

Data File : VW008755.D
Acq On : 20 Feb 2019 12:31
Operator : SY/VA
Sample : VSTD05084
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

Quant Time: Feb 20 12:57:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 20 11:29:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	471684	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	462438	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	249888	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	311903	67.10	ug/L	-0.01
7) Chloroethane-d5	2.88	69	291234	92.99	ug/L	-0.01
10) 1,1-Dichloroethene-d2	4.02	63	529974	42.11	ug/L	0.00
20) 2-Butanone-d5	7.09	46	169165	85.33	ug/L	0.00
24) Chloroform-d	7.65	84	500319	39.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	282157	37.50	ug/L	0.00
29) Benzene-d6	8.27	84	1017557	39.23	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	291736	41.35	ug/L	0.00
37) Toluene-d8	10.32	98	1028713	40.71	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	147087	36.32	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	148659	82.38	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	273198	40.24	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	401936	39.82	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	412986	79.443 ug/L	94
3) Chloromethane	2.21	50	450505	109.963 ug/L	98
5) Vinyl chloride	2.35	62	450144	88.328 ug/L	98
6) Bromomethane	2.77	94	334912	110.770 ug/L	99
8) Chloroethane	2.92	64	300096	118.516 ug/L	96
9) Trichlorofluoromethane	3.26	101	525793	119.476 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	304776	51.185 ug/L	99
12) 1,1-Dichloroethene	4.04	96	270281	49.570 ug/L	93
13) Acetone	4.14	43	159119	82.152 ug/L	99
14) Carbon disulfide	4.38	76	995533	57.645 ug/L	99
15) Methyl Acetate	4.68	43	155691	52.824 ug/L	96
16) Methylene chloride	4.92	84	311080	40.758 ug/L	86
17) Methyl tert-butyl Ether	5.43	73	729739	75.298 ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	300331	50.779 ug/L	94
19) 1,1-Dichloroethane	6.22	63	506403	51.465 ug/L	97
21) 2-Butanone	7.17	43	232354	105.428 ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	317571	50.108 ug/L	94
23) Bromochloromethane	7.51	128	143436	50.267 ug/L #	89
25) Chloroform	7.68	83	528272	47.670 ug/L	100
27) 1,2-Dichloroethane	8.40	62	370341	45.564 ug/L #	93
30) Cyclohexane	7.95	56	523210	51.428 ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	492124	44.387 ug/L	97
32) Carbon tetrachloride	8.07	117	451843	42.449 ug/L	98
34) Benzene	8.32	78	1199482	48.473 ug/L	100
35) Trichloroethene	9.09	95	319270	44.408 ug/L	97
36) Methylcyclohexane	9.34	83	570918	46.308 ug/L	96
40) 1,2-Dichloropropane	9.37	63	291048	50.035 ug/L	100
41) Bromodichloromethane	9.65	83	389918	45.579 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	478521	47.127 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	467016	101.439 ug/L	96

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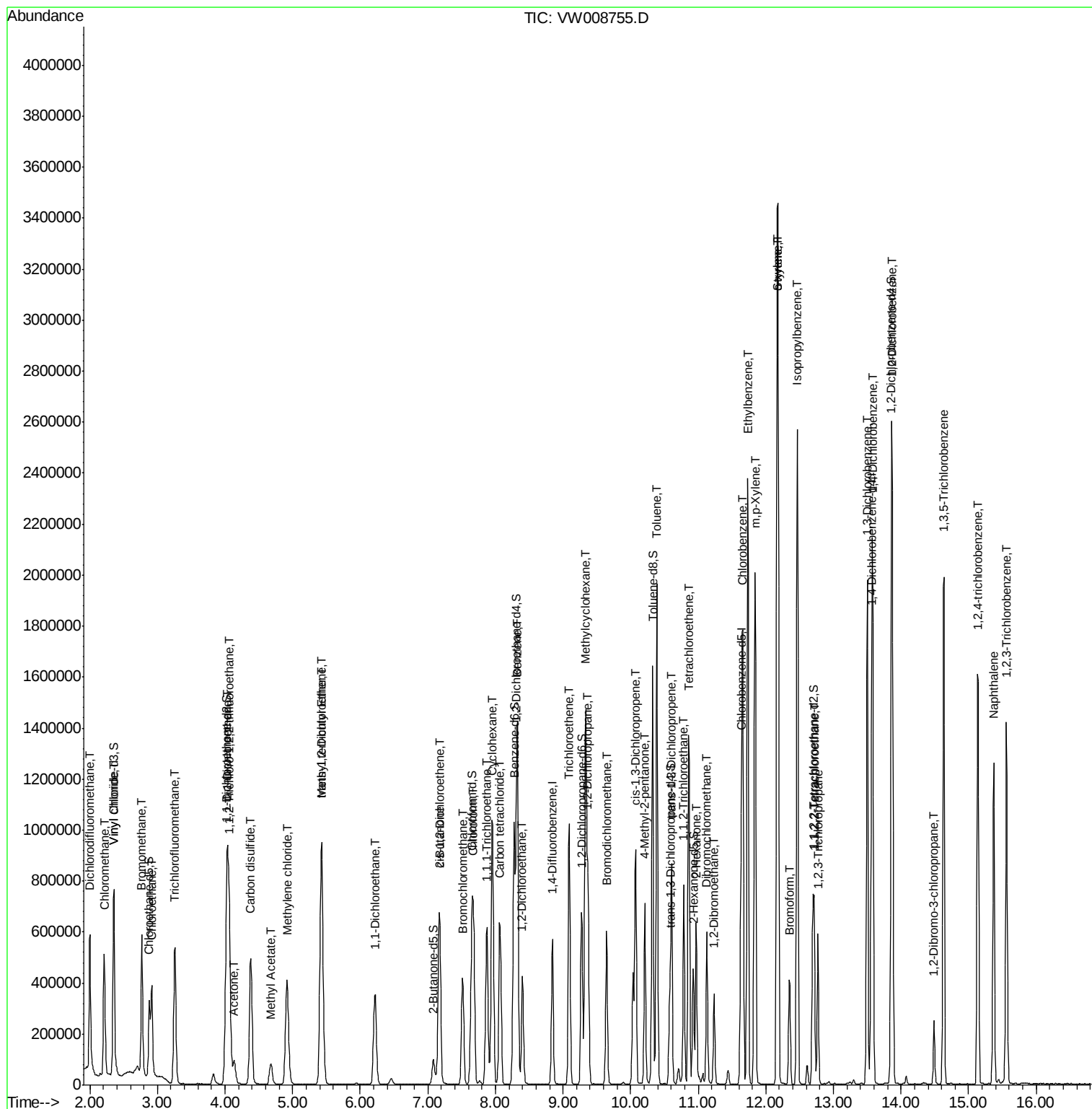
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1370293	49.494	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	424343	45.354	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	227166	46.161	ug/L	97
47) Tetrachloroethene	10.86	164	296904	51.977	ug/L	94
49) 2-Hexanone	10.97	43	389773	117.346	ug/L #	91
50) Dibromochloromethane	11.13	129	293001	46.733	ug/L	97
51) 1,2-Dibromoethane	11.23	107	229509	45.694	ug/L	96
52) Chlorobenzene	11.66	112	893871	49.597	ug/L	97
53) Ethylbenzene	11.73	91	1606125	50.492	ug/L	99
54) m,p-Xylene	11.84	106	621406	51.852	ug/L	95
55) o-xylene	12.16	106	597081	52.532	ug/L	95
56) Styrene	12.18	104	1029803	53.456	ug/L	95
57) Isopropylbenzene	12.46	105	1616059	50.194	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	296035	48.516	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	219218	44.665	ug/L	100
62) Bromoform	12.35	173	180607	45.846	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	762403	47.723	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	767522	48.312	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	698072	48.134	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	55896	39.093	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	601702	51.423	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	517179	51.492	ug/L	96
69) Naphthalene	15.37	128	1035681	45.553	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	463369	52.114	ug/L	97

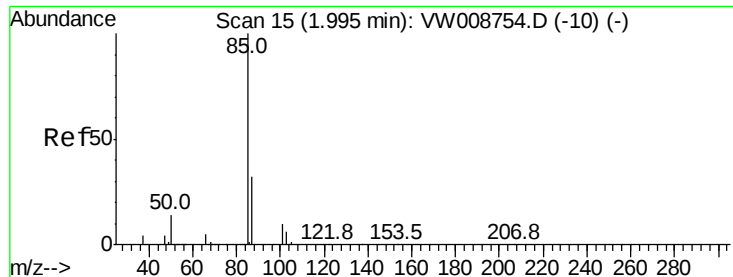
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 79.443 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

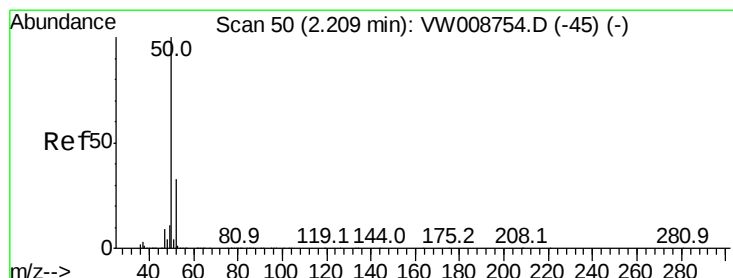
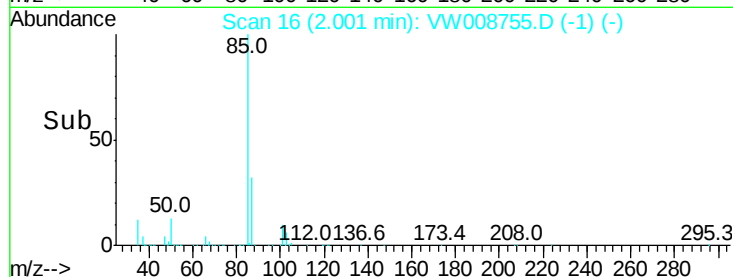
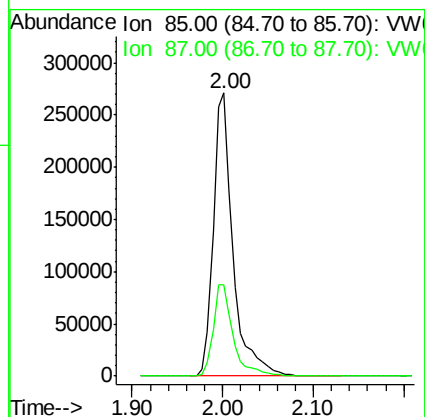
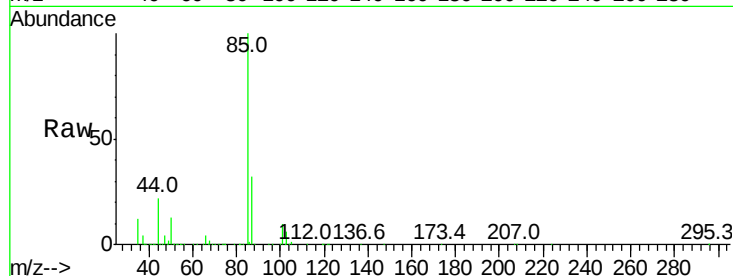
VSTD05004

Tgt Ion: 85 Resp: 412986

Ion Ratio Lower Upper

85 100

87 32.9 20.6 38.4



#3

Chloromethane

Concen: 109.963 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008755.D

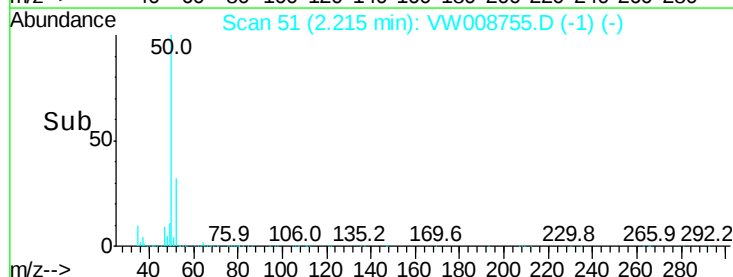
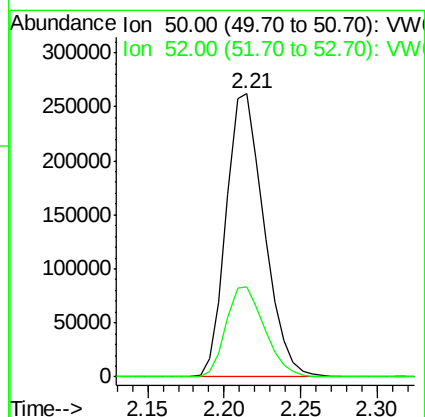
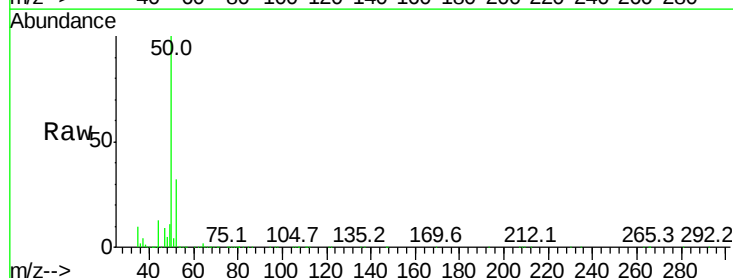
Acq: 20 Feb 2019 12:31

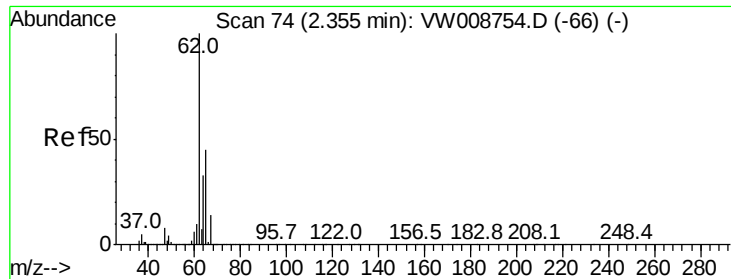
Tgt Ion: 50 Resp: 450505

Ion Ratio Lower Upper

50 100

52 31.9 21.4 39.8





#5

Vinyl chloride

Concen: 88.328 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

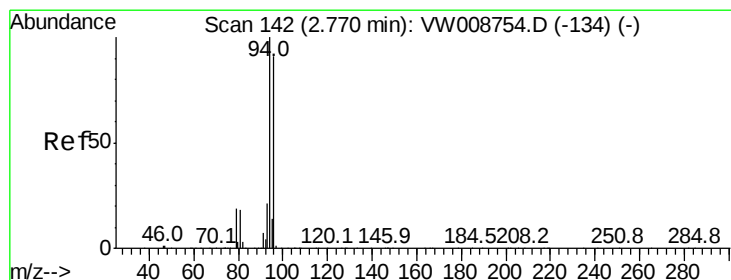
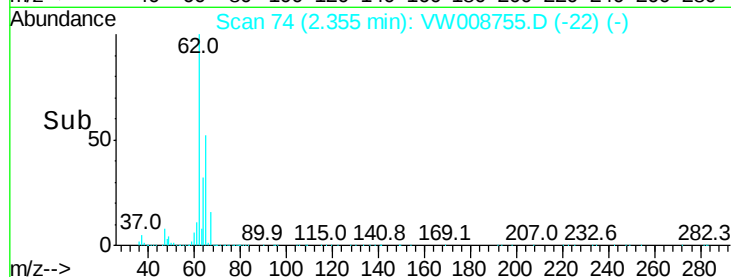
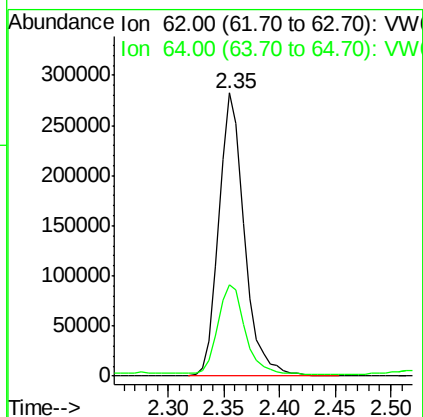
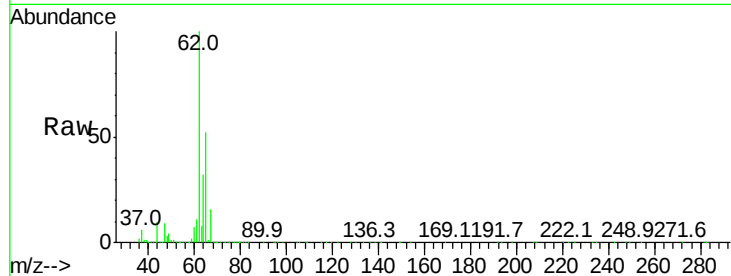
VSTD05004

Tgt Ion: 62 Resp: 450144

Ion Ratio Lower Upper

62 100

64 32.4 22.0 41.0



#6

Bromomethane

Concen: 110.770 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008755.D

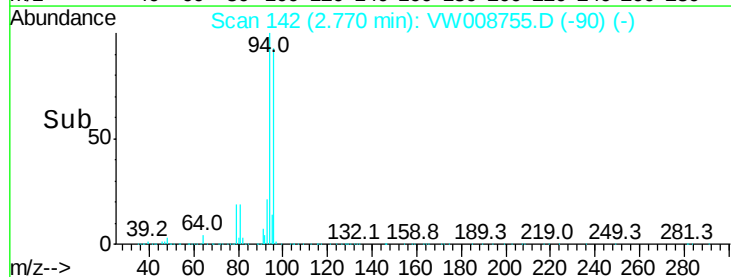
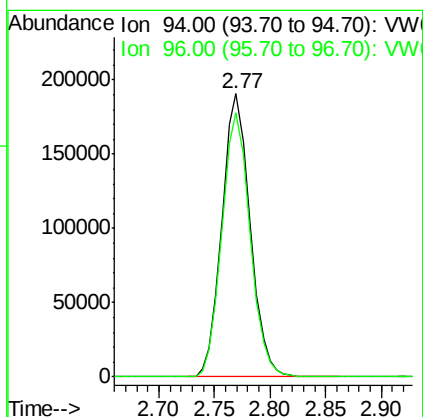
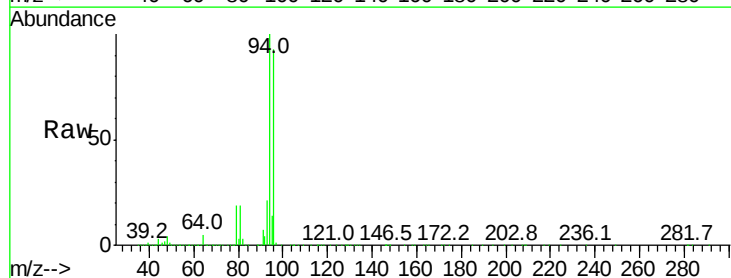
Acq: 20 Feb 2019 12:31

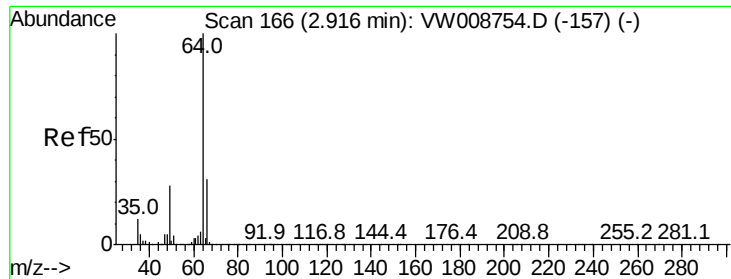
Tgt Ion: 94 Resp: 334912

Ion Ratio Lower Upper

94 100

96 93.2 9.2 175.4





#8

Chloroethane

Concen: 118.516 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

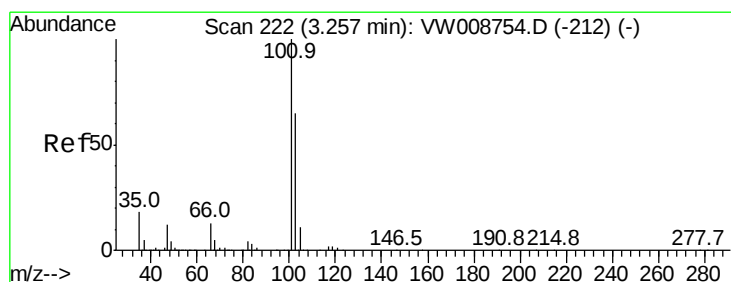
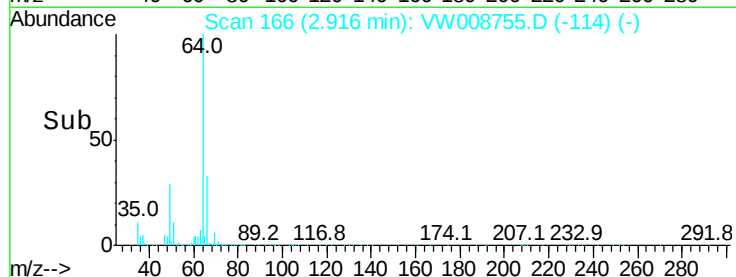
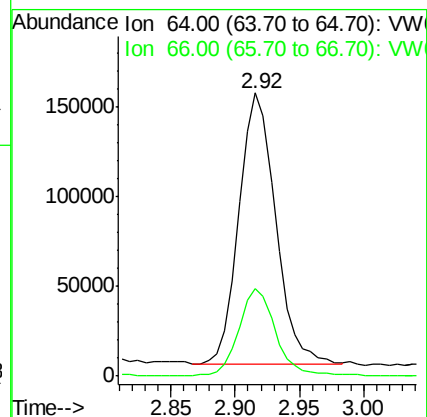
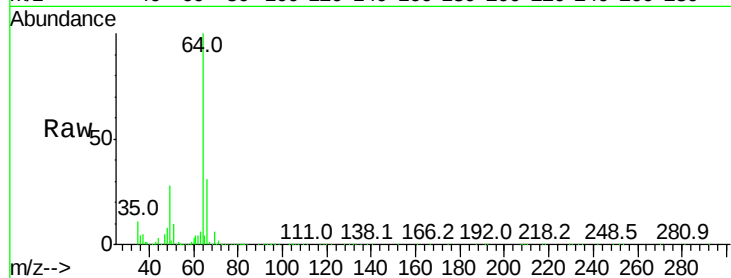
VSTD05004

Tgt Ion: 64 Resp: 300096

Ion Ratio Lower Upper

64 100

66 31.1 23.3 43.3



#9

Trichlorofluoromethane

Concen: 119.476 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW008755.D

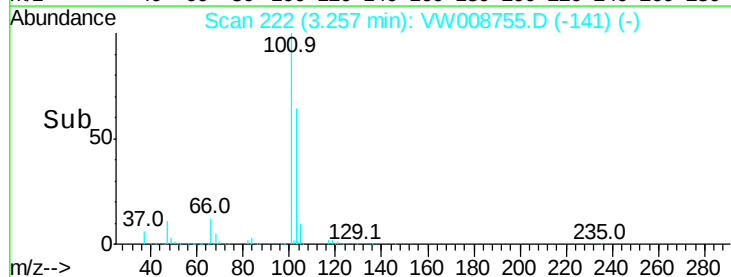
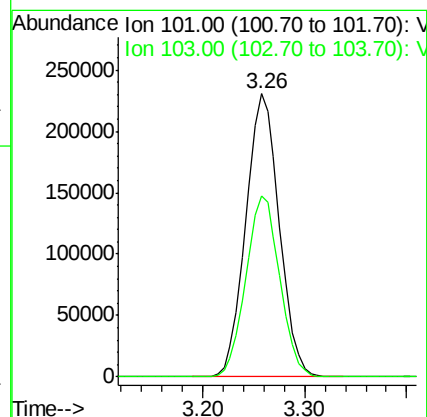
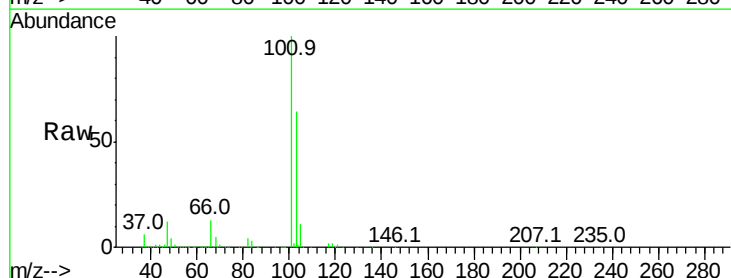
Acq: 20 Feb 2019 12:31

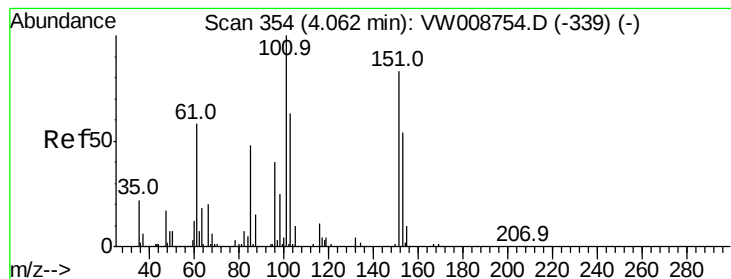
Tgt Ion: 101 Resp: 525793

Ion Ratio Lower Upper

101 100

103 64.7 44.7 83.1





#11

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

Concen: 51.185 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

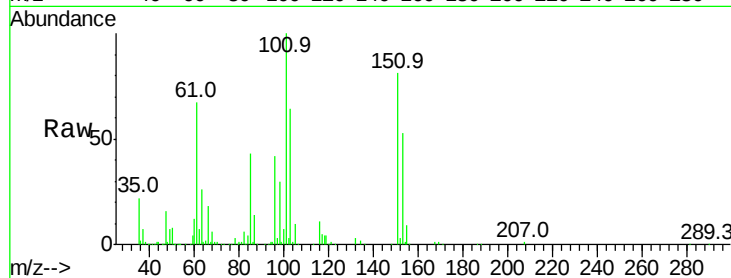
Tgt Ion: 101 Resp: 304776

Ion Ratio Lower Upper

101 100

85 43.6 33.4 50.2

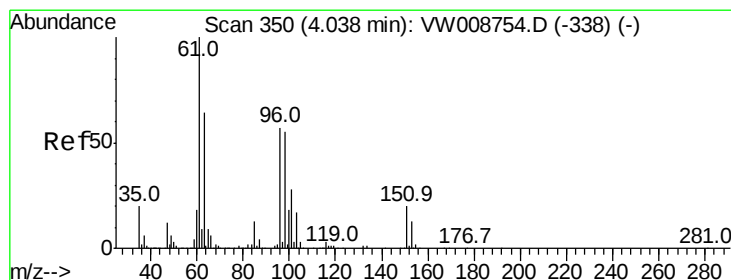
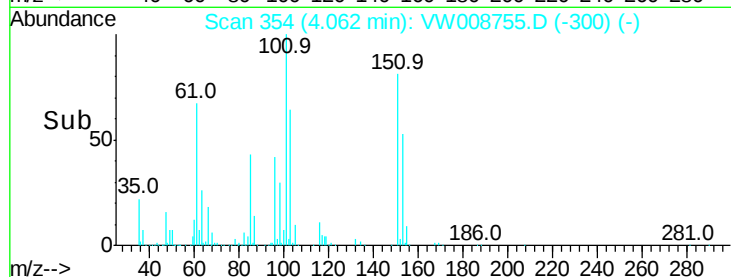
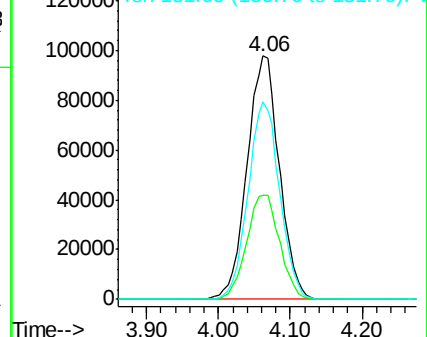
151 79.3 63.2 94.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.570 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

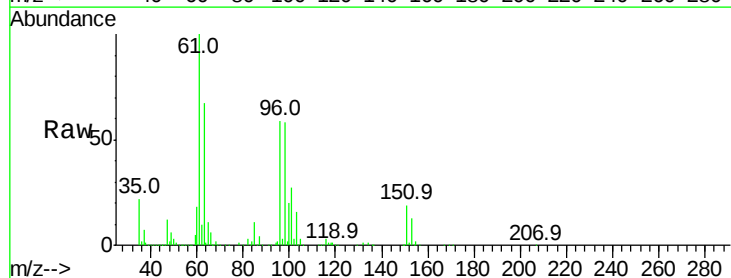
Tgt Ion: 96 Resp: 270281

Ion Ratio Lower Upper

96 100

61 169.7 120.3 223.3

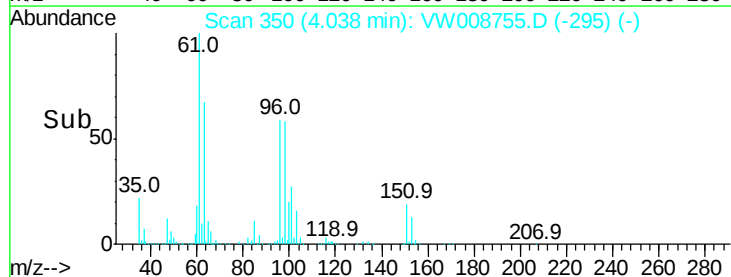
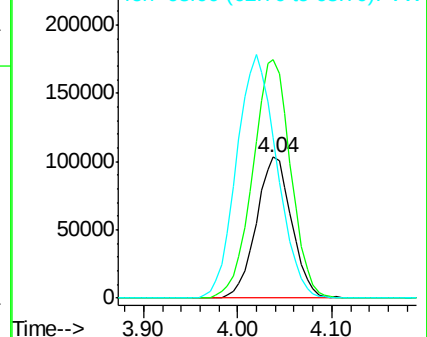
63 113.6 91.6 170.0

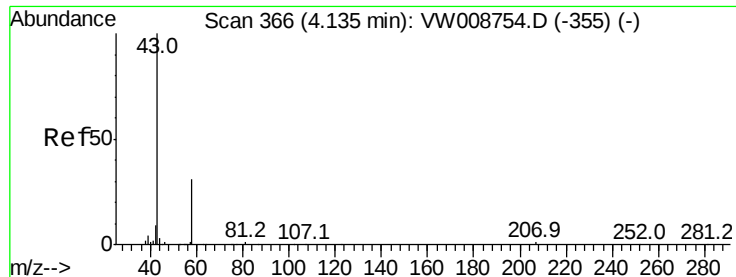


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 82.152 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

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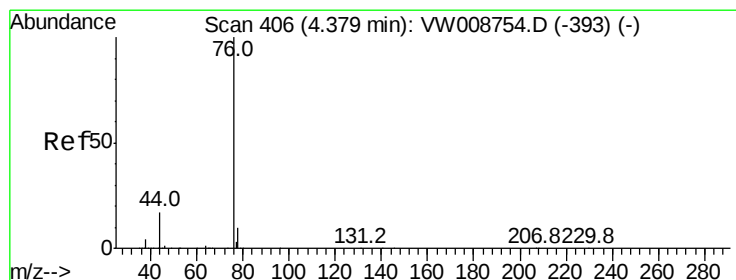
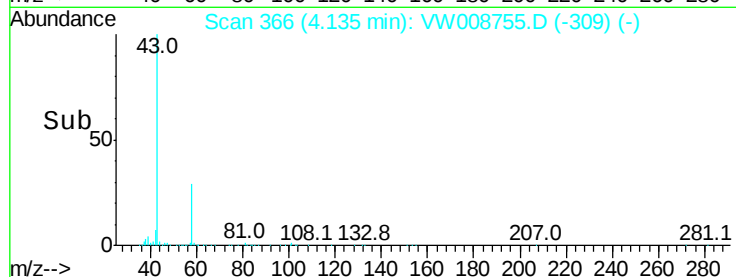
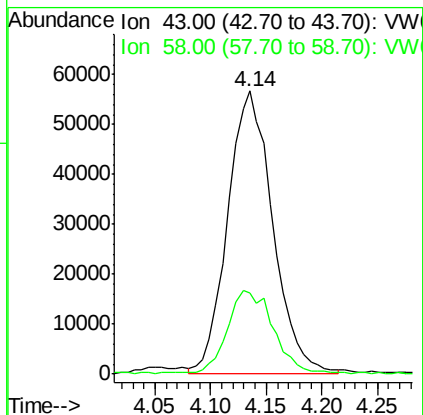
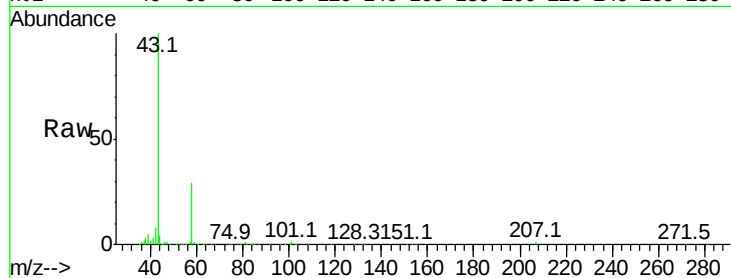
VSTD05004

Tgt Ion: 43 Resp: 159119

Ion Ratio Lower Upper

43 100

58 29.9 0.0 58.6



#14

Carbon disulfide

Concen: 57.645 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008755.D

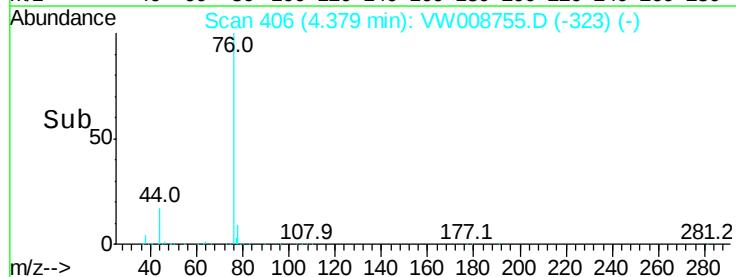
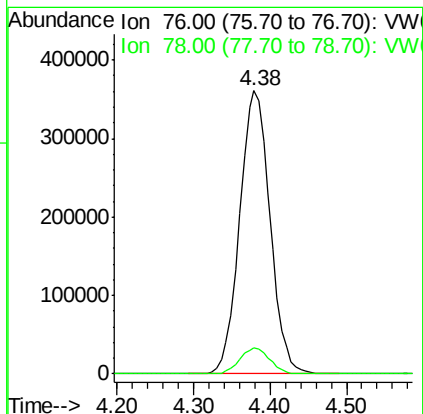
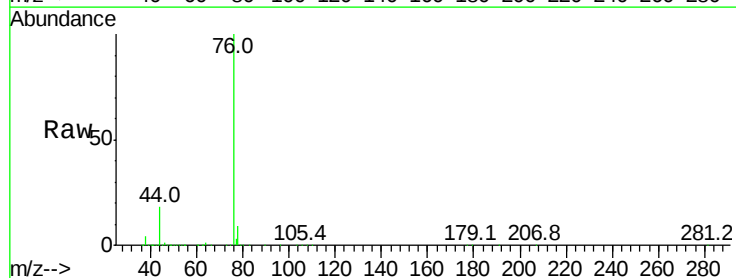
Acq: 20 Feb 2019 12:31

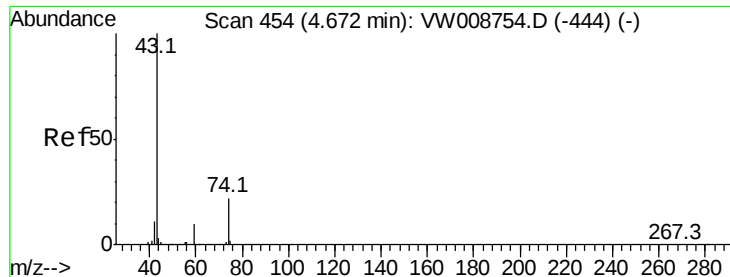
Tgt Ion: 76 Resp: 995533

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3





#15

Methyl Acetate

Concen: 52.824 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

Instrument :

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ClientSampleId :

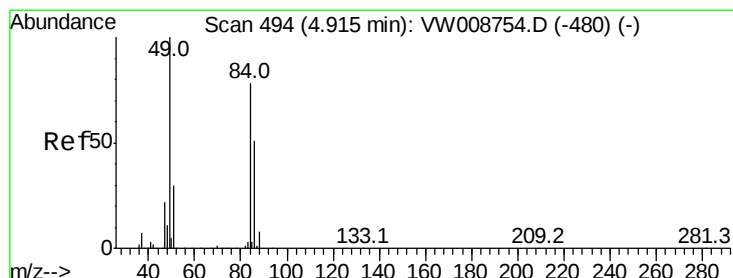
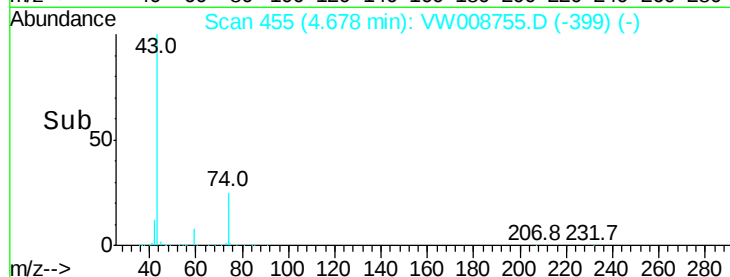
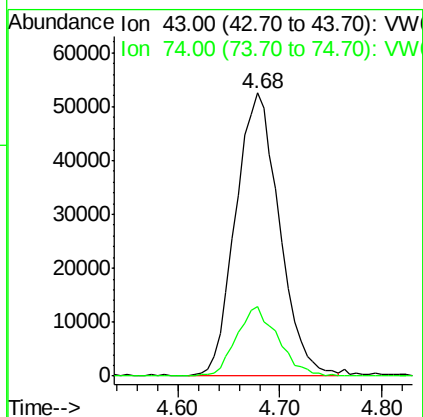
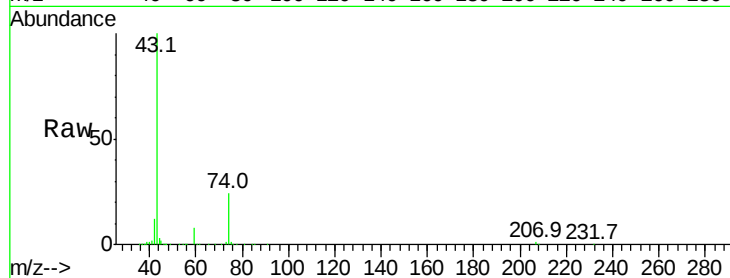
VSTD05004

Tgt Ion: 43 Resp: 155691

Ion Ratio Lower Upper

43 100

74 23.4 20.2 30.2



#16

Methylene chloride

Concen: 40.758 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

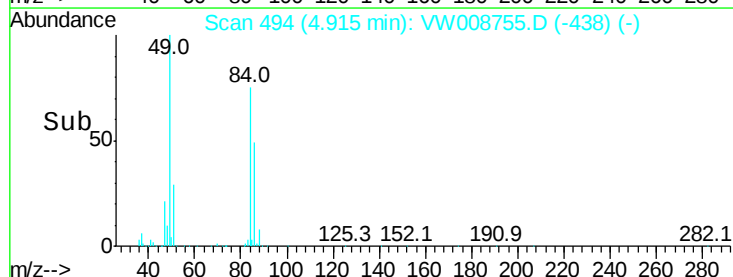
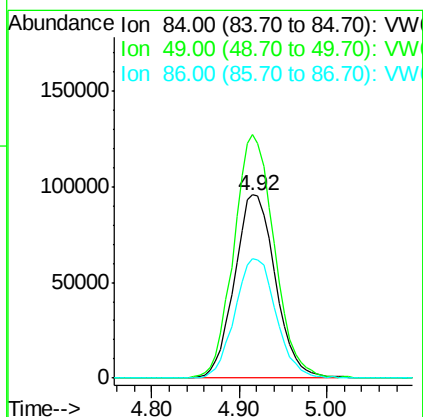
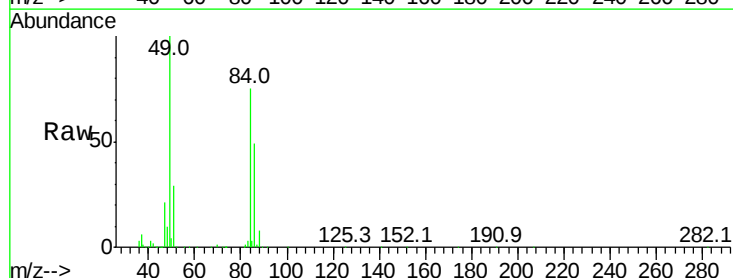
Tgt Ion: 84 Resp: 311080

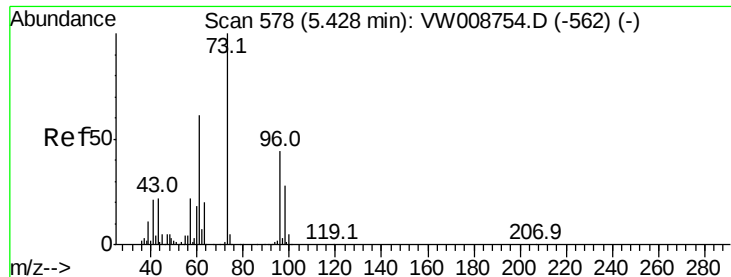
Ion Ratio Lower Upper

84 100

49 133.1 79.2 147.0

86 65.7 43.2 80.2





#17

Methyl tert-butyl Ether

Concen: 75.298 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

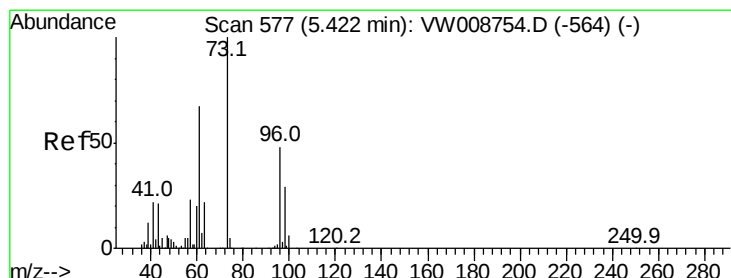
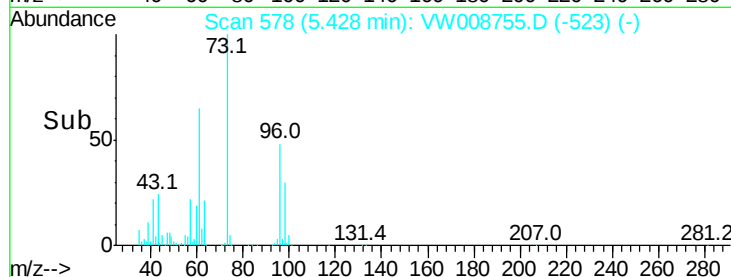
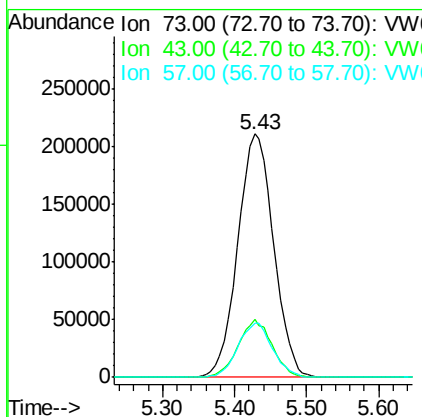
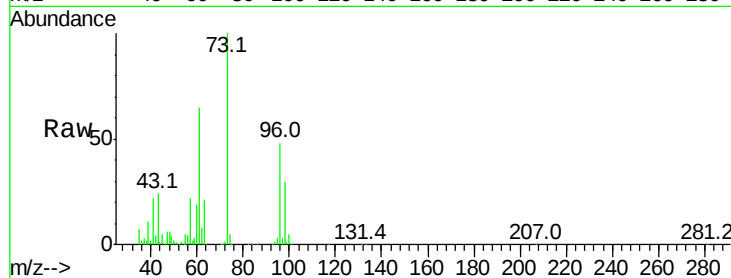
Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

Instrument :
MSVOA_W
ClientSampled :
VSTD05004

Tgt Ion: 73 Resp: 729739

Ion	Ratio	Lower	Upper
73	100		
43	22.5	18.5	27.7
57	21.6	16.4	24.6



#18

trans-1,2-Dichloroethene

Concen: 50.779 ug/L

RT: 5.43 min Scan# 578

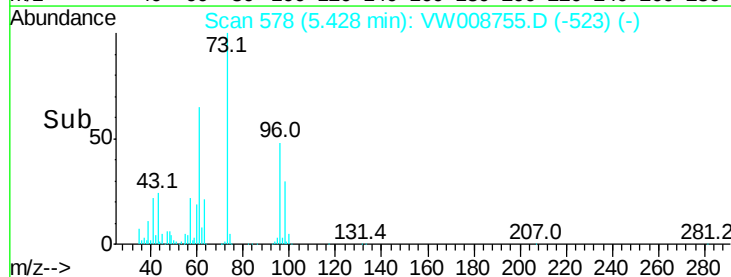
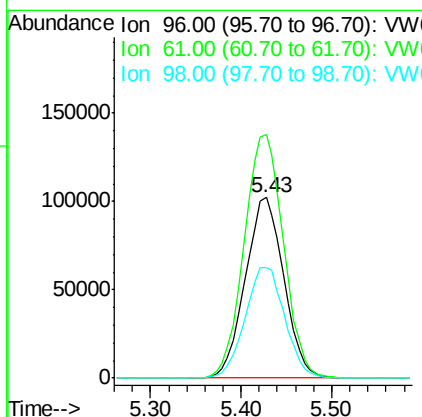
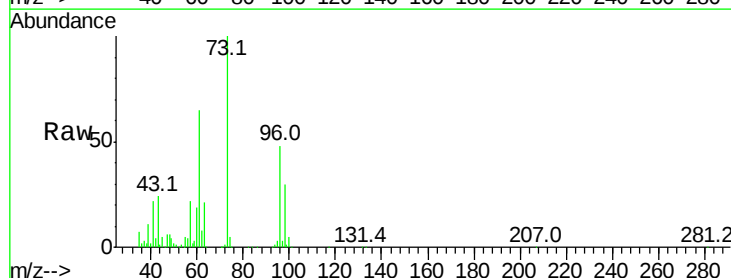
Delta R.T. 0.01 min

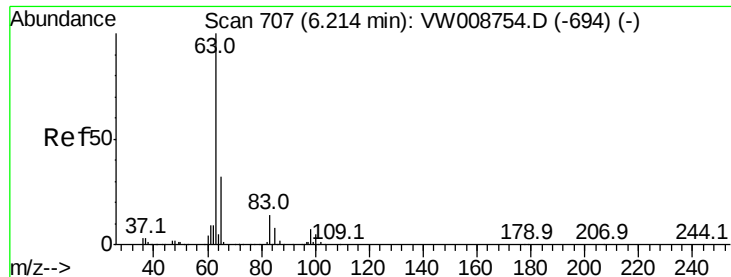
Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

Tgt Ion: 96 Resp: 300331

Ion	Ratio	Lower	Upper
96	100		
61	135.0	91.4	169.8
98	61.3	48.0	89.2





#19

1,1-Dichloroethane

Concen: 51.465 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

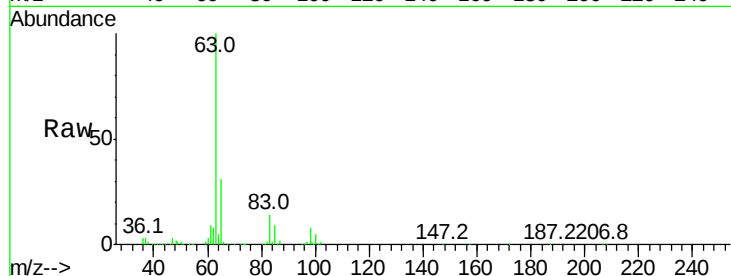
Tgt Ion: 63 Resp: 506403

Ion Ratio Lower Upper

63 100

65 31.4 20.6 38.4

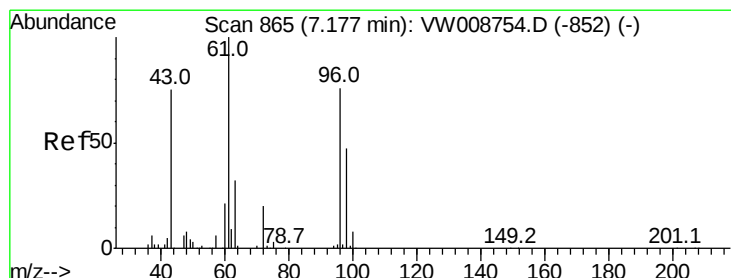
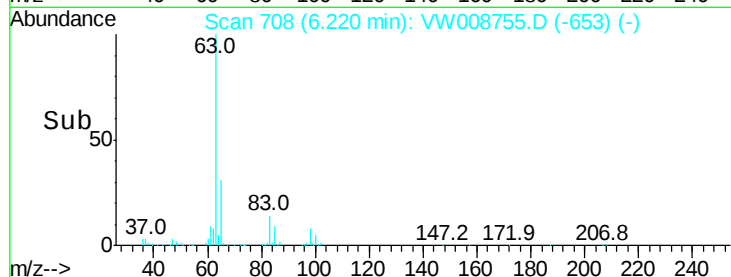
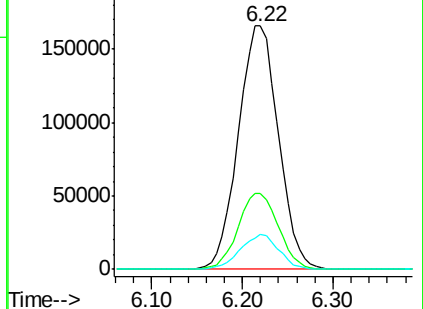
83 14.1 10.0 18.6



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: 105.428 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008755.D

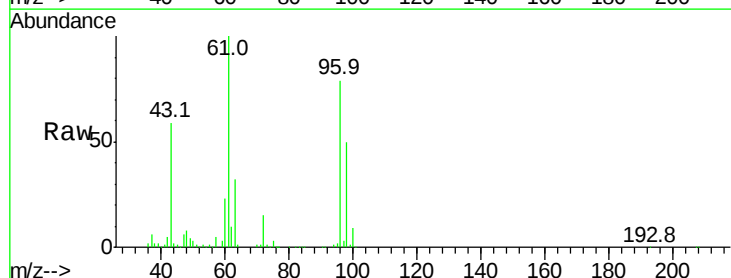
Acq: 20 Feb 2019 12:31

Tgt Ion: 43 Resp: 232354

Ion Ratio Lower Upper

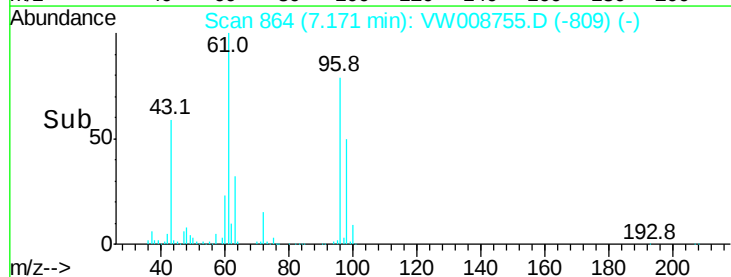
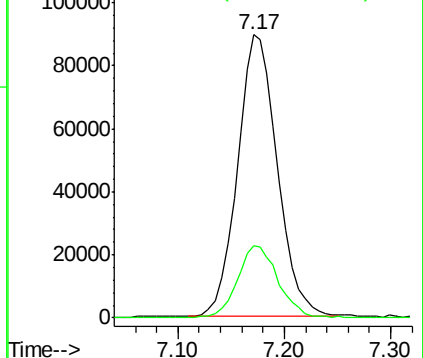
43 100

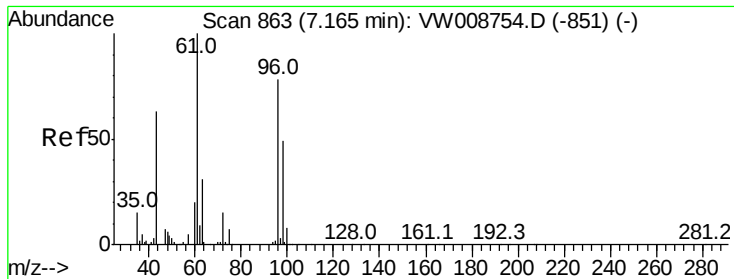
72 26.2 14.4 43.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



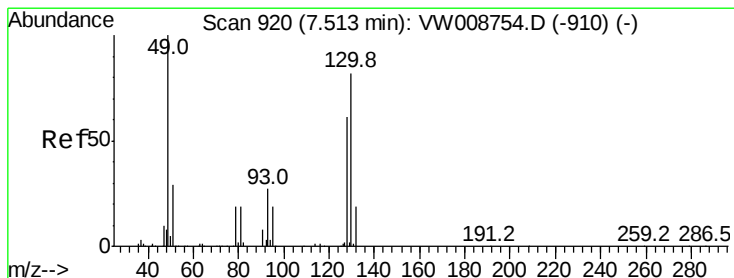
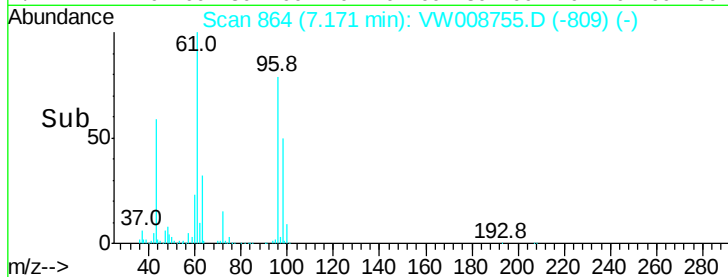
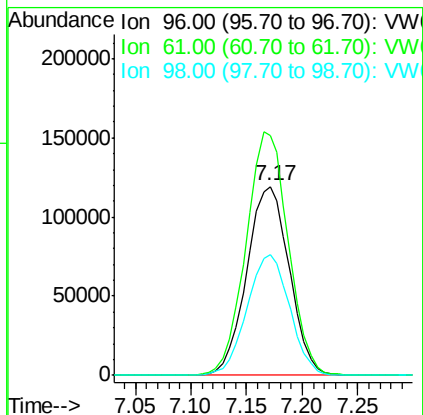
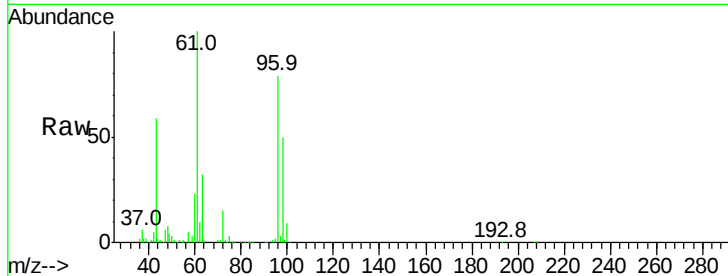


#22

cis-1,2-Dichloroethene
Concen: 50.108 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW008755.D
Acq: 20 Feb 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

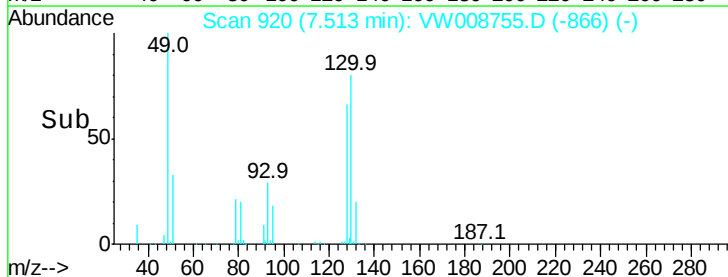
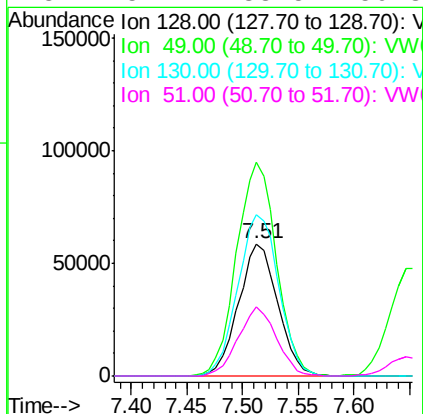
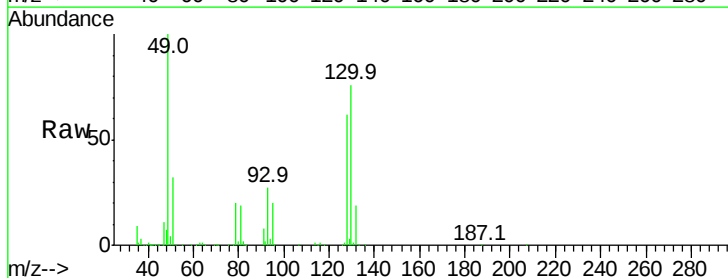
Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.1	83.4	155.0
98	63.8	42.3	78.5

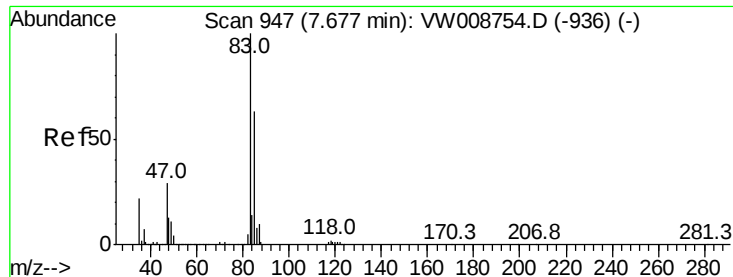


#23

Bromochloromethane
Concen: 50.267 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW008755.D
Acq: 20 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
128	100		
49	161.8	96.9	180.1
130	122.2	86.2	160.0
51	52.4	33.5	50.3#





#25

Chloroform

Concen: 47.670 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

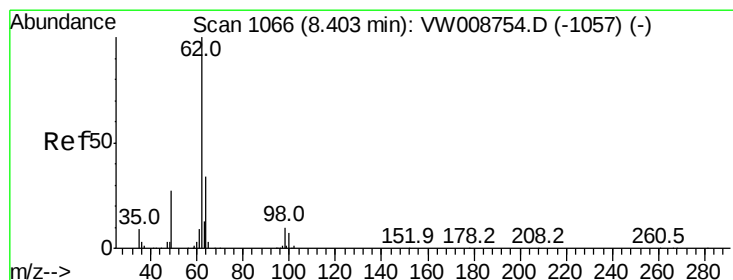
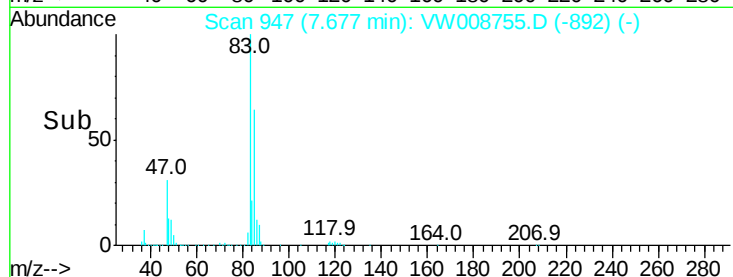
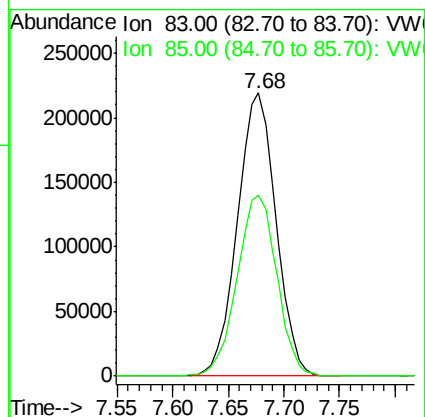
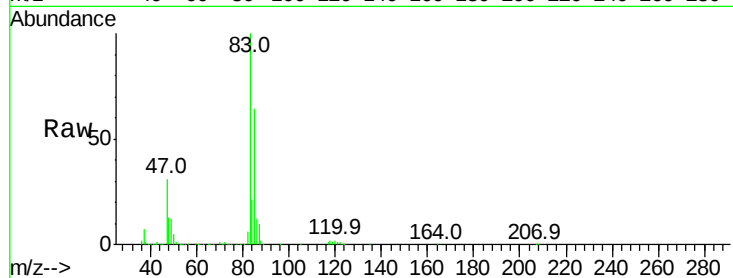
VSTD05004

Tgt Ion: 83 Resp: 528272

Ion Ratio Lower Upper

83 100

85 65.8 45.8 85.2



#27

1,2-Dichloroethane

Concen: 45.564 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW008755.D

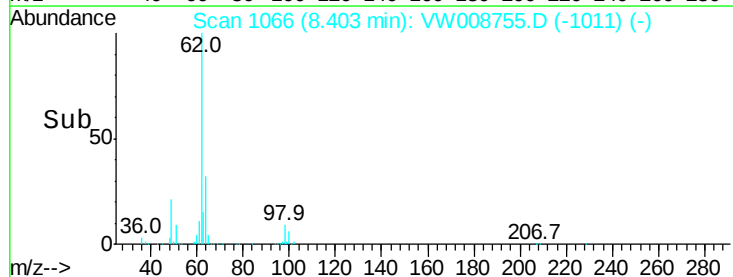
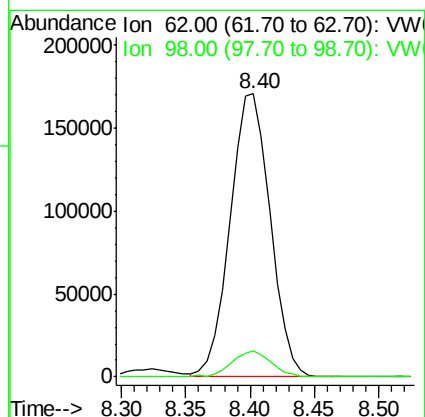
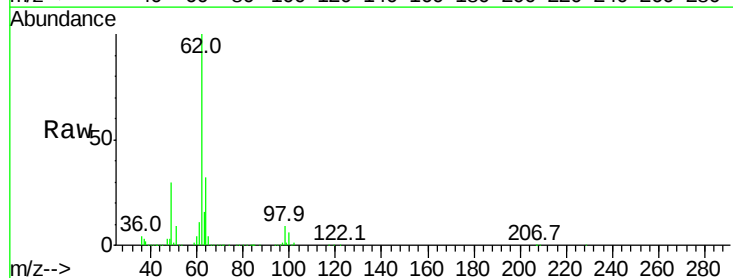
Acq: 20 Feb 2019 12:31

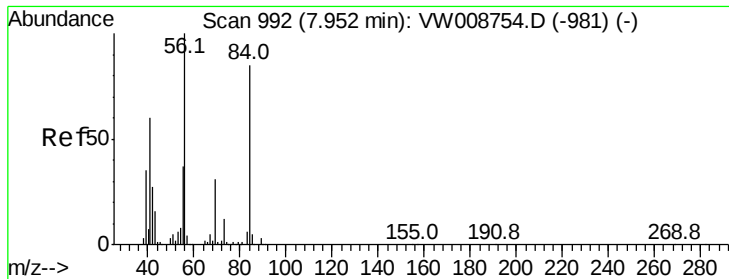
Tgt Ion: 62 Resp: 370341

Ion Ratio Lower Upper

62 100

98 9.1 5.4 8.2#

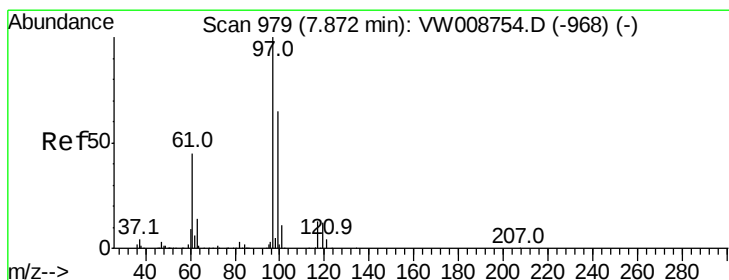
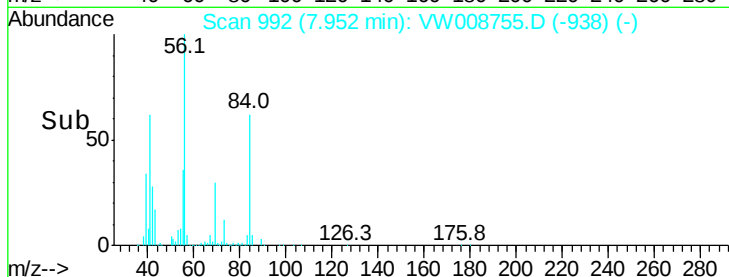
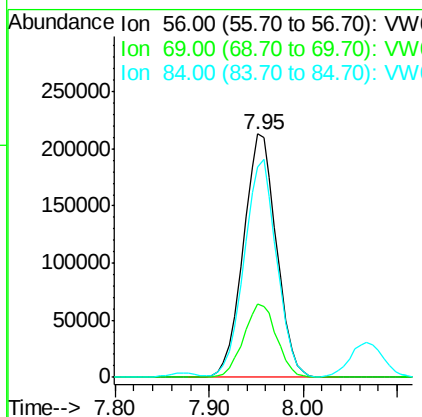
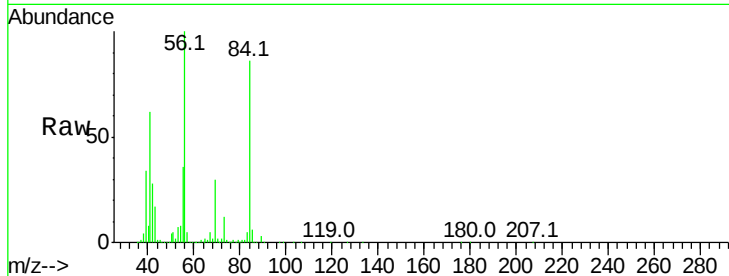




#30
Cyclohexane
Concen: 51.428 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008755.D
Acq: 20 Feb 2019 12:31

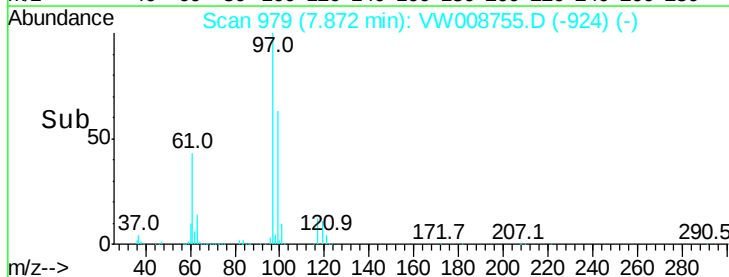
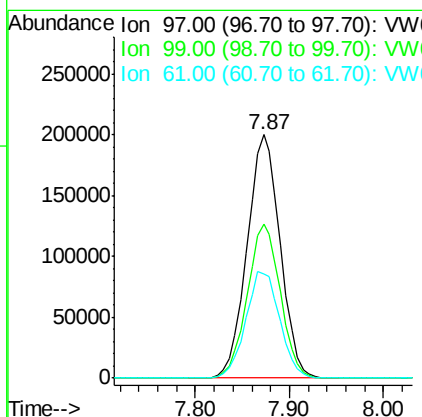
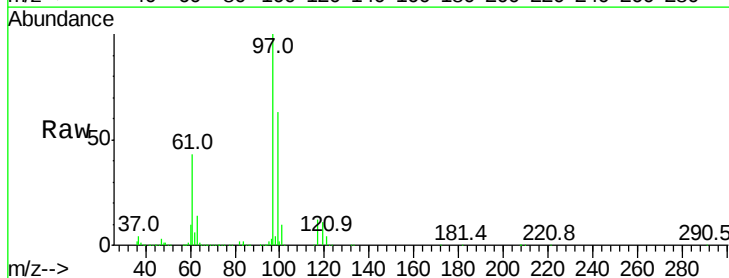
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

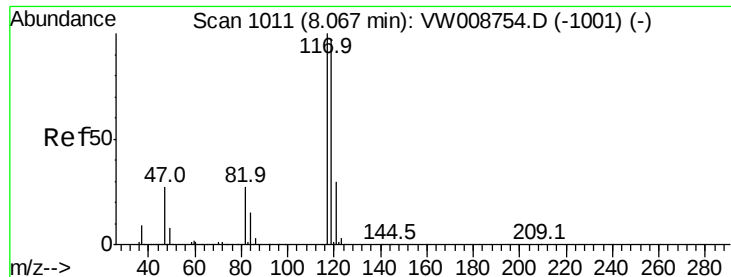
Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.4	26.2	39.4
84	88.4	74.3	111.5



#31
1,1,1-Trichloroethane
Concen: 44.387 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW008755.D
Acq: 20 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.3	78.5
61	45.0	33.5	50.3





#32

Carbon tetrachloride

Concen: 42.449 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

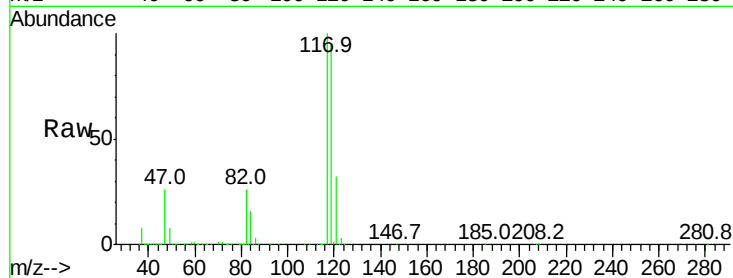
VSTD05004

Tgt Ion:117 Resp: 451843

Ion Ratio Lower Upper

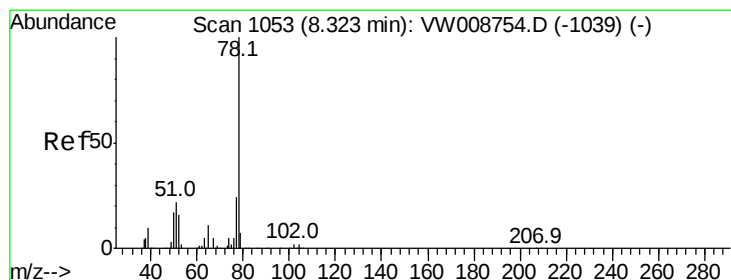
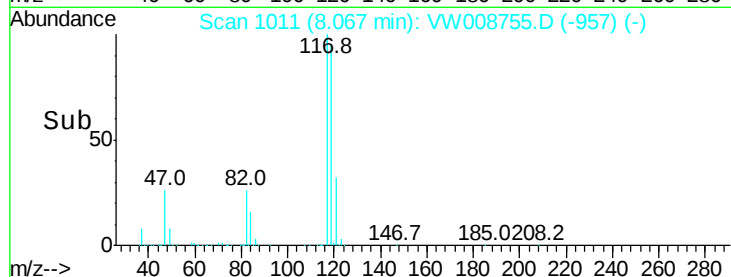
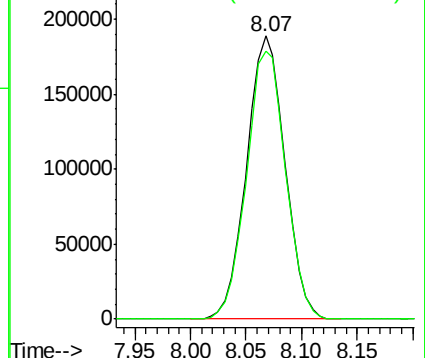
117 100

119 96.7 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 48.473 ug/L

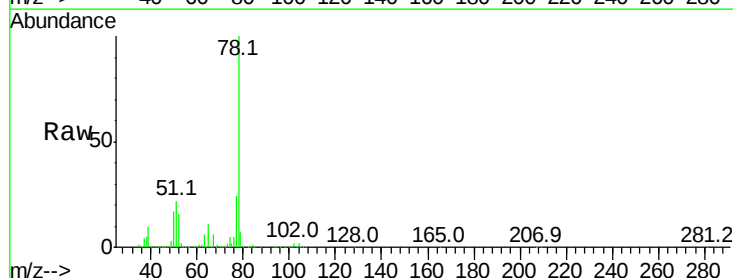
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

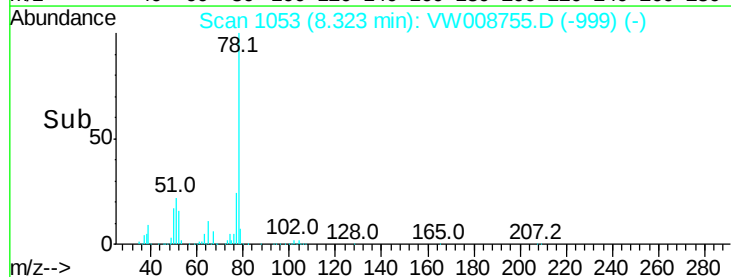
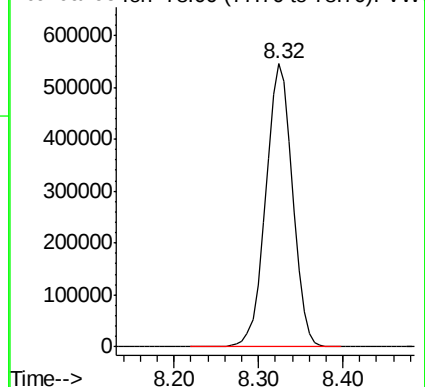
Lab File: VW008755.D

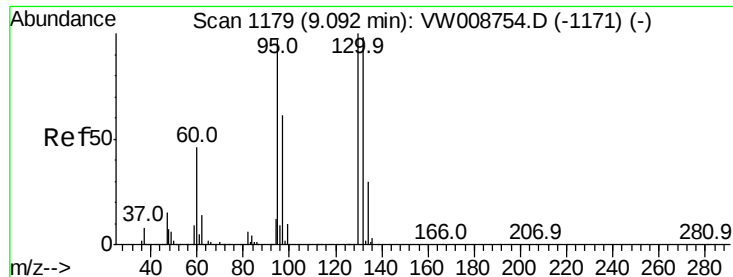
Acq: 20 Feb 2019 12:31

Tgt Ion: 78 Resp: 1199482



Abundance Ion 78.00 (77.70 to 78.70): VW

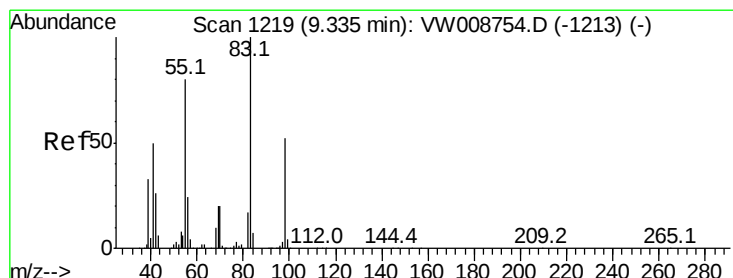
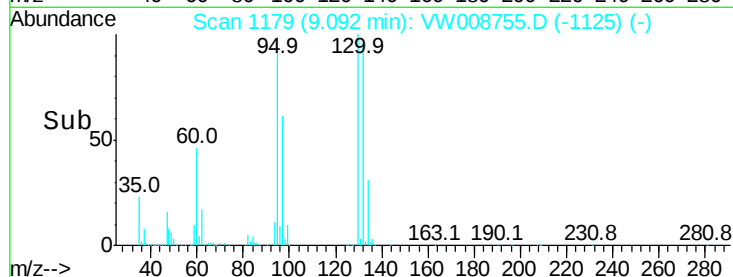
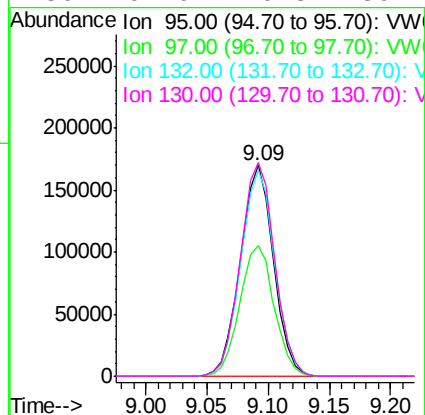
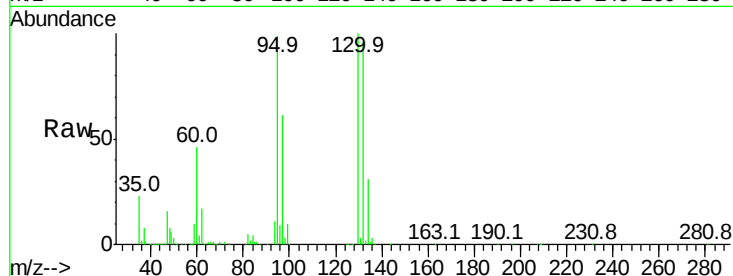




#35
 Trichloroethene
 Concen: 44.408 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW008755.D
 Acq: 20 Feb 2019 12:31

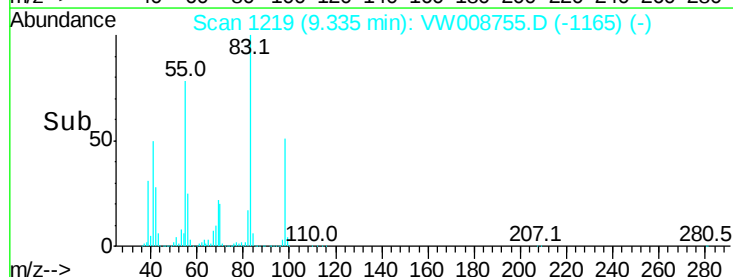
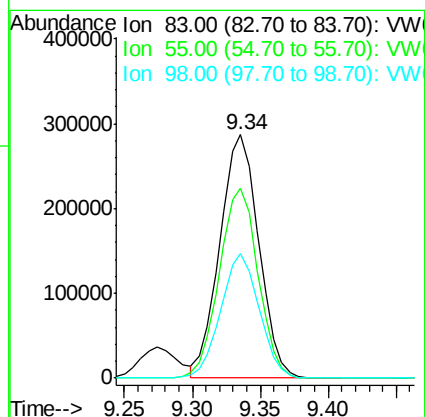
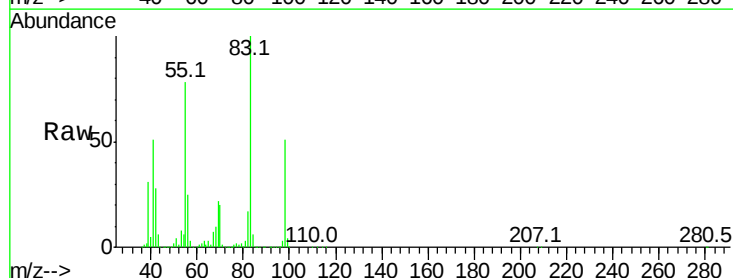
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05004

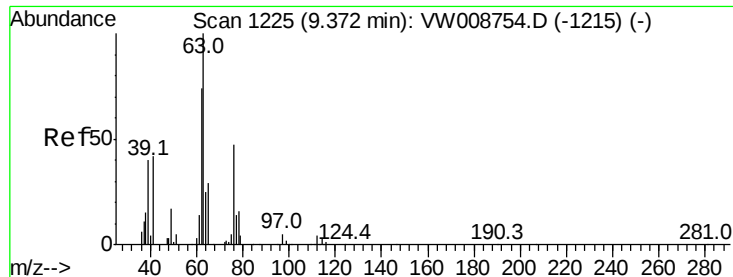
Tgt Ion	Resp	Lower	Upper
95	100		
97	64.3	44.4	82.5
132	100.4	67.8	126.0
130	104.9	70.3	130.7



#36
 Methylcyclohexane
 Concen: 46.308 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW008755.D
 Acq: 20 Feb 2019 12:31

Tgt Ion	Resp	Lower	Upper
83	100		
55	77.8	59.4	89.0
98	50.6	38.2	57.2





#40

1,2-Dichloropropane

Concen: 50.035 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

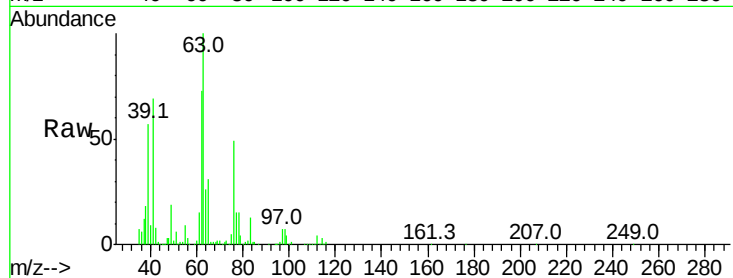
VSTD05004

Tgt Ion: 63 Resp: 291048

Ion Ratio Lower Upper

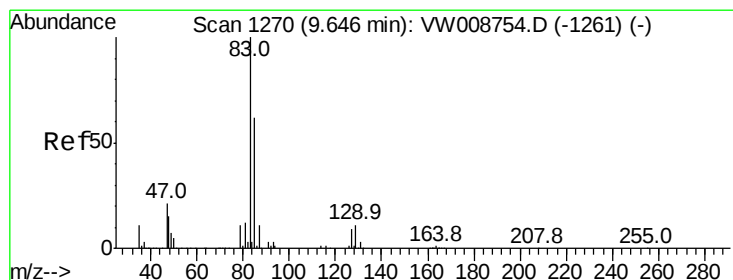
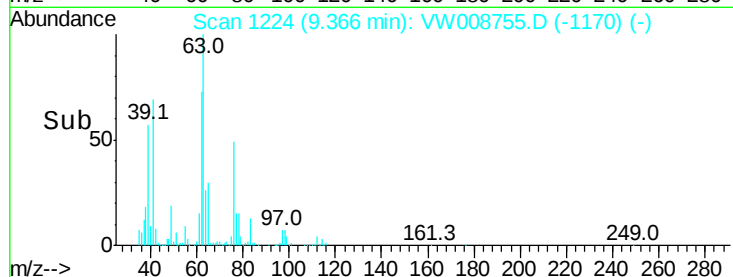
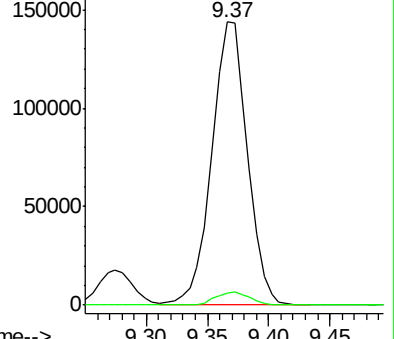
63 100

112 4.6 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 45.579 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

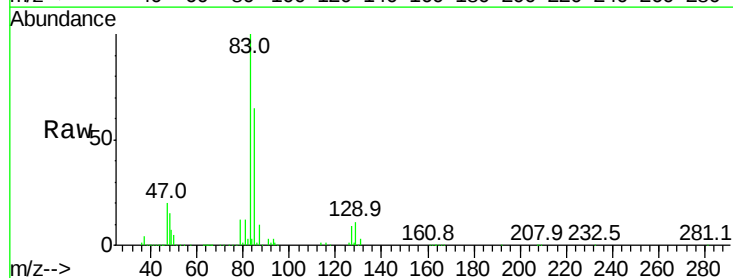
Tgt Ion: 83 Resp: 389918

Ion Ratio Lower Upper

83 100

85 64.7 44.4 82.5

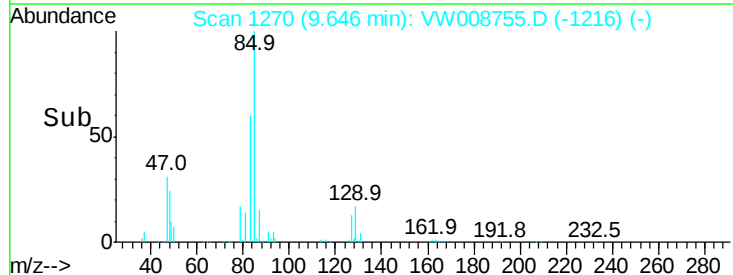
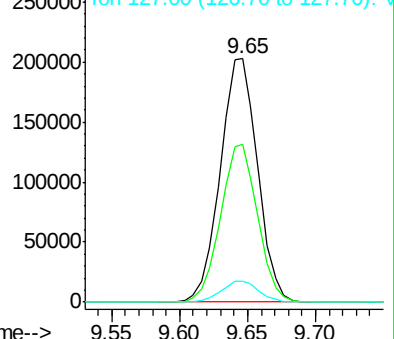
127 8.6 7.0 10.6

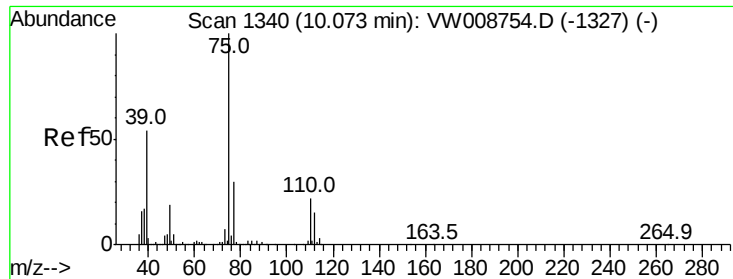


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 47.127 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

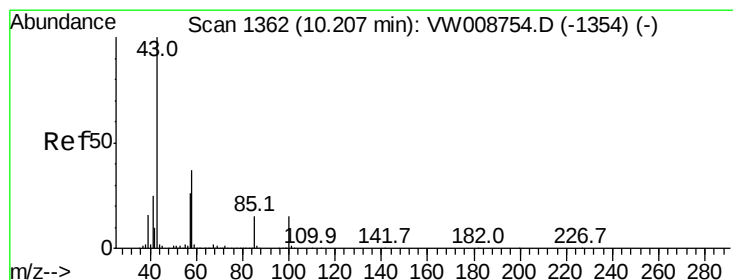
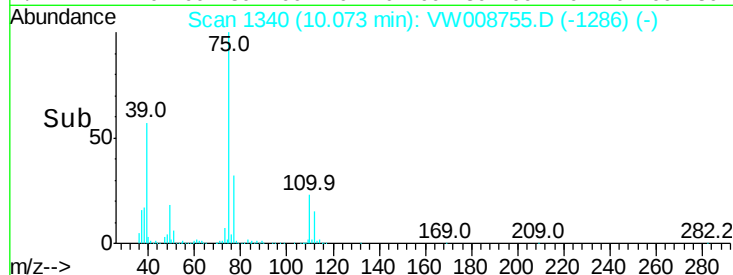
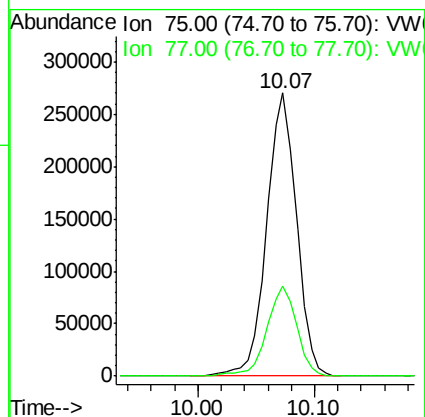
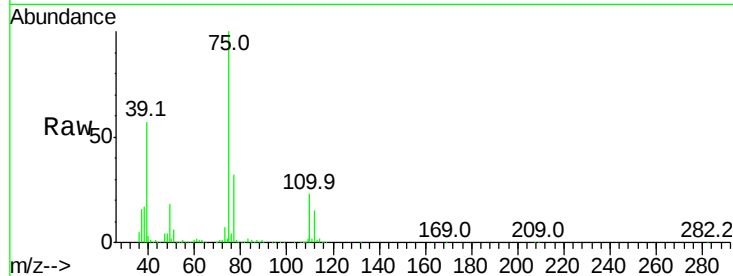
VSTD05004

Tgt Ion: 75 Resp: 478521

Ion Ratio Lower Upper

75 100

77 31.7 23.0 42.8



#43

4-Methyl-2-pentanone

Concen: 101.439 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

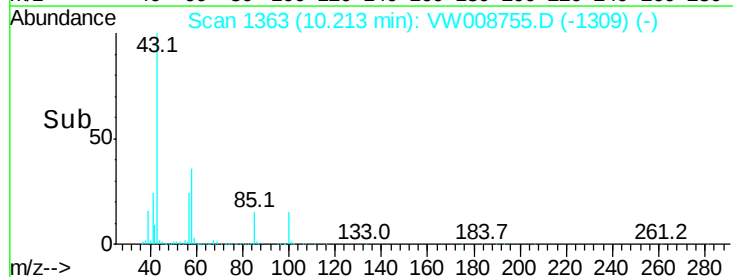
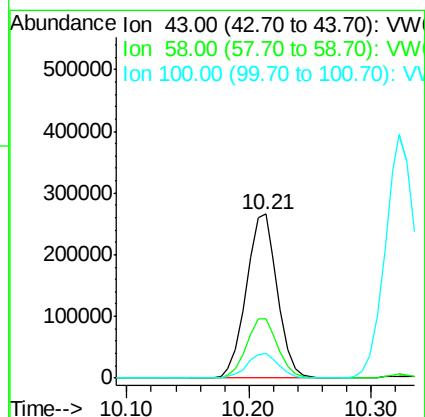
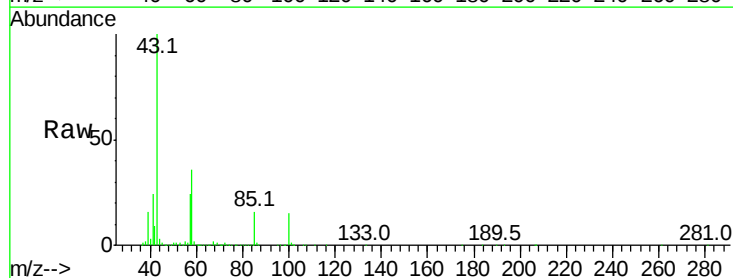
Tgt Ion: 43 Resp: 467016

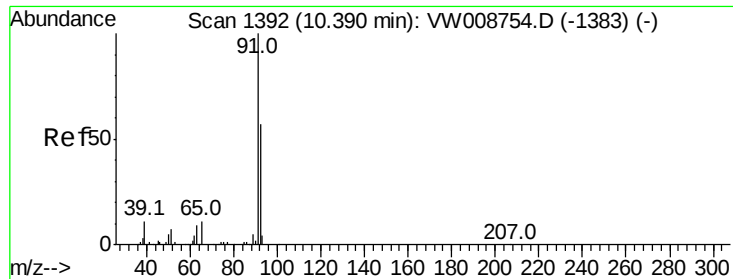
Ion Ratio Lower Upper

43 100

58 36.9 31.1 46.7

100 15.3 14.0 21.0





#44

Toluene

Concen: 49.494 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

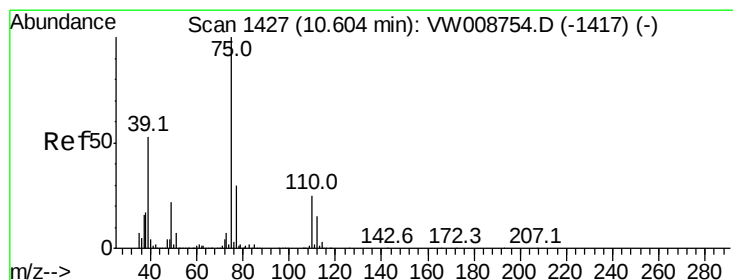
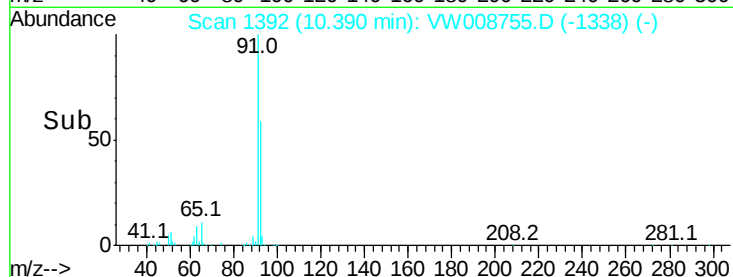
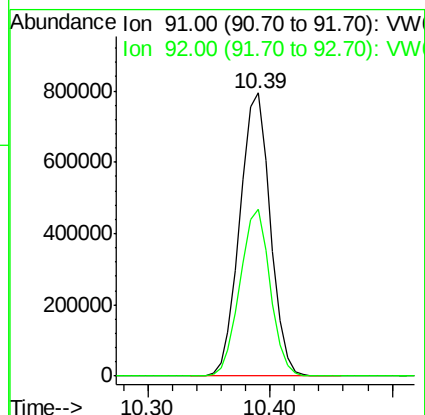
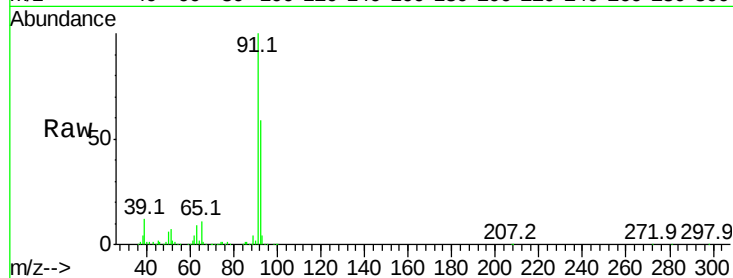
VSTD05004

Tgt Ion: 91 Resp: 1370293

Ion Ratio Lower Upper

91 100

92 58.8 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 45.354 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008755.D

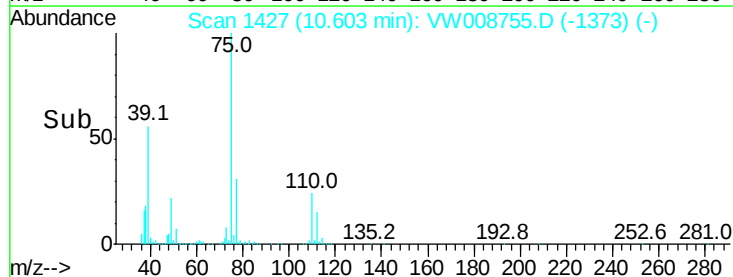
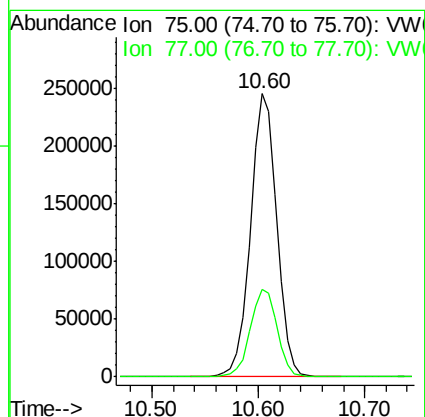
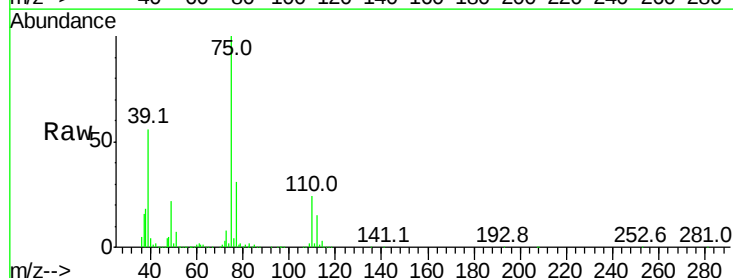
Acq: 20 Feb 2019 12:31

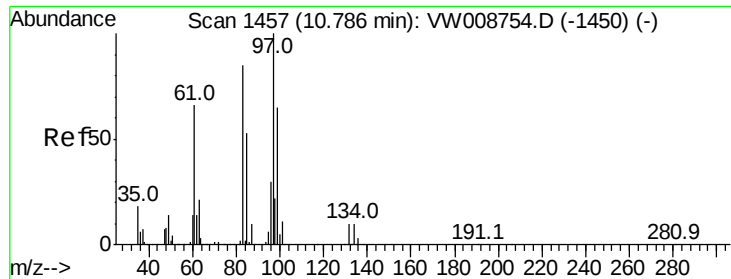
Tgt Ion: 75 Resp: 424343

Ion Ratio Lower Upper

75 100

77 31.0 21.1 39.3

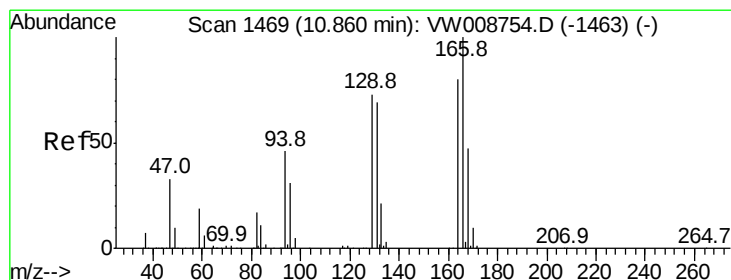
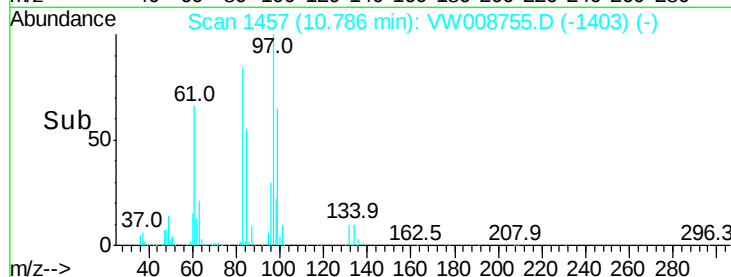
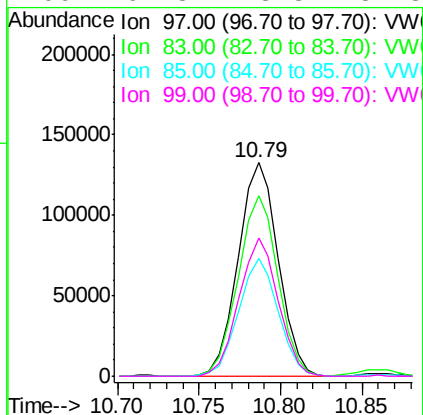
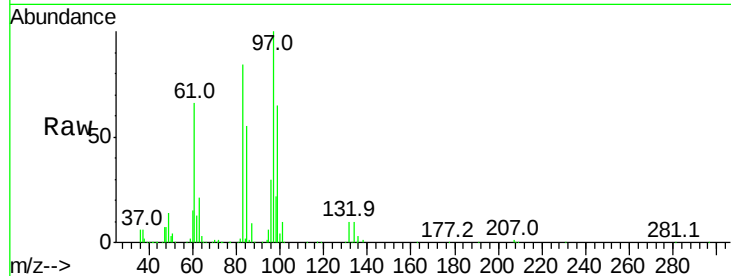




#46
 1,1,2-Trichloroethane
 Concen: 46.161 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008755.D
 Acq: 20 Feb 2019 12:31

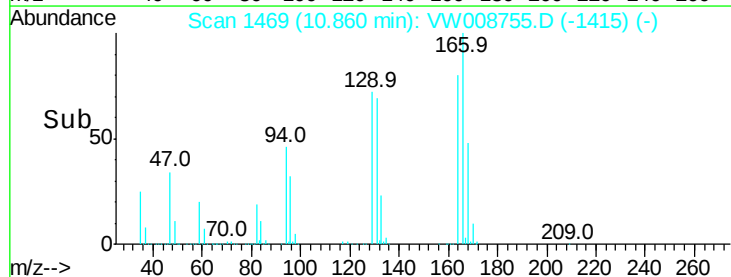
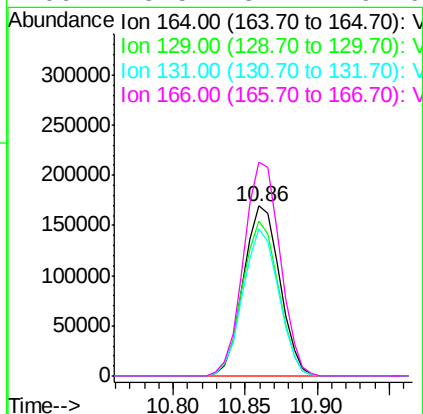
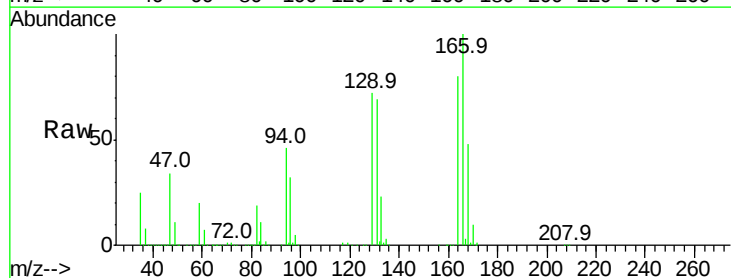
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05004

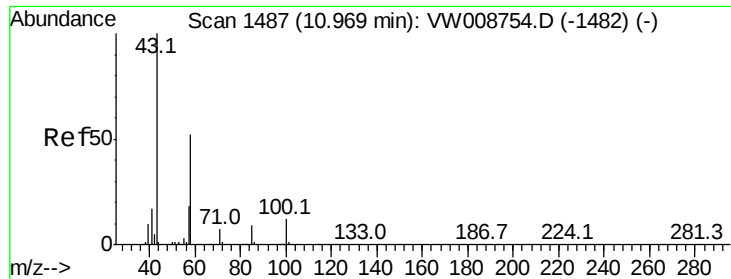
Tgt Ion:	97	Resp:	227166
Ion	Ratio	Lower	Upper
97	100		
83	84.5	58.4	108.6
85	55.4	36.4	67.6
99	64.8	43.8	81.3



#47
 Tetrachloroethene
 Concen: 51.977 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW008755.D
 Acq: 20 Feb 2019 12:31

Tgt Ion:	164	Resp:	296904
Ion	Ratio	Lower	Upper
164	100		
129	90.7	70.6	131.2
131	86.8	66.5	123.5
166	125.5	87.7	162.9

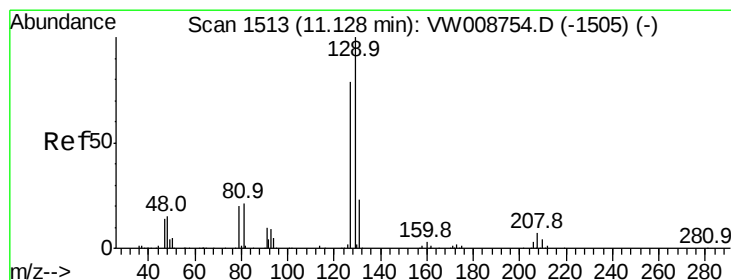
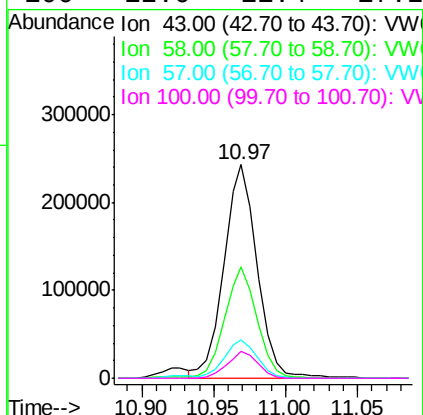
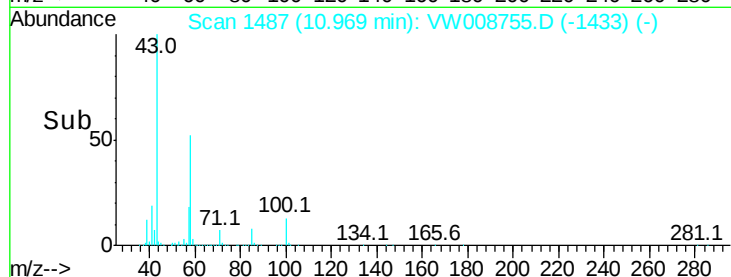
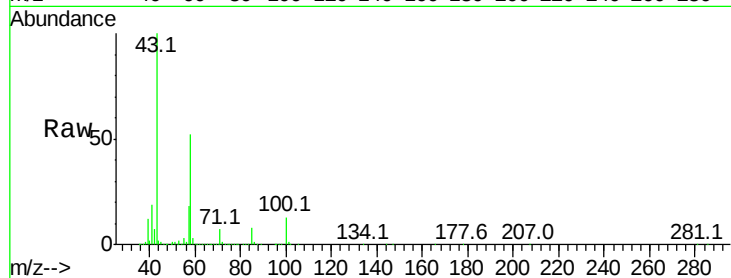




#49
2-Hexanone
Concen: 117.346 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008755.D
Acq: 20 Feb 2019 12:31

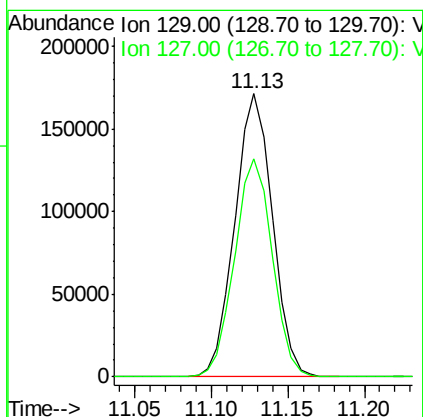
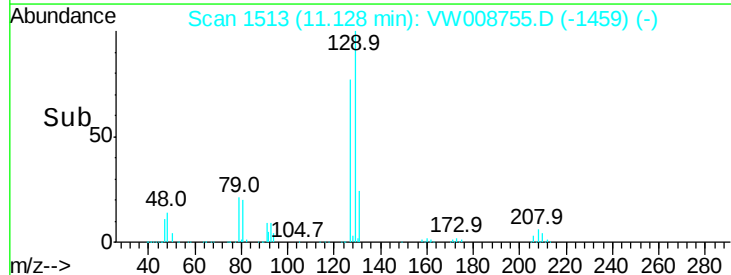
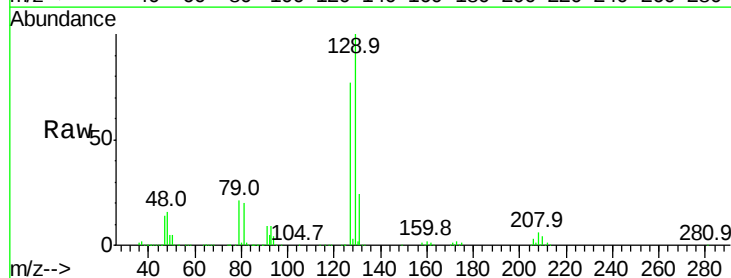
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

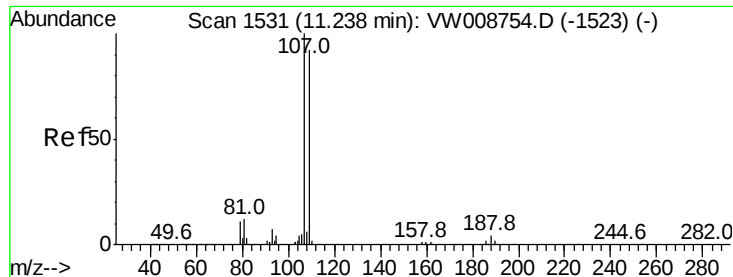
Tgt Ion: 43 Resp: 389773
Ion Ratio Lower Upper
43 100
58 50.9 46.2 69.4
57 17.7 17.9 26.9#
100 12.0 11.4 17.2



#50
Dibromochloromethane
Concen: 46.733 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008755.D
Acq: 20 Feb 2019 12:31

Tgt Ion: 129 Resp: 293001
Ion Ratio Lower Upper
129 100
127 77.2 55.8 103.6

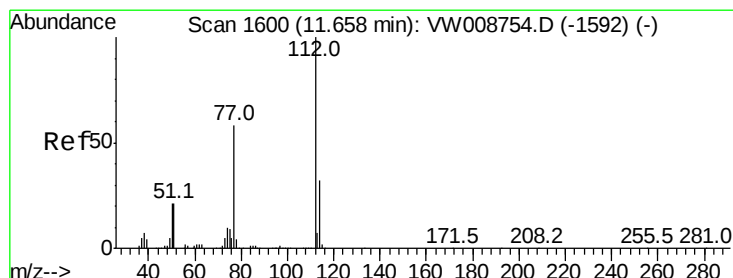
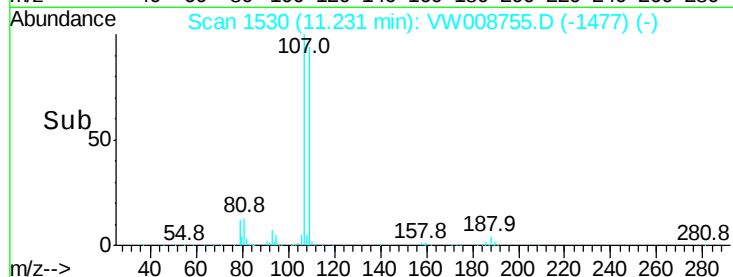
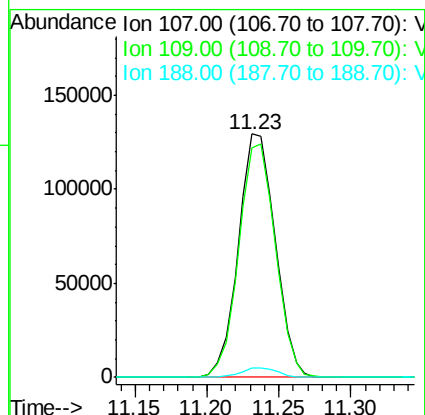
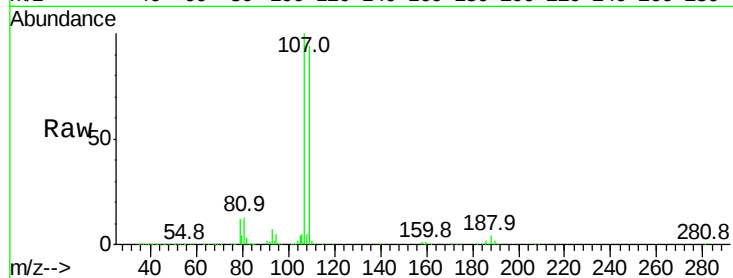




#51
1,2-Dibromoethane
Concen: 45.694 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW008755.D
Acq: 20 Feb 2019 12:31

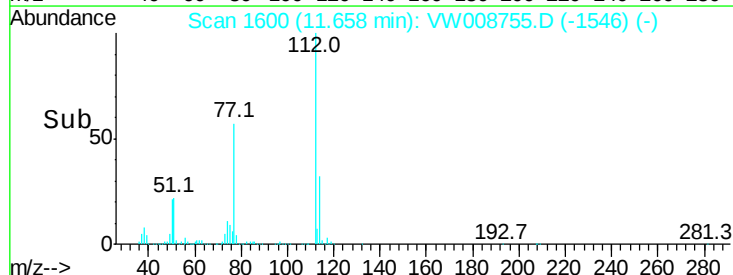
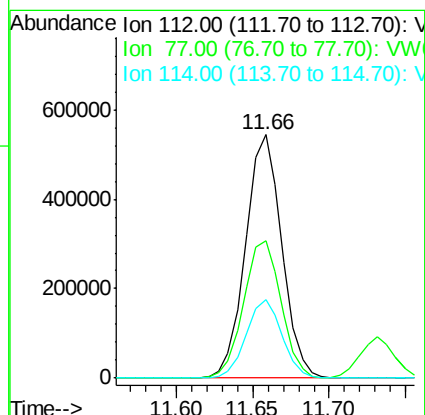
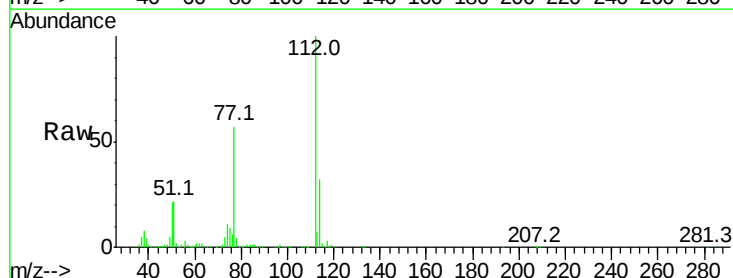
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

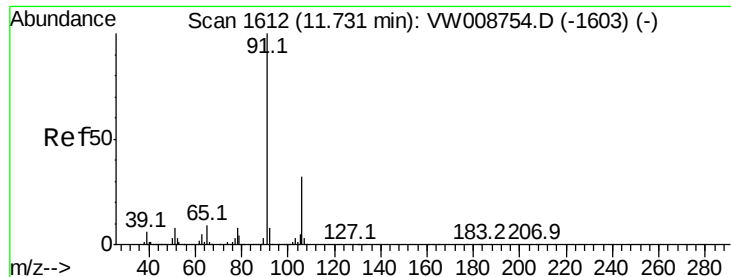
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	63.2	117.4
188	3.7	3.1	4.7



#52
Chlorobenzene
Concen: 49.597 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008755.D
Acq: 20 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.6	47.8	71.6
114	32.2	22.2	41.2

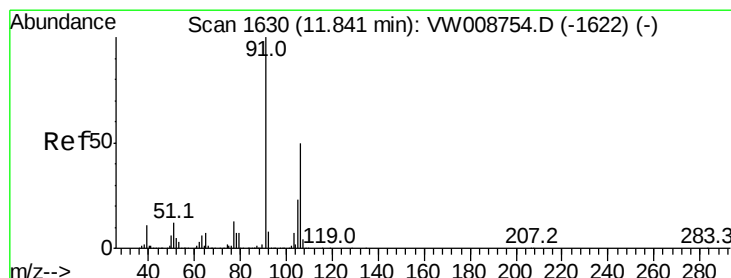
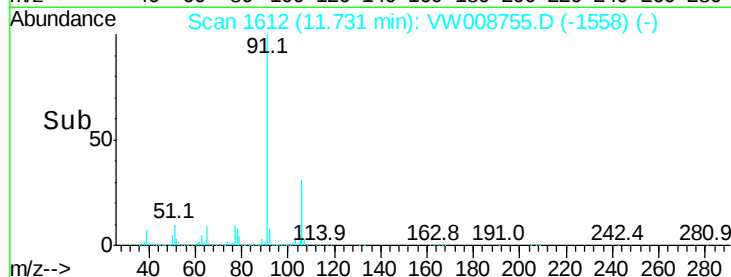
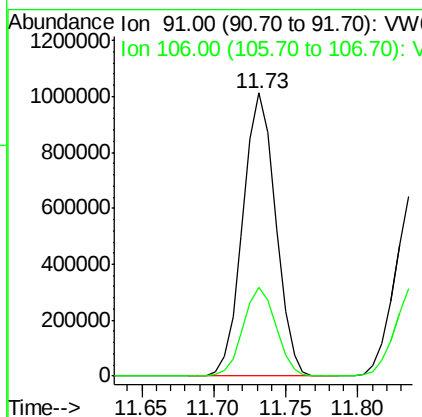
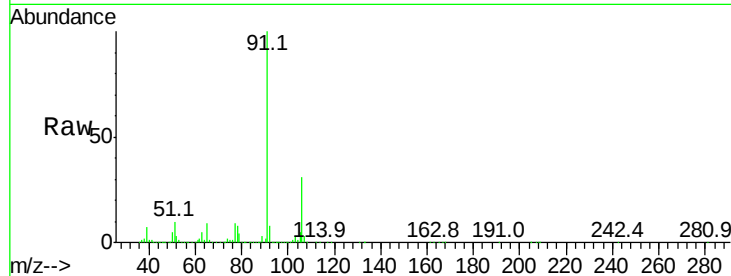




#53
Ethylbenzene
Concen: 50.492 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008755.D
Acq: 20 Feb 2019 12:31

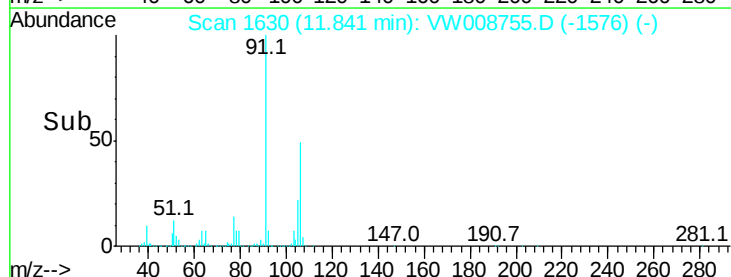
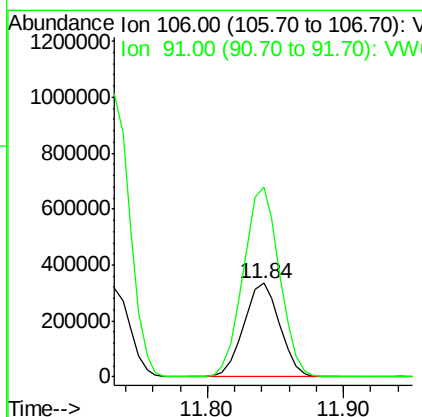
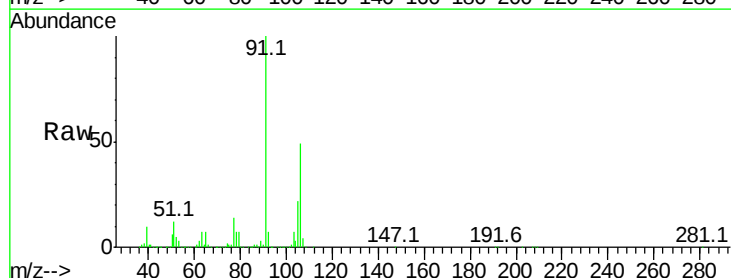
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

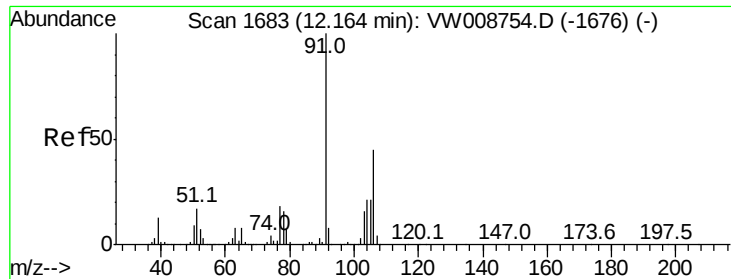
Tgt Ion: 91 Resp: 1606125
Ion Ratio Lower Upper
91 100
106 31.3 21.5 39.9



#54
m,p-Xylene
Concen: 51.852 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008755.D
Acq: 20 Feb 2019 12:31

Tgt Ion: 106 Resp: 621406
Ion Ratio Lower Upper
106 100
91 204.0 147.8 274.4





#55

o-xylene

Concen: 52.532 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

Instrument :

MSVOA_W

ClientSampled :

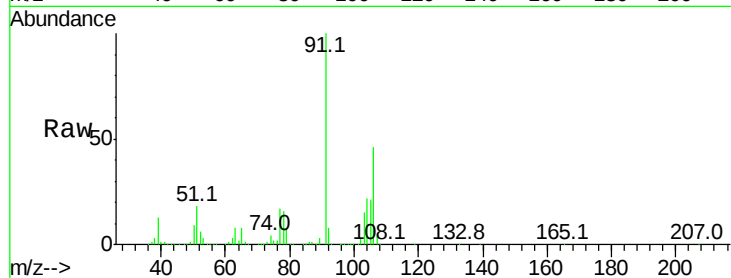
VSTD05004

Tgt Ion:106 Resp: 597081

Ion Ratio Lower Upper

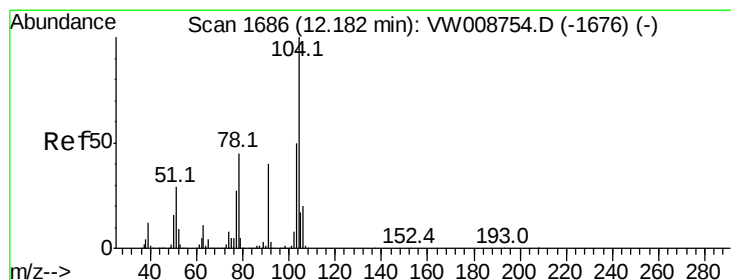
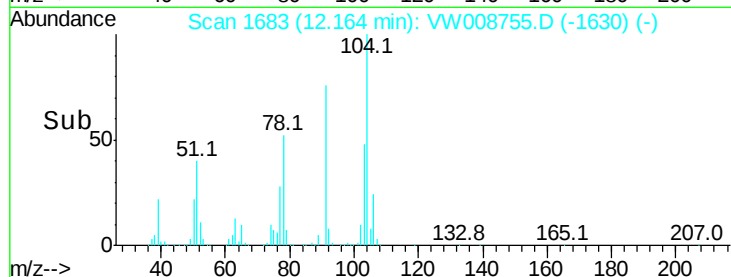
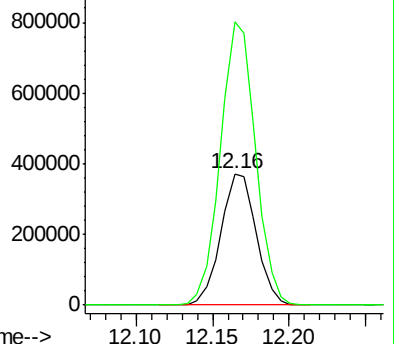
106 100

91 215.1 156.0 289.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 53.456 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW008755.D

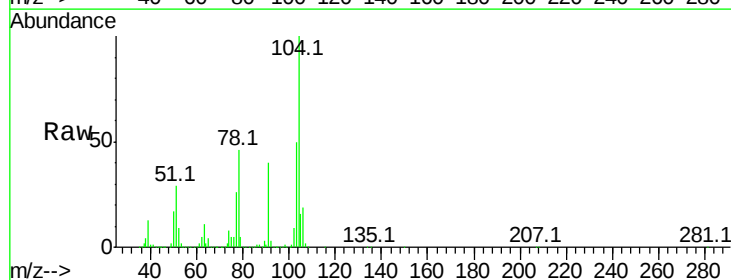
Acq: 20 Feb 2019 12:31

Tgt Ion:104 Resp: 1029803

Ion Ratio Lower Upper

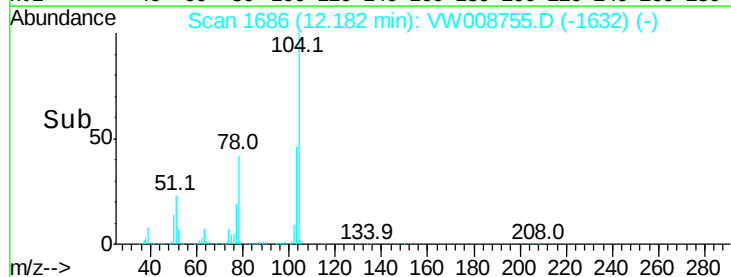
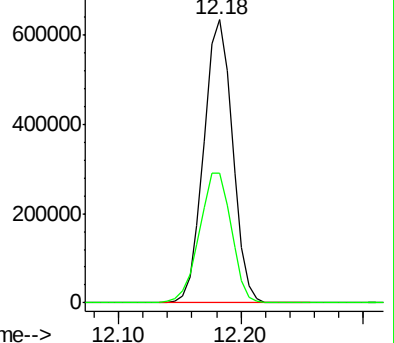
104 100

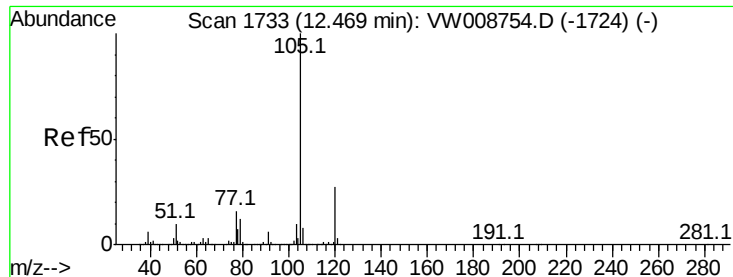
78 45.9 34.6 64.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 50.194 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

Instrument :

MSVOA_W

ClientSampled :

VSTD05004

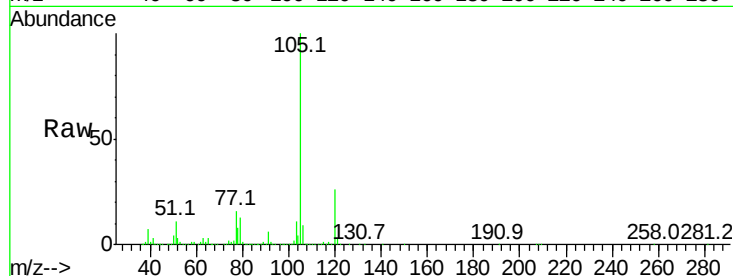
Tgt Ion:105 Resp: 1616059

Ion Ratio Lower Upper

105 100

120 26.5 21.1 31.7

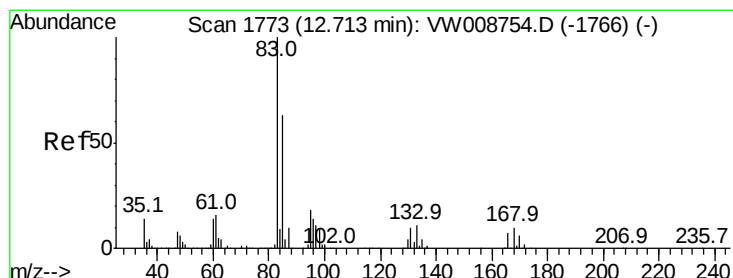
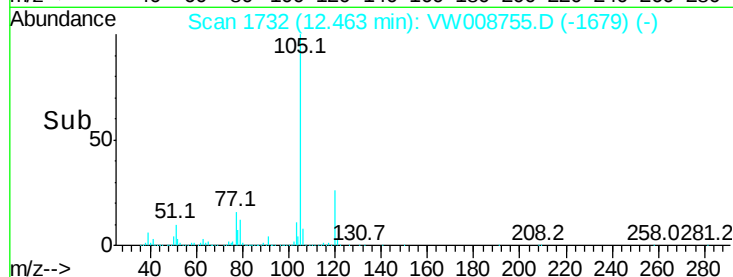
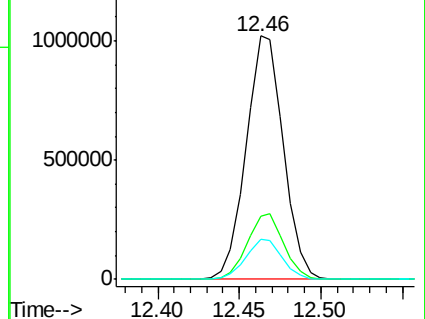
77 16.2 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.516 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

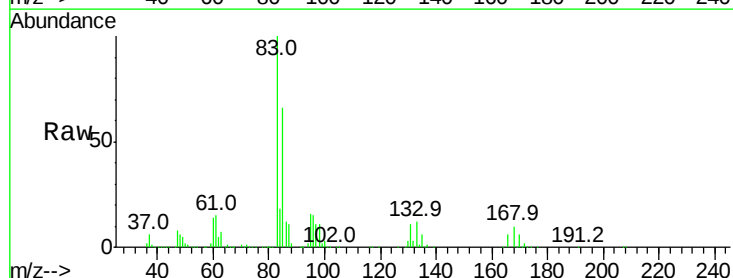
Tgt Ion: 83 Resp: 296035

Ion Ratio Lower Upper

83 100

85 65.7 46.6 86.6

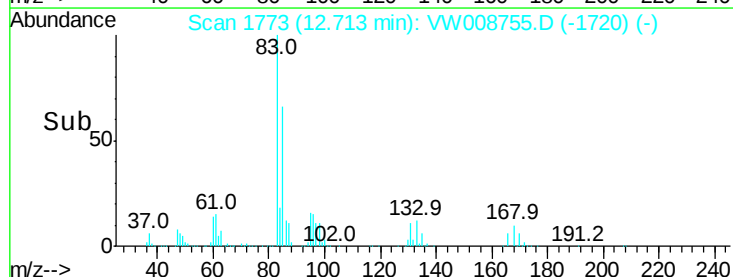
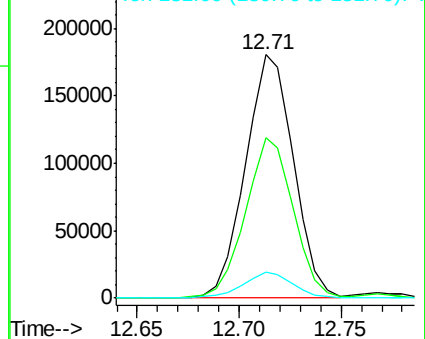
131 10.8 9.7 14.5

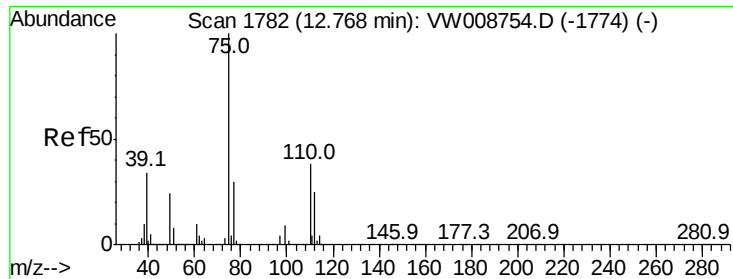


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 44.665 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

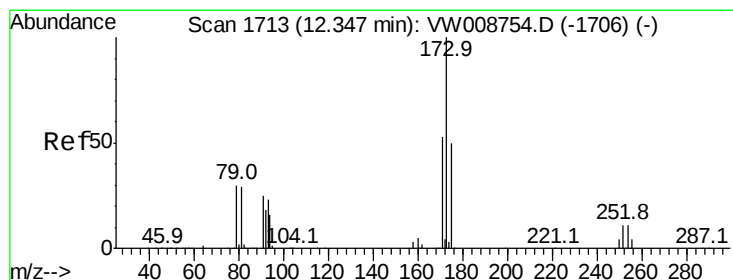
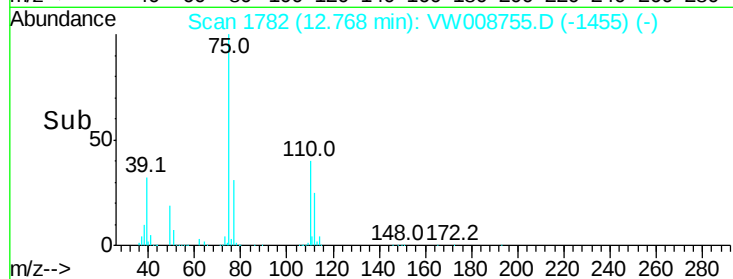
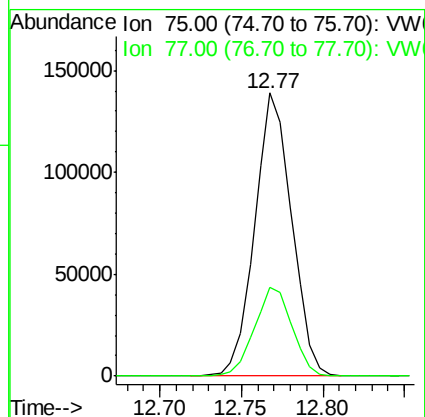
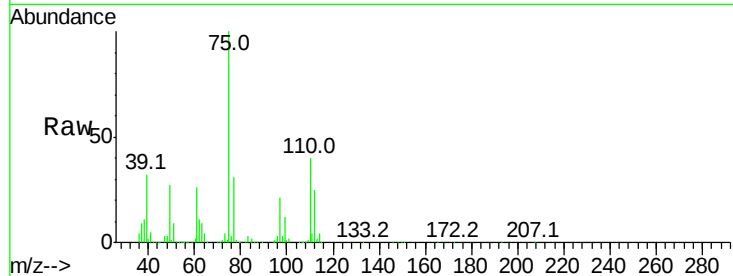
VSTD05004

Tgt Ion: 75 Resp: 219218

Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3



#62

Bromoform

Concen: 45.846 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

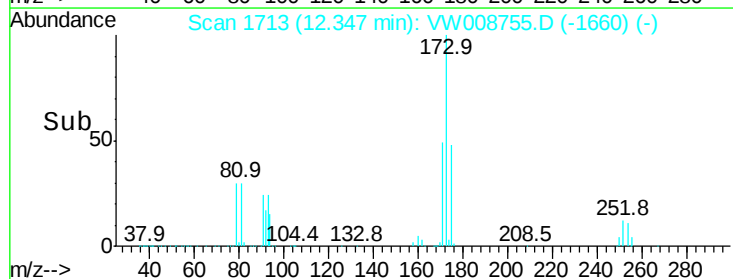
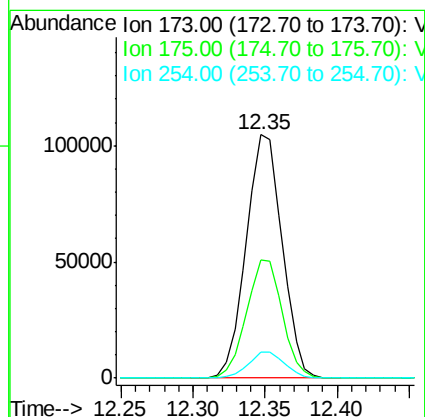
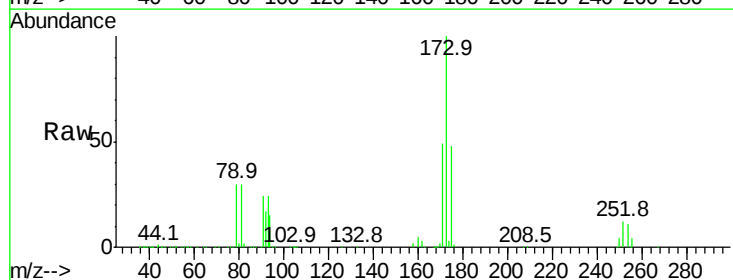
Tgt Ion: 173 Resp: 180607

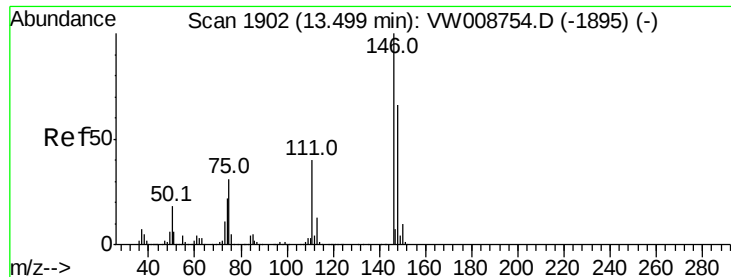
Ion Ratio Lower Upper

173 100

175 48.2 39.0 58.4

254 10.7 5.8 8.8#

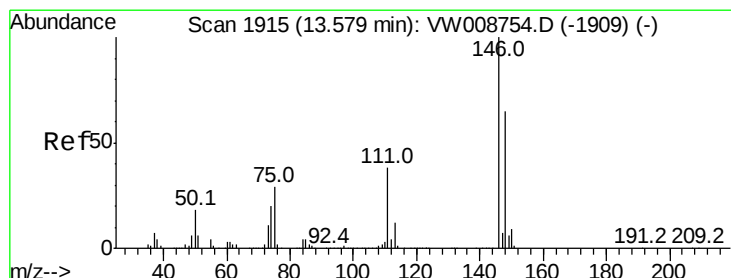
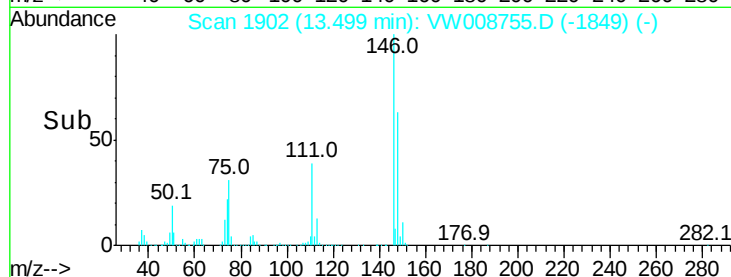
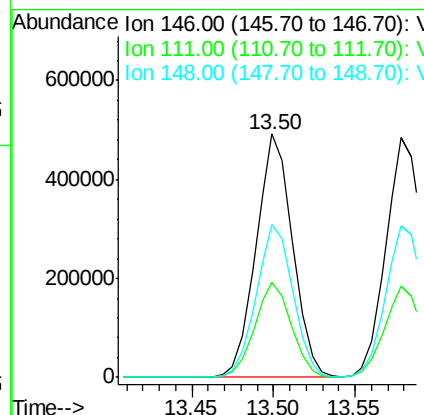
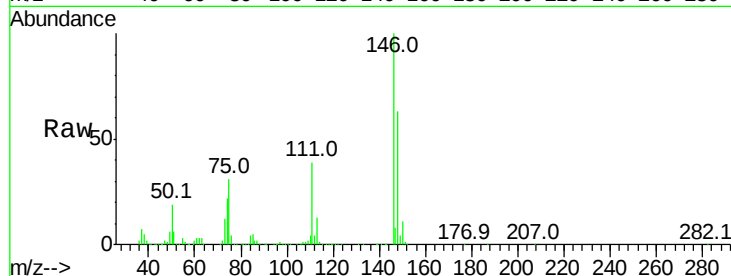




#63
 1,3-Dichlorobenzene
 Concen: 47.723 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008755.D
 Acq: 20 Feb 2019 12:31

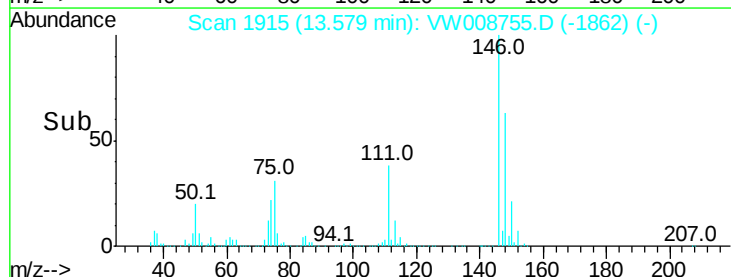
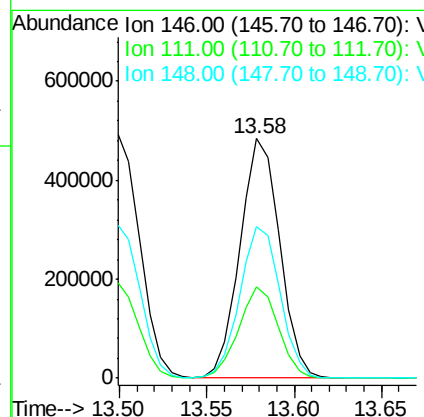
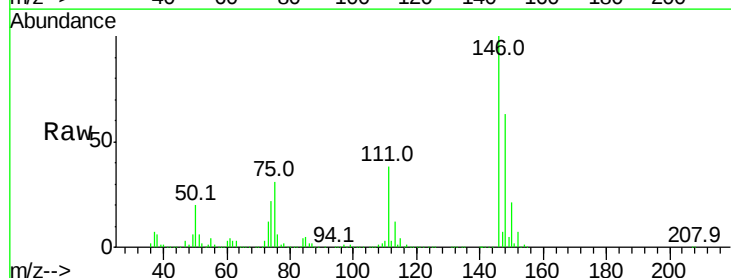
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

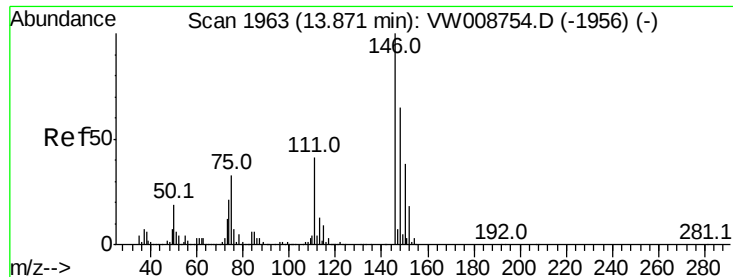
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	31.0	57.6
148	62.9	43.6	81.0



#64
 1,4-Dichlorobenzene
 Concen: 48.312 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008755.D
 Acq: 20 Feb 2019 12:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	26.9	49.9
148	63.3	41.6	77.3





#65

1,2-Dichlorobenzene

Concen: 48.134 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

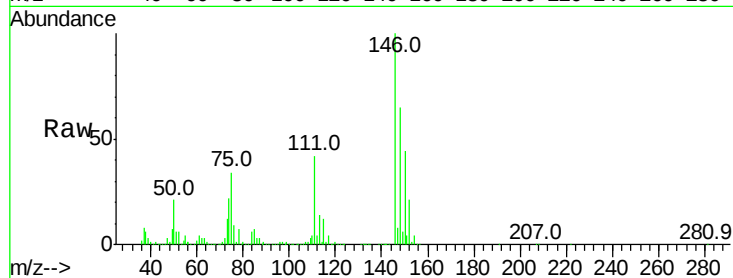
Tgt Ion:146 Resp: 698072

Ion Ratio Lower Upper

146 100

111 41.5 36.4 54.6

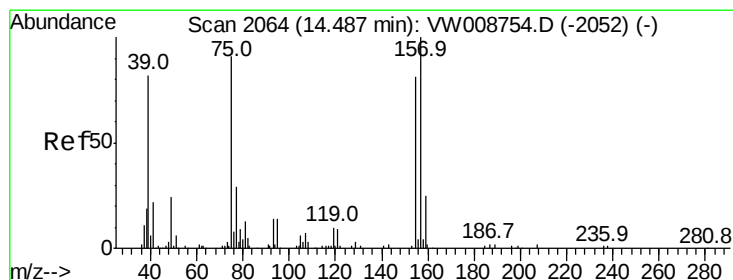
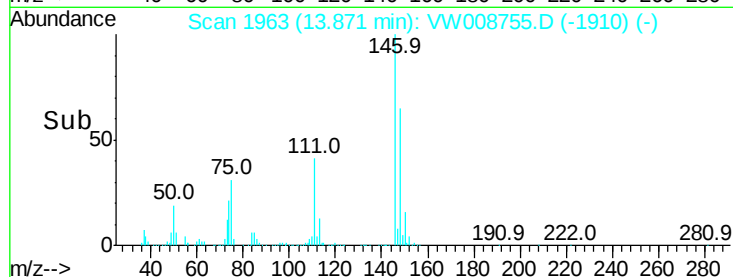
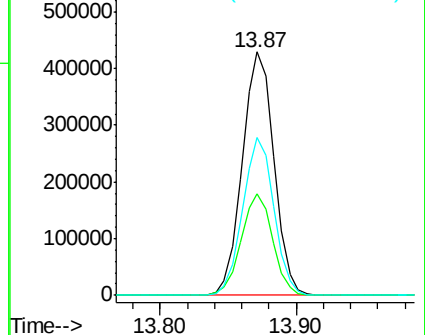
148 64.7 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 39.093 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

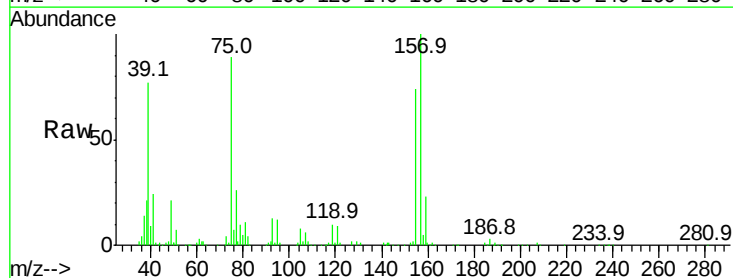
Tgt Ion: 75 Resp: 55896

Ion Ratio Lower Upper

75 100

157 112.8 85.6 128.4

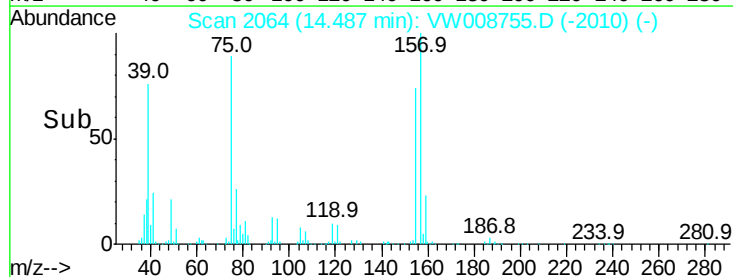
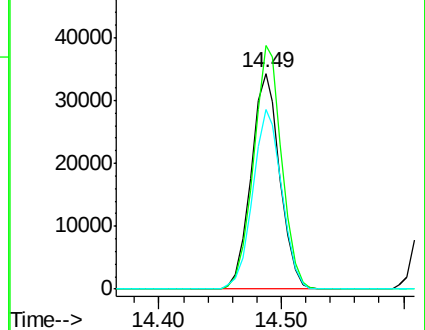
155 83.3 63.4 95.0

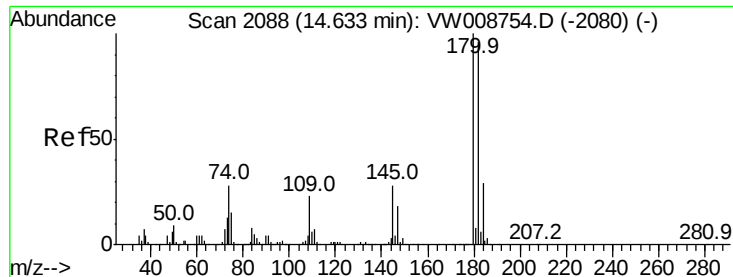


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

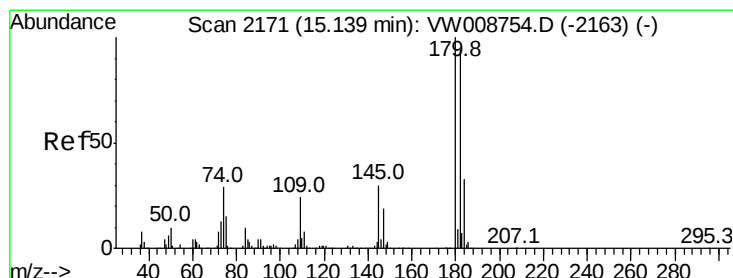
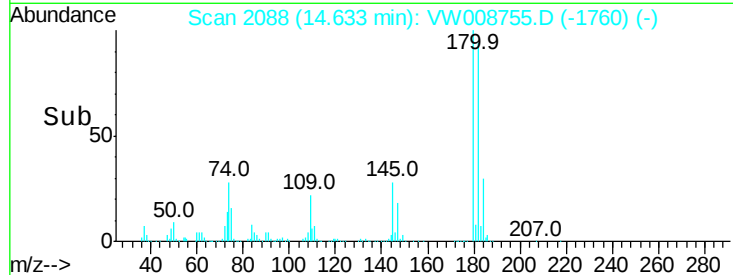
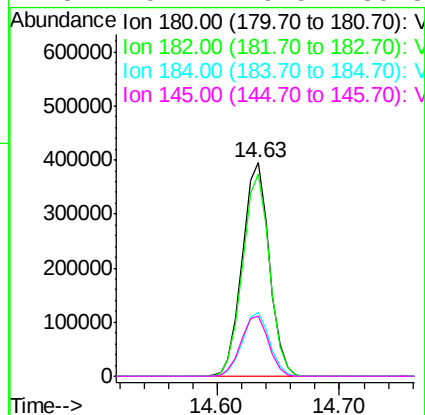
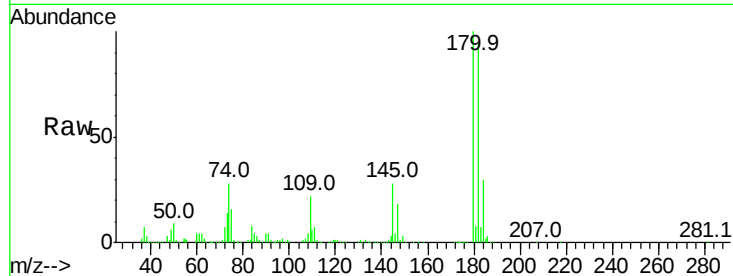




#67
 1,3,5-Trichlorobenzene
 Concen: 51.423 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW008755.D
 Acq: 20 Feb 2019 12:31

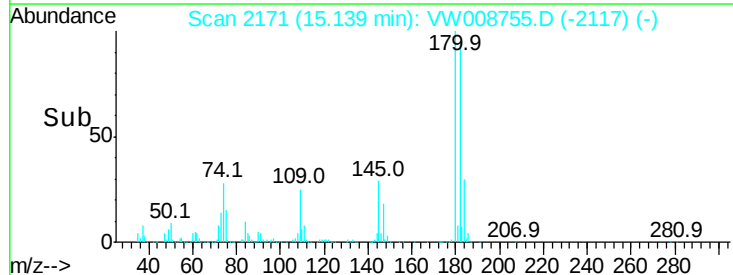
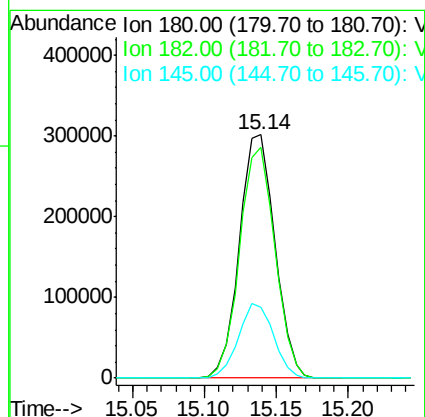
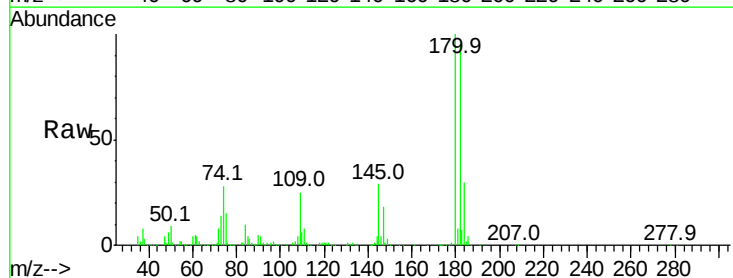
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

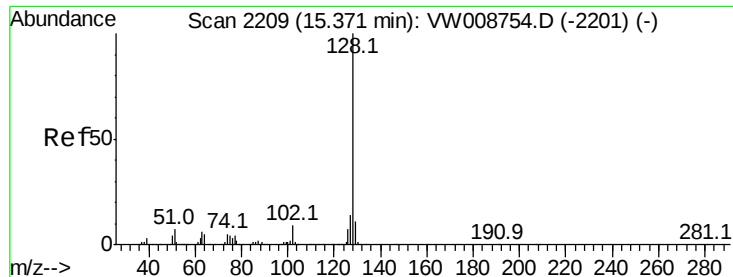
Tgt Ion:	180	Resp:	601702
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.0	112.4
184	30.2	23.5	35.3
145	29.1	26.6	39.8



#68
 1,2,4-trichlorobenzene
 Concen: 51.492 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008755.D
 Acq: 20 Feb 2019 12:31

Tgt Ion:	180	Resp:	517179
Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.0	115.6
145	30.2	27.9	41.9





#69

Naphthalene

Concen: 45.553 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

Instrument :

MSVOA_W

ClientSampled :

VSTD05004

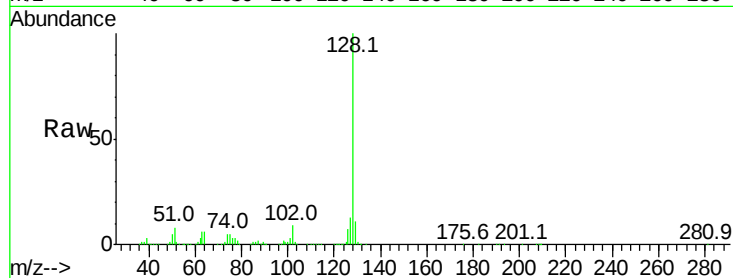
Tgt Ion:128 Resp: 1035681

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

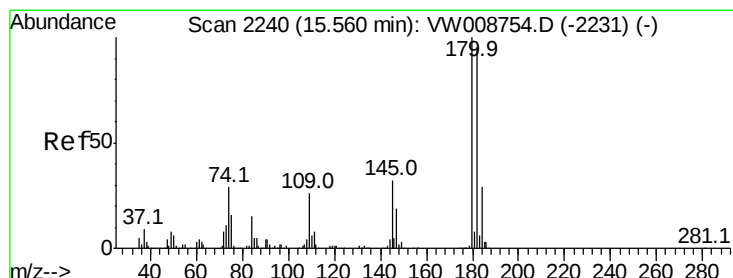
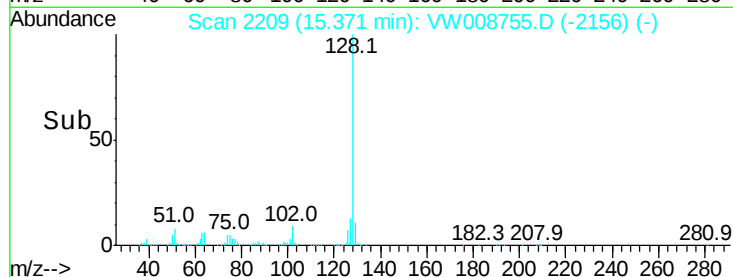
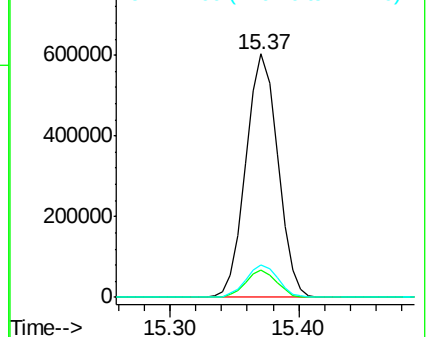
127 13.5 11.1 16.7



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: 52.114 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW008755.D

Acq: 20 Feb 2019 12:31

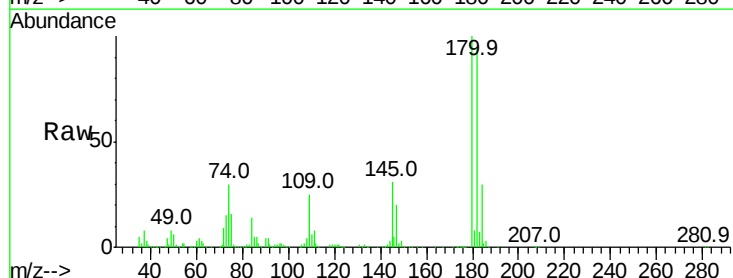
Tgt Ion:180 Resp: 463369

Ion Ratio Lower Upper

180 100

182 95.7 75.8 113.6

145 31.6 29.4 44.2



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

