

Data File : VW011104.D
Acq On : 02 Jul 2019 11:14
Operator : SY/VA
Sample : VSTD10017
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10007

Quant Time: Jul 02 11:36:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 10:47:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	360786	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	336289	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	164364	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	536434	114.71	ug/L	0.00
7) Chloroethane-d5	2.88	69	391061	108.48	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	1154982	104.50	ug/L	0.00
20) 2-Butanone-d5	7.07	46	422161	192.23	ug/L	0.00
24) Chloroform-d	7.65	84	978695	100.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	588804	97.62	ug/L	0.00
29) Benzene-d6	8.27	84	1989392	98.54	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	656388	98.39	ug/L	0.00
37) Toluene-d8	10.32	98	1810706	99.39	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	300972	101.94	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	312497	208.43	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	533113	96.95	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	605957	97.67	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	472974	93.263	ug/L	97
3) Chloromethane	2.21	50	518195	96.105	ug/L	99
5) Vinyl chloride	2.36	62	582910	90.418	ug/L	100
6) Bromomethane	2.77	94	285097	89.594	ug/L	100
8) Chloroethane	2.92	64	319743	93.648	ug/L	97
9) Trichlorofluoromethane	3.24	101	233439	107.222	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	471387	93.164	ug/L	98
12) 1,1-Dichloroethene	4.04	96	469862	93.039	ug/L	90
13) Acetone	4.12	43	325709	154.873	ug/L	97
14) Carbon disulfide	4.38	76	1369507	91.592	ug/L	100
15) Methyl Acetate	4.67	43	338824	93.072	ug/L	100
16) Methylene chloride	4.92	84	488896	91.496	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	719497	90.994	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	472875	93.118	ug/L	98
19) 1,1-Dichloroethane	6.21	63	974921	93.996	ug/L	100
21) 2-Butanone	7.17	43	491741	177.793	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	521916	95.519	ug/L	100
23) Bromochloromethane	7.51	128	218154	93.875	ug/L	97
25) Chloroform	7.67	83	904475	95.045	ug/L	100
27) 1,2-Dichloroethane	8.40	62	677368	90.837	ug/L	100
30) Cyclohexane	7.95	56	1000252	89.948	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	670033	91.612	ug/L	100
32) Carbon tetrachloride	8.07	117	649904	94.075	ug/L	99
34) Benzene	8.32	78	1998888	90.453	ug/L	100
35) Trichloroethene	9.09	95	504818	90.080	ug/L	100
36) Methylcyclohexane	9.34	83	919291	89.371	ug/L	99
40) 1,2-Dichloropropane	9.37	63	561130	92.254	ug/L	100
41) Bromodichloromethane	9.64	83	681237	95.439	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	897783	95.951	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	1028530	182.220	ug/L	100

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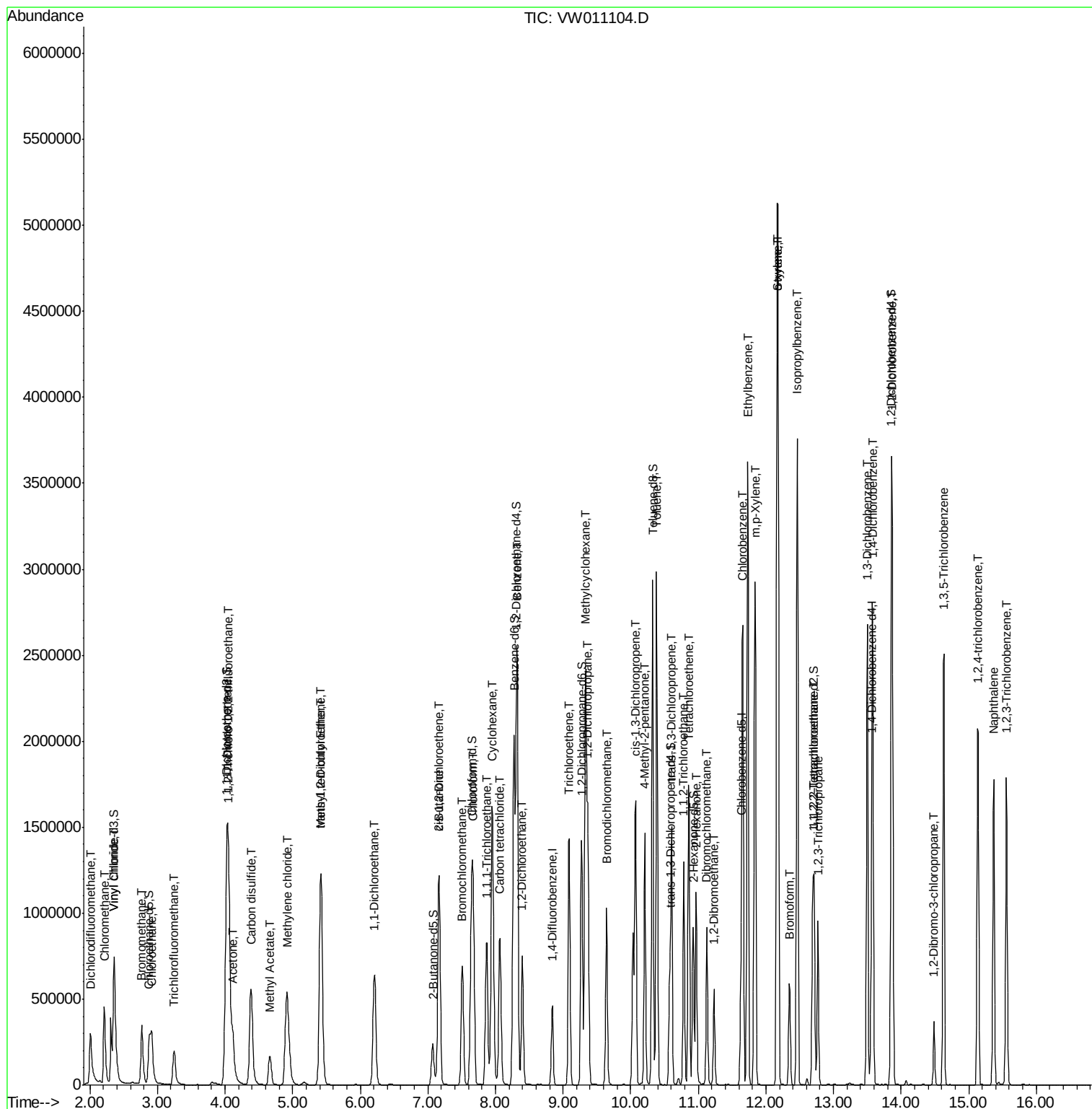
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2116571	91.597	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	745562	96.393	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	383362	91.967	ug/L	98
47) Tetrachloroethene	10.86	164	380691	89.572	ug/L	100
49) 2-Hexanone	10.97	43	749951	186.757	ug/L	98
50) Dibromochloromethane	11.13	129	448516	97.718	ug/L	98
51) 1,2-Dibromoethane	11.24	107	376564	93.413	ug/L	98
52) Chlorobenzene	11.66	112	1301482	93.597	ug/L	99
53) Ethylbenzene	11.73	91	2420536	92.978	ug/L	97
54) m,p-Xylene	11.84	106	882448	93.411	ug/L	98
55) o-xylene	12.16	106	861767	95.065	ug/L	100
56) Styrene	12.18	104	1489124	95.260	ug/L	100
57) Isopropylbenzene	12.46	105	2316411	94.188	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	512769	94.078	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	385935	91.196	ug/L	99
62) Bromoform	12.35	173	262123	99.635	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	1008110	94.209	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1006996	93.682	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	923452	93.305	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	91412	90.266	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	747642	91.794	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	639373	92.624	ug/L	100
69) Naphthalene	15.37	128	1418511	96.299	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	584298	93.187	ug/L	100

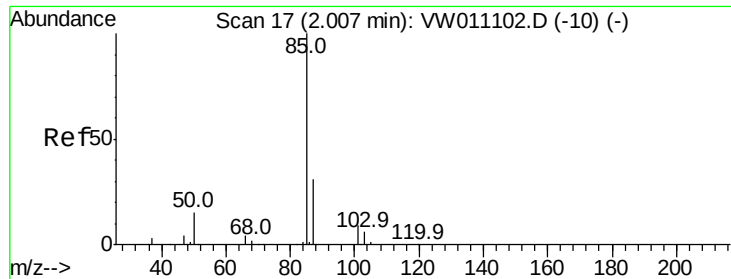
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 93.263 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

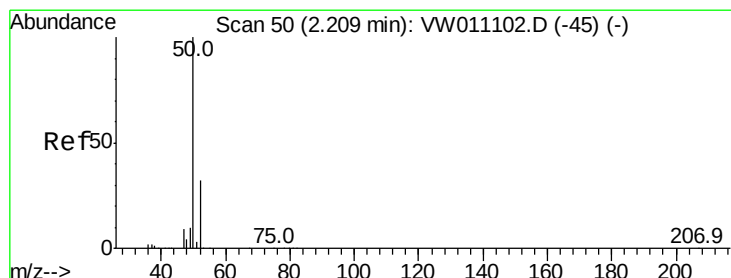
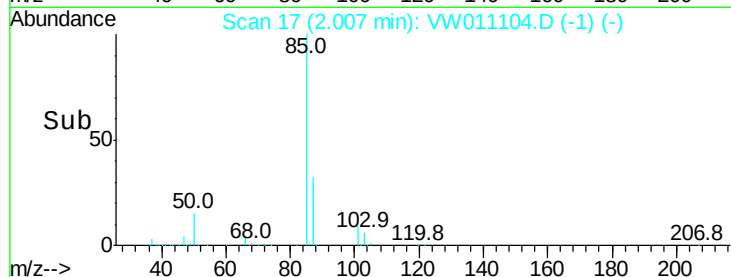
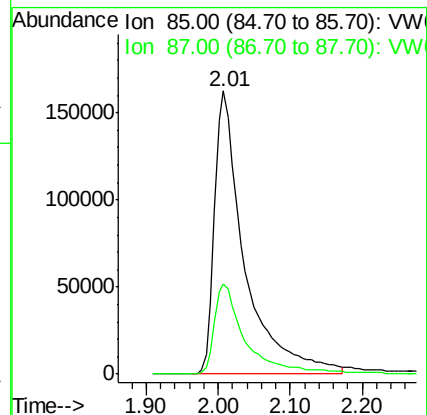
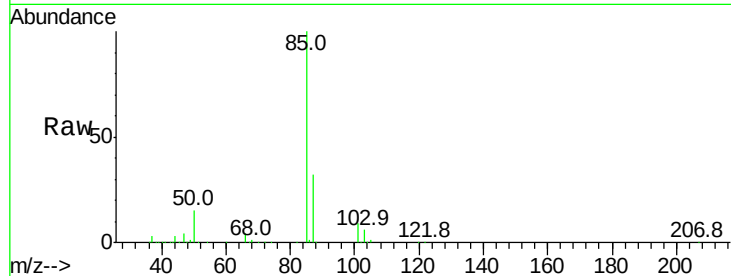
VSTD10007

Tgt Ion: 85 Resp: 472974

Ion Ratio Lower Upper

85 100

87 31.2 20.6 38.4



#3

Chloromethane

Concen: 96.105 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW011104.D

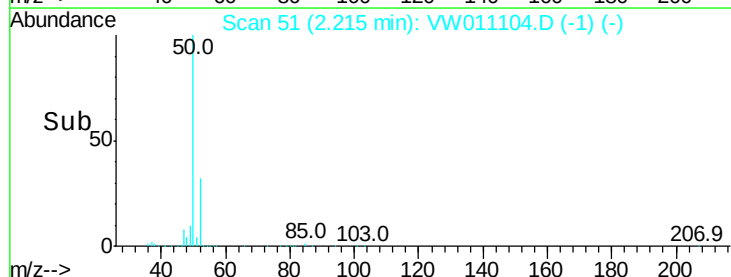
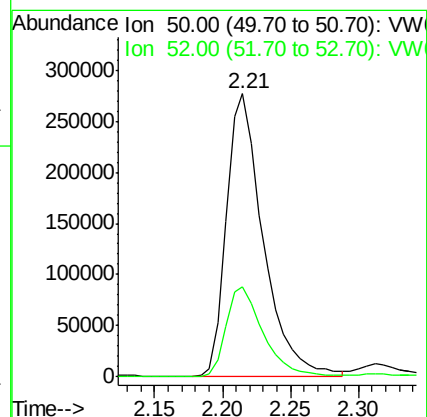
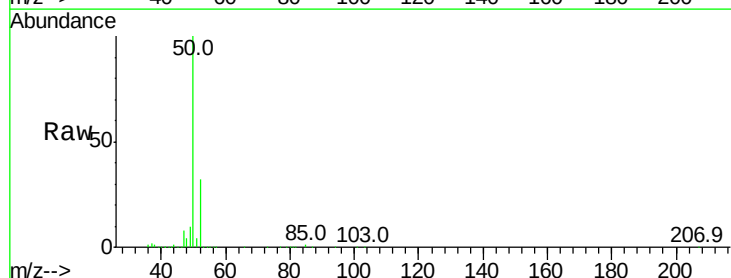
Acq: 02 Jul 2019 11:14

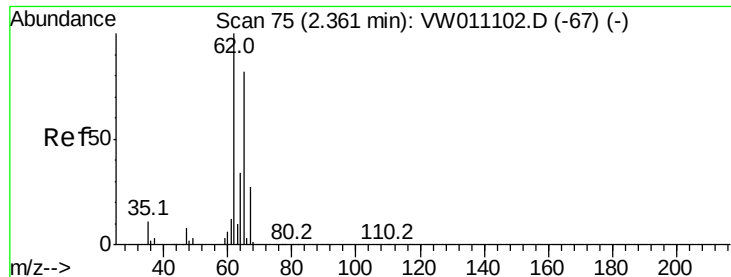
Tgt Ion: 50 Resp: 518195

Ion Ratio Lower Upper

50 100

52 31.6 22.3 41.5





#5

Vinyl chloride

Concen: 90.418 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

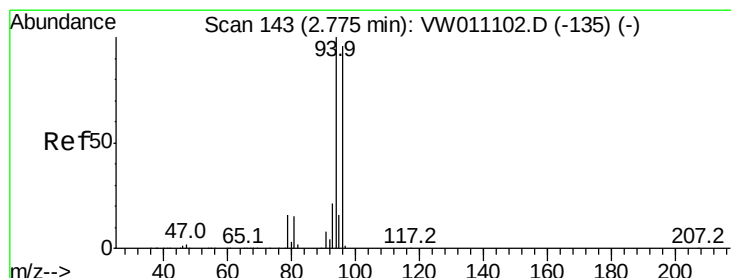
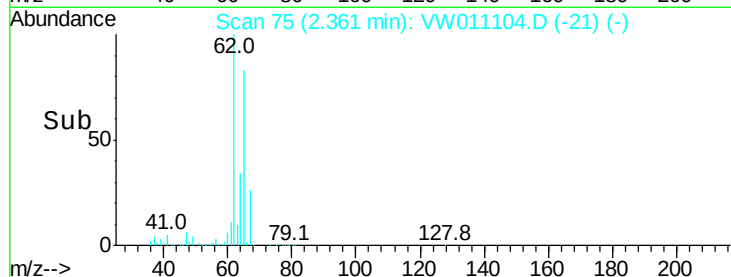
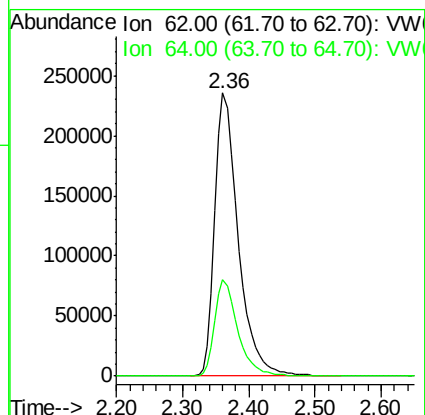
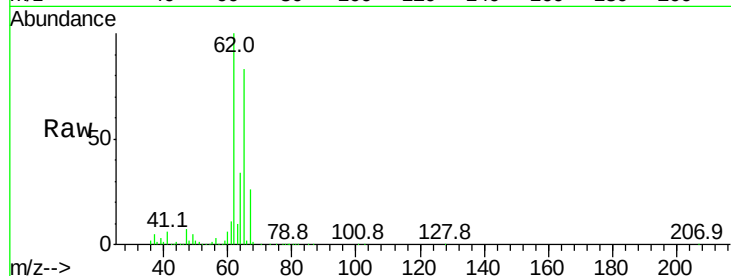
VSTD10007

Tgt Ion: 62 Resp: 582910

Ion Ratio Lower Upper

62 100

64 33.9 23.9 44.3



#6

Bromomethane

Concen: 89.594 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011104.D

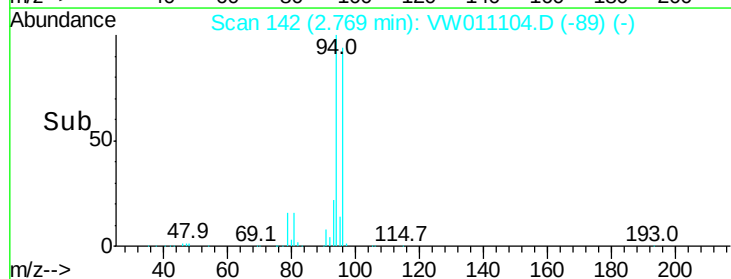
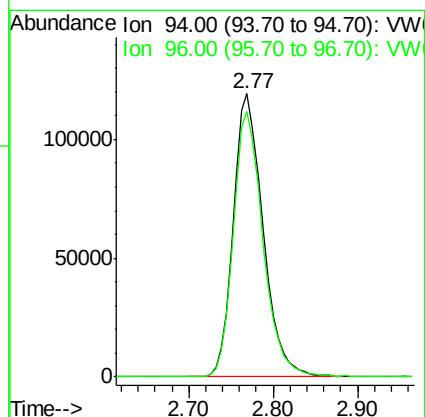
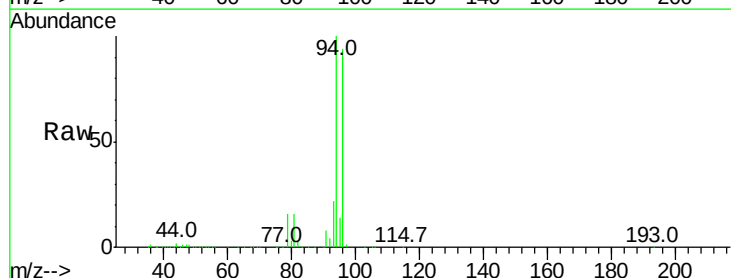
Acq: 02 Jul 2019 11:14

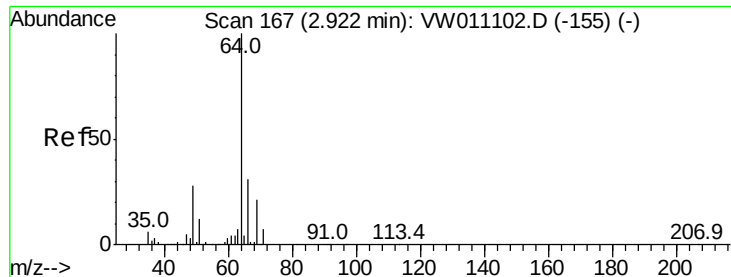
Tgt Ion: 94 Resp: 285097

Ion Ratio Lower Upper

94 100

96 93.5 9.3 177.3





#8

Chloroethane

Concen: 93.648 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

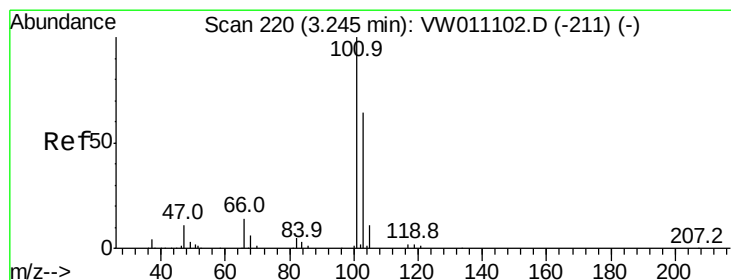
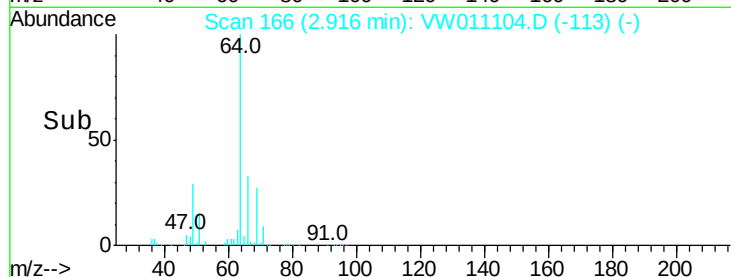
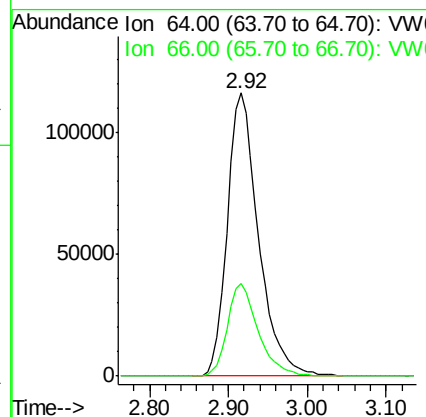
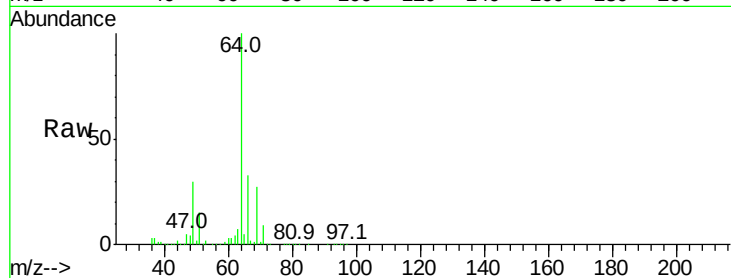
VSTD10007

Tgt Ion: 64 Resp: 319743

Ion Ratio Lower Upper

64 100

66 32.8 21.9 40.7



#9

Trichlorofluoromethane

Concen: 107.222 ug/L

RT: 3.24 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW011104.D

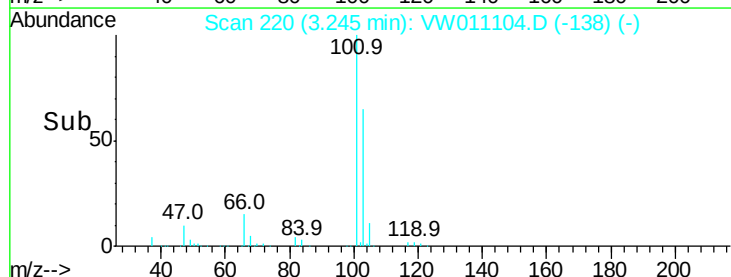
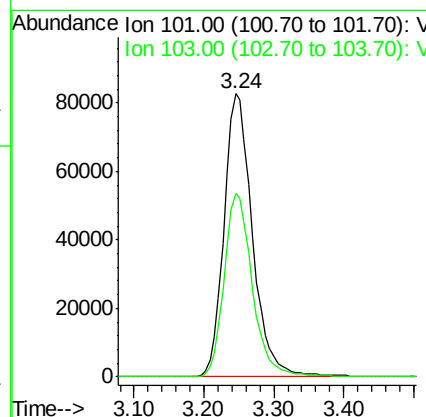
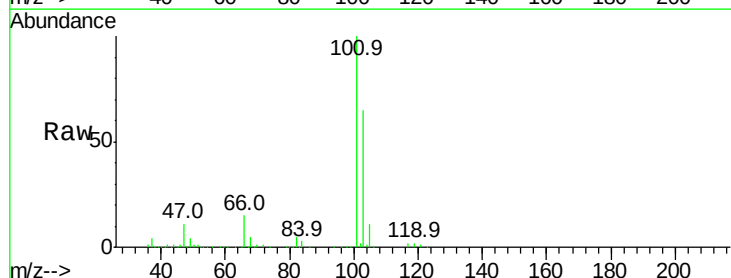
Acq: 02 Jul 2019 11:14

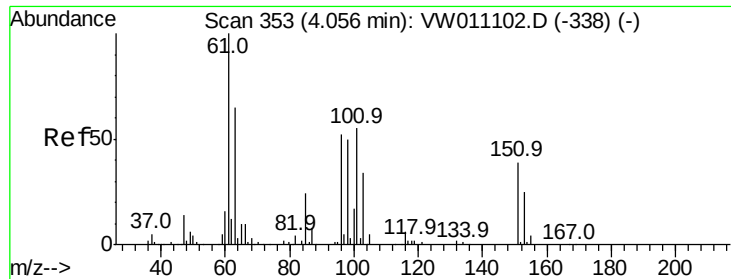
Tgt Ion: 101 Resp: 233439

Ion Ratio Lower Upper

101 100

103 64.0 44.6 82.8





#11

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

Concen: 93.164 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10007

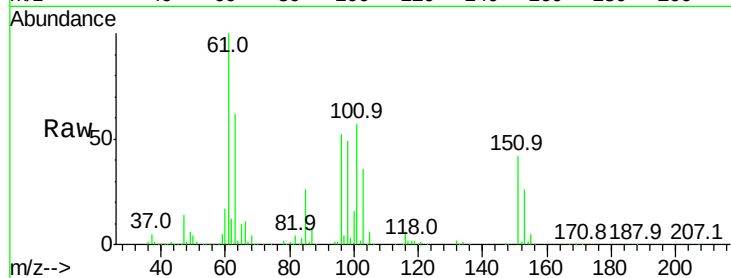
Tgt Ion:101 Resp: 471387

Ion Ratio Lower Upper

101 100

85 44.7 33.8 50.8

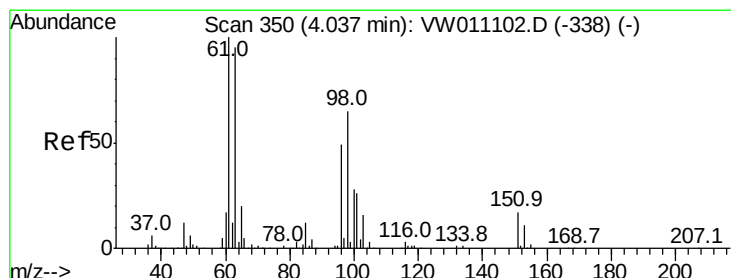
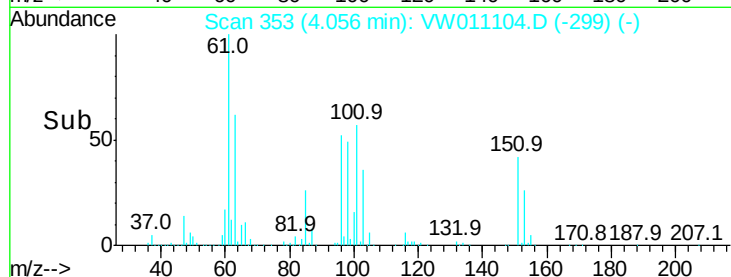
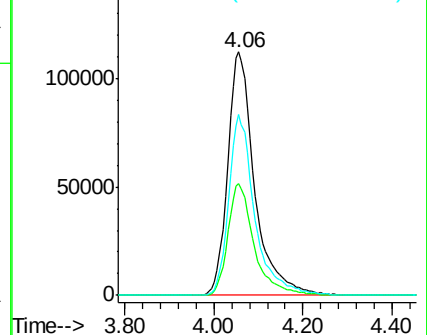
151 71.9 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 93.039 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

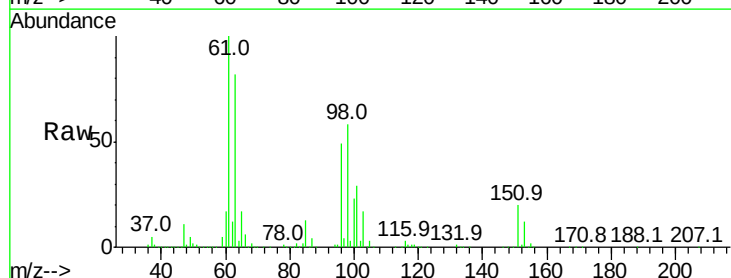
Tgt Ion: 96 Resp: 469862

Ion Ratio Lower Upper

96 100

61 205.7 142.2 264.0

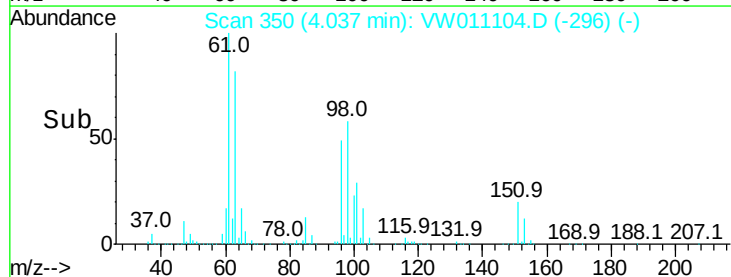
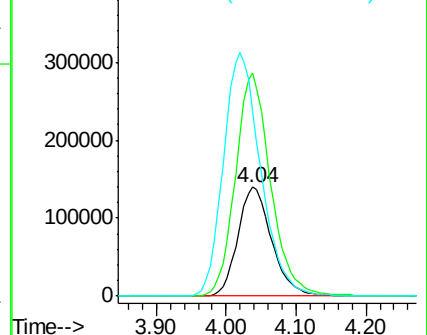
63 169.4 138.9 257.9

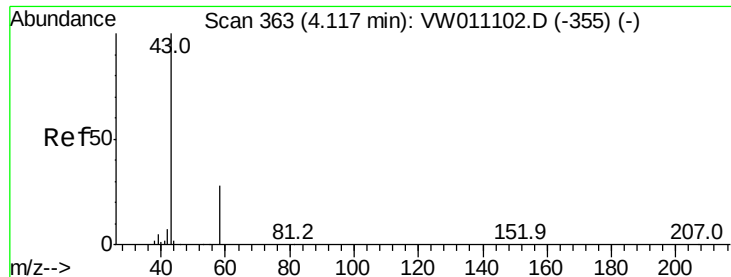


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 154.873 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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ClientSampled :

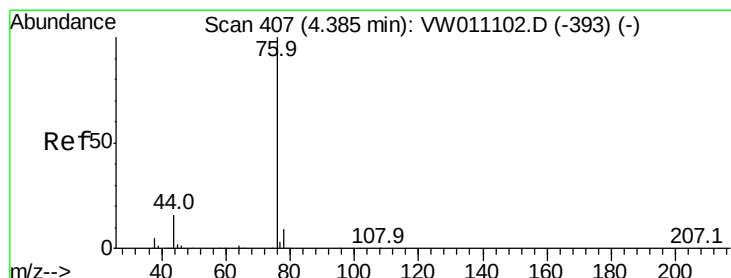
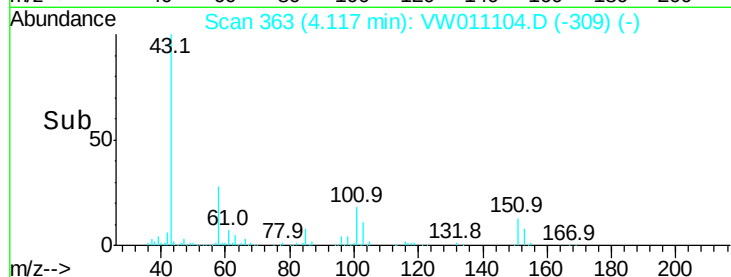
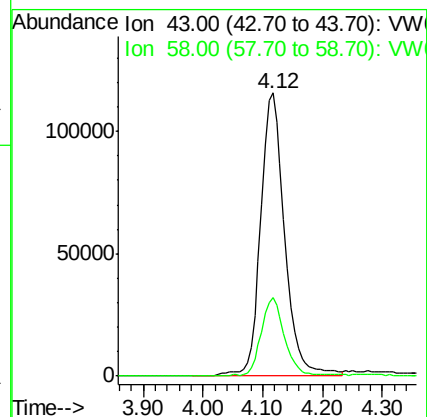
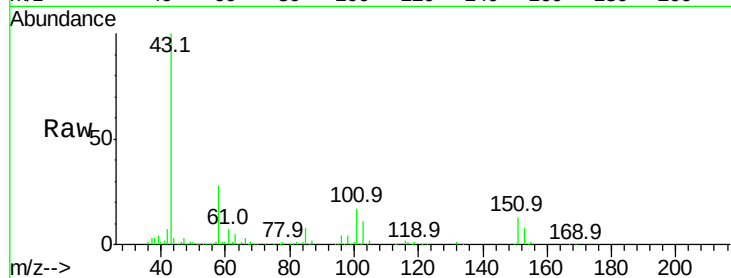
VSTD10007

Tgt Ion: 43 Resp: 325709

Ion Ratio Lower Upper

43 100

58 25.8 0.0 55.0



#14

Carbon disulfide

Concen: 91.592 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW011104.D

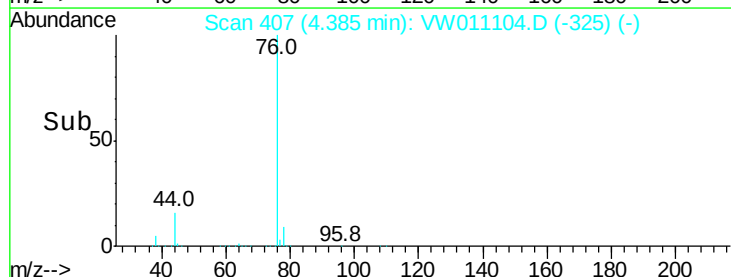
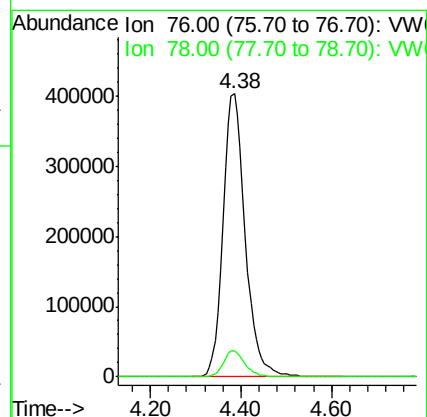
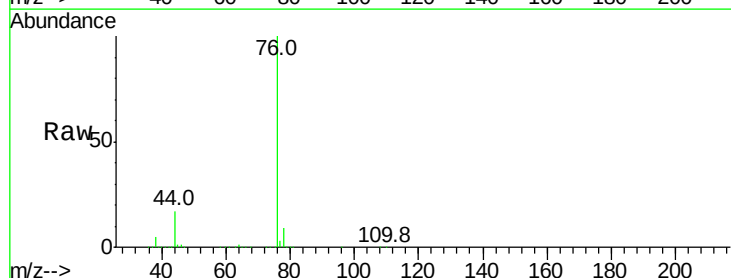
Acq: 02 Jul 2019 11:14

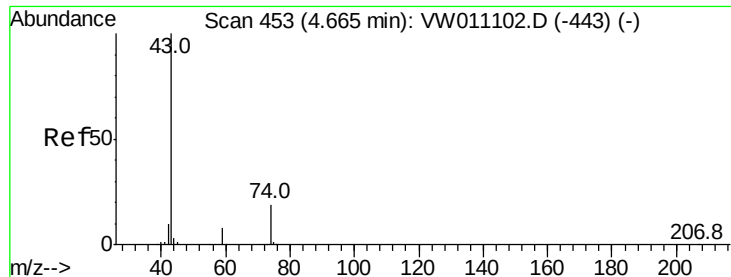
Tgt Ion: 76 Resp: 1369507

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

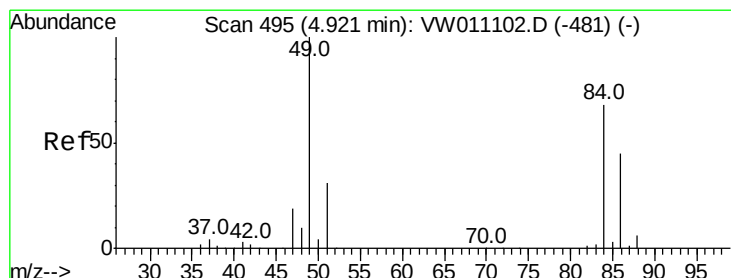
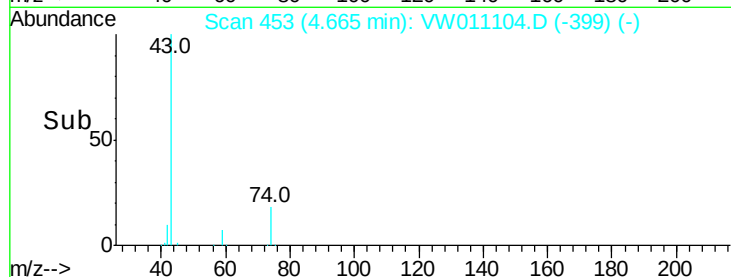
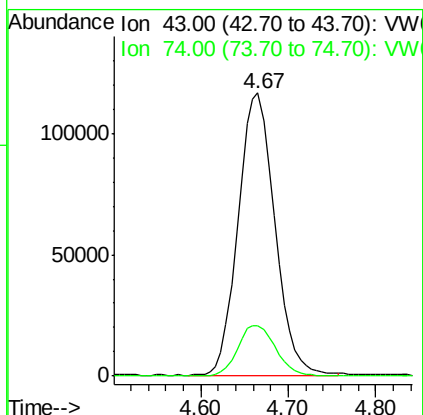
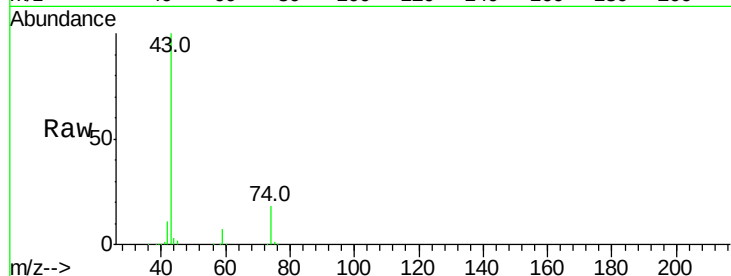




#15
Methyl Acetate
Concen: 93.072 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011104.D
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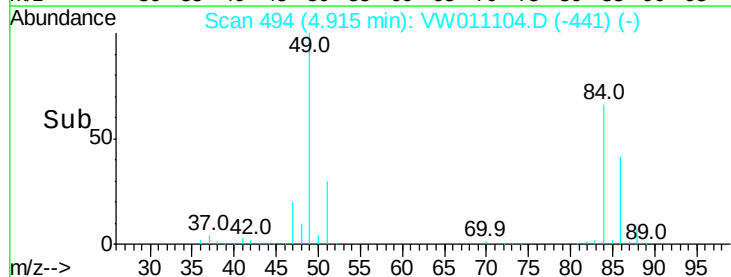
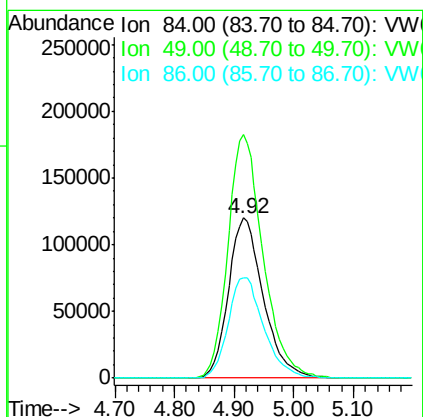
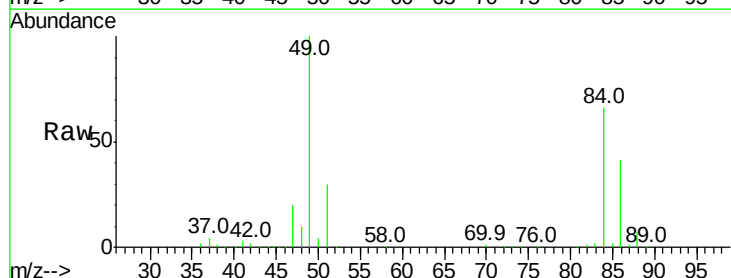
Instrument :
MSVOA_W
ClientSampleId :
VSTD10007

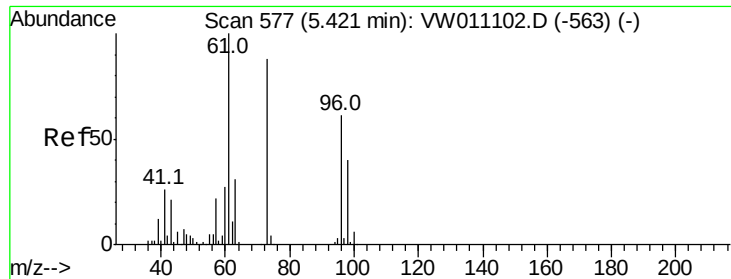
Tgt Ion: 43 Resp: 338824
Ion Ratio Lower Upper
43 100
74 18.7 15.1 22.7



#16
Methylene chloride
Concen: 91.496 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011104.D
Acq: 02 Jul 2019 11:14

Tgt Ion: 84 Resp: 488896
Ion Ratio Lower Upper
84 100
49 151.8 102.5 190.3
86 62.6 46.4 86.2

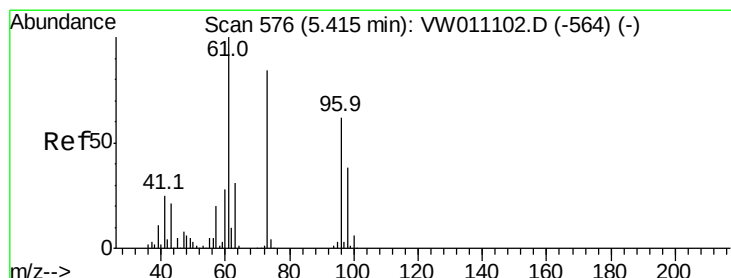
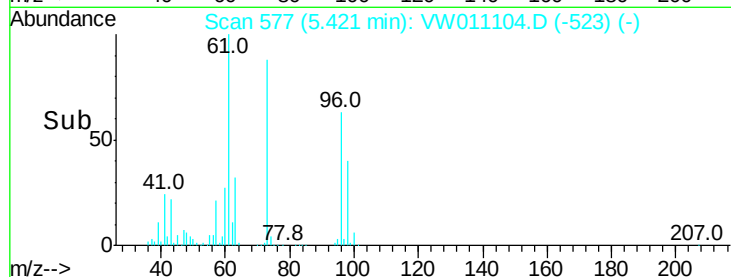
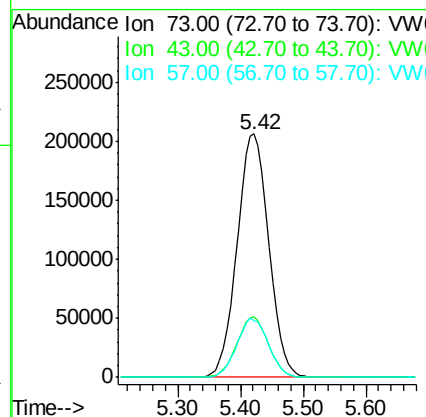
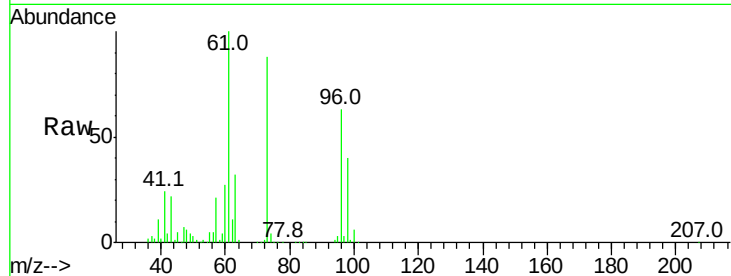




#17
Methyl tert-butyl Ether
Concen: 90.994 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011104.D
Acq: 02 Jul 2019 11:14

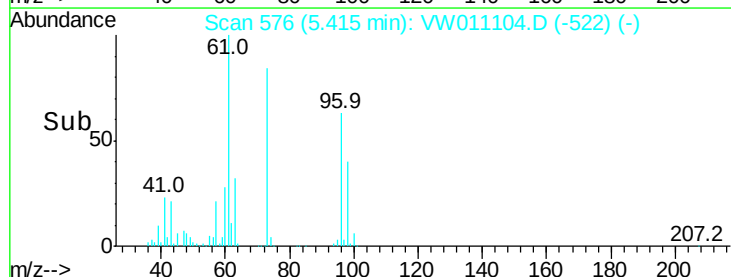
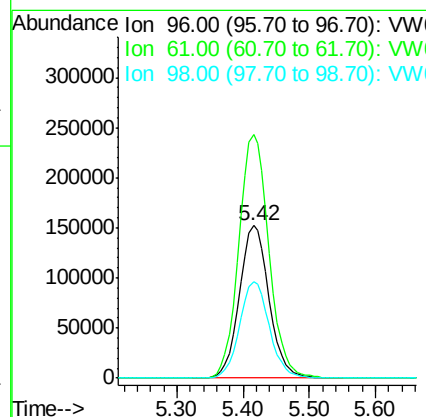
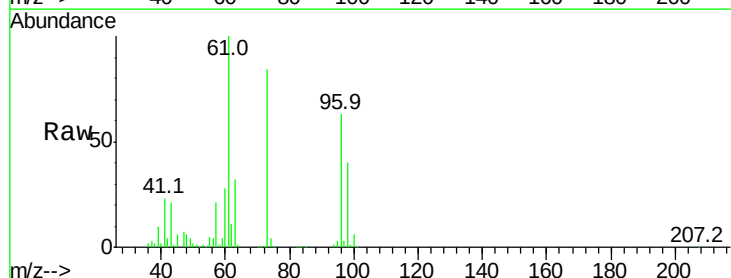
Instrument :
MSVOA_W
ClientSampled :
VSTD10007

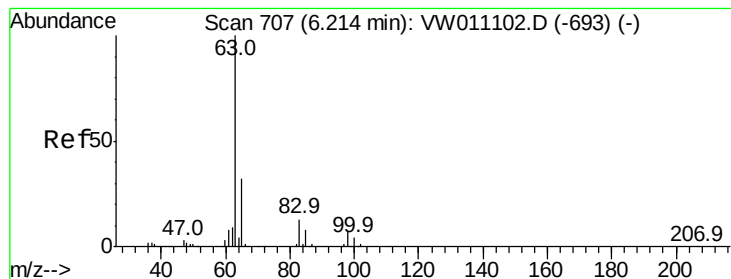
Tgt Ion: 73 Resp: 719497
Ion Ratio Lower Upper
73 100
43 24.7 20.2 30.2
57 24.2 19.6 29.4



#18
trans-1,2-Dichloroethene
Concen: 93.118 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW011104.D
Acq: 02 Jul 2019 11:14

Tgt Ion: 96 Resp: 472875
Ion Ratio Lower Upper
96 100
61 159.7 113.7 211.1
98 63.2 43.3 80.3





#19

1,1-Dichloroethane

Concen: 93.996 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10007

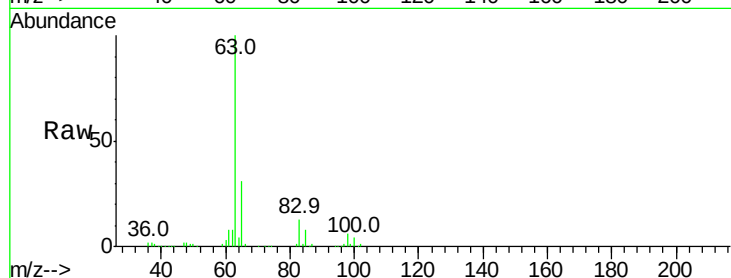
Tgt Ion: 63 Resp: 974921

Ion Ratio Lower Upper

63 100

65 31.5 22.1 41.1

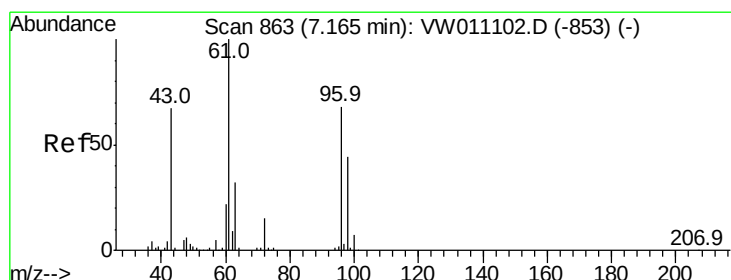
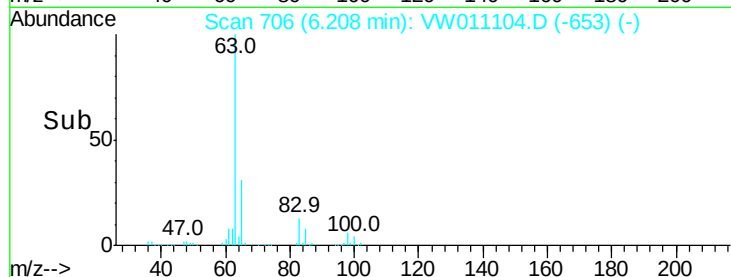
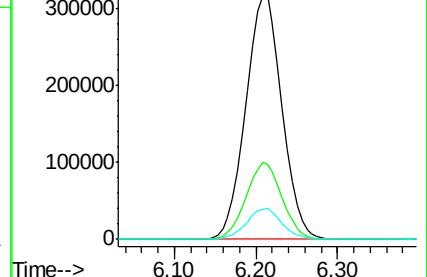
83 12.5 9.0 16.6



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 177.793 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011104.D

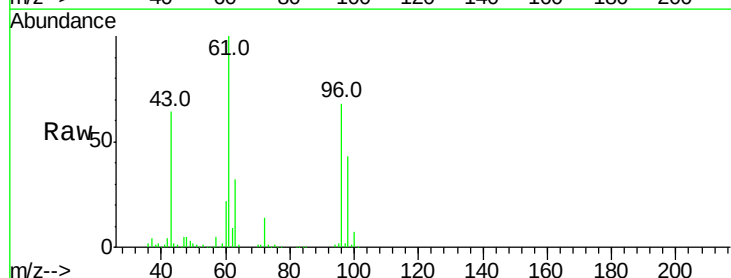
Acq: 02 Jul 2019 11:14

Tgt Ion: 43 Resp: 491741

Ion Ratio Lower Upper

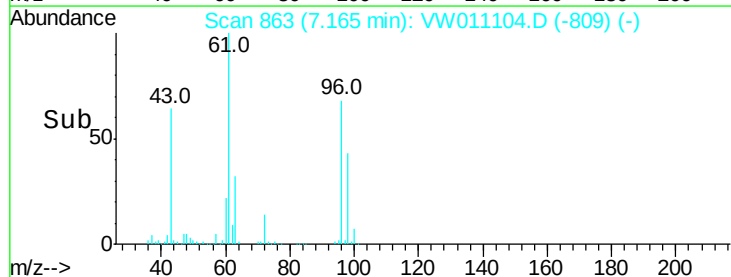
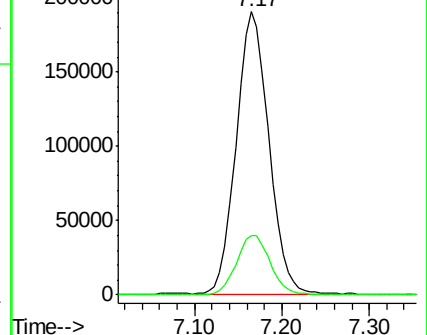
43 100

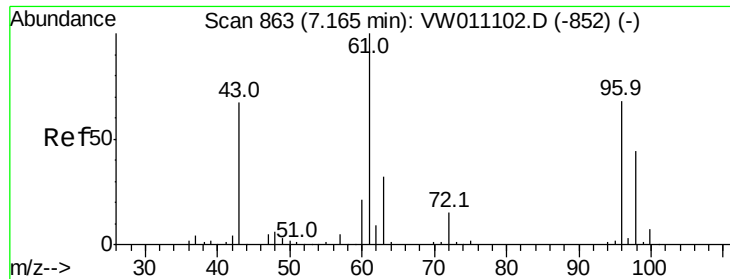
72 21.8 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



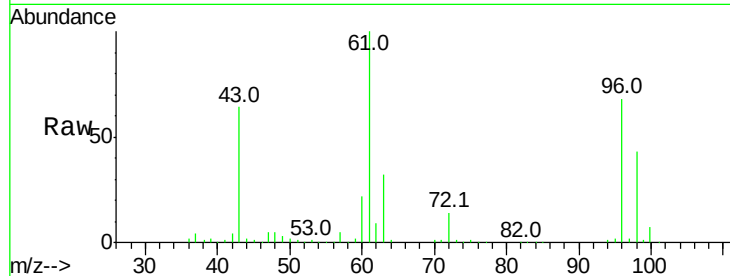


#22

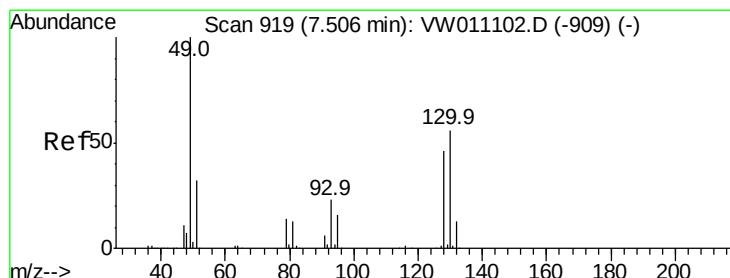
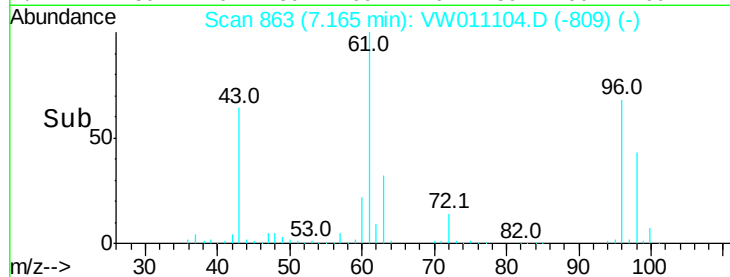
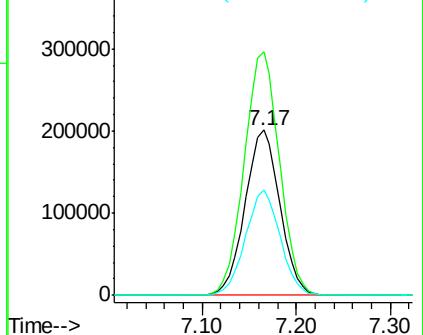
cis-1,2-Dichloroethene
Concen: 95.519 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011104.D
Acq: 02 Jul 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :
VSTD10007

Tgt Ion: 96 Resp: 521916
Ion Ratio Lower Upper
96 100
61 147.5 103.2 191.6
98 63.7 44.8 83.2



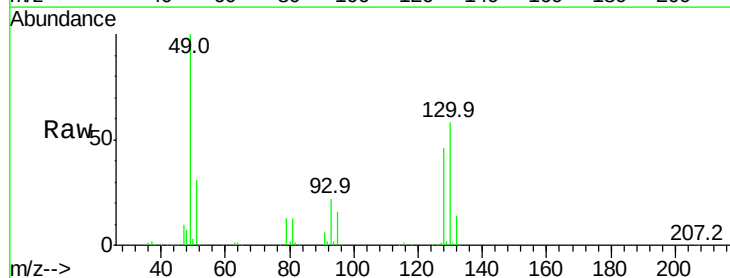
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



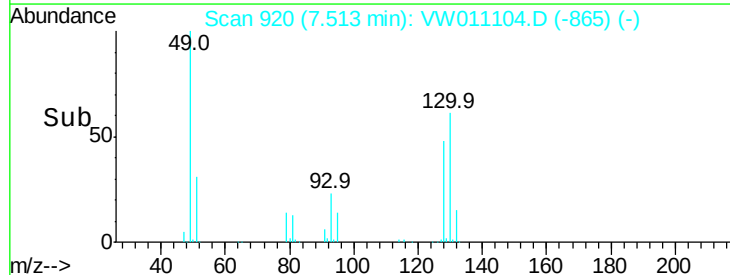
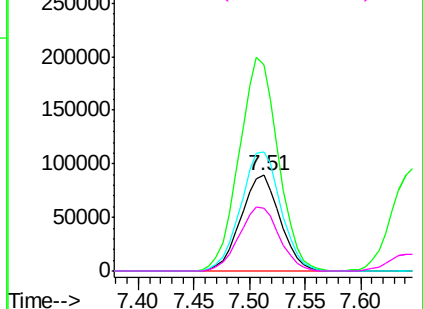
#23

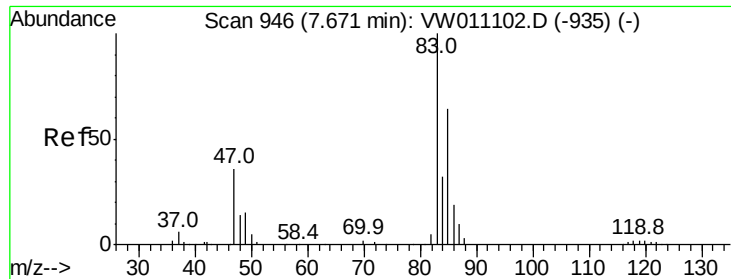
Bromochloromethane
Concen: 93.875 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW011104.D
Acq: 02 Jul 2019 11:14

Tgt Ion: 128 Resp: 218154
Ion Ratio Lower Upper
128 100
49 215.2 153.8 285.6
130 125.2 86.4 160.4
51 66.1 56.2 84.4



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

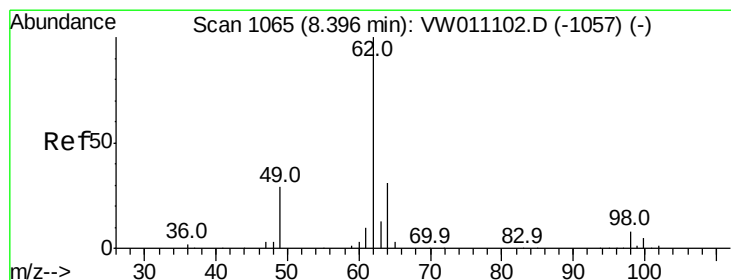
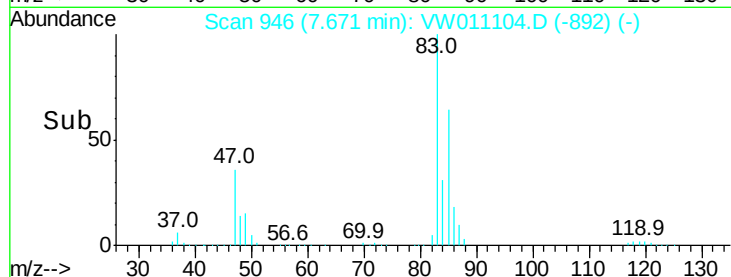
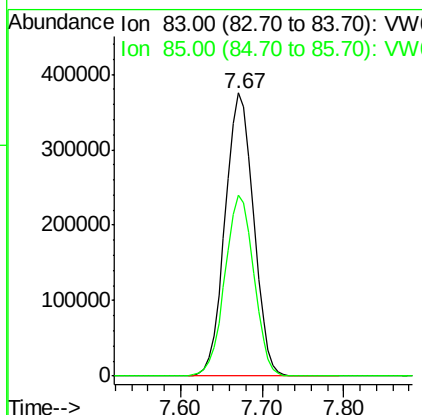
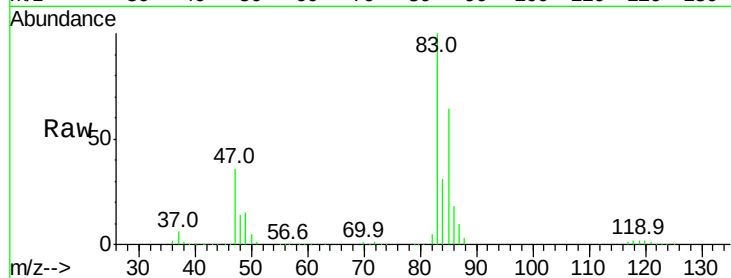




#25
Chloroform
Concen: 95.045 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011104.D
Acq: 02 Jul 2019 11:14

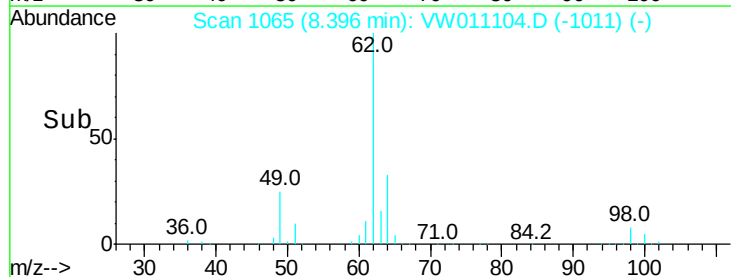
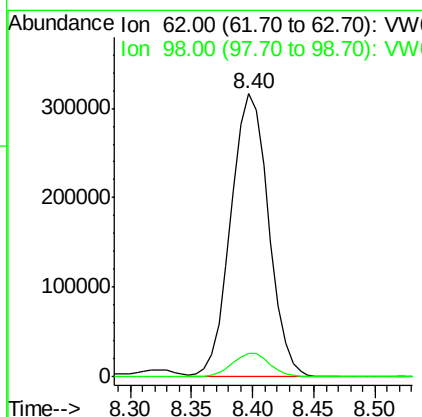
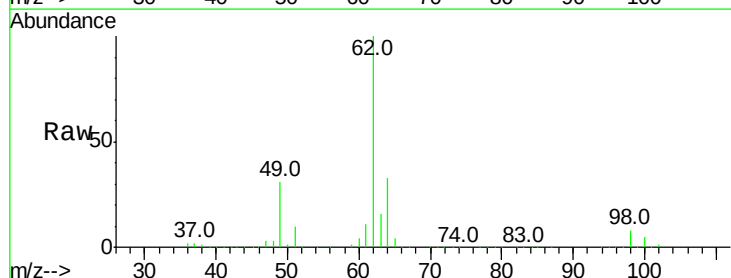
Instrument :
MSVOA_W
ClientSampleId :
VSTD10007

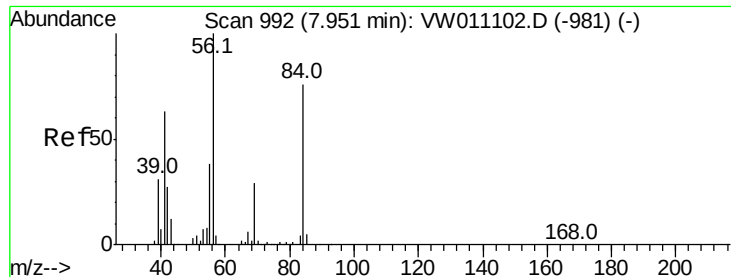
Tgt Ion: 83 Resp: 904475
Ion Ratio Lower Upper
83 100
85 65.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 90.837 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011104.D
Acq: 02 Jul 2019 11:14

Tgt Ion: 62 Resp: 677368
Ion Ratio Lower Upper
62 100
98 8.4 6.6 10.0

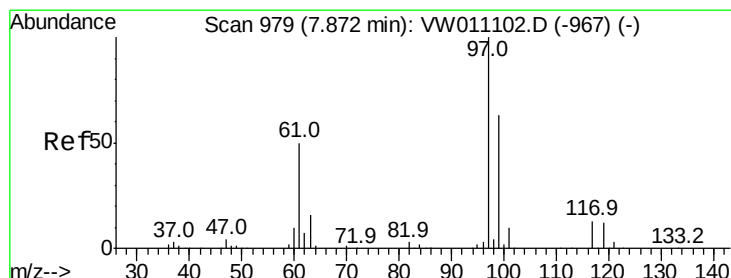
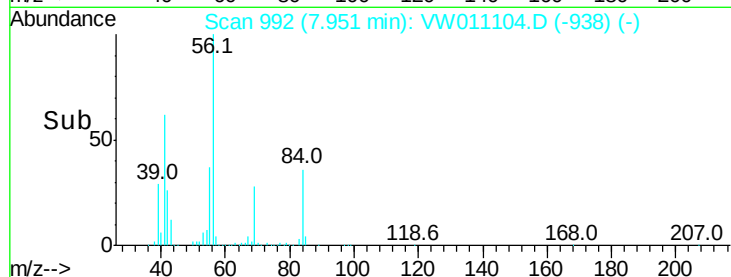
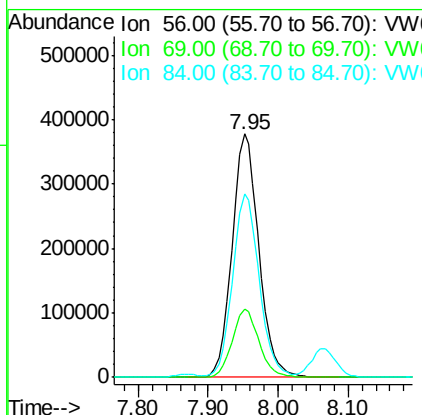
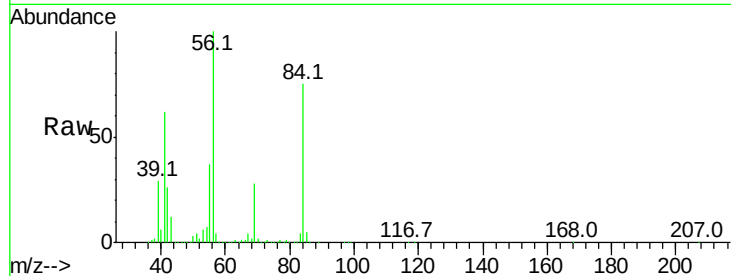




#30
Cyclohexane
Concen: 89.948 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011104.D
Acq: 02 Jul 2019 11:14

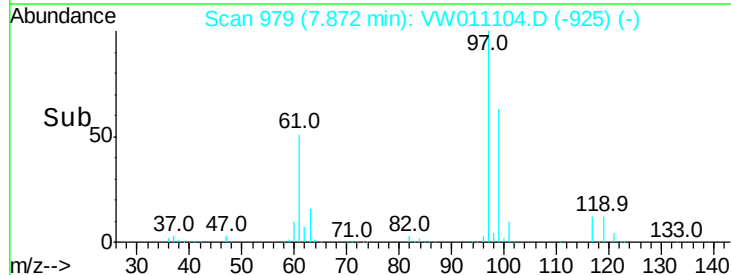
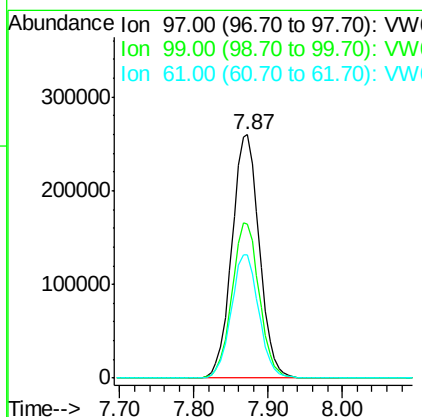
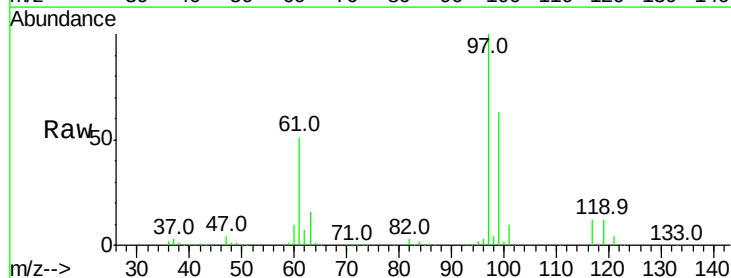
Instrument :
MSVOA_W
ClientSampleId :
VSTD10007

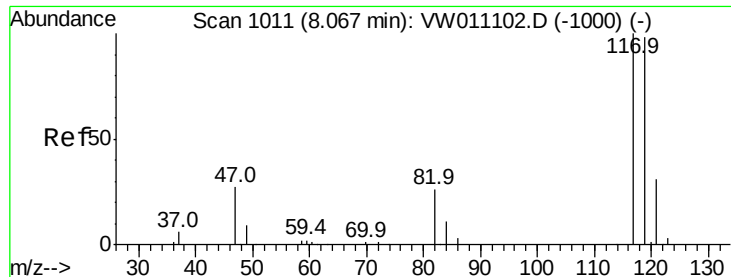
Tgt Ion: 56 Resp: 1000252
Ion Ratio Lower Upper
56 100
69 27.9 22.5 33.7
84 75.4 60.9 91.3



#31
1,1,1-Trichloroethane
Concen: 91.612 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011104.D
Acq: 02 Jul 2019 11:14

Tgt Ion: 97 Resp: 670033
Ion Ratio Lower Upper
97 100
99 63.6 50.6 75.8
61 51.0 40.9 61.3





#32

Carbon tetrachloride

Concen: 94.075 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

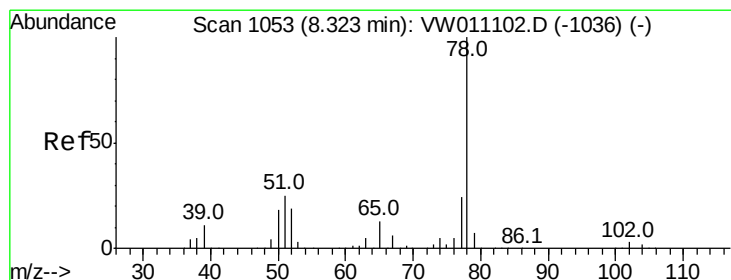
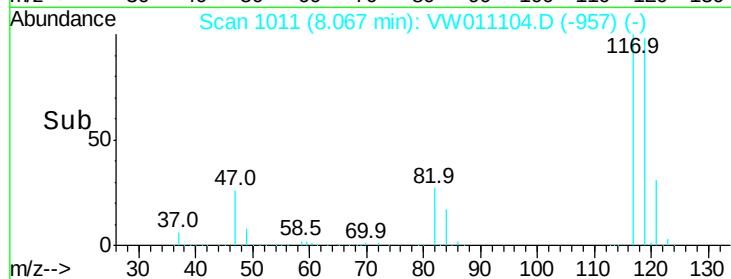
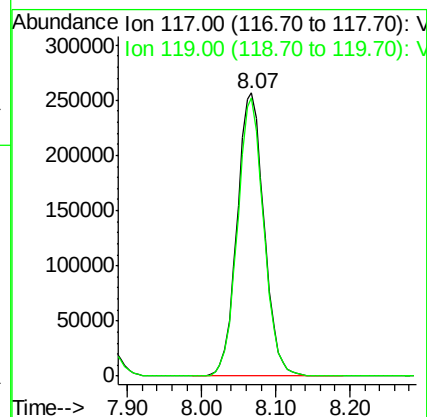
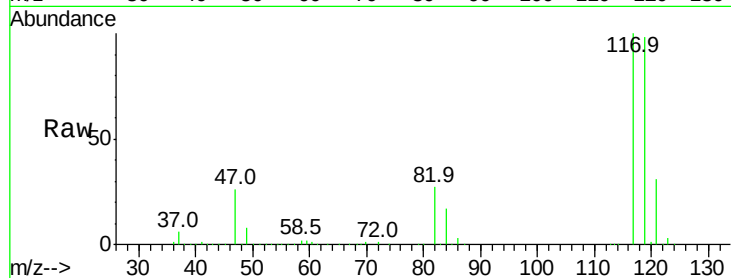
VSTD10007

Tgt Ion:117 Resp: 649904

Ion Ratio Lower Upper

117 100

119 95.7 77.4 116.0



#34

Benzene

Concen: 90.453 ug/L

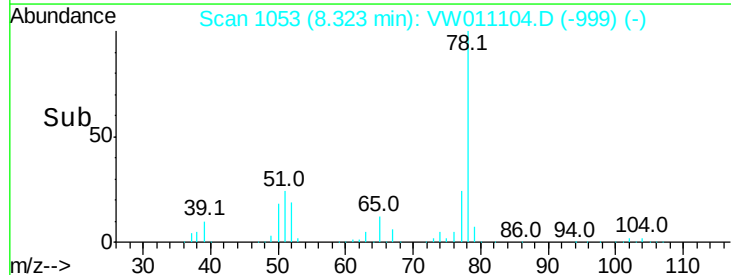
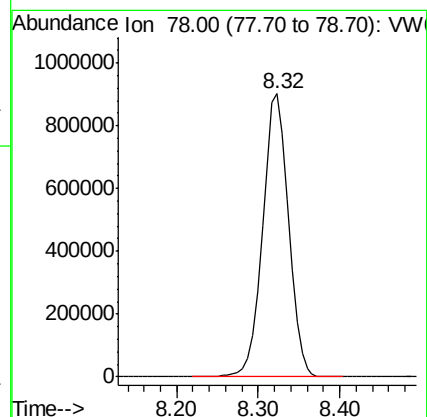
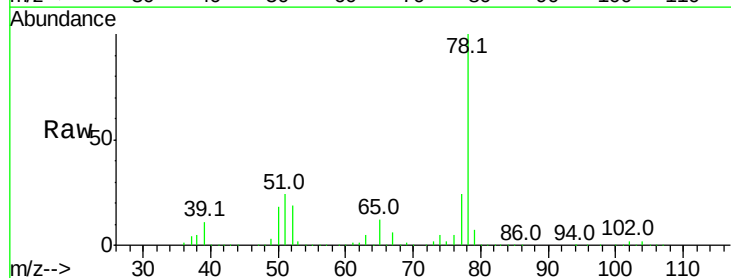
RT: 8.32 min Scan# 1053

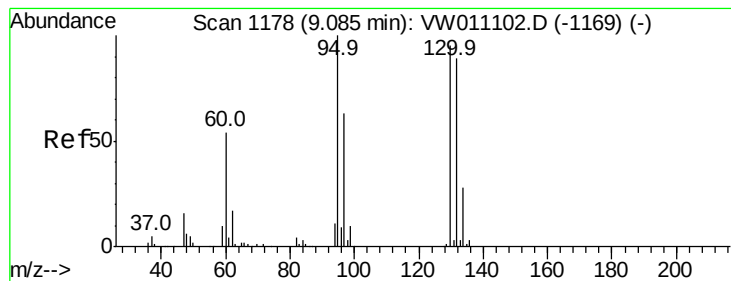
Delta R.T. 0.00 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

Tgt Ion: 78 Resp: 1998888





#35

Trichloroethene

Concen: 90.080 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10007

Tgt Ion: 95 Resp: 504818

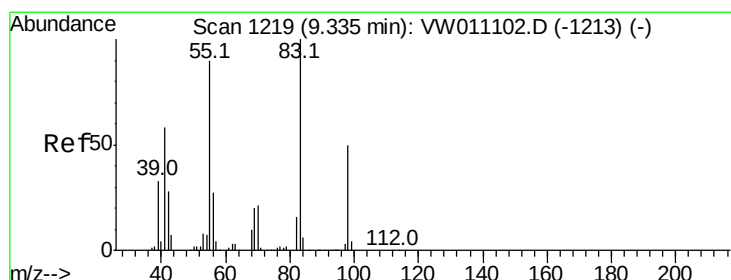
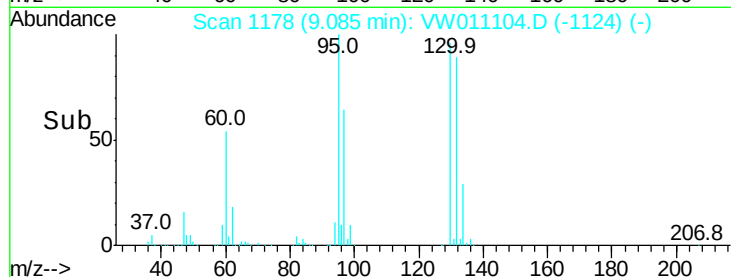
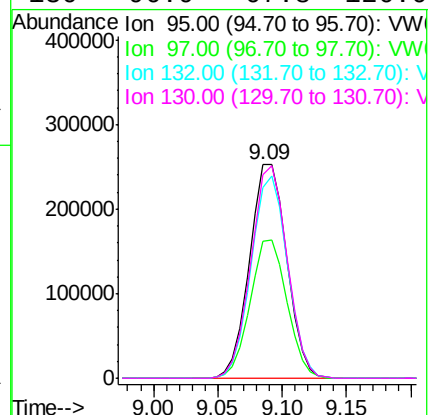
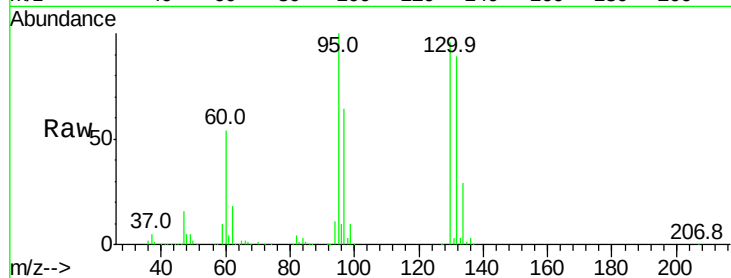
Ion Ratio Lower Upper

95 100

97 64.1 45.4 84.2

132 92.6 65.0 120.8

130 96.9 67.8 126.0



#36

Methylcyclohexane

Concen: 89.371 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

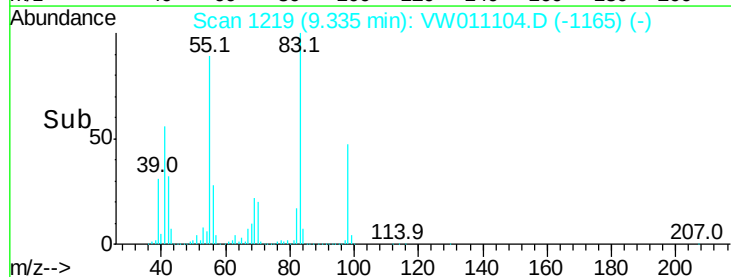
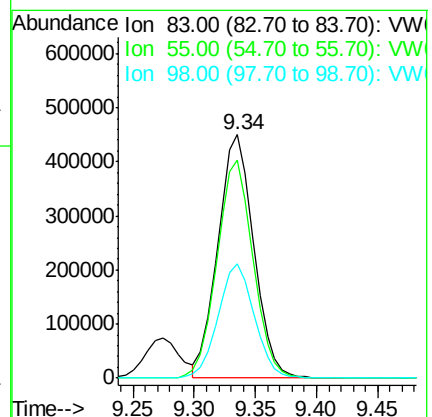
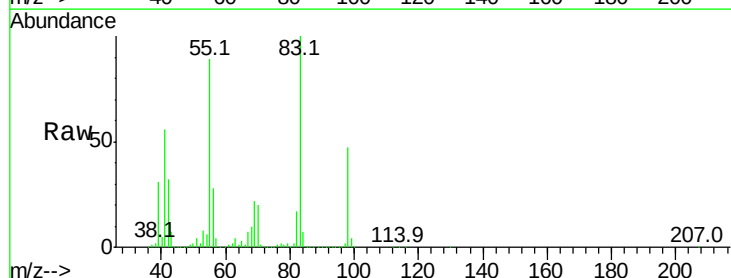
Tgt Ion: 83 Resp: 919291

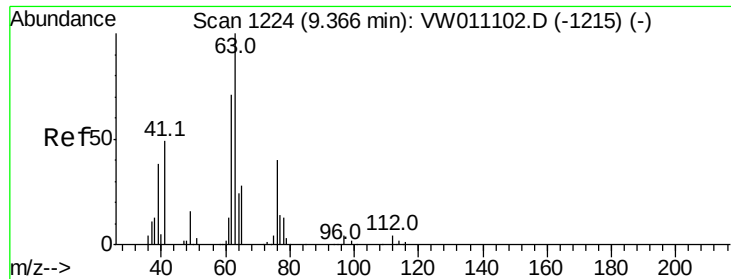
Ion Ratio Lower Upper

83 100

55 89.8 72.2 108.4

98 47.2 38.2 57.4

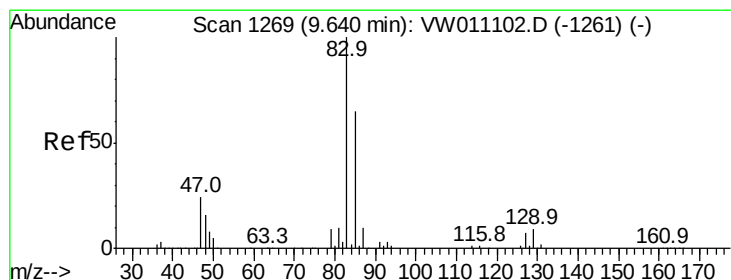
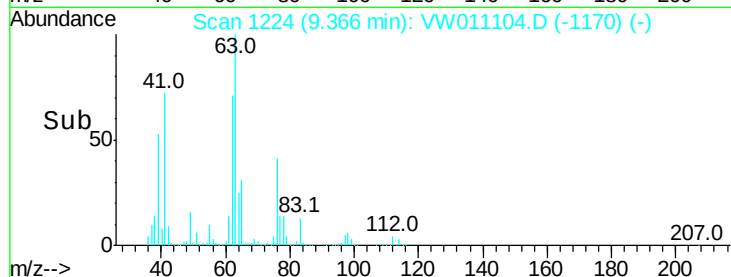
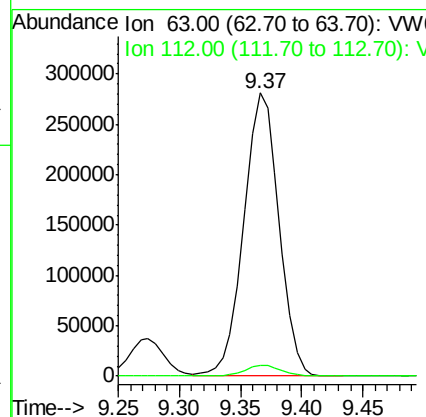
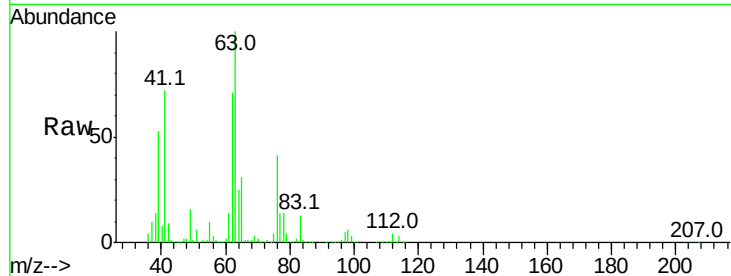




#40
 1,2-Dichloropropane
 Concen: 92.254 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011104.D
 Acq: 02 Jul 2019 11:14

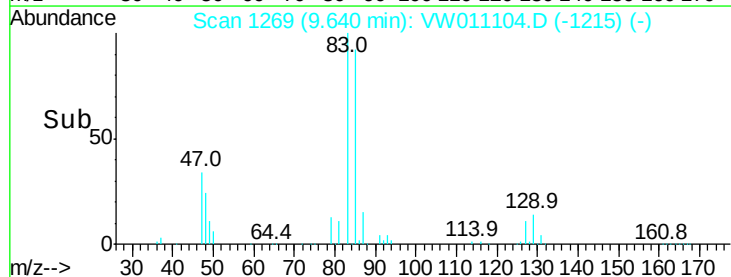
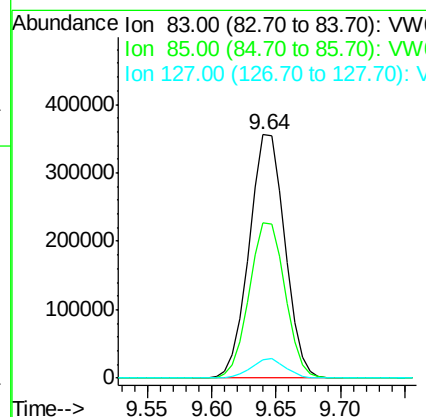
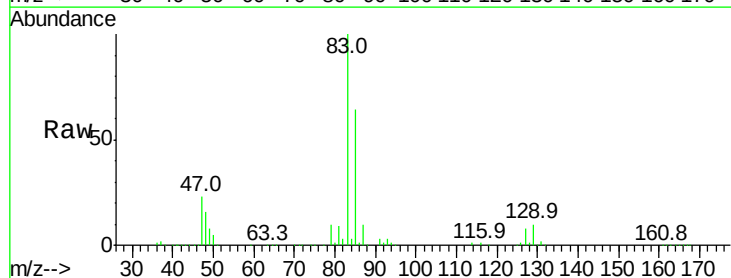
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10007

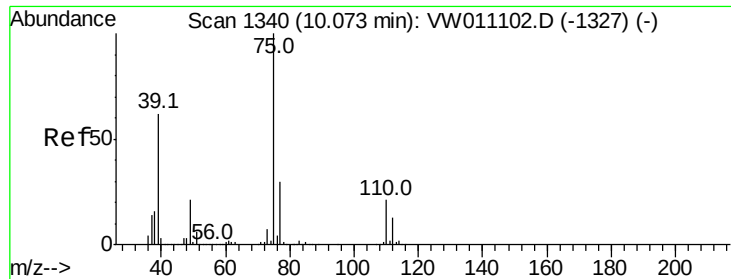
Tgt Ion: 63 Resp: 561130
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.6



#41
 Bromodichloromethane
 Concen: 95.439 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW011104.D
 Acq: 02 Jul 2019 11:14

Tgt Ion: 83 Resp: 681237
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.5 84.5
 127 7.7 5.8 8.8





#42

cis-1,3-Dichloropropene

Concen: 95.951 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampled :

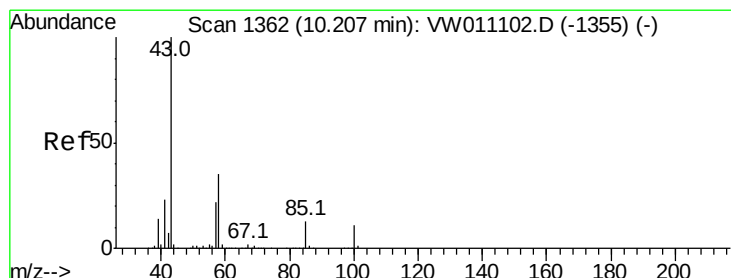
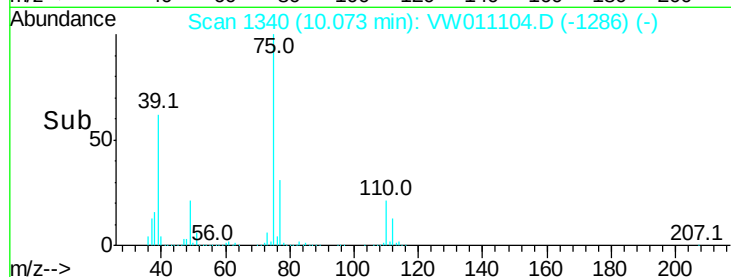
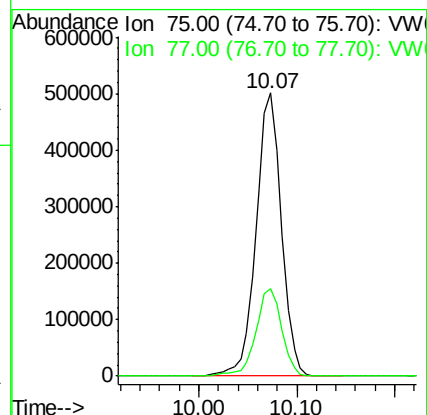
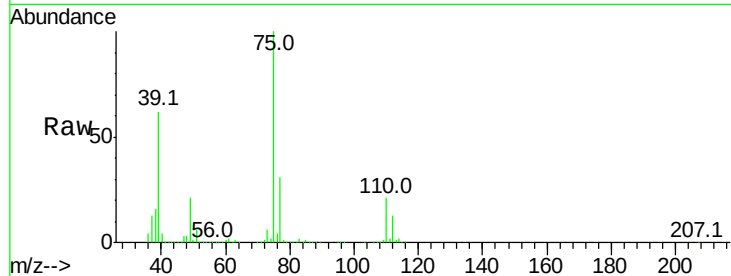
VSTD10007

Tgt Ion: 75 Resp: 897783

Ion Ratio Lower Upper

75 100

77 31.0 21.1 39.1



#43

4-Methyl-2-pentanone

Concen: 182.220 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

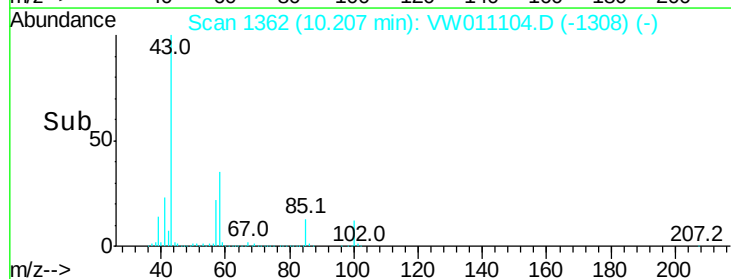
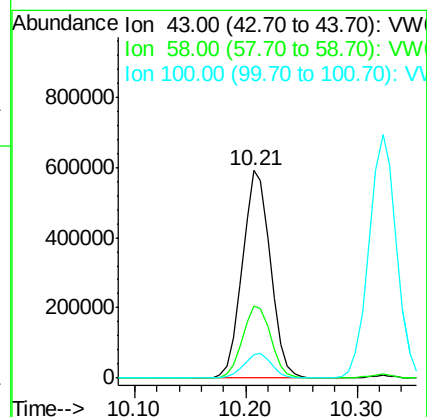
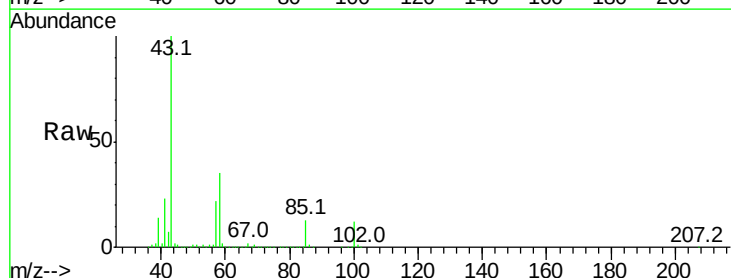
Tgt Ion: 43 Resp: 1028530

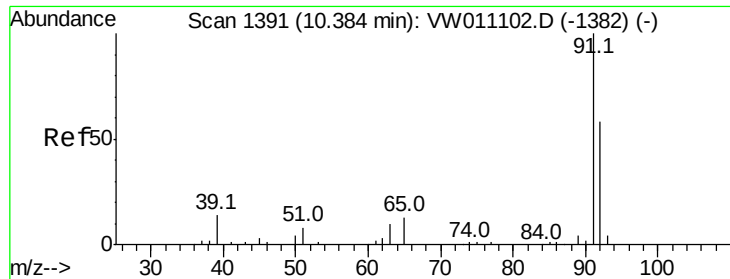
Ion Ratio Lower Upper

43 100

58 35.2 28.1 42.1

100 12.0 9.3 13.9





#44

Toluene

Concen: 91.597 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

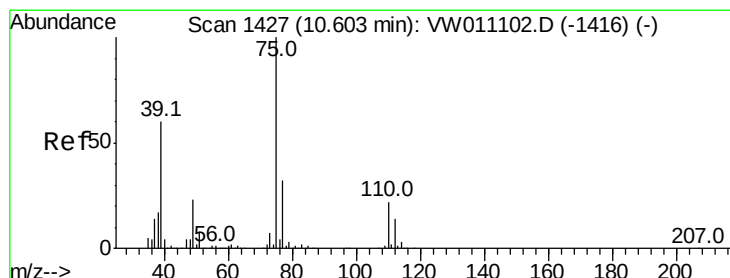
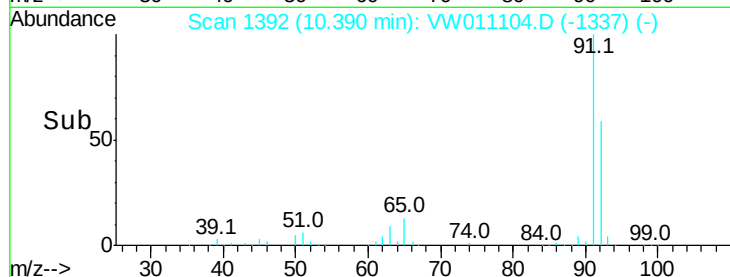
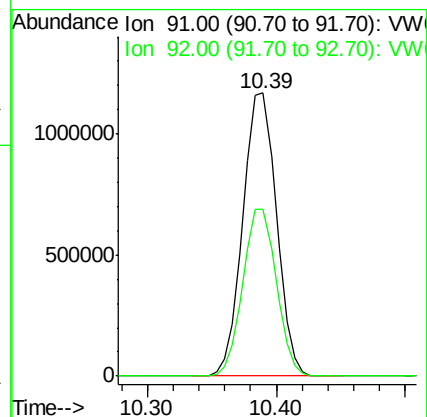
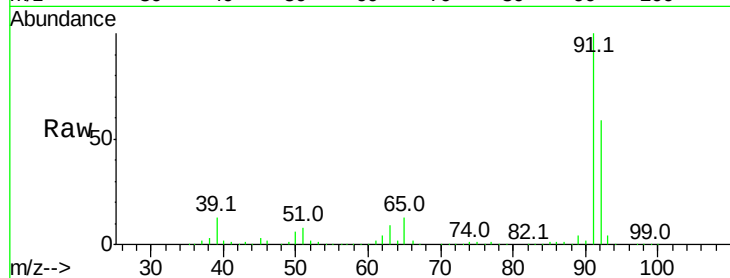
VSTD10007

Tgt Ion: 91 Resp: 2116571

Ion Ratio Lower Upper

91 100

92 58.8 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 96.393 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011104.D

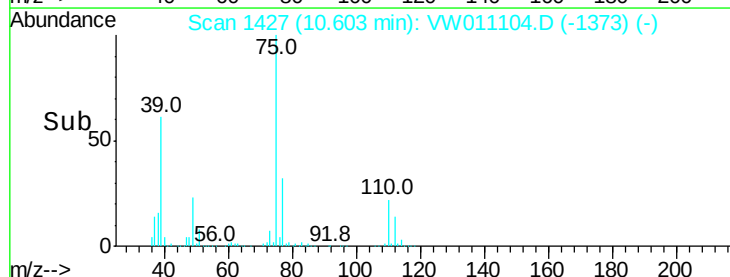
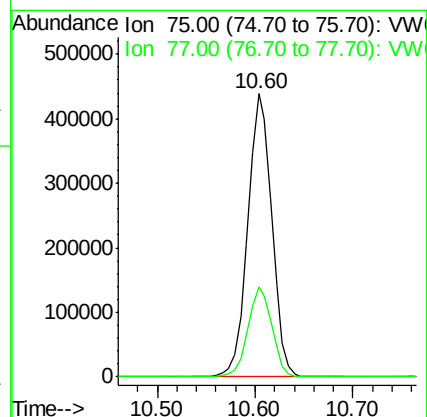
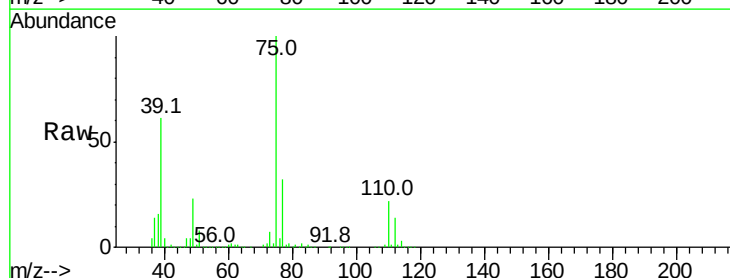
Acq: 02 Jul 2019 11:14

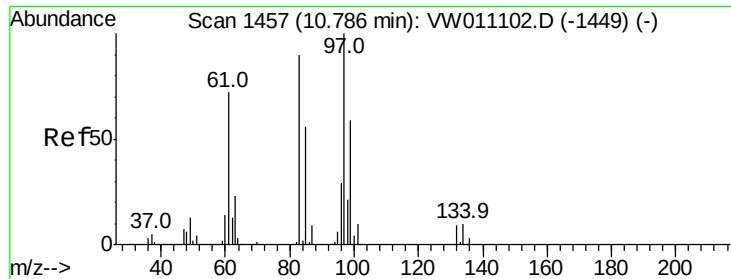
Tgt Ion: 75 Resp: 745562

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.5

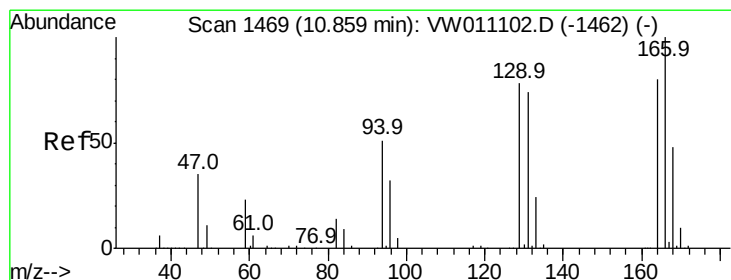
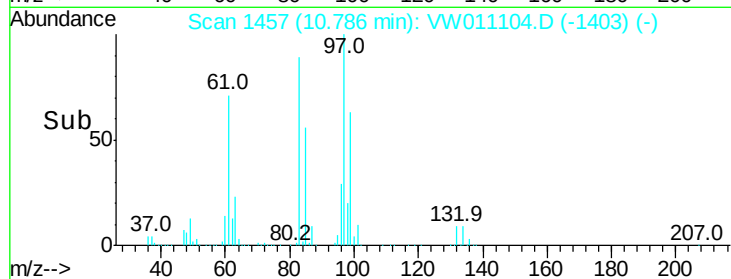
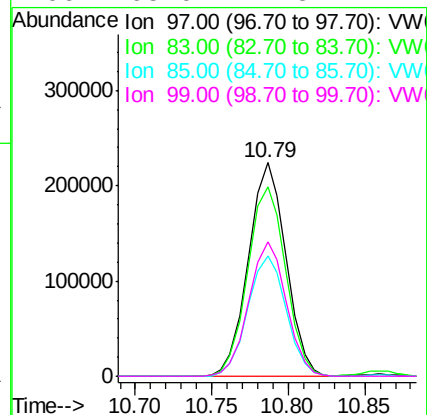
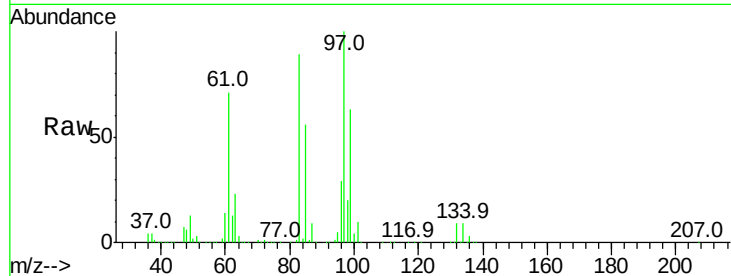




#46
 1,1,2-Trichloroethane
 Concen: 91.967 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011104.D
 Acq: 02 Jul 2019 11:14

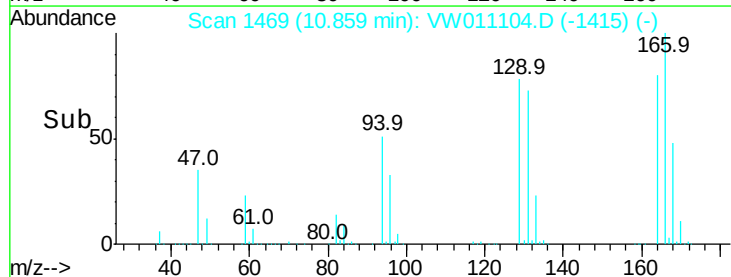
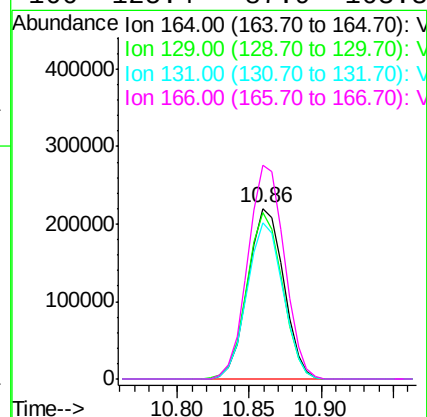
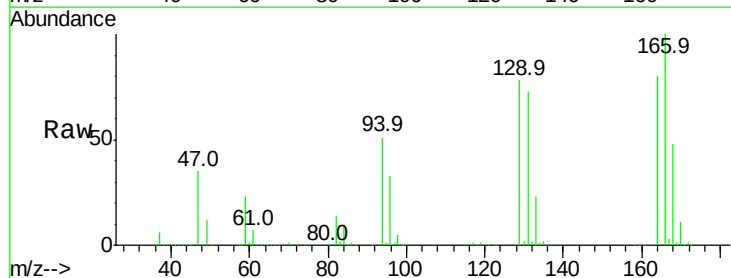
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10007

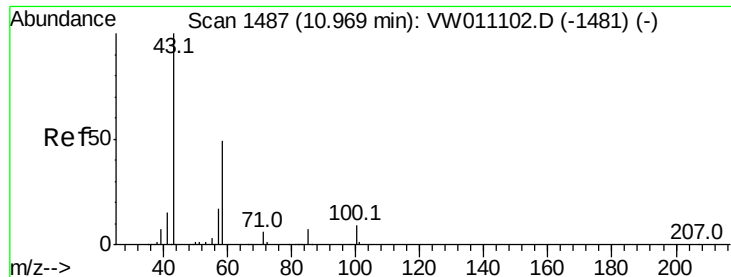
Tgt Ion:	97	Resp:	383362
Ion	Ratio	Lower	Upper
97	100		
83	88.7	63.1	117.3
85	56.2	39.0	72.4
99	63.0	41.5	77.1



#47
 Tetrachloroethene
 Concen: 89.572 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW011104.D
 Acq: 02 Jul 2019 11:14

Tgt Ion:	164	Resp:	380691
Ion	Ratio	Lower	Upper
164	100		
129	97.5	68.5	127.1
131	91.7	64.8	120.4
166	125.4	87.9	163.3





#49

2-Hexanone

Concen: 186.757 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10007

Tgt Ion: 43 Resp: 749951

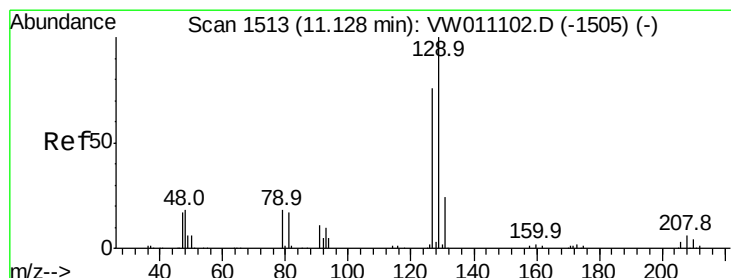
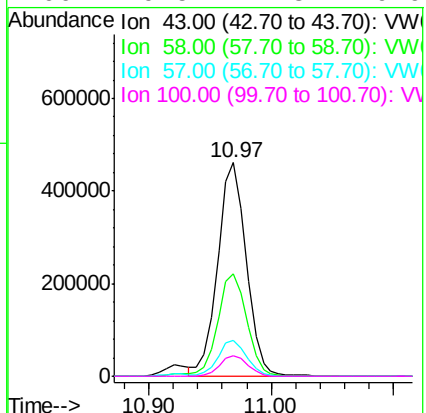
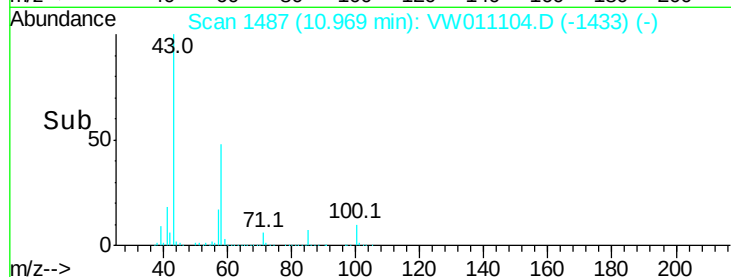
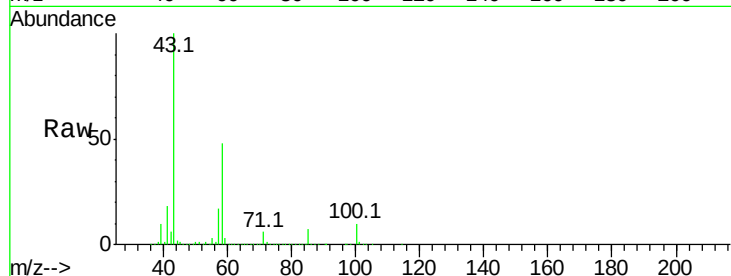
Ion Ratio Lower Upper

43 100

58 49.5 38.4 57.6

57 16.9 13.3 19.9

100 9.5 7.3 10.9



#50

Dibromochloromethane

Concen: 97.718 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011104.D

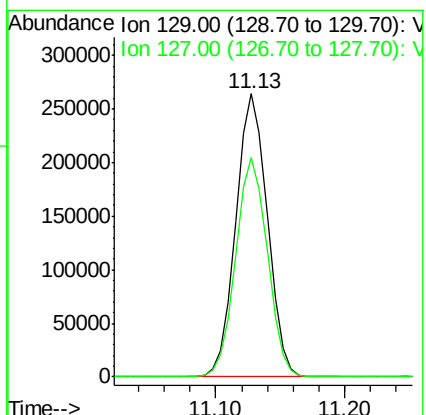
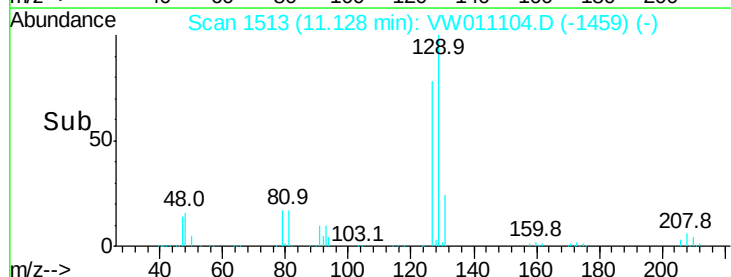
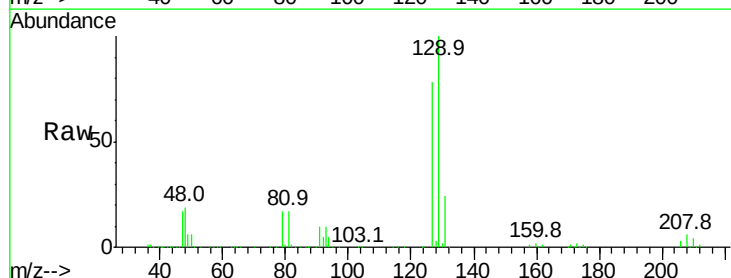
Acq: 02 Jul 2019 11:14

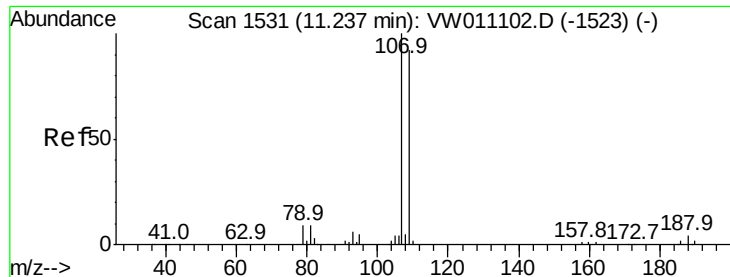
Tgt Ion: 129 Resp: 448516

Ion Ratio Lower Upper

129 100

127 77.6 53.3 99.1

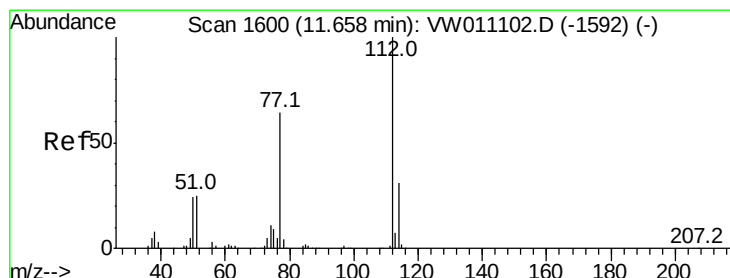
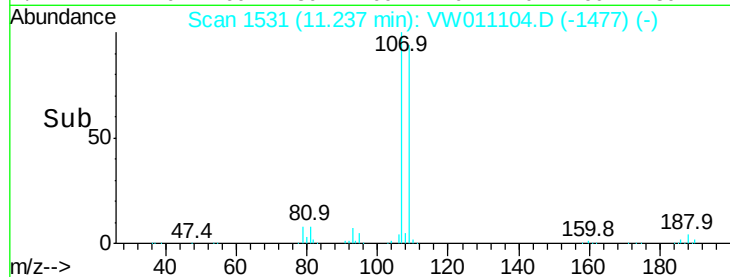
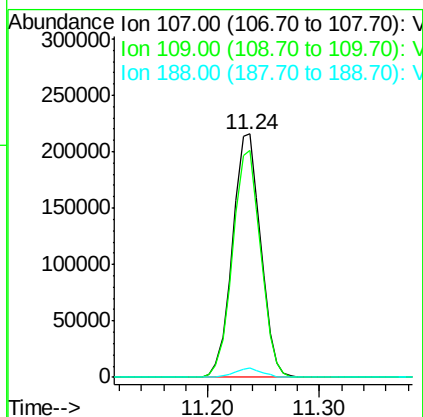
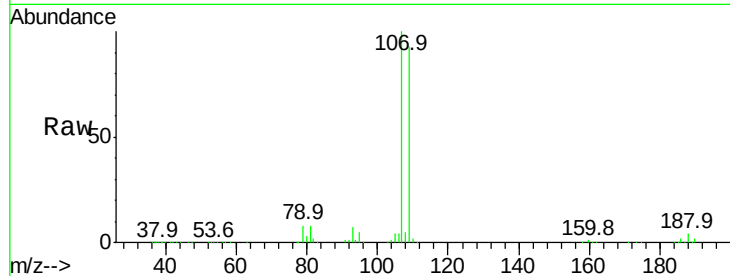




#51
1,2-Dibromoethane
Concen: 93.413 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW011104.D
Acq: 02 Jul 2019 11:14

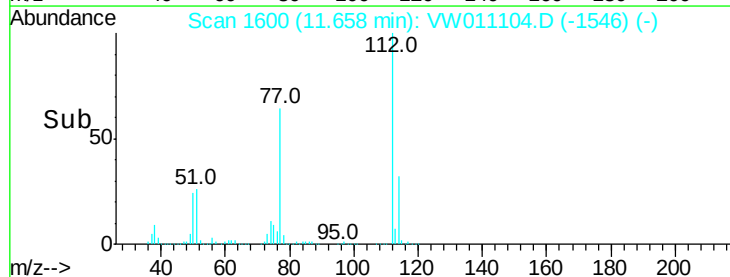
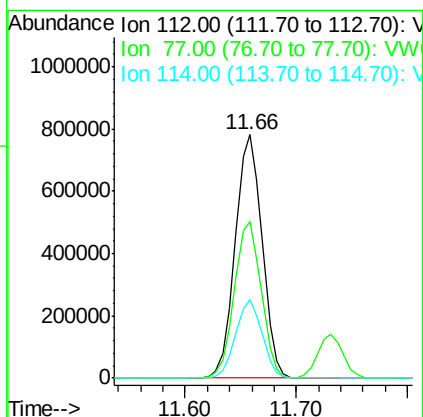
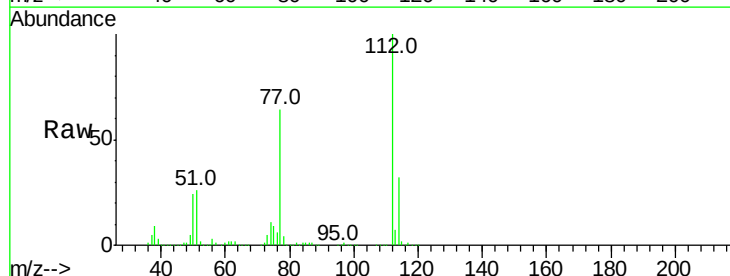
Instrument :
MSVOA_W
ClientSampleId :
VSTD10007

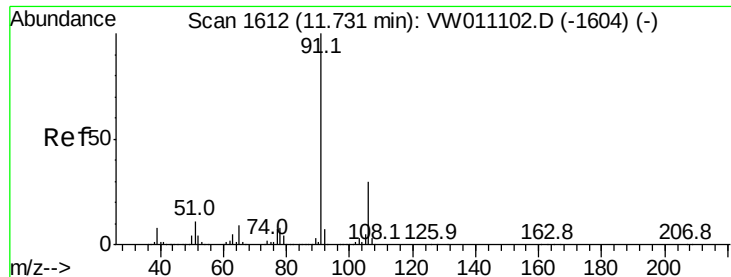
Tgt Ion:107 Resp: 376564
Ion Ratio Lower Upper
107 100
109 93.5 64.3 119.3
188 3.8 3.2 4.8



#52
Chlorobenzene
Concen: 93.597 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011104.D
Acq: 02 Jul 2019 11:14

Tgt Ion:112 Resp: 1301482
Ion Ratio Lower Upper
112 100
77 64.1 51.2 76.8
114 32.3 22.0 40.8





#53

Ethylbenzene

Concen: 92.978 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

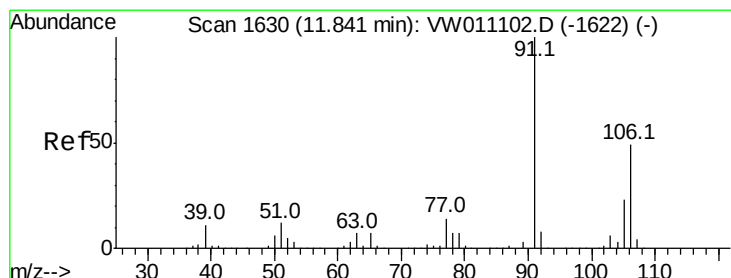
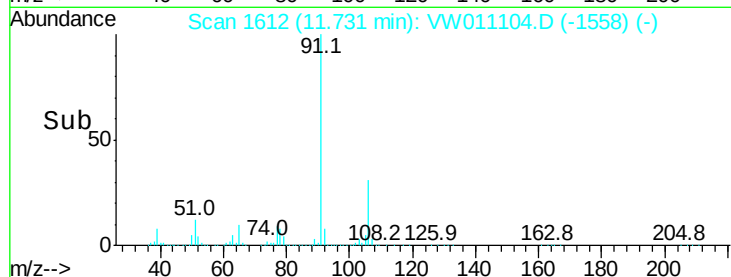
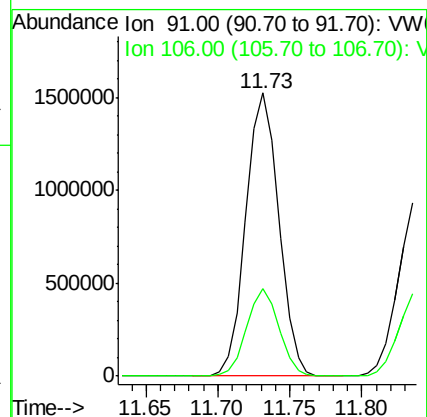
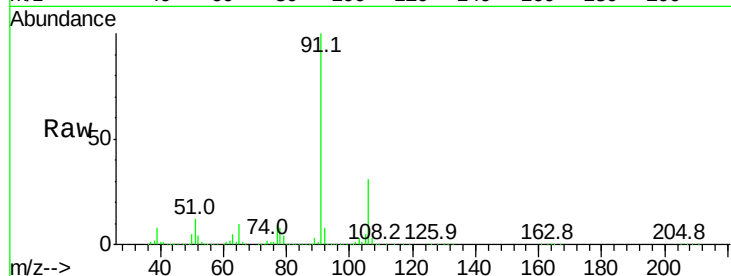
VSTD10007

Tgt Ion: 91 Resp: 2420536

Ion Ratio Lower Upper

91 100

106 30.9 20.6 38.4



#54

m,p-Xylene

Concen: 93.411 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011104.D

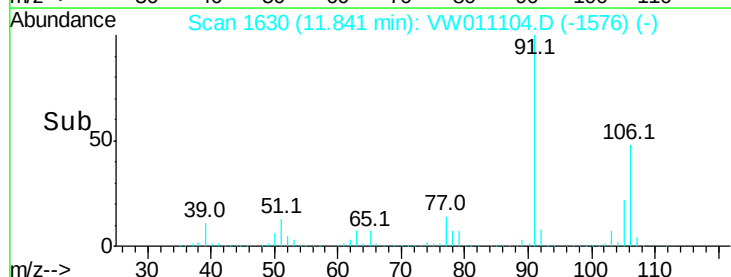
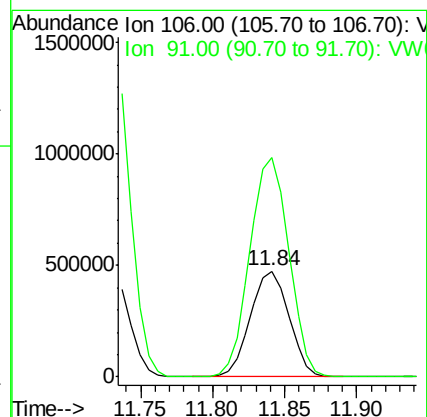
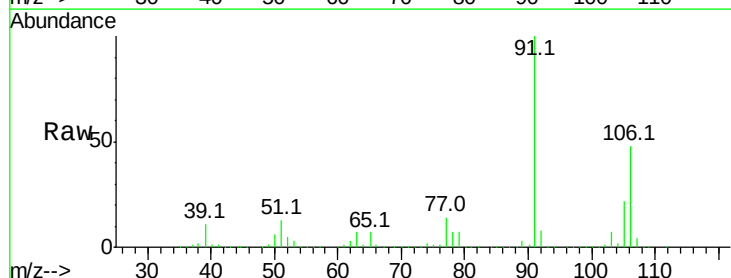
Acq: 02 Jul 2019 11:14

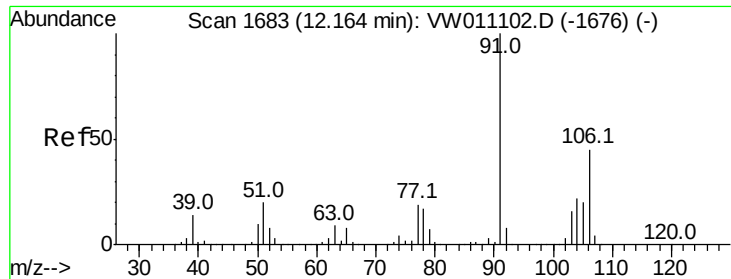
Tgt Ion: 106 Resp: 882448

Ion Ratio Lower Upper

106 100

91 207.1 142.6 264.8

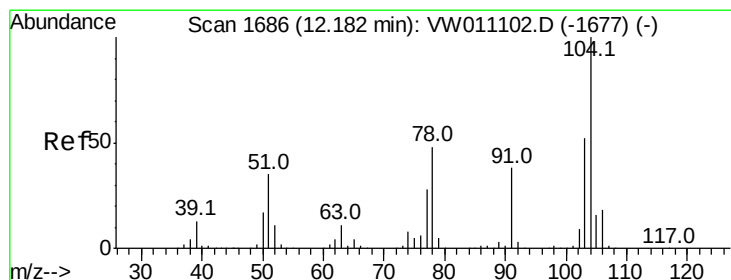
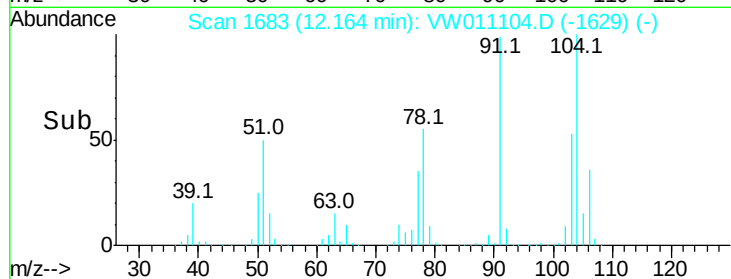
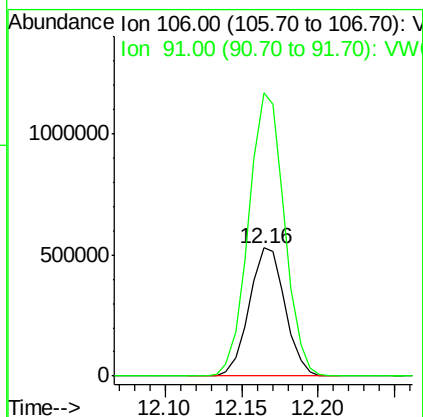
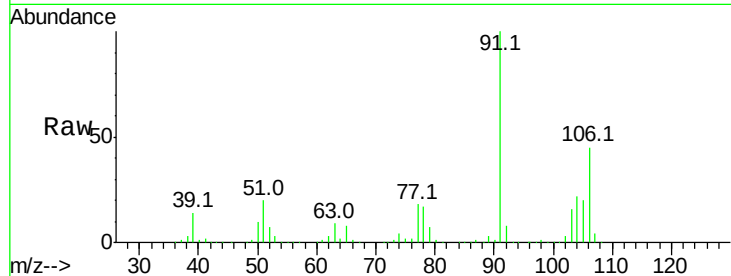




#55
o-xylene
Concen: 95.065 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011104.D
Acq: 02 Jul 2019 11:14

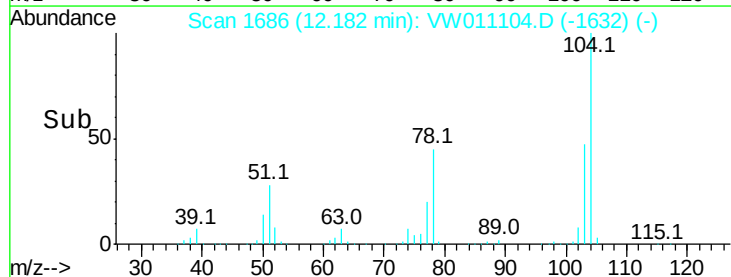
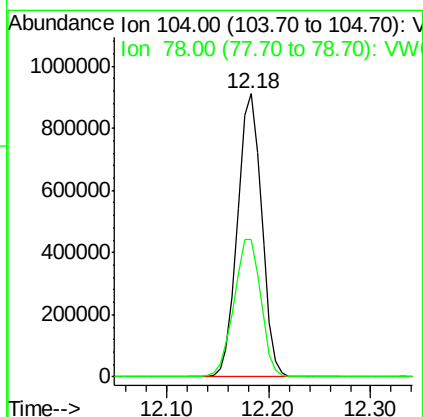
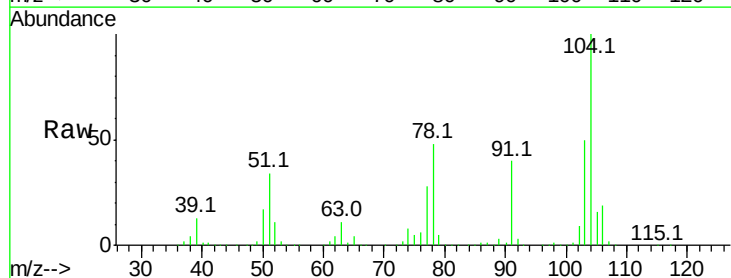
Instrument :
MSVOA_W
ClientSampled :
VSTD10007

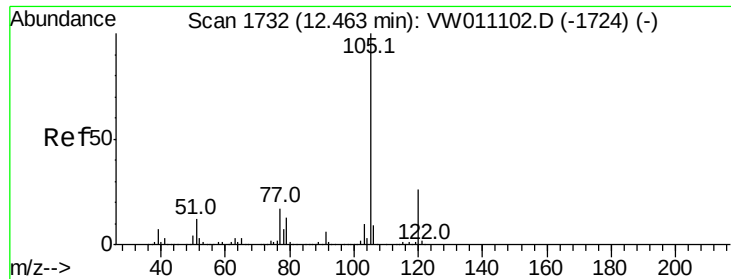
Tgt Ion:106 Resp: 861767
Ion Ratio Lower Upper
106 100
91 220.9 154.6 287.2



#56
Styrene
Concen: 95.260 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011104.D
Acq: 02 Jul 2019 11:14

Tgt Ion:104 Resp: 1489124
Ion Ratio Lower Upper
104 100
78 48.4 33.7 62.7





#57

Isopropylbenzene

Concen: 94.188 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10007

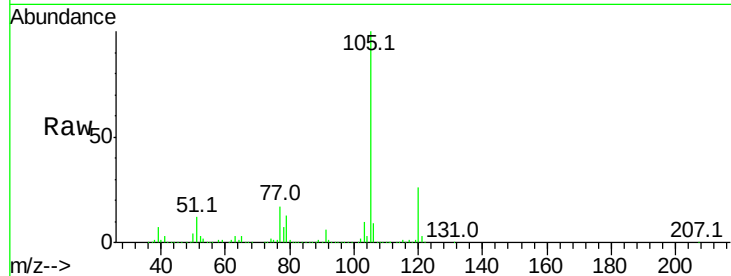
Tgt Ion:105 Resp: 2316411

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

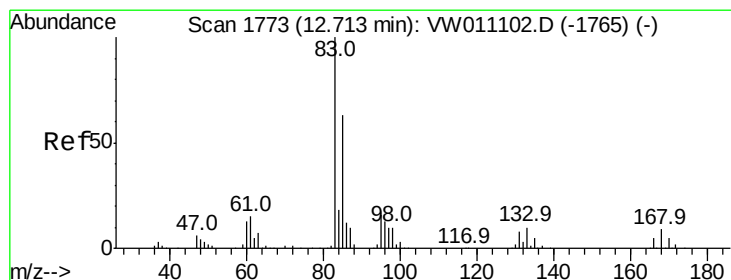
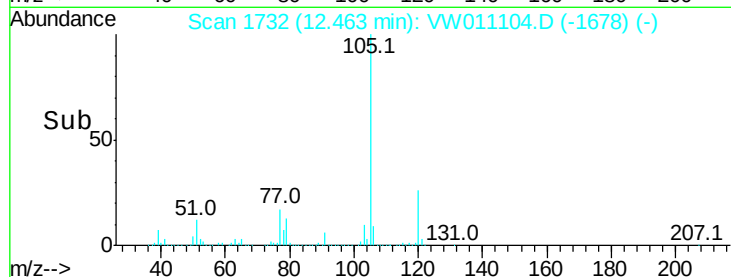
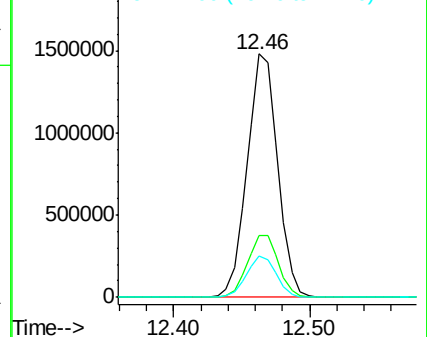
77 16.8 13.5 20.3



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: 94.078 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

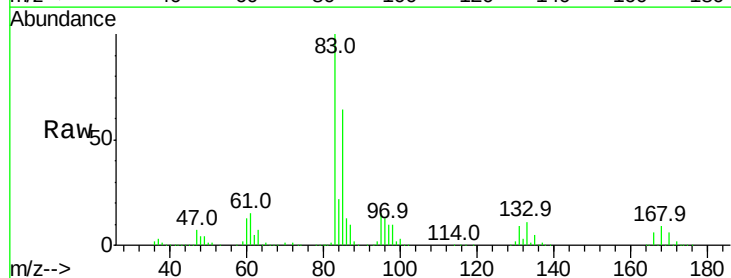
Tgt Ion: 83 Resp: 512769

Ion Ratio Lower Upper

83 100

85 64.2 44.0 81.6

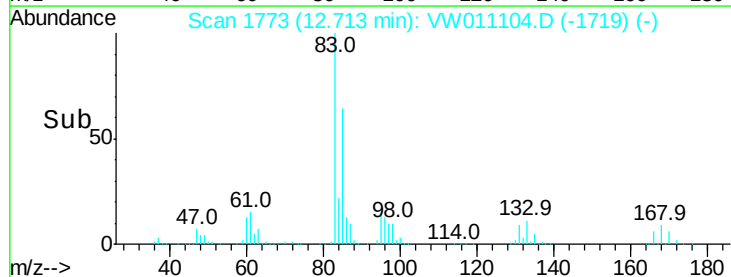
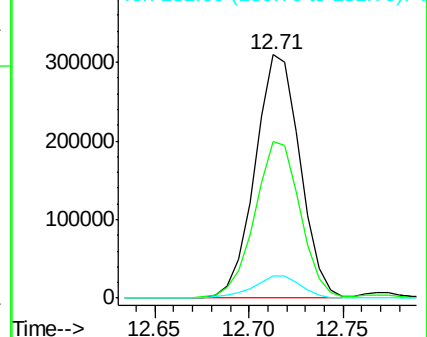
131 9.1 6.7 10.1

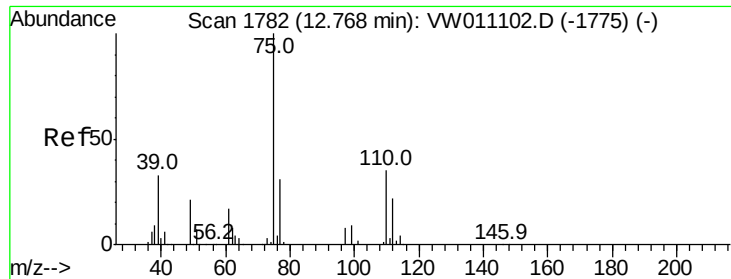


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 91.196 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

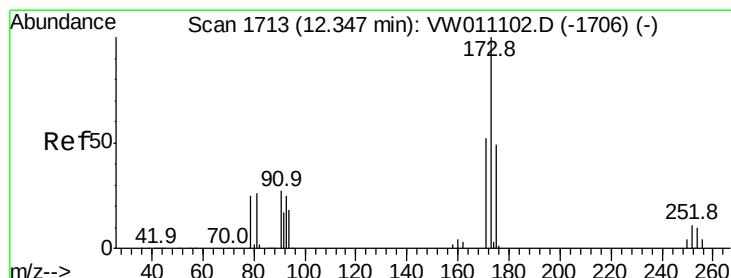
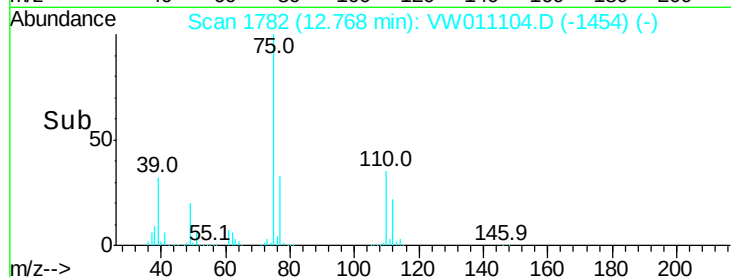
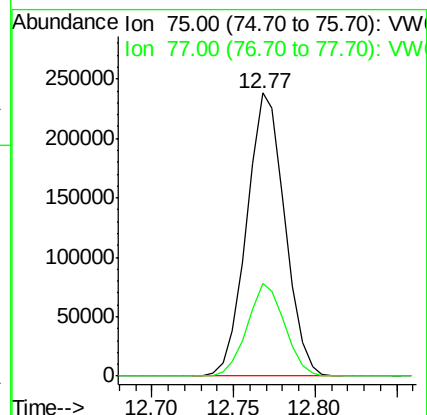
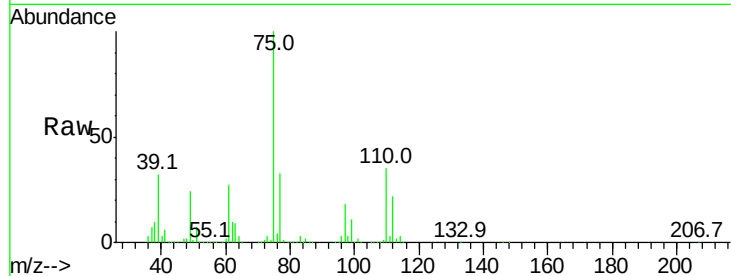
VSTD10007

Tgt Ion: 75 Resp: 385935

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0



#62

Bromoform

Concen: 99.635 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

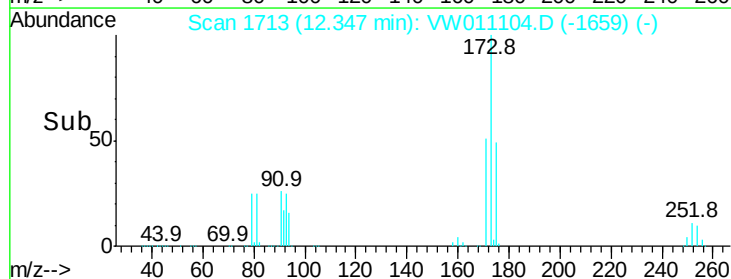
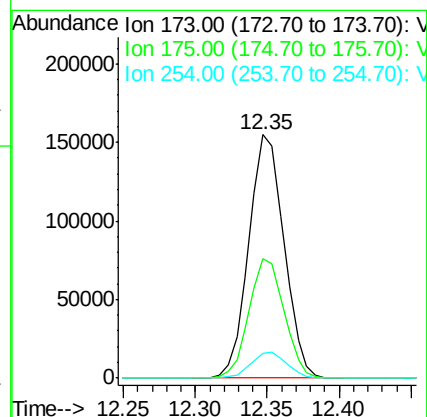
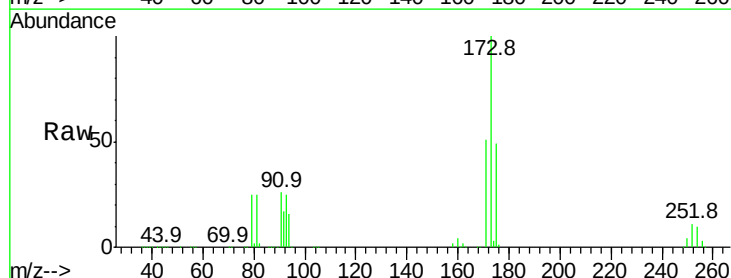
Tgt Ion: 173 Resp: 262123

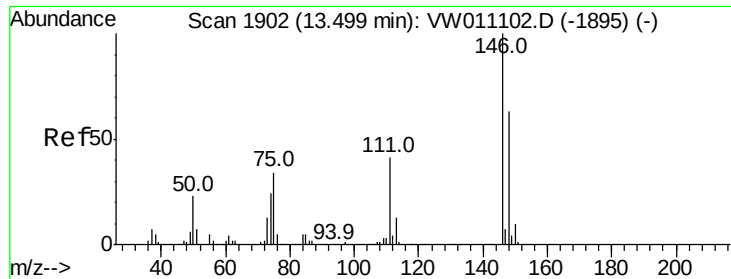
Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.6

254 10.7 8.5 12.7

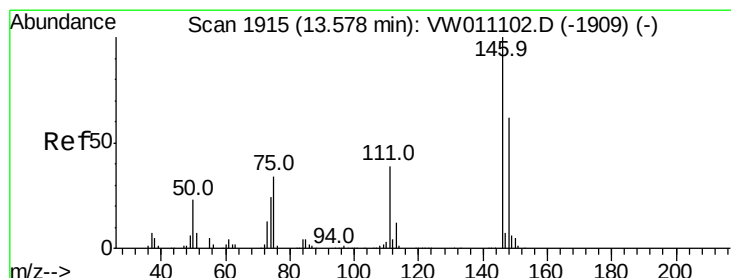
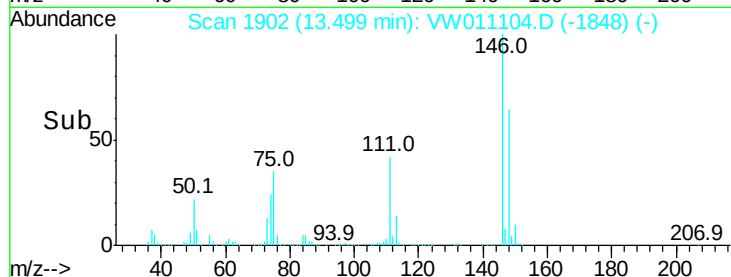
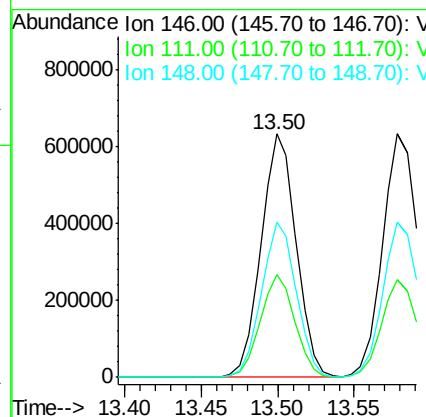
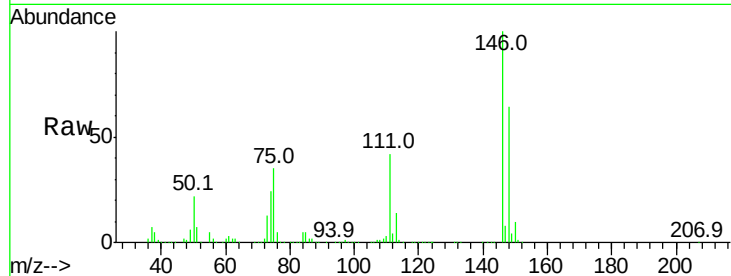




#63
 1,3-Dichlorobenzene
 Concen: 94.209 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011104.D
 Acq: 02 Jul 2019 11:14

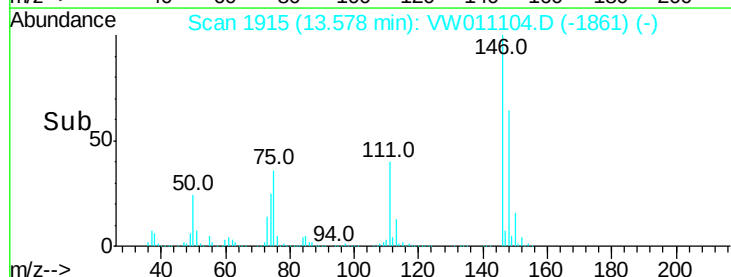
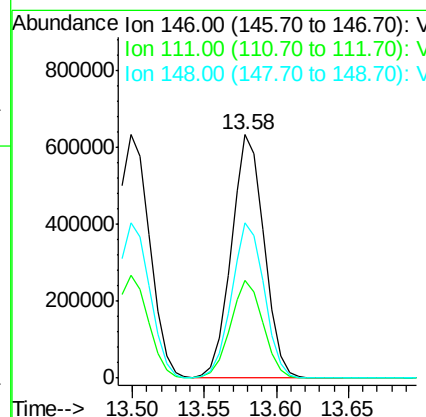
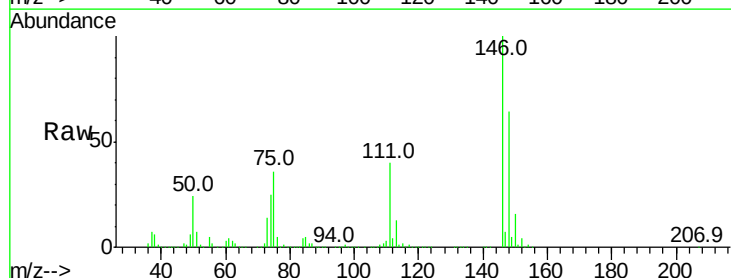
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10007

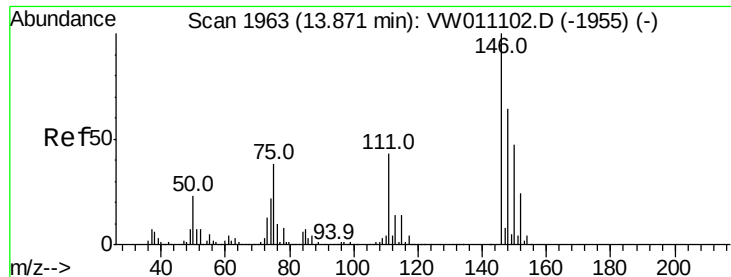
Tgt Ion:146 Resp: 1008110
 Ion Ratio Lower Upper
 146 100
 111 42.2 29.0 53.8
 148 63.6 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 93.682 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011104.D
 Acq: 02 Jul 2019 11:14

Tgt Ion:146 Resp: 1006996
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.5 51.1
 148 63.7 43.8 81.3

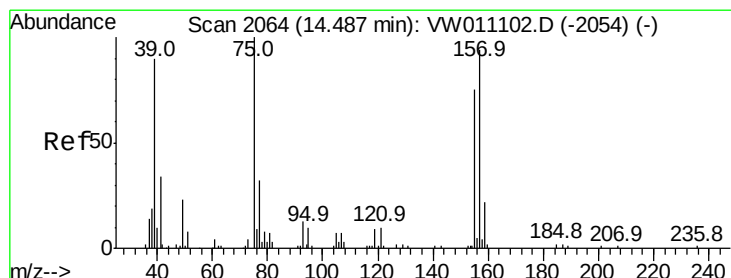
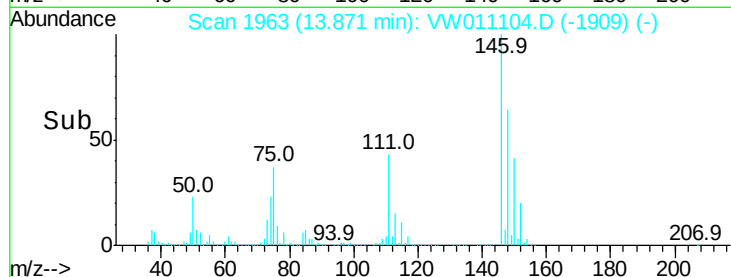
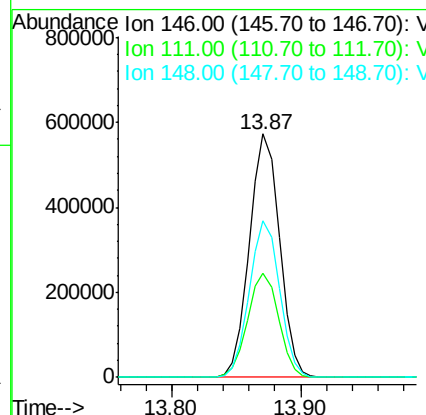
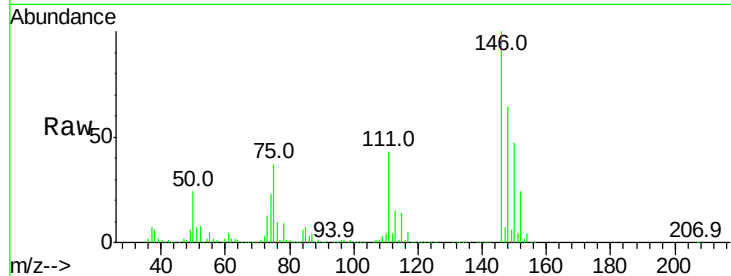




#65
 1,2-Dichlorobenzene
 Concen: 93.305 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011104.D
 Acq: 02 Jul 2019 11:14

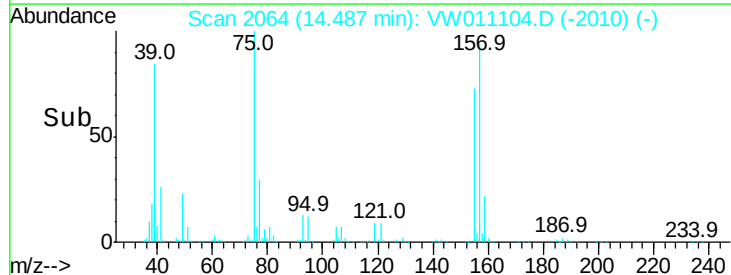
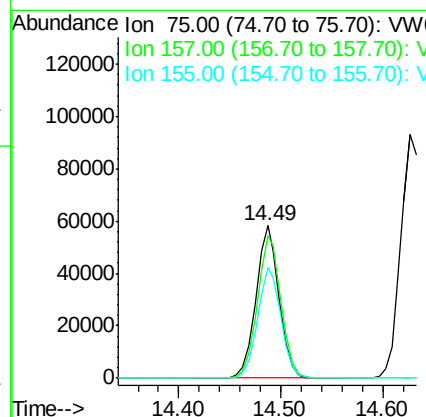
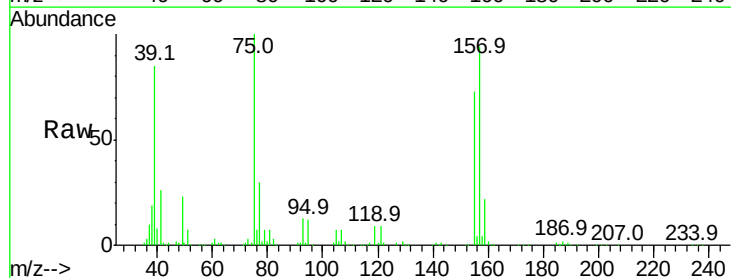
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10007

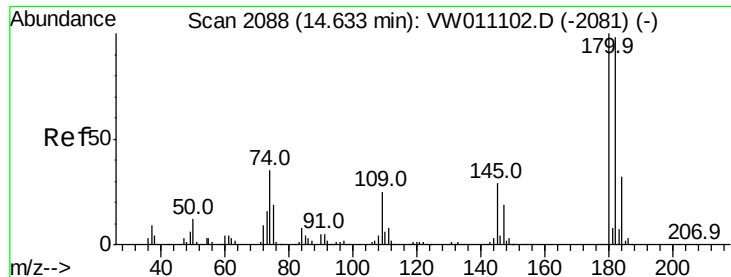
Tgt Ion:146 Resp: 923452
 Ion Ratio Lower Upper
 146 100
 111 42.9 34.1 51.1
 148 64.4 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 90.266 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011104.D
 Acq: 02 Jul 2019 11:14

Tgt Ion: 75 Resp: 91412
 Ion Ratio Lower Upper
 75 100
 157 93.5 75.3 112.9
 155 72.6 60.2 90.2

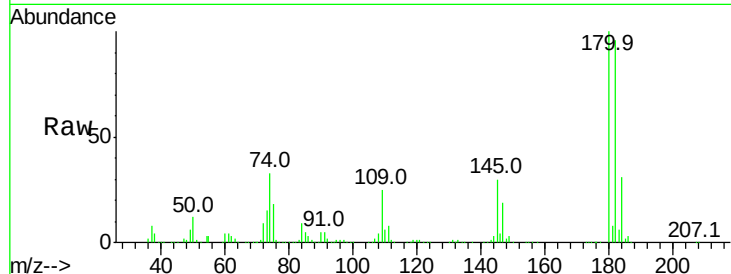




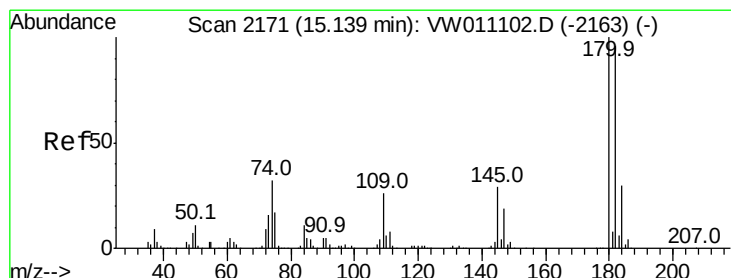
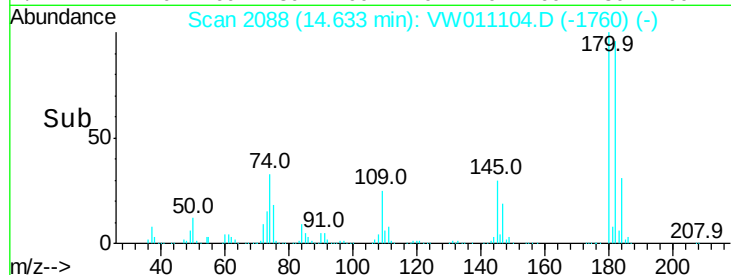
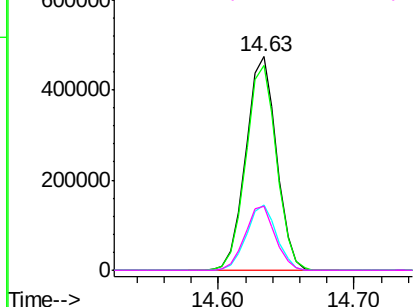
#67
 1,3,5-Trichlorobenzene
 Concen: 91.794 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW011104.D
 Acq: 02 Jul 2019 11:14

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD10007

Tgt Ion:180 Resp: 747642
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.0 115.4
 184 30.1 24.3 36.5
 145 29.7 24.2 36.2

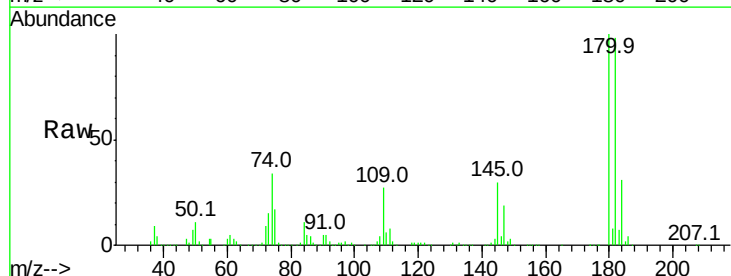


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

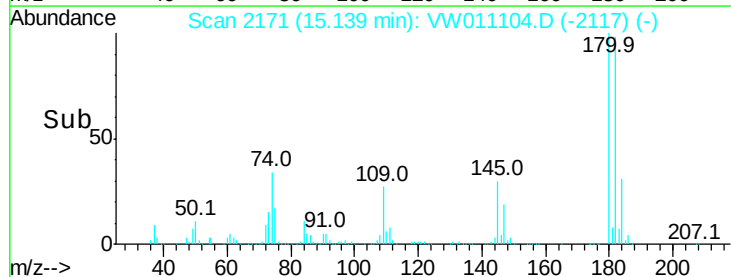
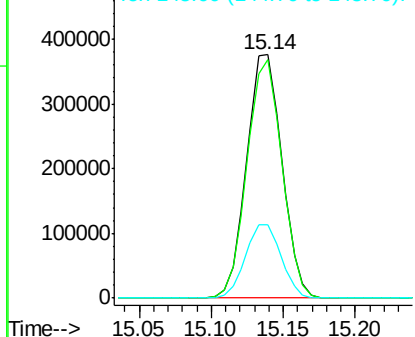


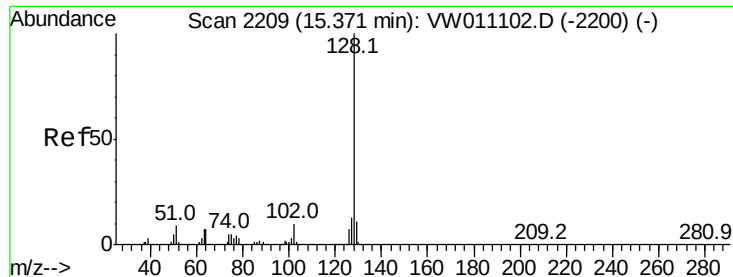
#68
 1,2,4-trichlorobenzene
 Concen: 92.624 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW011104.D
 Acq: 02 Jul 2019 11:14

Tgt Ion:180 Resp: 639373
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.0 115.6
 145 30.5 24.5 36.7



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: 96.299 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD10007

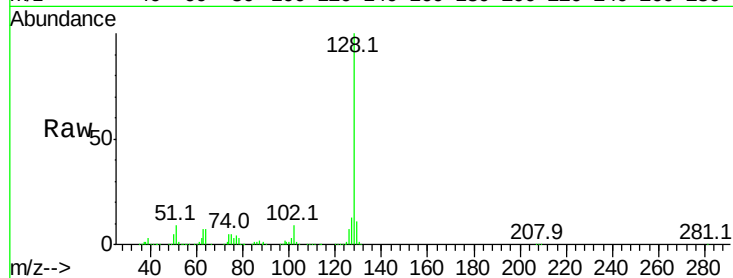
Tgt Ion:128 Resp: 1418511

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

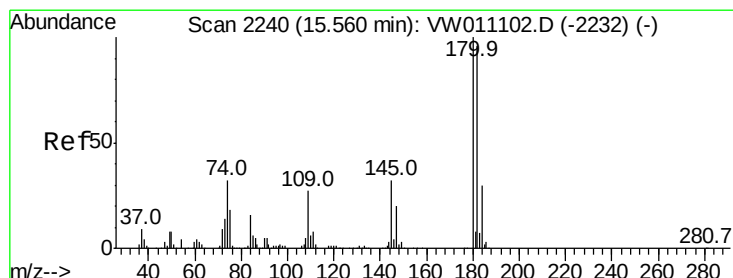
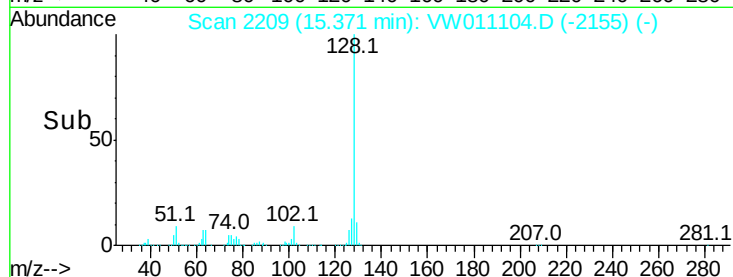
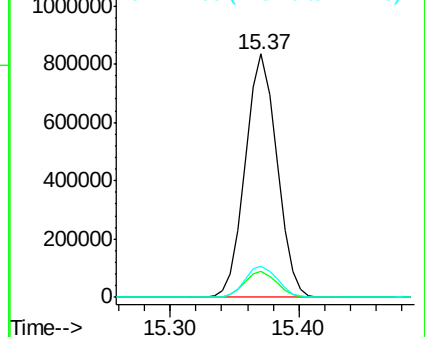
127 13.2 10.6 15.8



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: 93.187 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011104.D

Acq: 02 Jul 2019 11:14

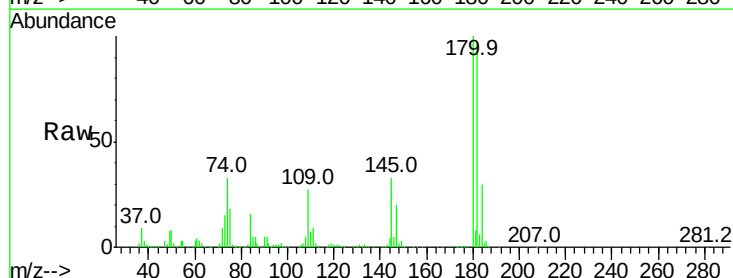
Tgt Ion:180 Resp: 584298

Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 32.2 25.5 38.3



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

