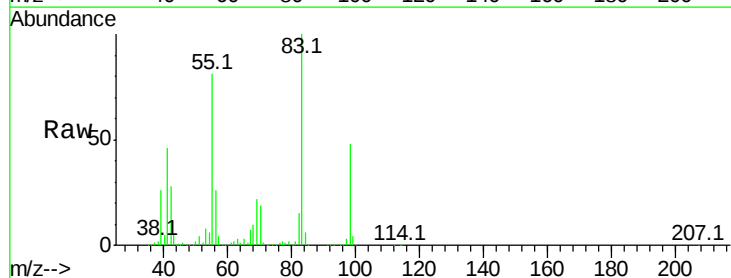
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

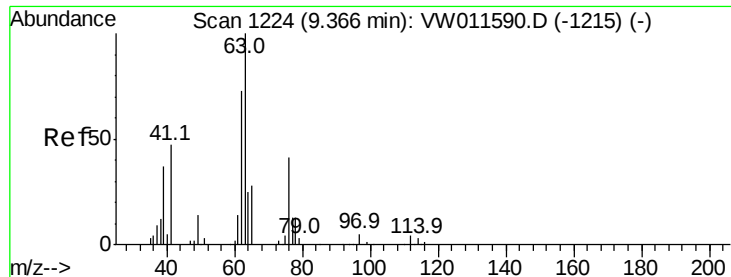
Tgt Ion: 95 Resp: 144909
 Ion Ratio Lower Upper
 95 100
 97 63.7 44.8 83.2
 132 96.8 65.0 120.6
 130 103.2 68.0 126.4



#36
 Methylcyclohexane
 Concen: 21.851 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW012929.D
 Acq: 12 Sep 2019 11:49

Tgt Ion: 83 Resp: 256960
 Ion Ratio Lower Upper
 83 100
 55 85.4 72.6 108.8
 98 48.1 37.8 56.6

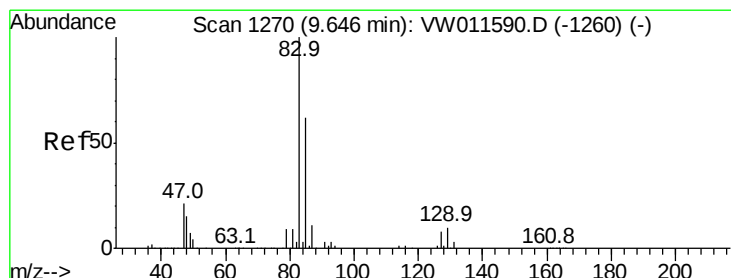
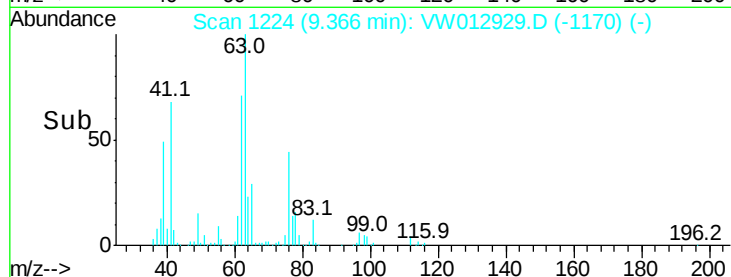
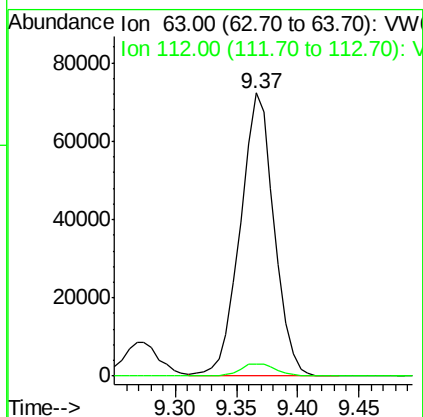
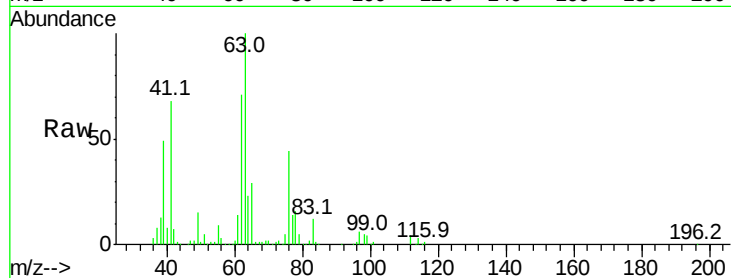




#40
 1,2-Dichloropropane
 Concen: 20.401 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012929.D
 Acq: 12 Sep 2019 11:49

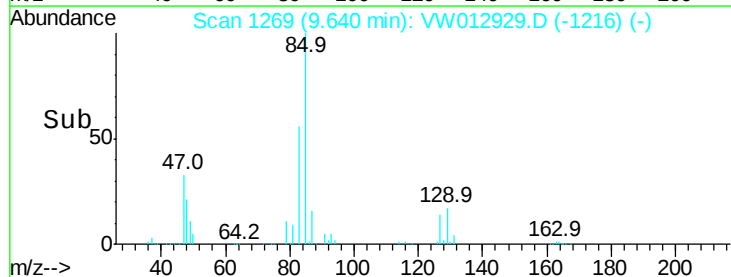
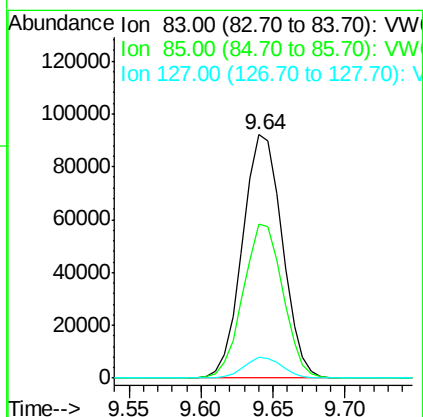
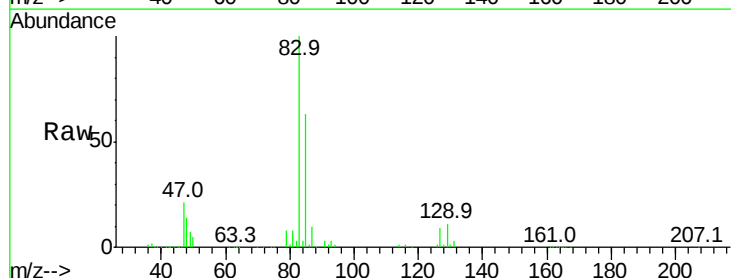
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

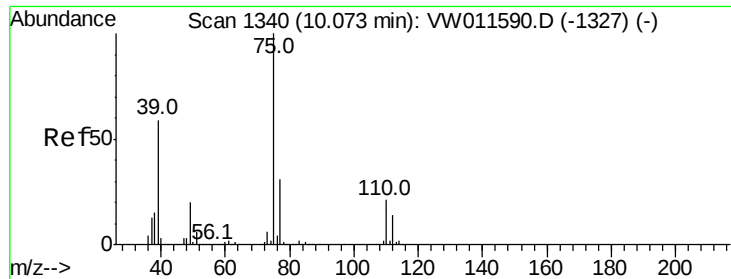
Tgt Ion: 63 Resp: 139047
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.1 4.7#



#41
 Bromodichloromethane
 Concen: 21.974 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW012929.D
 Acq: 12 Sep 2019 11:49

Tgt Ion: 83 Resp: 176730
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.0 81.6
 127 8.8 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 21.531 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

Instrument :

MSVOA_W

ClientSampled :

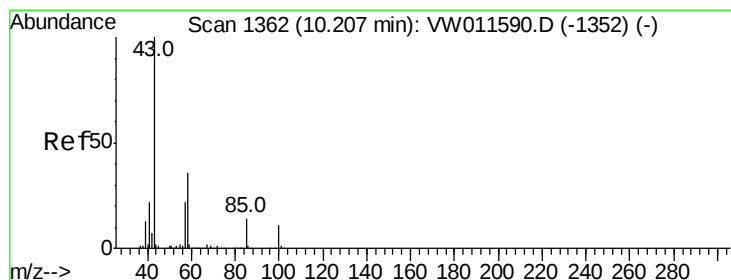
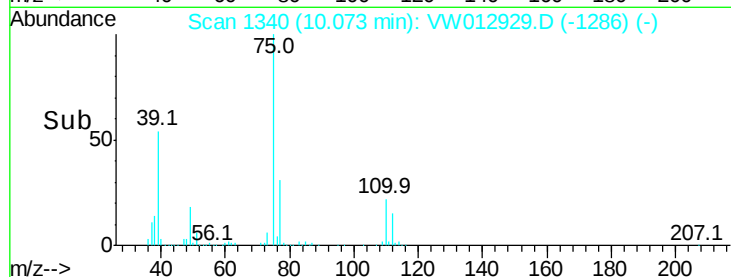
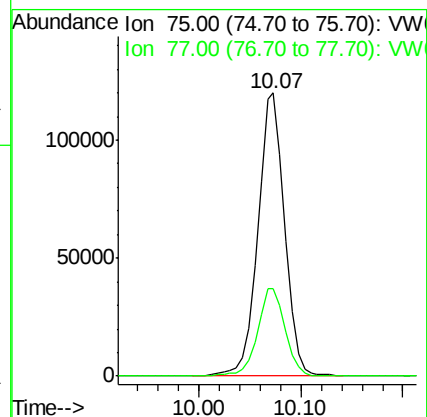
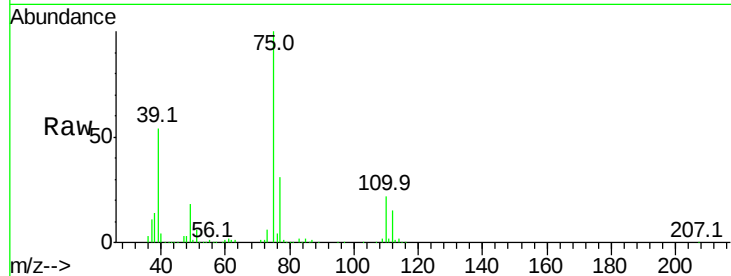
VSTD02503

Tgt Ion: 75 Resp: 219497

Ion Ratio Lower Upper

75 100

77 30.8 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 27.672 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

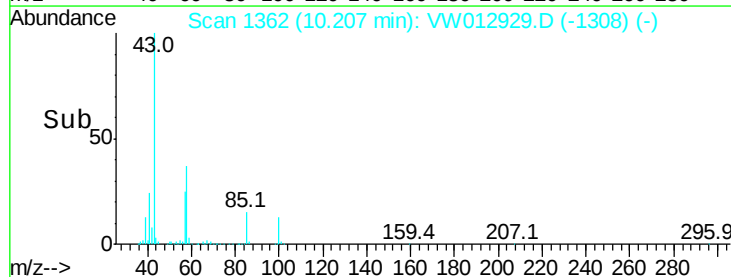
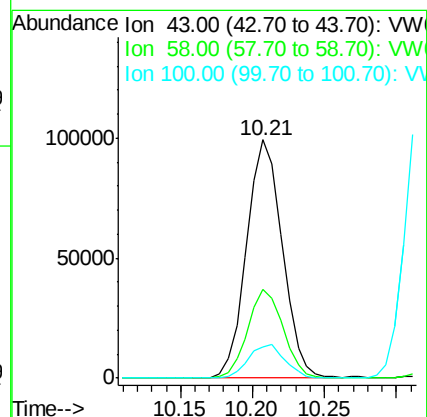
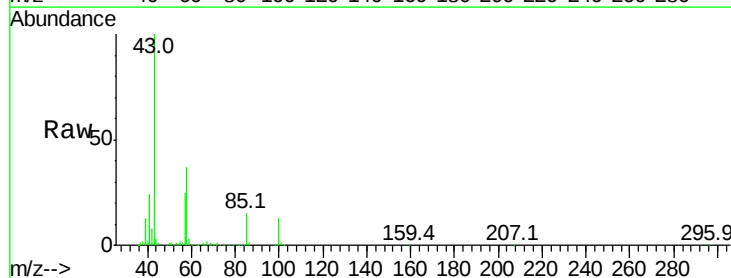
Tgt Ion: 43 Resp: 170883

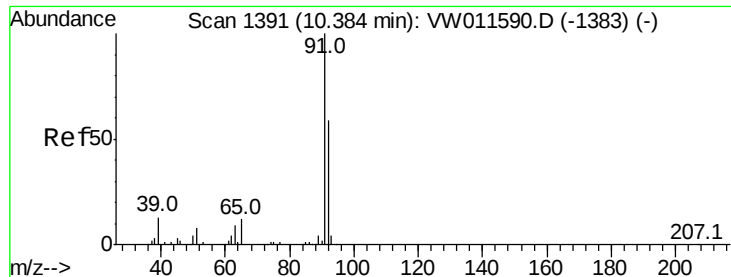
Ion Ratio Lower Upper

43 100

58 36.9 28.0 42.0

100 14.4 9.4 14.2#





#44

Toluene

Concen: 22.991 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

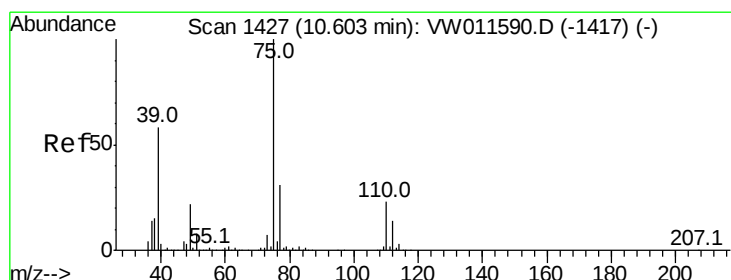
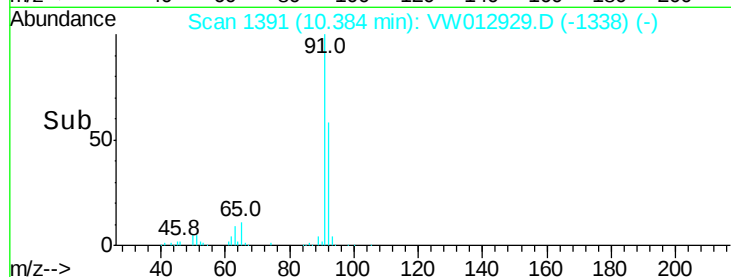
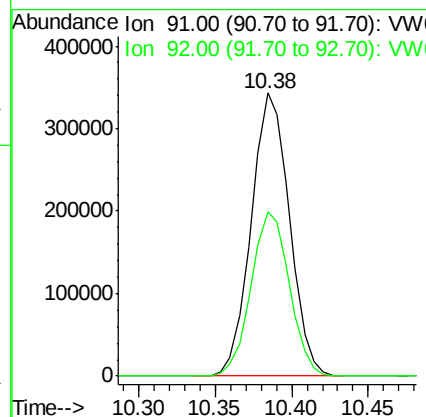
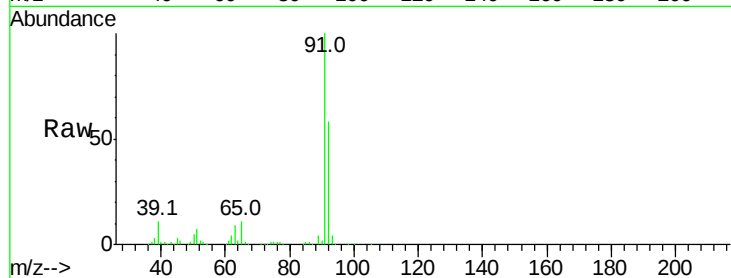
VSTD02503

Tgt Ion: 91 Resp: 596404

Ion Ratio Lower Upper

91 100

92 58.1 40.9 76.0



#45

trans-1,3-Dichloropropene

Concen: 20.966 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012929.D

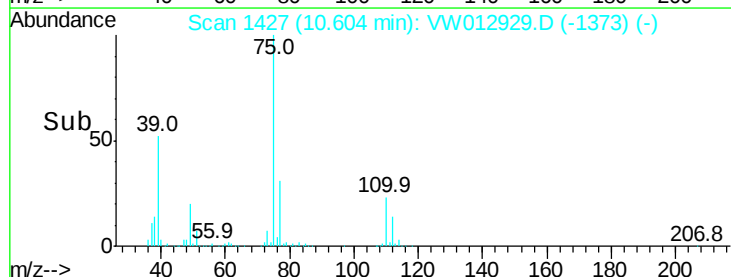
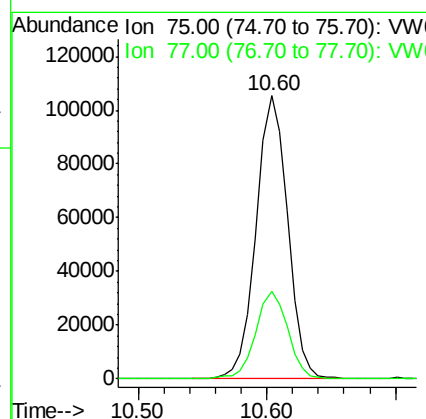
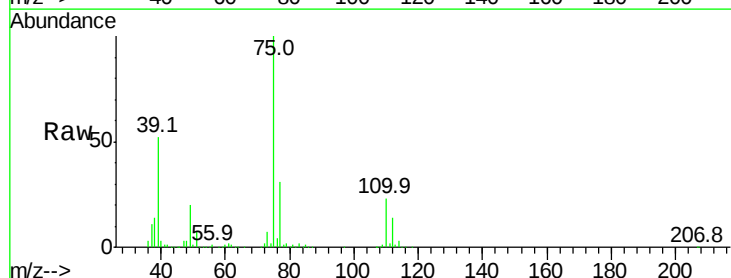
Acq: 12 Sep 2019 11:49

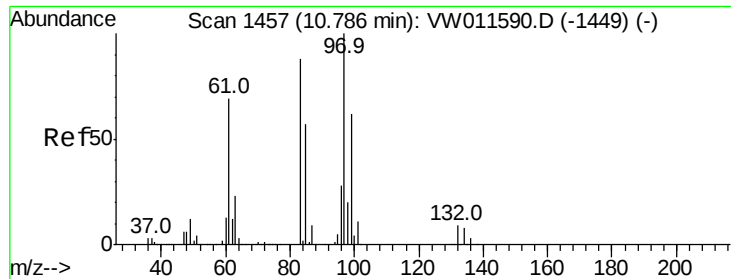
Tgt Ion: 75 Resp: 177836

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.0

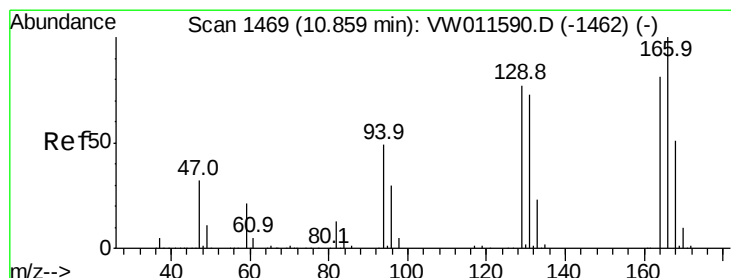
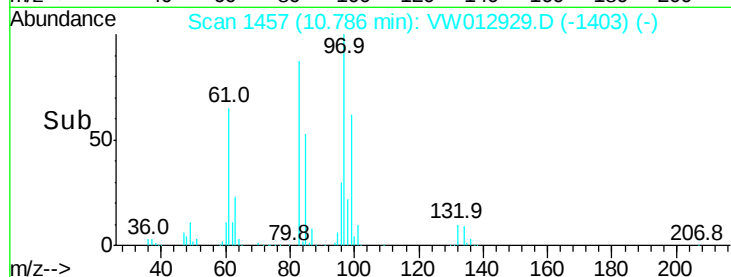
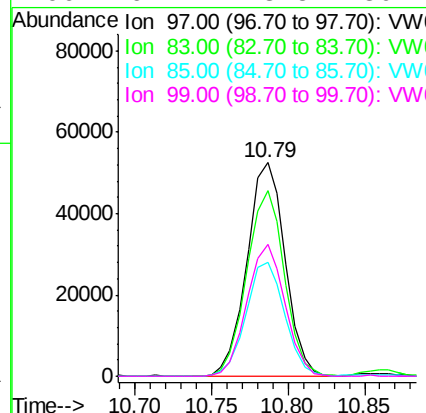
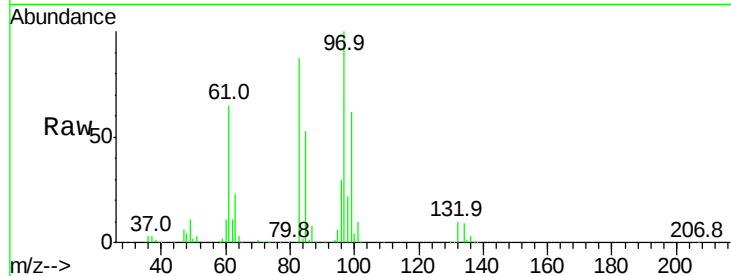




#46
 1,1,2-Trichloroethane
 Concen: 19.636 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012929.D
 Acq: 12 Sep 2019 11:49

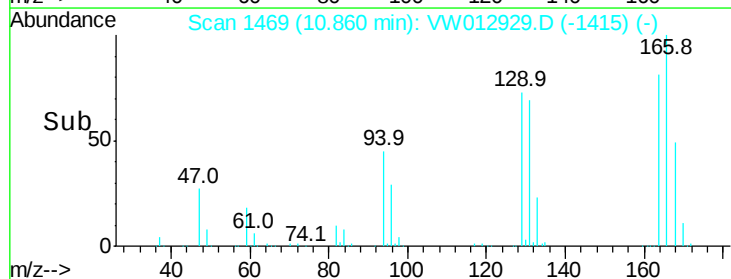
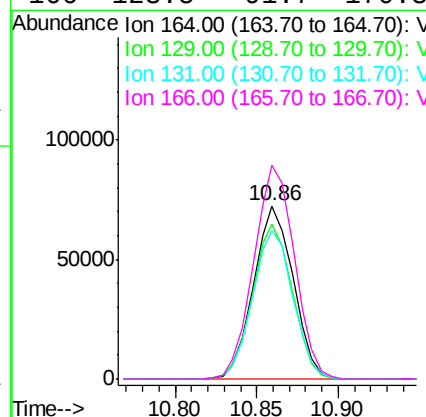
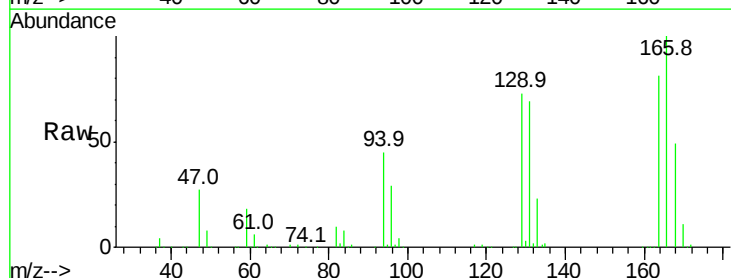
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

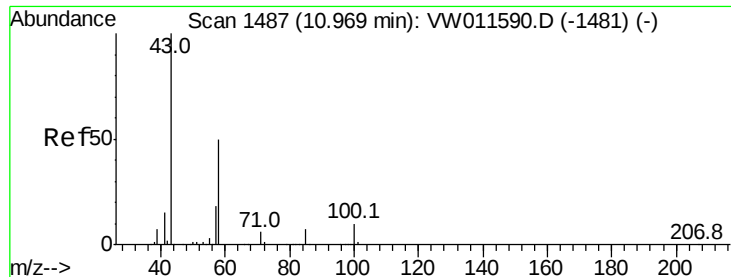
Tgt Ion:	97	Resp:	91244
Ion	Ratio	Lower	Upper
97	100		
83	86.6	63.8	118.6
85	53.5	39.3	72.9
99	61.7	43.5	80.7



#47
 Tetrachloroethene
 Concen: 24.706 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW012929.D
 Acq: 12 Sep 2019 11:49

Tgt Ion:	164	Resp:	122326
Ion	Ratio	Lower	Upper
164	100		
129	89.5	64.0	119.0
131	85.7	58.6	108.8
166	123.5	91.7	170.3





#49

2-Hexanone

Concen: 27.030 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tgt Ion: 43 Resp: 128602

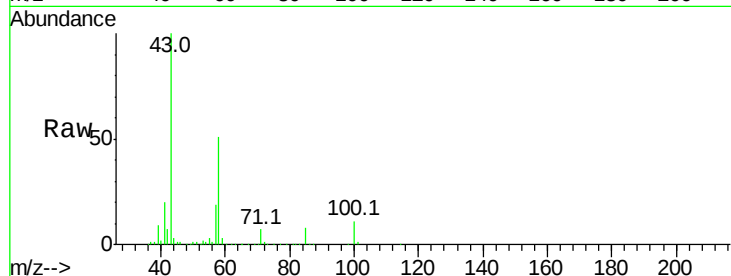
Ion Ratio Lower Upper

43 100

58 53.0 38.6 57.8

57 18.8 13.0 19.6

100 11.3 7.5 11.3

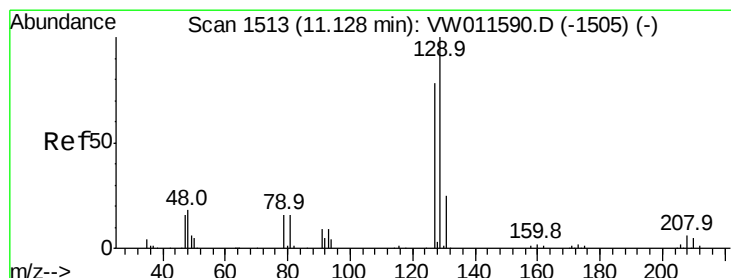
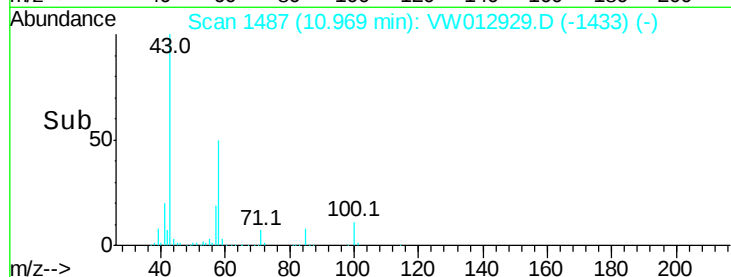
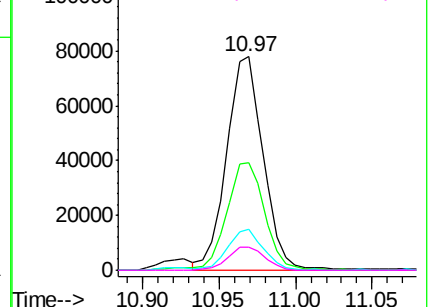


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 22.151 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW012929.D

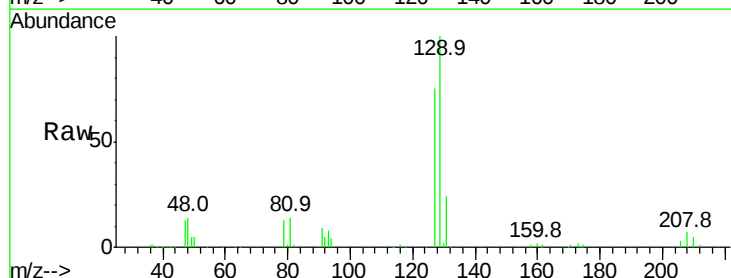
Acq: 12 Sep 2019 11:49

Tgt Ion: 129 Resp: 113455

Ion Ratio Lower Upper

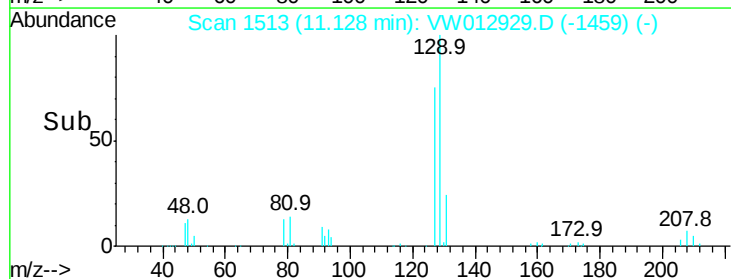
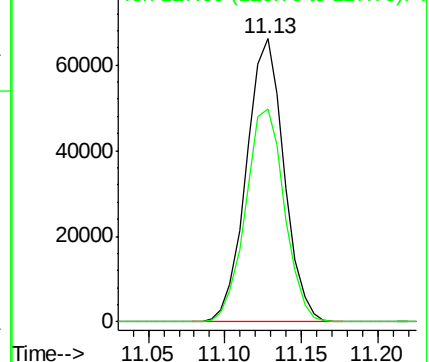
129 100

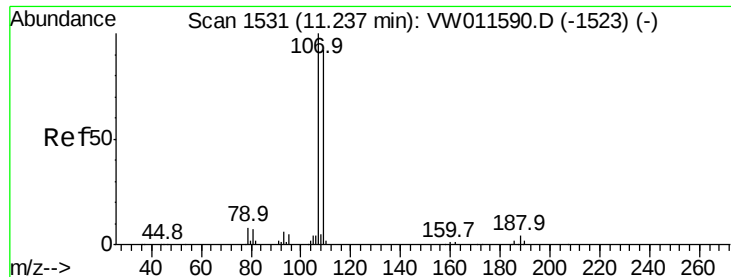
127 75.3 52.6 97.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 19.561 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

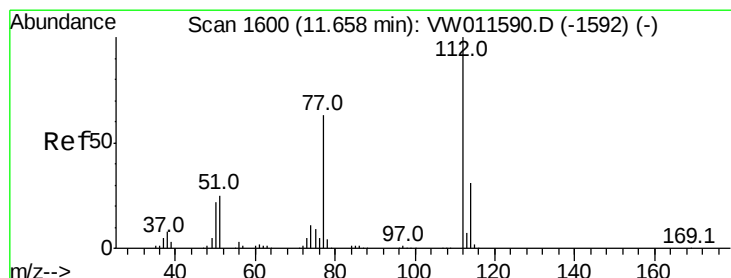
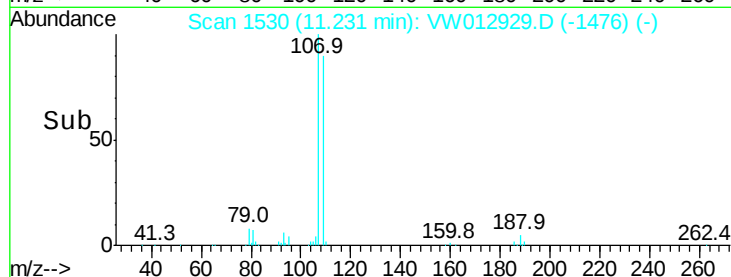
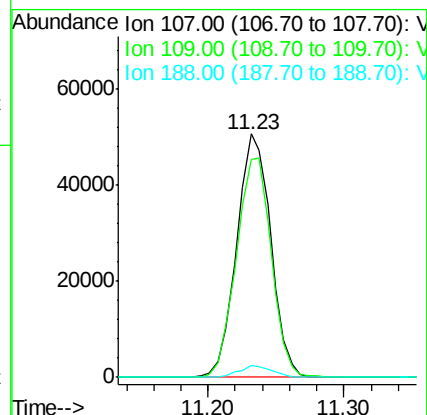
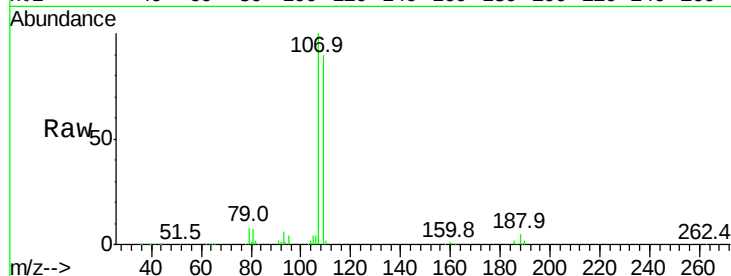
Tgt Ion:107 Resp: 88447

Ion Ratio Lower Upper

107 100

109 89.5 66.1 122.8

188 5.2 2.9 4.3#



#52

Chlorobenzene

Concen: 23.170 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

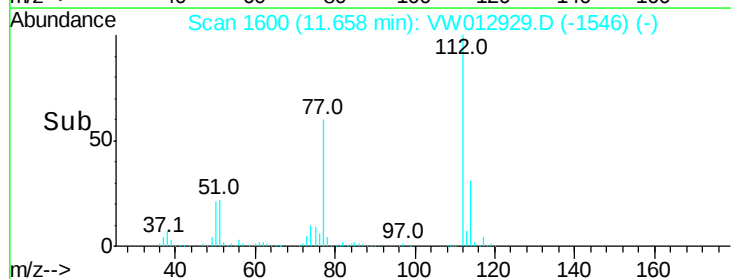
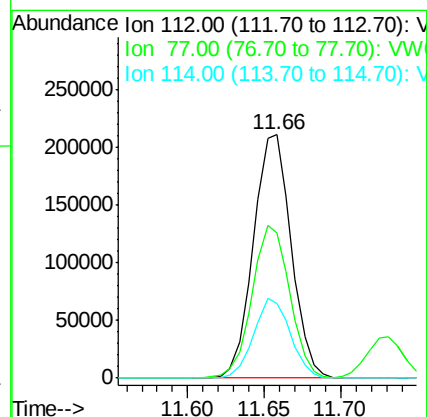
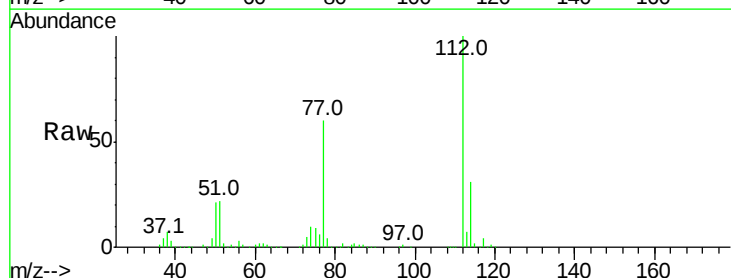
Tgt Ion:112 Resp: 362632

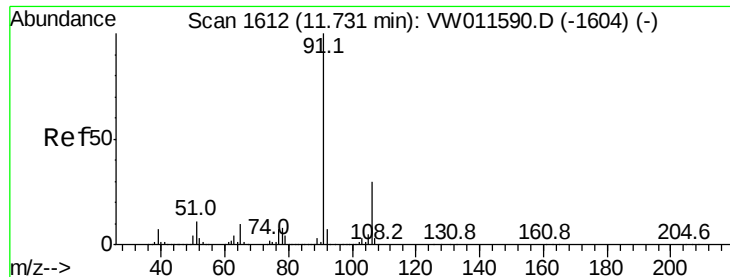
Ion Ratio Lower Upper

112 100

77 59.6 51.0 76.4

114 30.8 22.4 41.6





#53

Ethylbenzene

Concen: 23.166 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

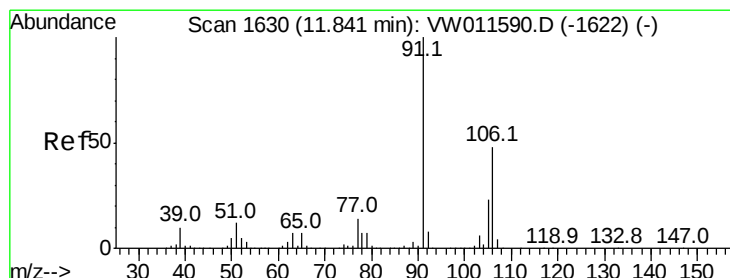
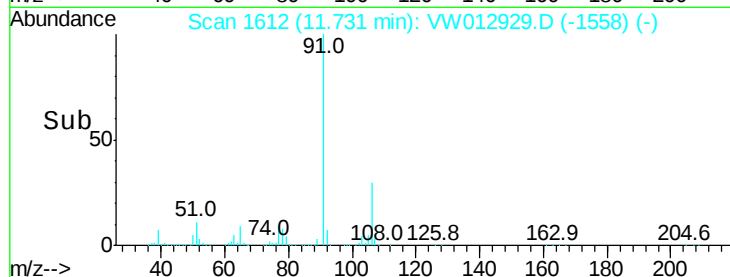
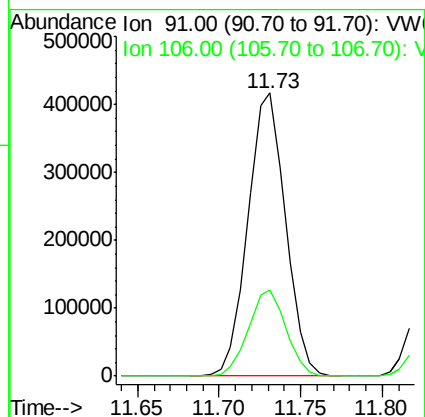
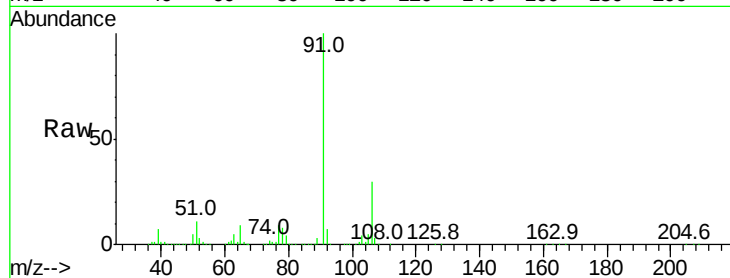
VSTD02503

Tgt Ion: 91 Resp: 670180

Ion Ratio Lower Upper

91 100

106 30.4 20.6 38.4



#54

m,p-Xylene

Concen: 23.836 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW012929.D

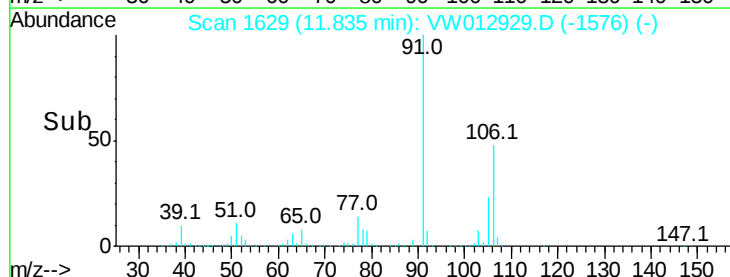
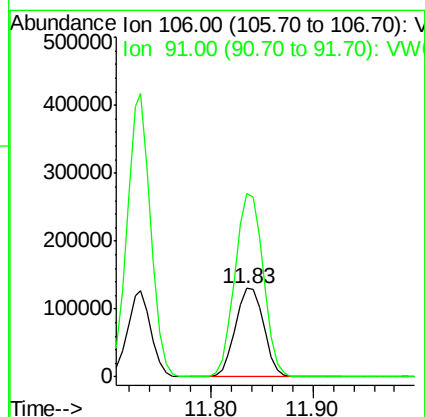
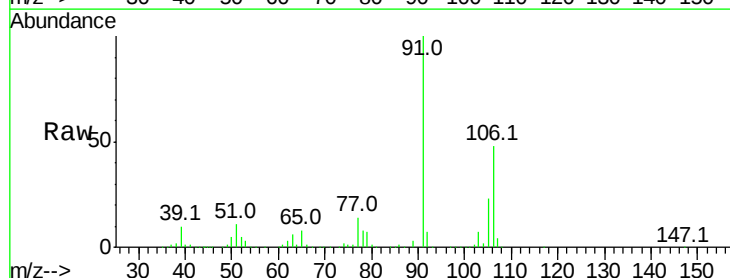
Acq: 12 Sep 2019 11:49

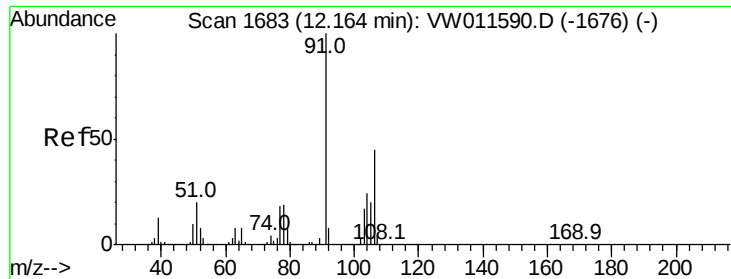
Tgt Ion: 106 Resp: 250742

Ion Ratio Lower Upper

106 100

91 207.2 149.6 277.8





#55

o-xylene

Concen: 24.020 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

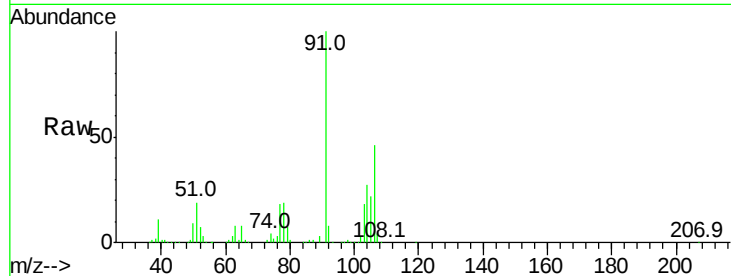
VSTD02503

Tgt Ion:106 Resp: 237796

Ion Ratio Lower Upper

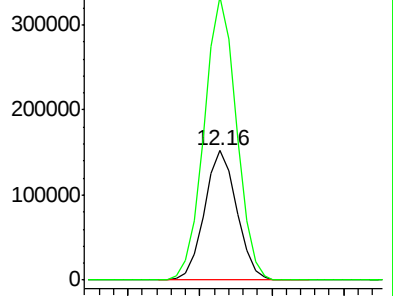
106 100

91 218.9 158.3 293.9

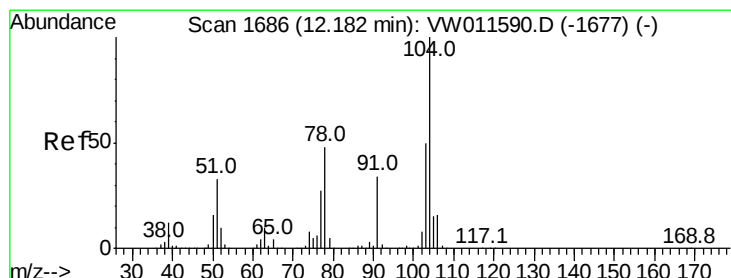
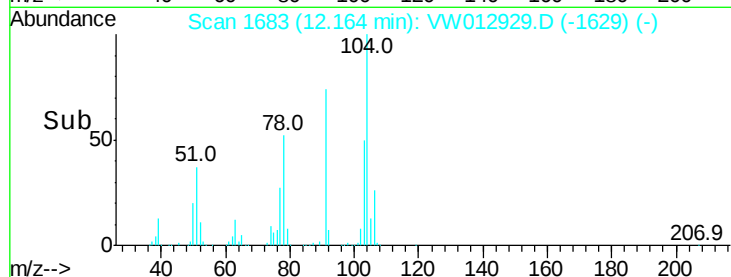


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->



#56

Styrene

Concen: 24.110 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW012929.D

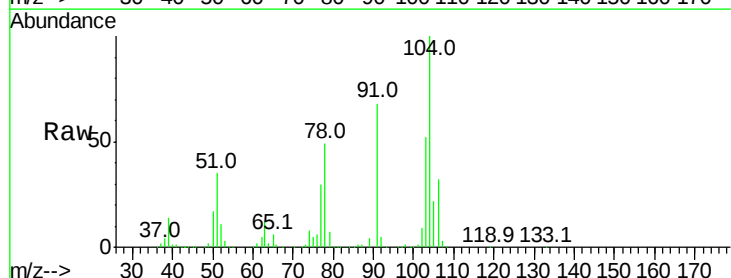
Acq: 12 Sep 2019 11:49

Tgt Ion:104 Resp: 405806

Ion Ratio Lower Upper

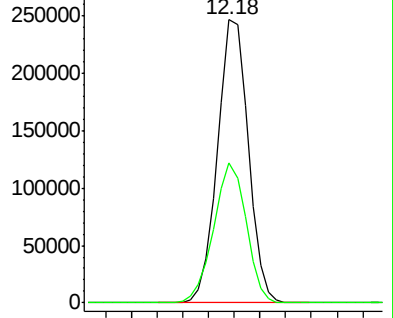
104 100

78 49.3 32.9 61.1

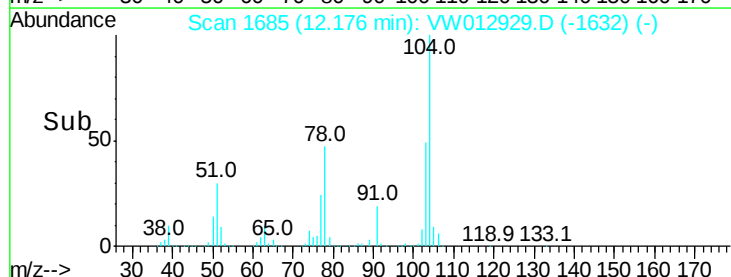


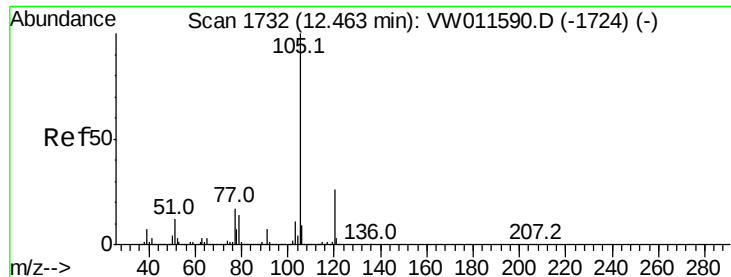
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



Time-->





#57

Isopropylbenzene

Concen: 24.141 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

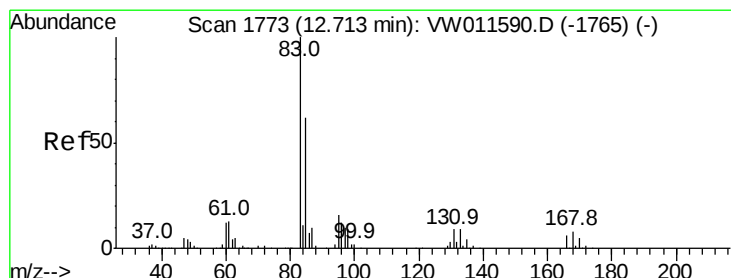
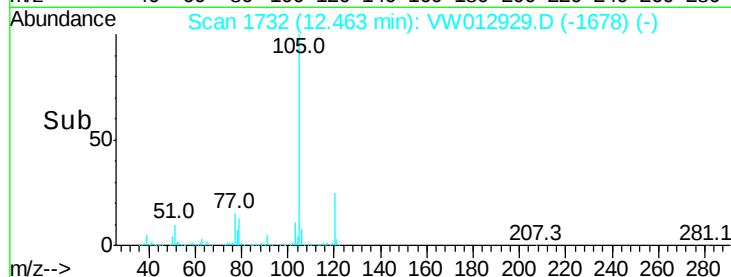
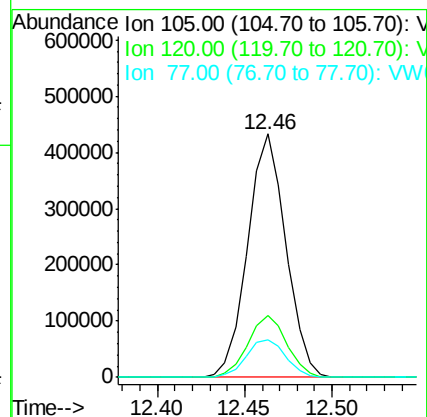
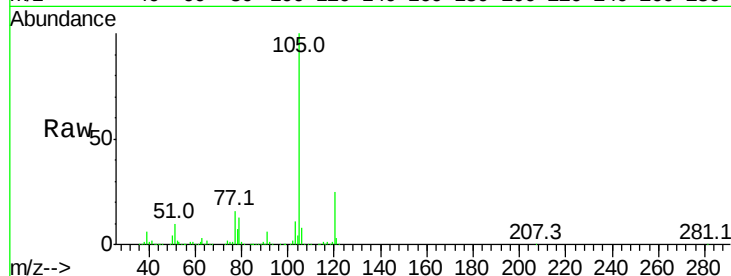
Tgt Ion:105 Resp: 657509

Ion Ratio Lower Upper

105 100

120 25.8 20.6 30.8

77 16.1 13.4 20.2



#58

1,1,2,2-Tetrachloroethane

Concen: 16.429 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

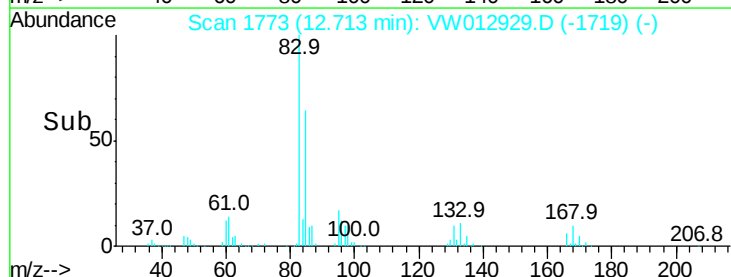
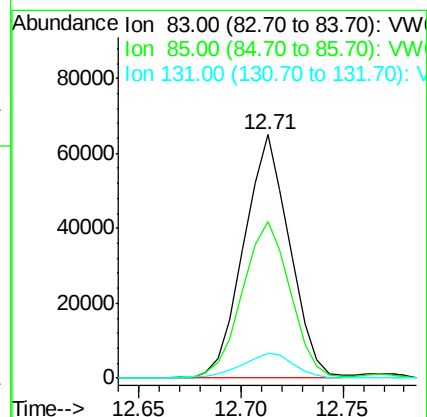
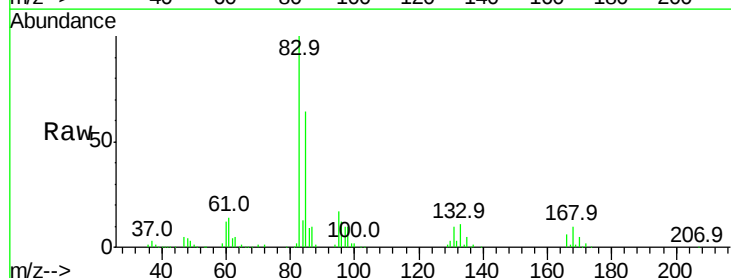
Tgt Ion: 83 Resp: 101451

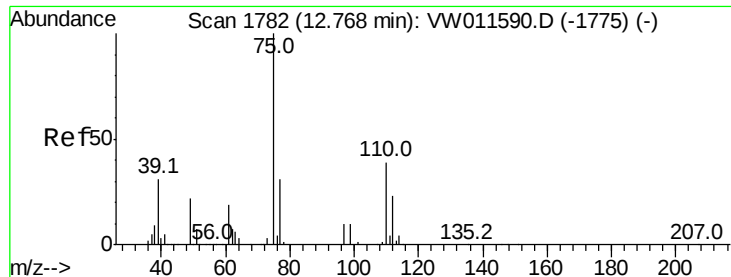
Ion Ratio Lower Upper

83 100

85 64.2 43.5 80.9

131 10.0 7.5 11.3





#59

1,2,3-Trichloropropane

Concen: 16.607 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

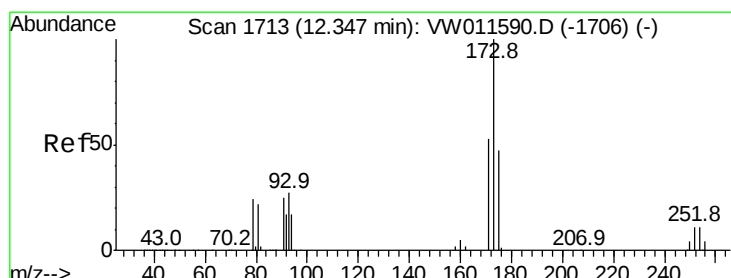
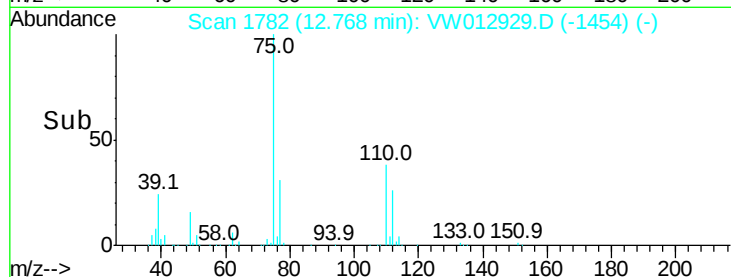
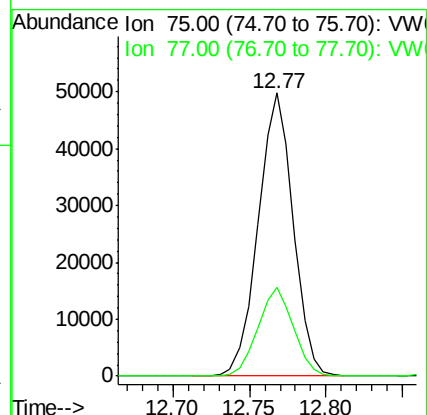
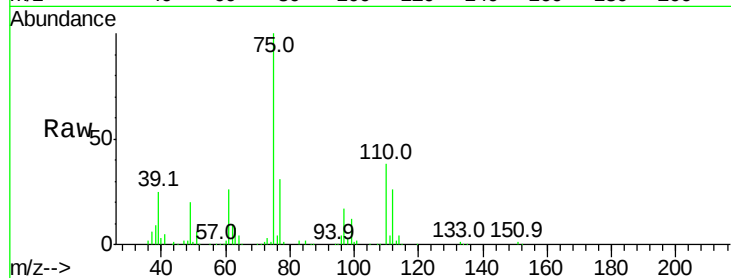
VSTD02503

Tgt Ion: 75 Resp: 79093

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7



#62

Bromoform

Concen: 19.499 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

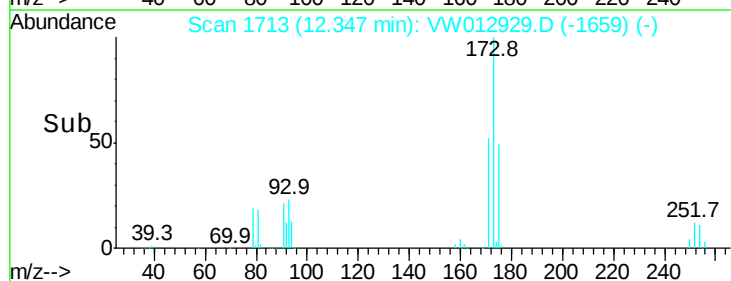
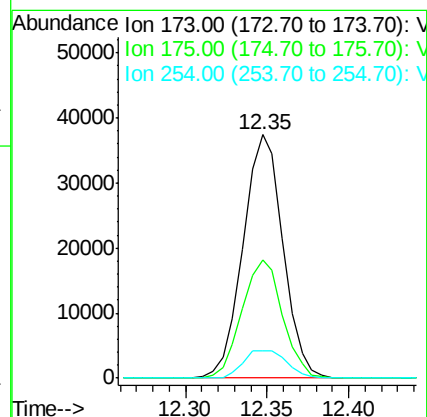
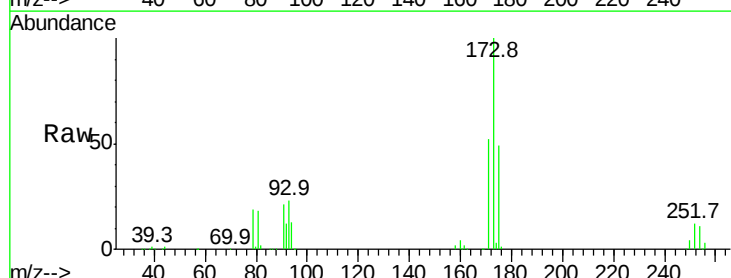
Tgt Ion: 173 Resp: 63834

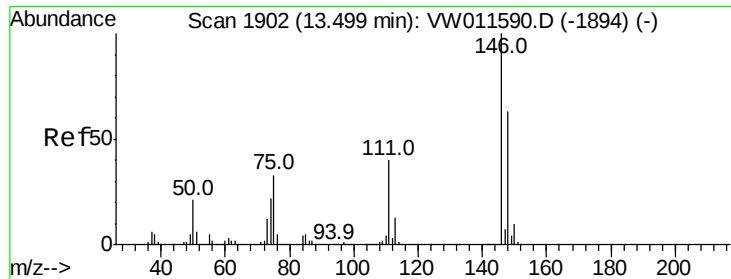
Ion Ratio Lower Upper

173 100

175 49.6 39.4 59.0

254 12.2 9.0 13.6

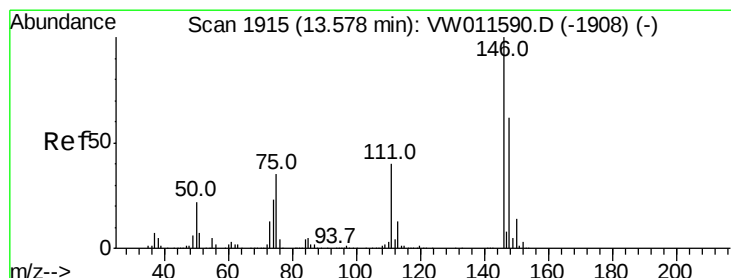
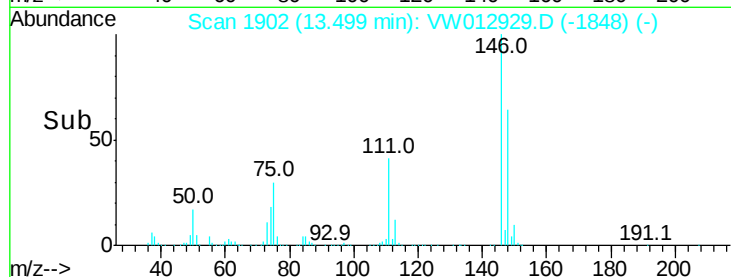
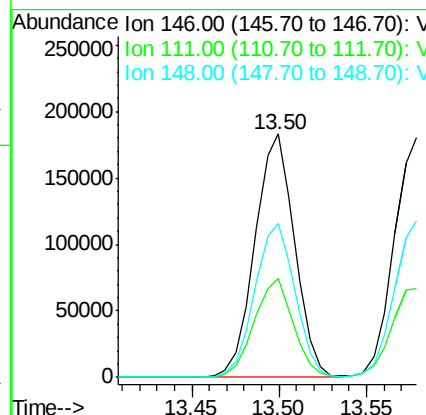
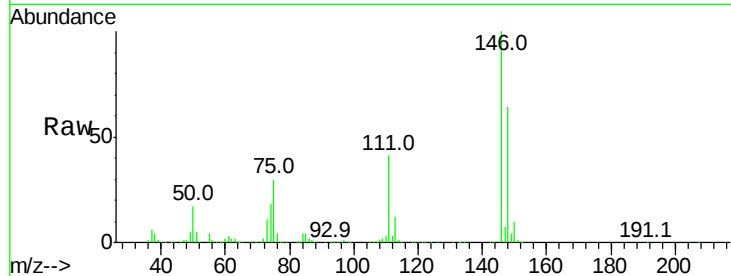




#63
 1,3-Dichlorobenzene
 Concen: 23.204 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012929.D
 Acq: 12 Sep 2019 11:49

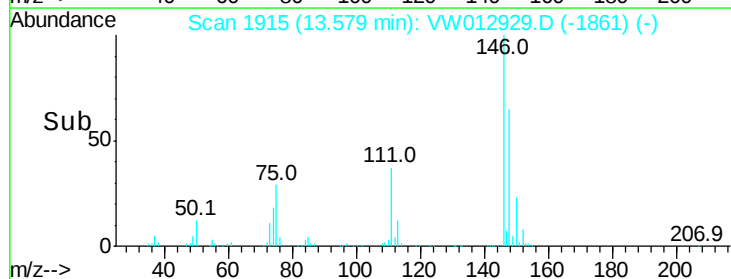
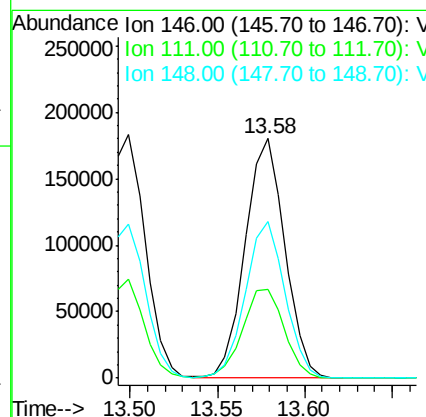
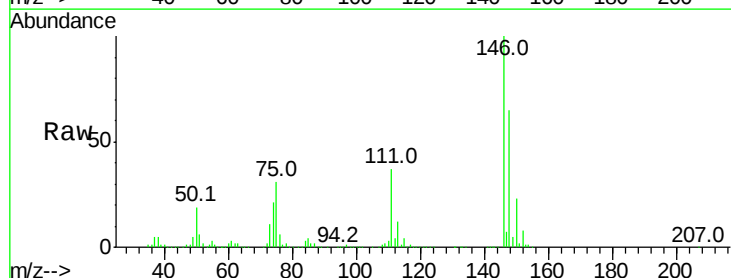
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

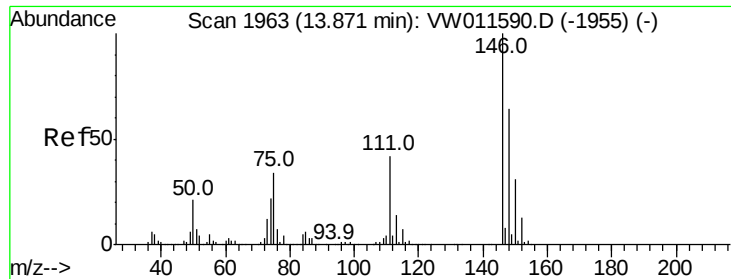
Tgt Ion:146 Resp: 288176
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.6 53.2
 148 63.5 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 22.870 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012929.D
 Acq: 12 Sep 2019 11:49

Tgt Ion:146 Resp: 285224
 Ion Ratio Lower Upper
 146 100
 111 37.3 27.4 51.0
 148 65.4 44.4 82.5

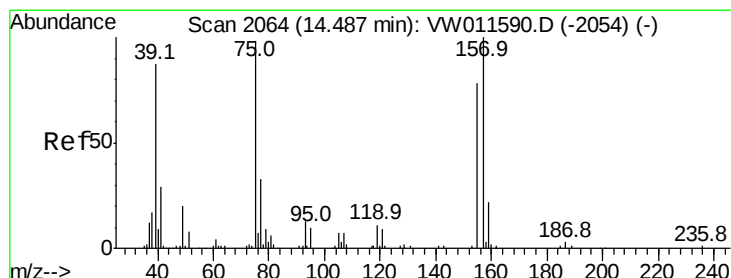
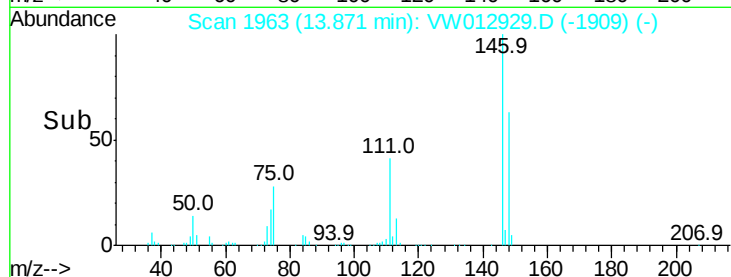
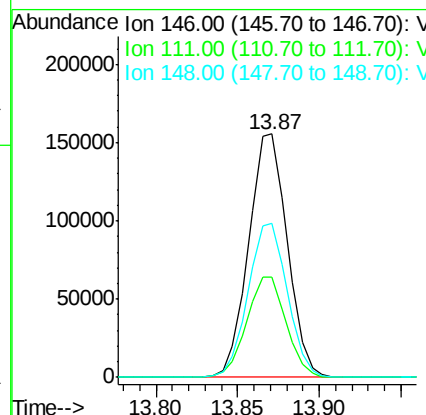
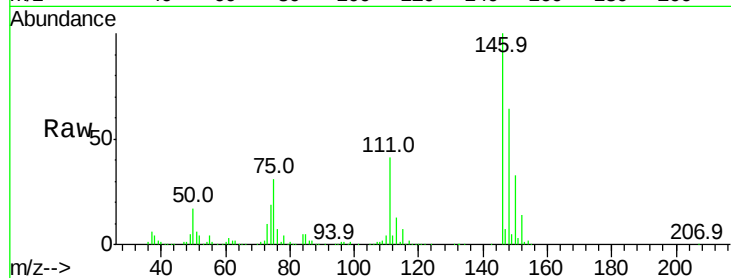




#65
 1,2-Dichlorobenzene
 Concen: 22.819 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012929.D
 Acq: 12 Sep 2019 11:49

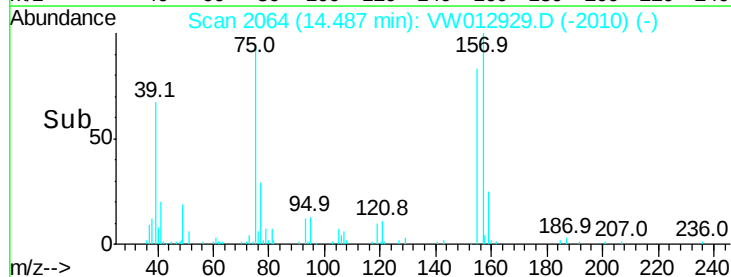
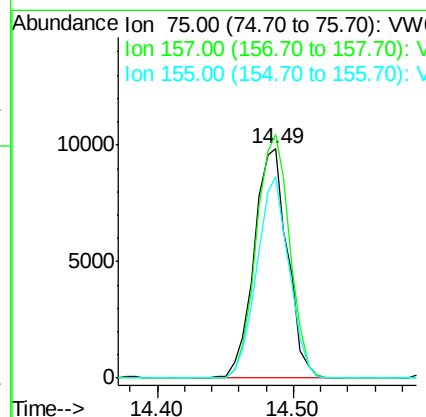
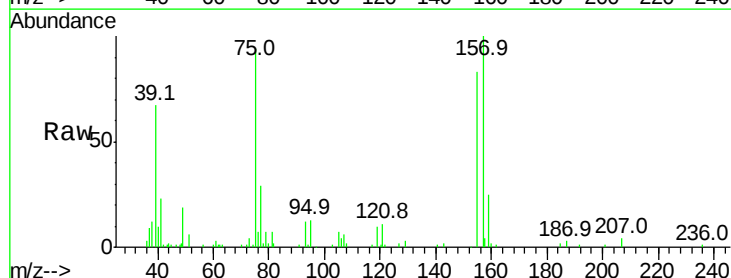
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

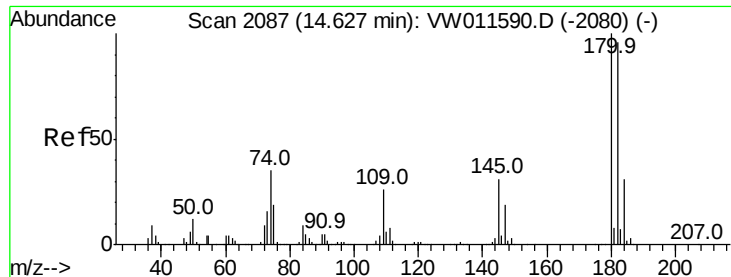
Tgt Ion:146 Resp: 256616
 Ion Ratio Lower Upper
 146 100
 111 41.3 34.6 51.8
 148 63.5 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 14.563 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW012929.D
 Acq: 12 Sep 2019 11:49

Tgt Ion: 75 Resp: 16950
 Ion Ratio Lower Upper
 75 100
 157 106.2 79.3 118.9
 155 87.8 59.9 89.9

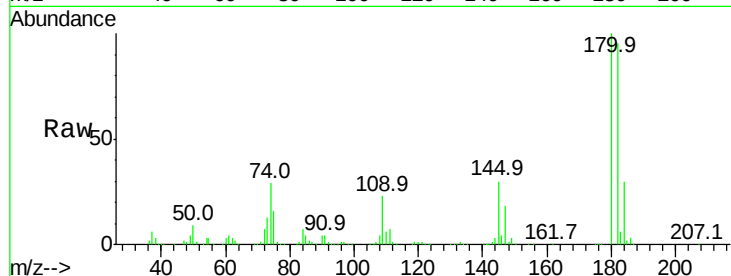




#67
 1,3,5-Trichlorobenzene
 Concen: 24.691 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW012929.D
 Acq: 12 Sep 2019 11:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Tgt Ion:	180	Resp:	225691
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.9	113.9
184	29.8	24.2	36.2
145	28.9	23.0	34.6

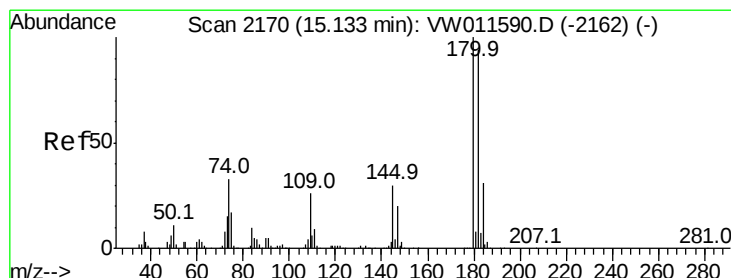
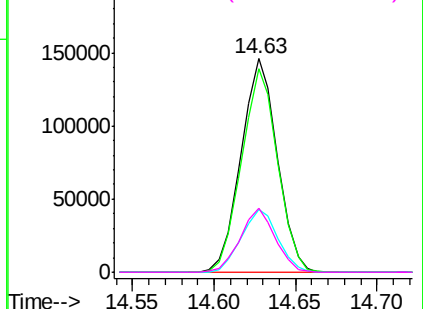
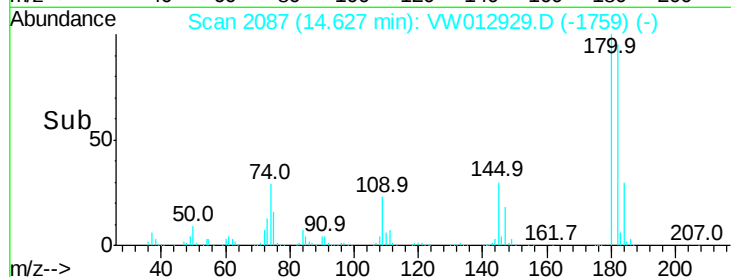


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

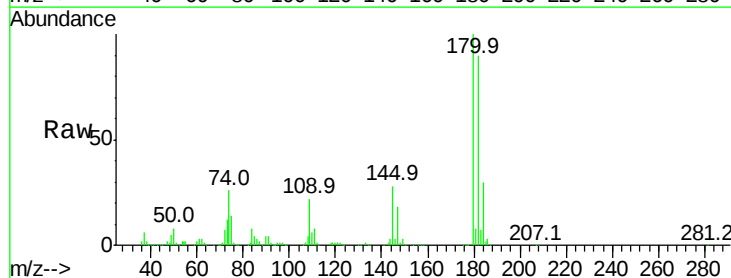
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.964 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012929.D
 Acq: 12 Sep 2019 11:49

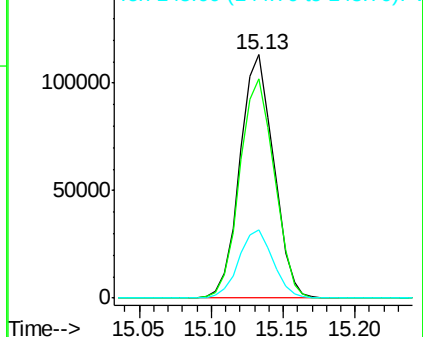
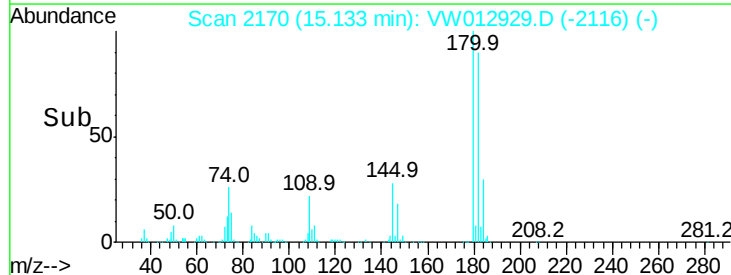
Tgt Ion:	180	Resp:	183775
Ion	Ratio	Lower	Upper
180	100		
182	92.3	77.3	115.9
145	28.6	24.3	36.5

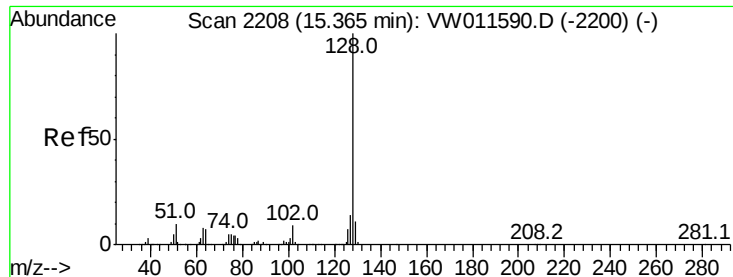


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 20.286 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

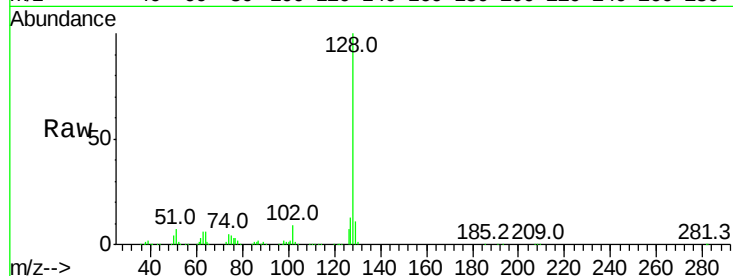
Tgt Ion:128 Resp: 300729

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

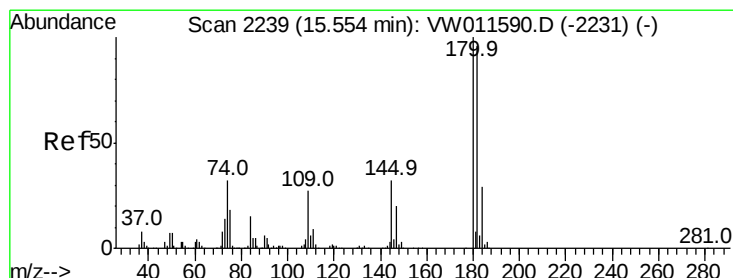
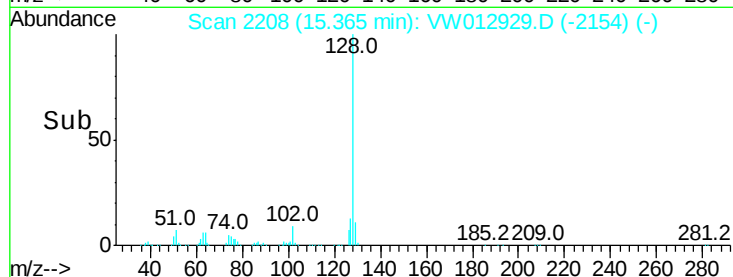
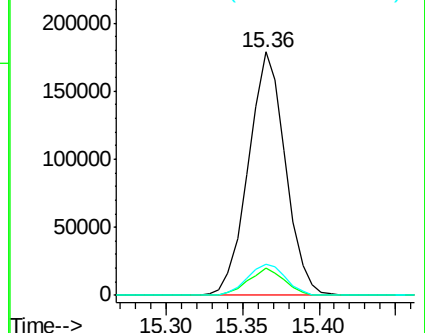
127 13.0 10.6 16.0



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: 23.401 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012929.D

Acq: 12 Sep 2019 11:49

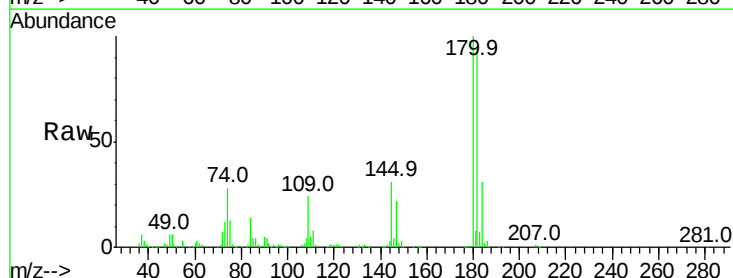
Tgt Ion:180 Resp: 159546

Ion Ratio Lower Upper

180 100

182 94.3 74.9 112.3

145 30.5 25.6 38.4



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

