

Data File : VW013618.D
Acq On : 18 Oct 2019 11:42
Operator : SY/VA
Sample : VSTD10025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

Quant Time: Oct 18 12:07:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 18 11:37:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	326791	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	318907	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	184290	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	417430	111.62	ug/L	0.00
7) Chloroethane-d5	2.89	69	368103	128.19	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	897321	115.59	ug/L	0.00
20) 2-Butanone-d5	7.07	46	292660	259.78	ug/L	0.00
24) Chloroform-d	7.65	84	914842	128.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	460768	125.28	ug/L	0.00
29) Benzene-d6	8.27	84	1875223	109.78	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	573759	113.21	ug/L	0.00
37) Toluene-d8	10.32	98	1771948	109.28	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	263201	116.57	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	235637	232.43	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	461756	113.64	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	641541	96.87	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	372588	209.237	ug/L	97
3) Chloromethane	2.22	50	421308	134.656	ug/L	99
5) Vinyl chloride	2.37	62	516119	116.596	ug/L	100
6) Bromomethane	2.78	94	348780	128.637	ug/L	99
8) Chloroethane	2.92	64	320907	129.247	ug/L	99
9) Trichlorofluoromethane	3.26	101	371728	161.085	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	507493	123.916	ug/L	99
12) 1,1-Dichloroethene	4.04	96	528326	128.791	ug/L	95
13) Acetone	4.12	43	241698	186.664	ug/L	97
14) Carbon disulfide	4.39	76	1566693	125.149	ug/L	99
15) Methyl Acetate	4.67	43	252871	125.196	ug/L	99
16) Methylene chloride	4.92	84	528821	106.838	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	675431	102.459	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	562174	128.423	ug/L	93
19) 1,1-Dichloroethane	6.21	63	949114	129.139	ug/L	97
21) 2-Butanone	7.17	43	357812	225.887	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	610710	130.441	ug/L	98
23) Bromochloromethane	7.51	128	272056	129.773	ug/L	96
25) Chloroform	7.68	83	938863	129.490	ug/L	99
27) 1,2-Dichloroethane	8.40	62	596562	130.090	ug/L	96
30) Cyclohexane	7.96	56	951006	113.415	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	728945	113.487	ug/L	99
32) Carbon tetrachloride	8.07	117	719493	116.778	ug/L	99
34) Benzene	8.32	78	2209692	114.693	ug/L	100
35) Trichloroethene	9.09	95	580253	115.463	ug/L	99
36) Methylcyclohexane	9.34	83	1034015	113.146	ug/L	99
40) 1,2-Dichloropropane	9.37	63	539442	116.228	ug/L	100
41) Bromodichloromethane	9.65	83	690229	121.080	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	902165	121.165	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	710507	219.407	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	2411090	115.478	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	721160	122.660	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	408053	115.821	ug/L	98
47) Tetrachloroethene	10.86	164	521746	113.914	ug/L	98
49) 2-Hexanone	10.97	43	514022	218.404	ug/L	98
50) Dibromochloromethane	11.13	129	516785	124.582	ug/L	97
51) 1,2-Dibromoethane	11.23	107	408526	118.042	ug/L	100
52) Chlorobenzene	11.66	112	1529380	115.412	ug/L	99
53) Ethylbenzene	11.73	91	2674206	115.707	ug/L	99
54) m,p-Xylene	11.83	106	1038608	115.196	ug/L	100
55) o-xylene	12.16	106	985495	117.098	ug/L	98
56) Styrene	12.18	104	1723651	120.258	ug/L	98
57) Isopropylbenzene	12.46	105	2651920	116.158	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	473000	113.634	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	348424	112.101	ug/L	99
62) Bromoform	12.35	173	322156	108.684	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	1227511	99.400	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1218362	99.113	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	1092878	98.426	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	75446	98.423	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	921702	98.888	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	811380	105.027	ug/L	99
69) Naphthalene	15.36	128	1522699	108.214	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	717529	104.304	ug/L	99

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

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ClientSampleId :
VSTD10001

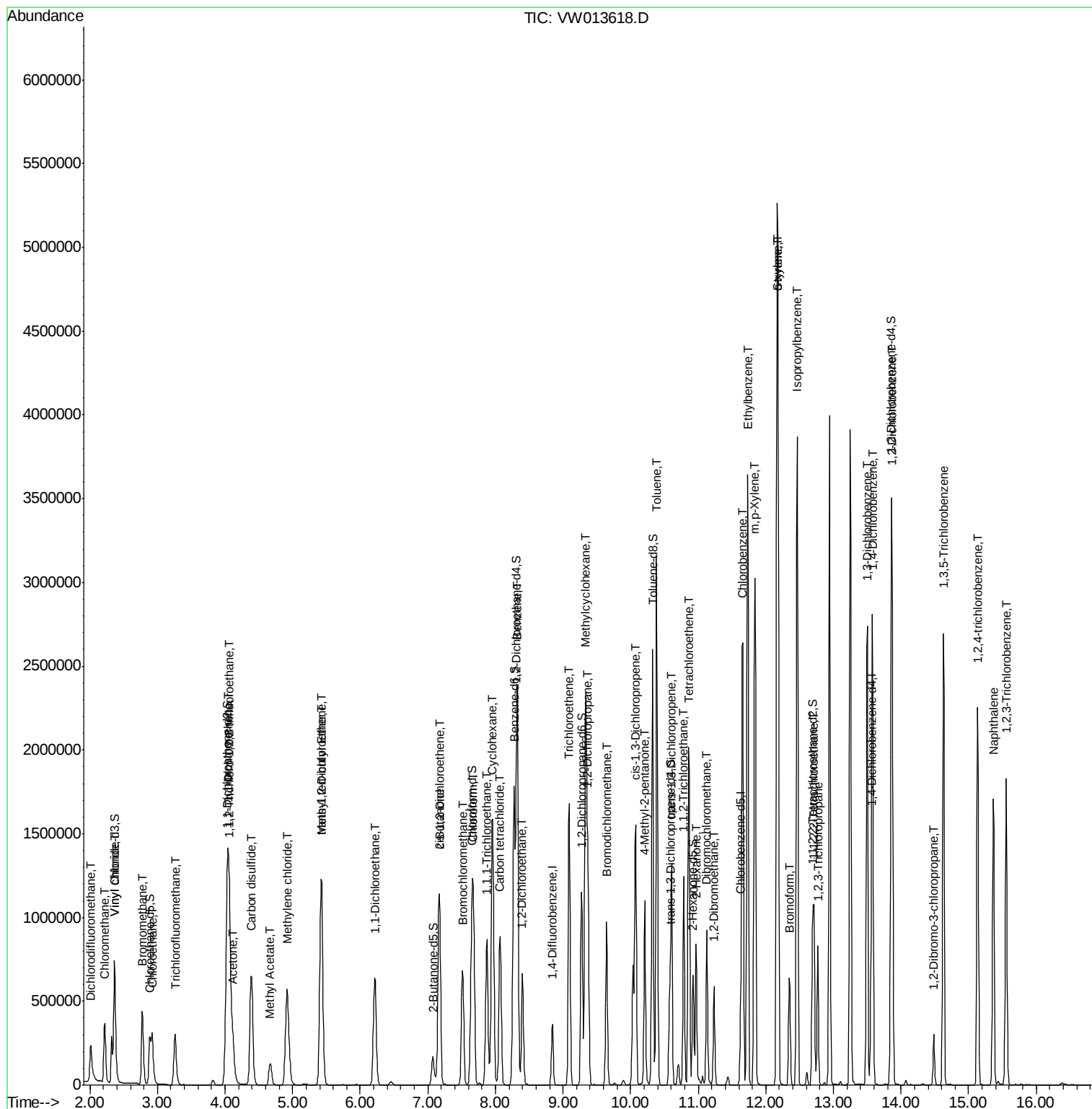
Quant Time: Oct 18 12:07:37 2019

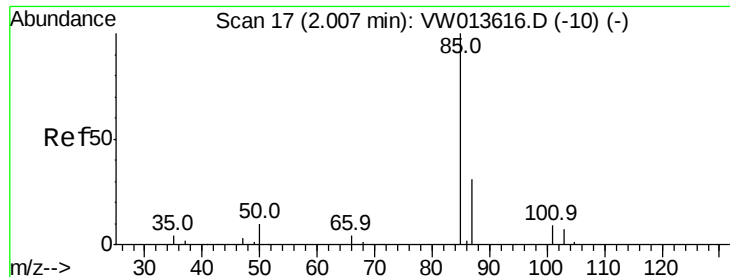
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 209.237 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

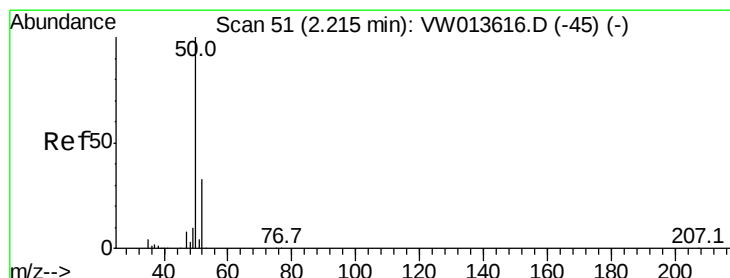
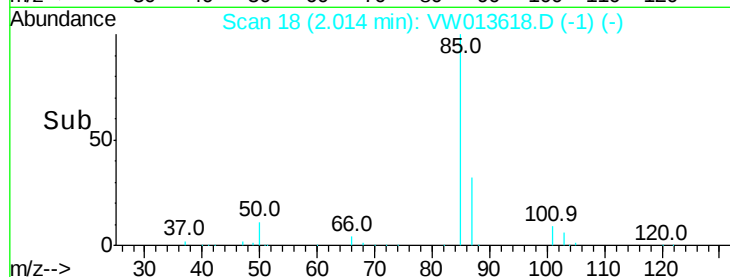
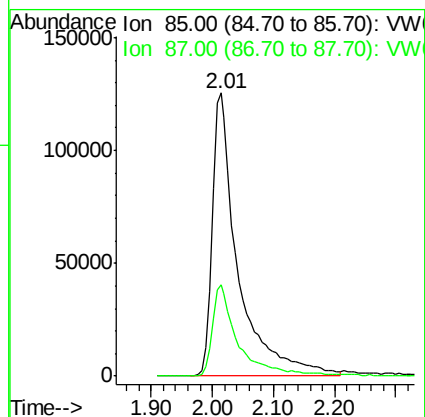
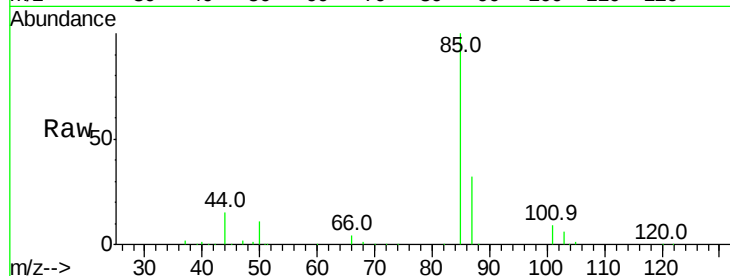
VSTD10001

Tgt Ion: 85 Resp: 372588

Ion Ratio Lower Upper

85 100

87 30.4 20.2 37.4



#3

Chloromethane

Concen: 134.656 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW013618.D

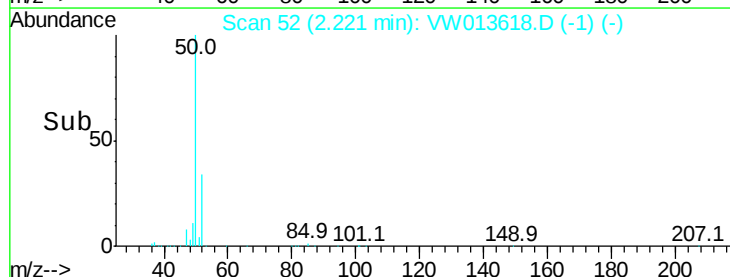
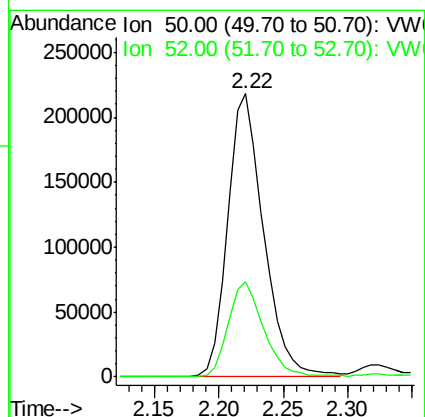
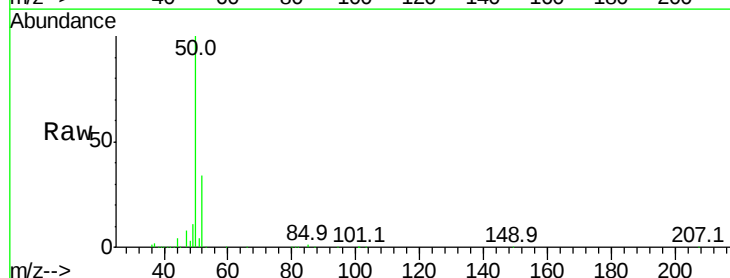
Acq: 18 Oct 2019 11:42

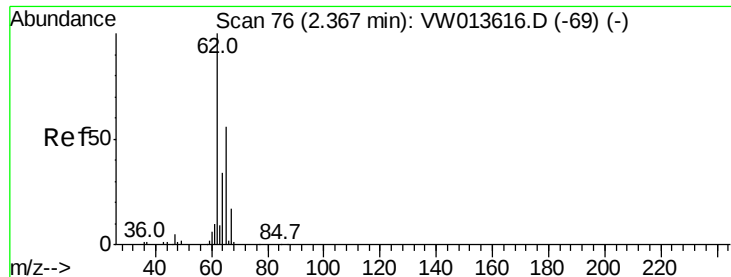
Tgt Ion: 50 Resp: 421308

Ion Ratio Lower Upper

50 100

52 33.7 23.3 43.3





#5

Vinyl chloride

Concen: 116.596 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

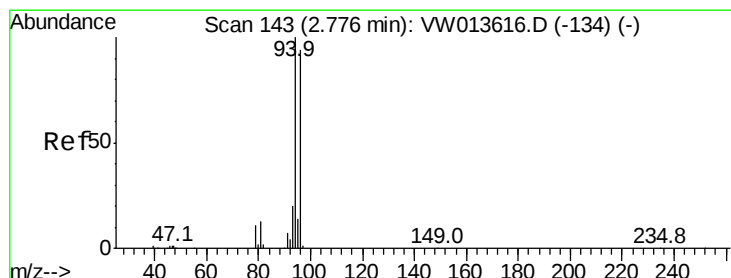
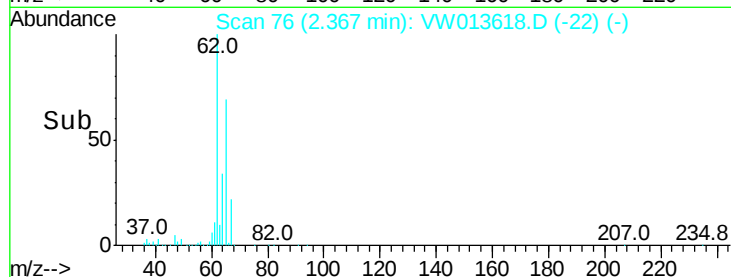
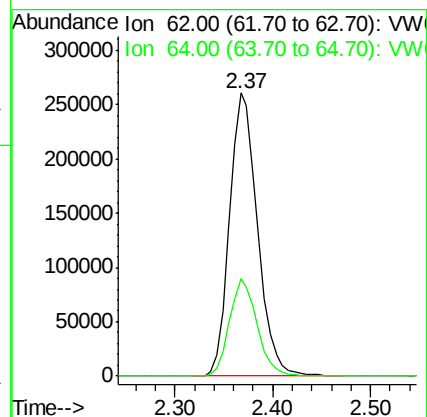
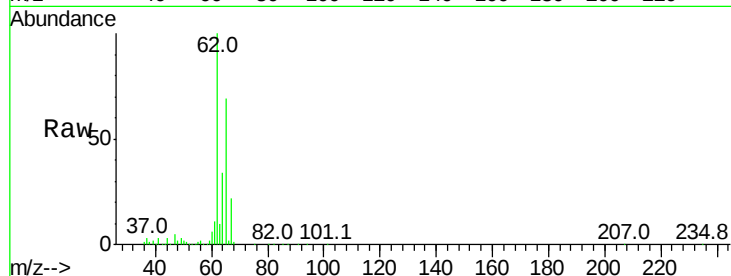
VSTD10001

Tgt Ion: 62 Resp: 516119

Ion Ratio Lower Upper

62 100

64 34.4 23.9 44.5



#6

Bromomethane

Concen: 128.637 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013618.D

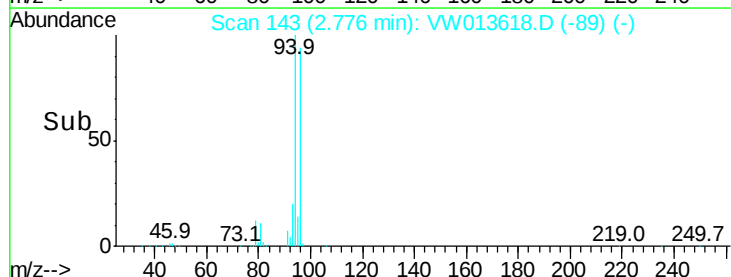
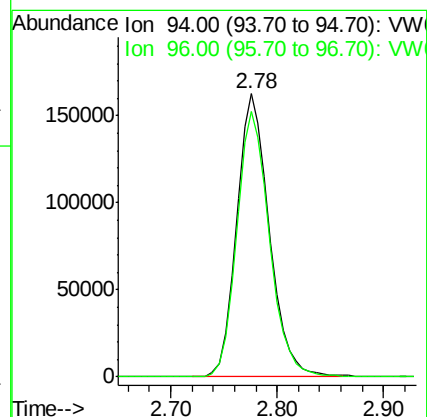
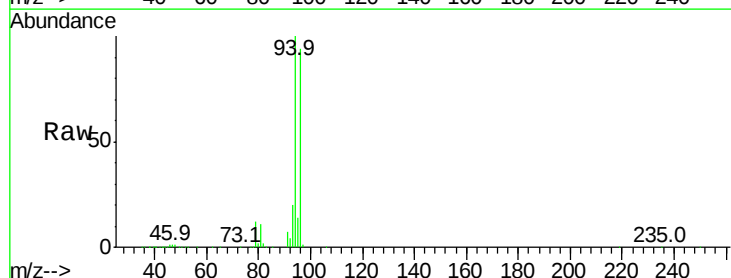
Acq: 18 Oct 2019 11:42

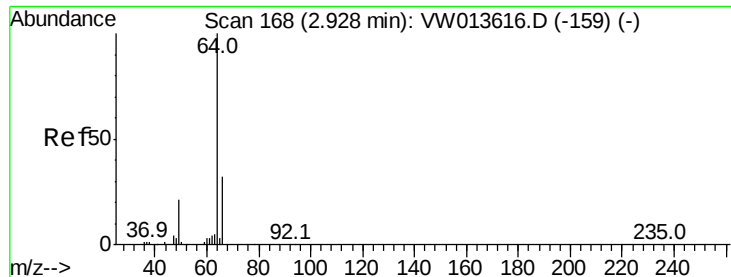
Tgt Ion: 94 Resp: 348780

Ion Ratio Lower Upper

94 100

96 94.3 9.3 176.9





#8

Chloroethane

Concen: 129.247 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

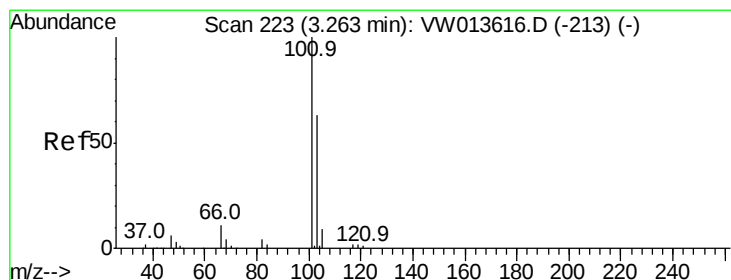
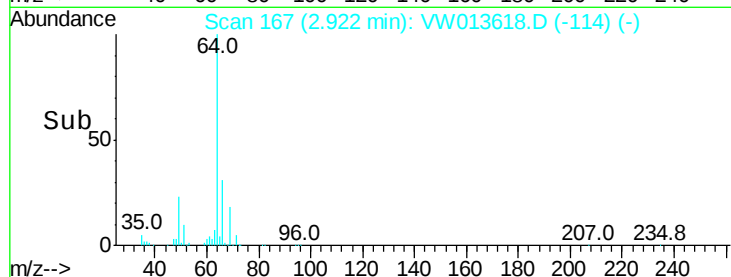
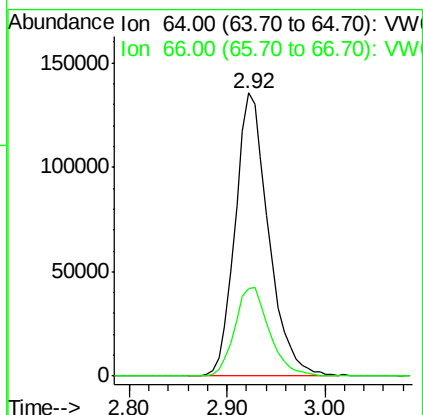
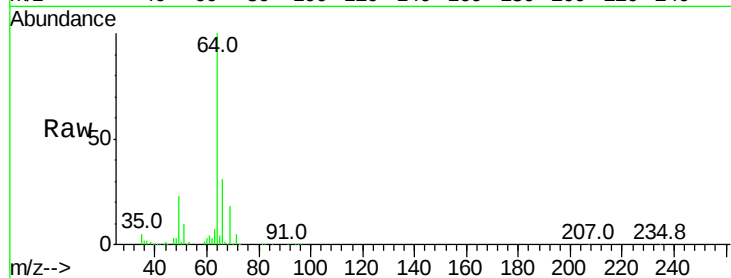
VSTD10001

Tgt Ion: 64 Resp: 320907

Ion Ratio Lower Upper

64 100

66 31.1 22.2 41.2



#9

Trichlorofluoromethane

Concen: 161.085 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW013618.D

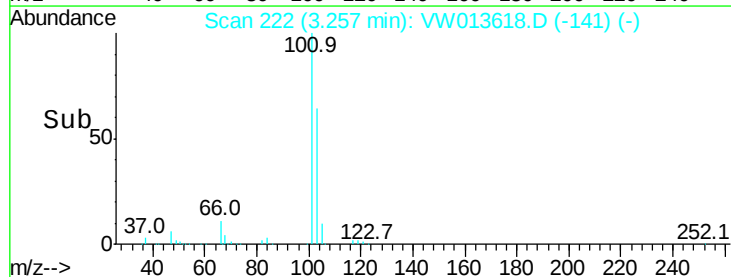
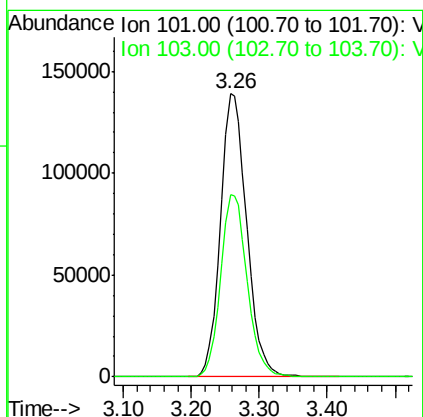
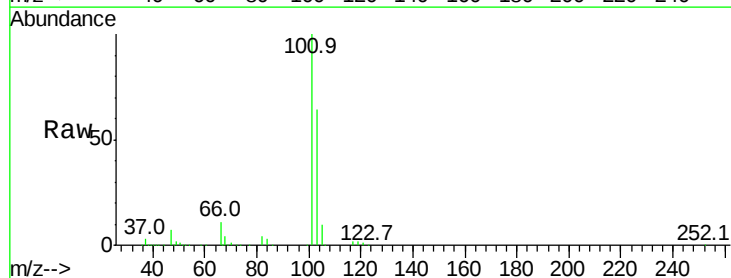
Acq: 18 Oct 2019 11:42

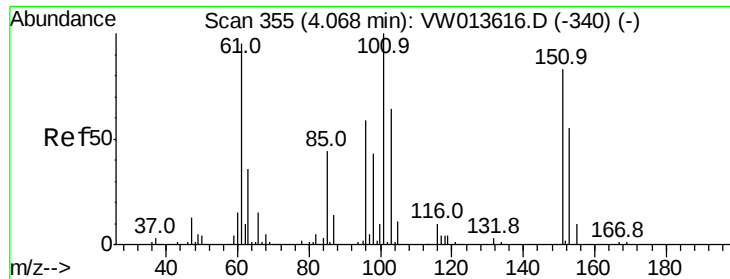
Tgt Ion: 101 Resp: 371728

Ion Ratio Lower Upper

101 100

103 64.8 46.5 86.5





#11

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

Concen: 123.916 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

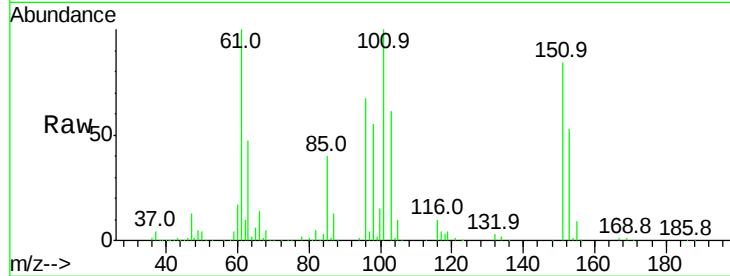
Tgt Ion: 101 Resp: 507493

Ion Ratio Lower Upper

101 100

85 39.9 32.0 48.0

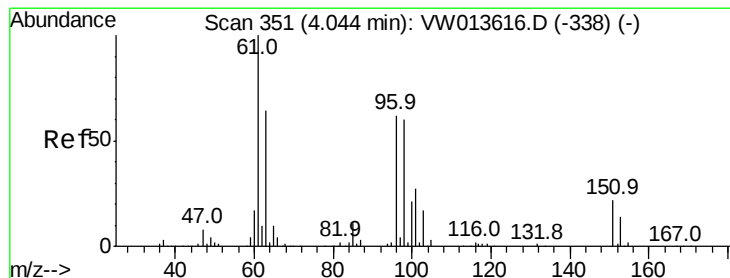
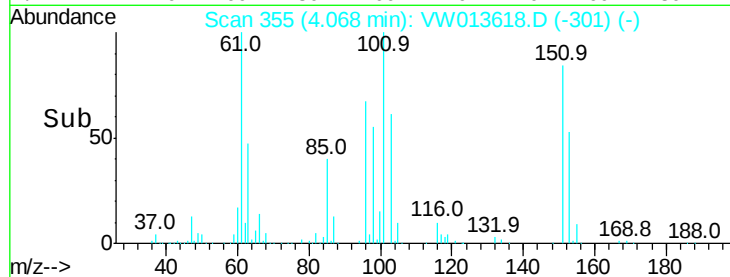
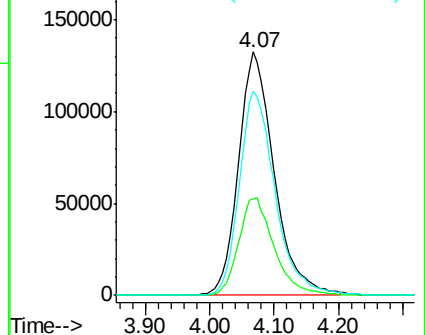
151 84.3 66.9 100.3



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: 128.791 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

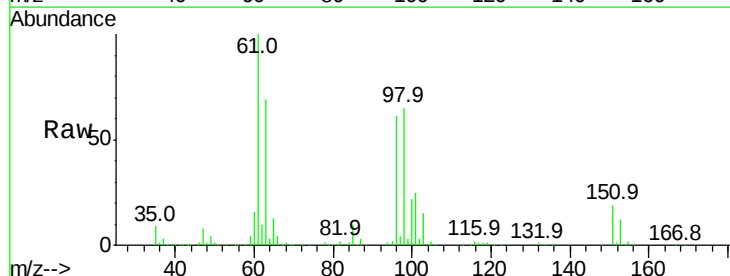
Tgt Ion: 96 Resp: 528326

Ion Ratio Lower Upper

96 100

61 163.3 112.7 209.3

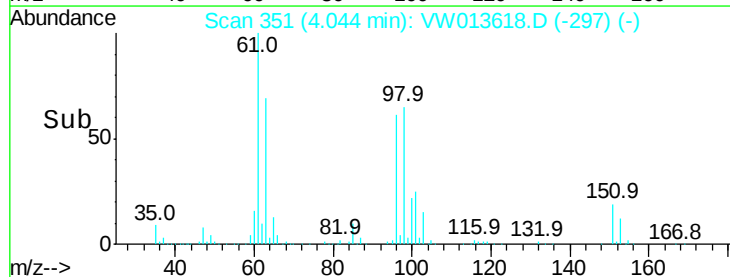
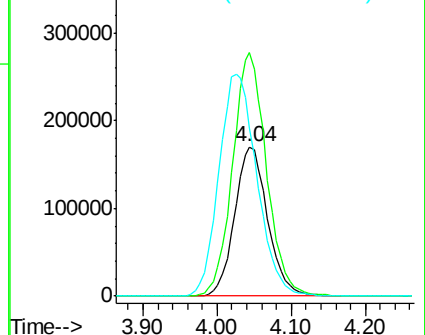
63 113.1 72.8 135.2

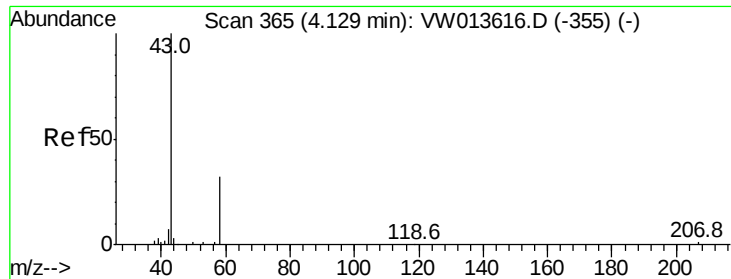


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 186.664 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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ClientSampleId :

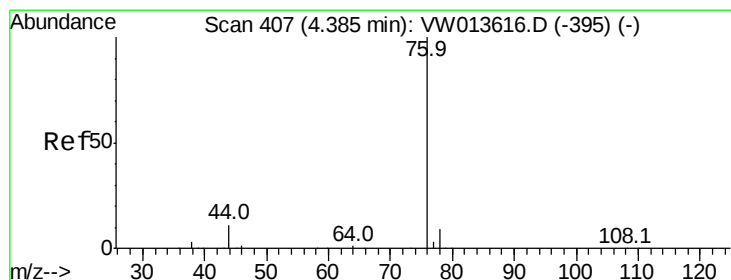
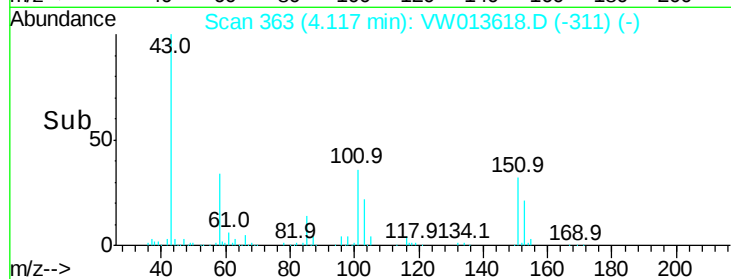
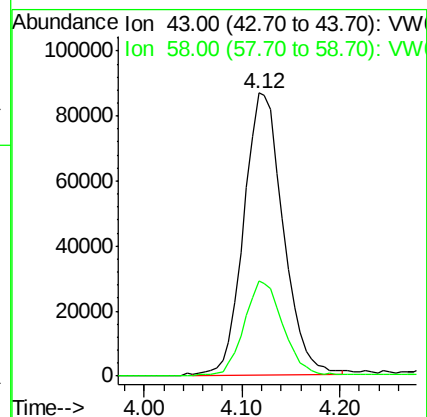
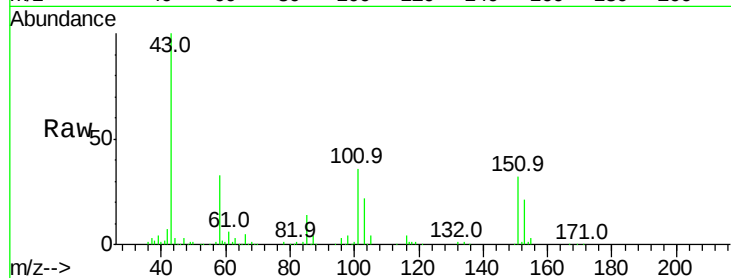
VSTD10001

Tgt Ion: 43 Resp: 241698

Ion Ratio Lower Upper

43 100

58 33.5 0.0 70.4



#14

Carbon disulfide

Concen: 125.149 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013618.D

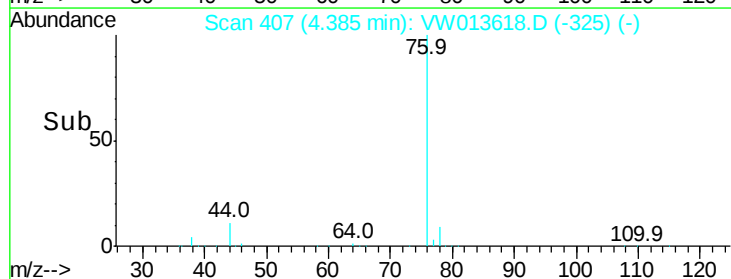
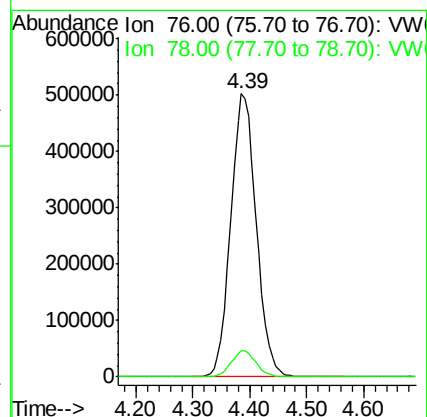
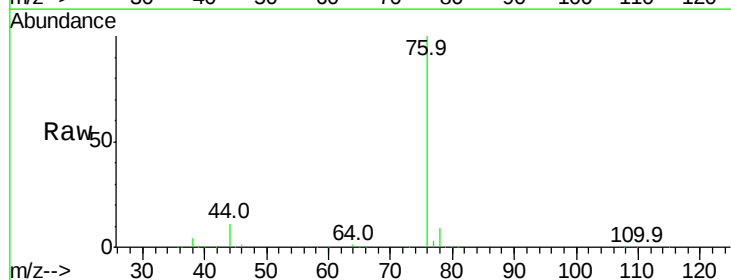
Acq: 18 Oct 2019 11:42

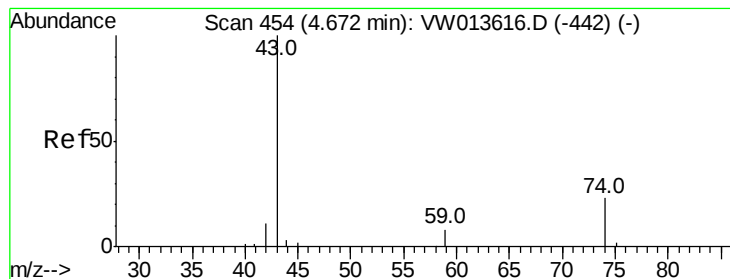
Tgt Ion: 76 Resp: 1566693

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7





#15

Methyl Acetate

Concen: 125.196 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

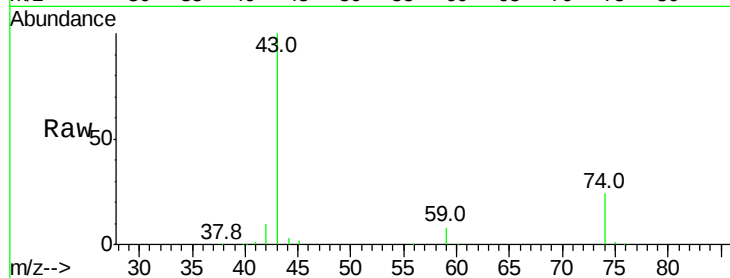
VSTD10001

Tgt Ion: 43 Resp: 252871

Ion Ratio Lower Upper

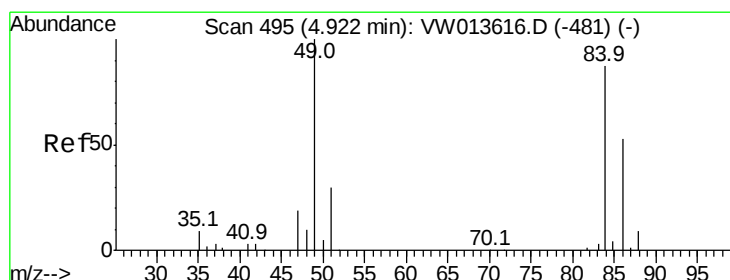
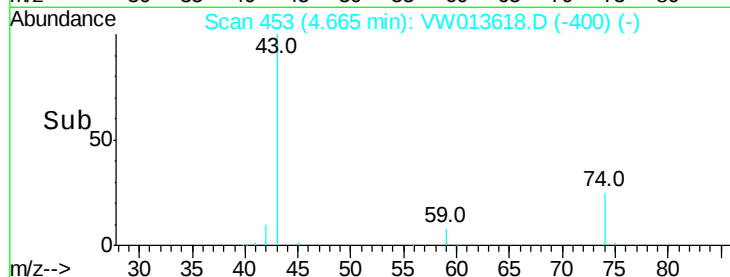
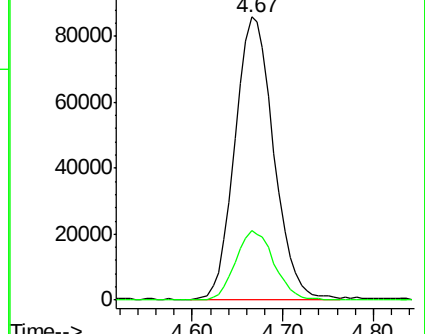
43 100

74 24.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 106.838 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

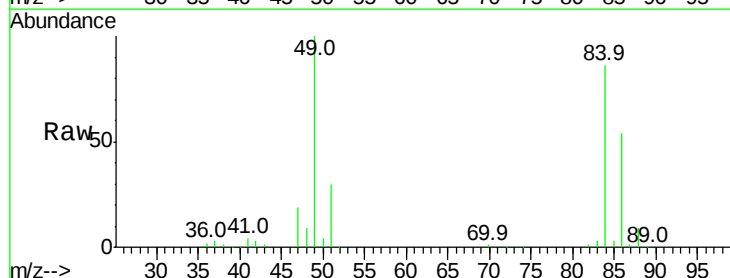
Tgt Ion: 84 Resp: 528821

Ion Ratio Lower Upper

84 100

49 116.7 80.2 148.9

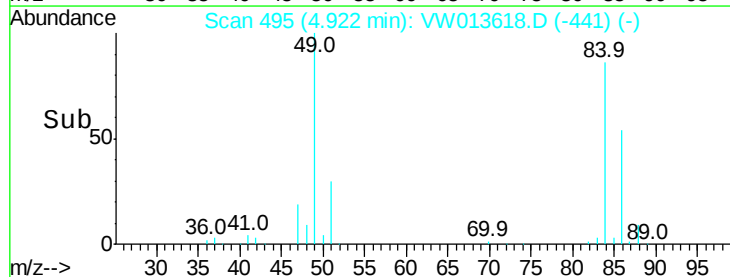
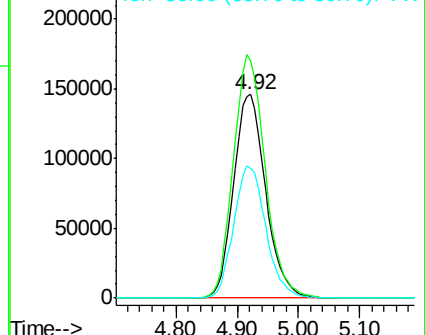
86 63.4 42.7 79.3

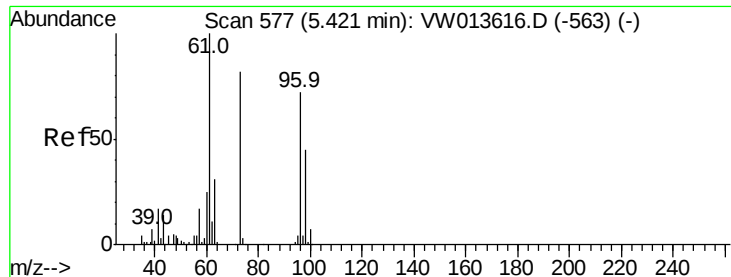


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 102.459 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

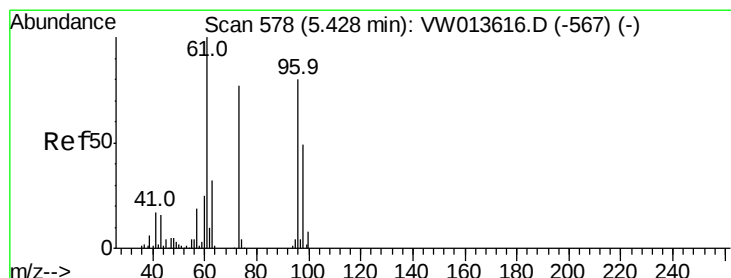
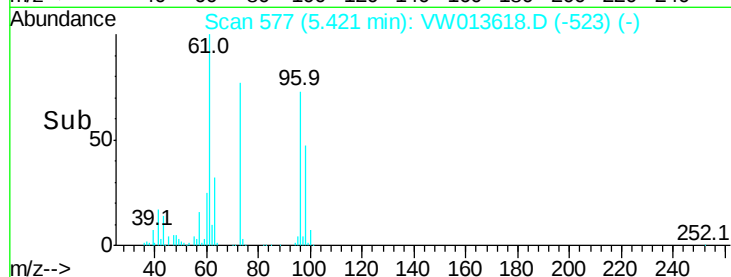
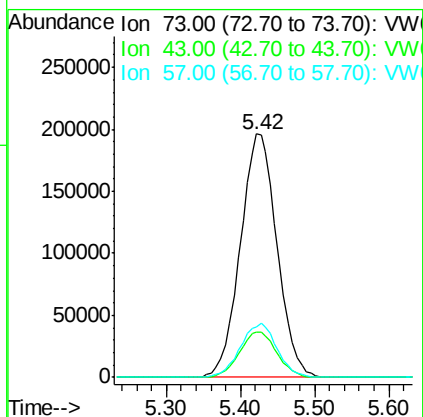
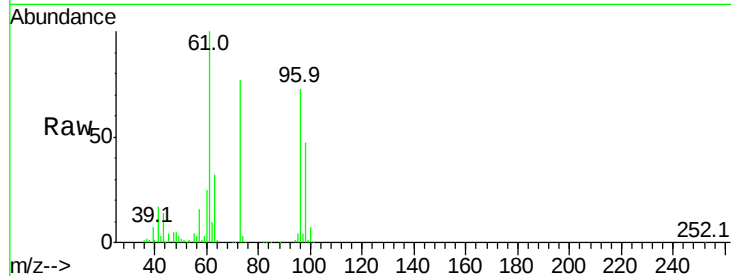
Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampled :
VSTD10001

Tgt Ion: 73 Resp: 675431

Ion	Ratio	Lower	Upper
73	100		
43	19.0	15.4	23.2
57	22.1	17.7	26.5



#18

trans-1,2-Dichloroethene

Concen: 128.423 ug/L

RT: 5.42 min Scan# 577

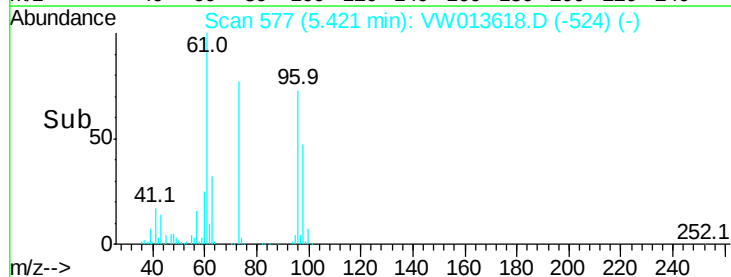
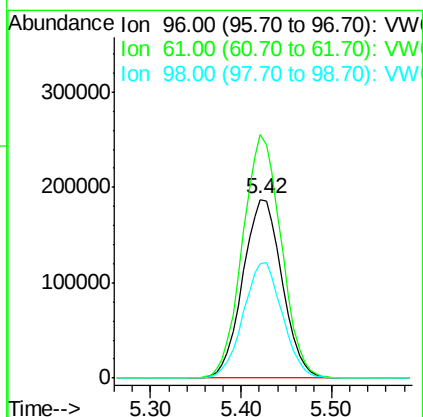
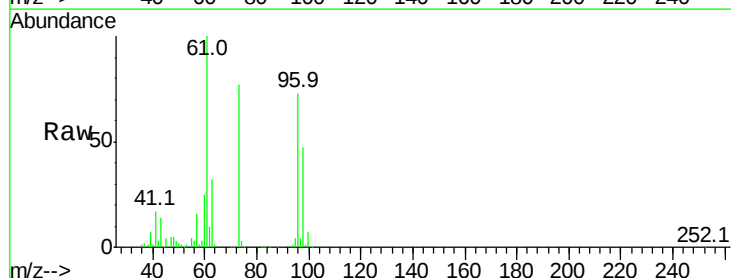
Delta R.T. -0.01 min

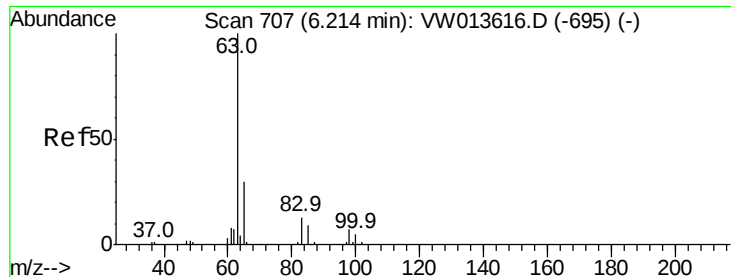
Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Tgt Ion: 96 Resp: 562174

Ion	Ratio	Lower	Upper
96	100		
61	136.1	88.4	164.2
98	64.1	43.0	79.8

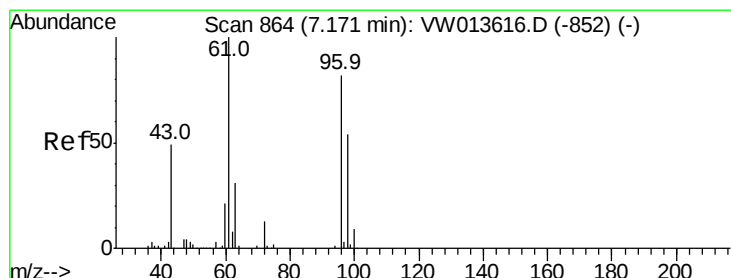
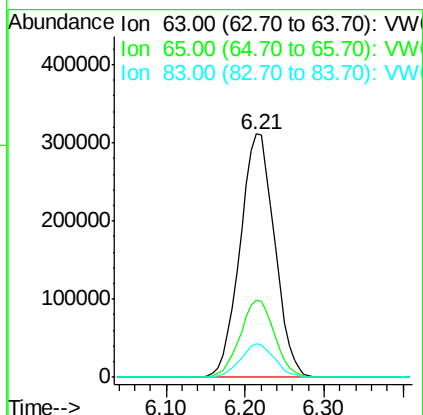
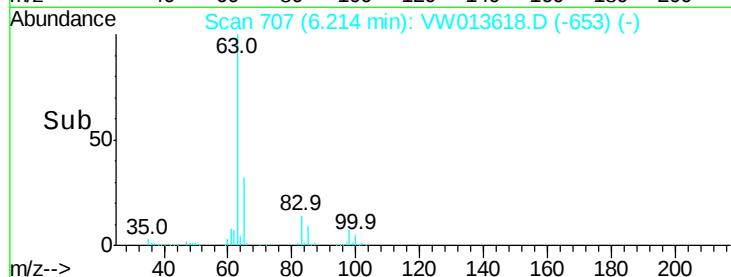
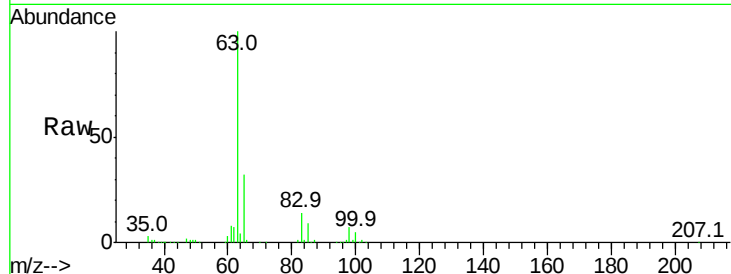




#19
 1,1-Dichloroethane
 Concen: 129.139 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013618.D
 Acq: 18 Oct 2019 11:42

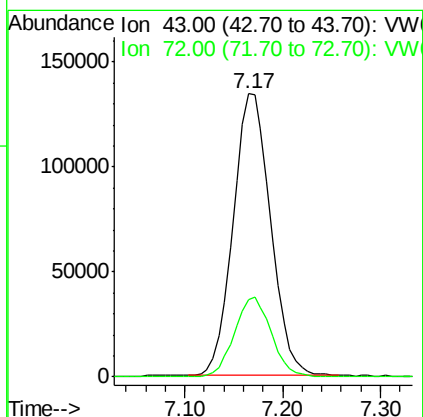
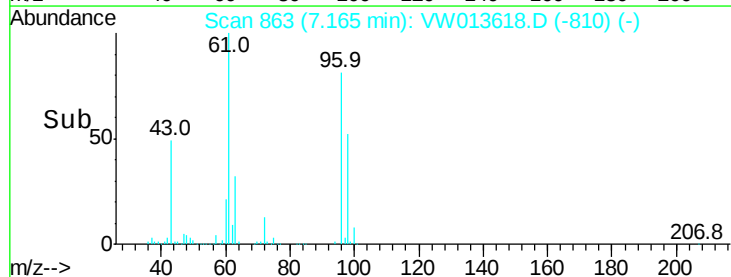
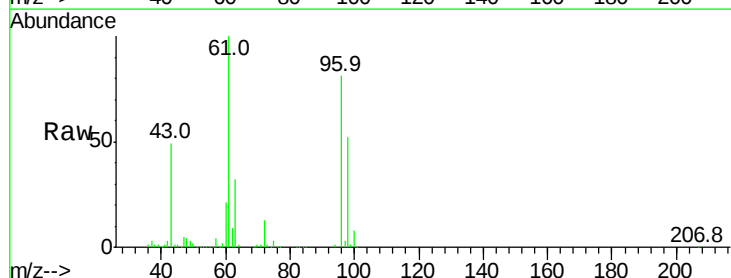
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

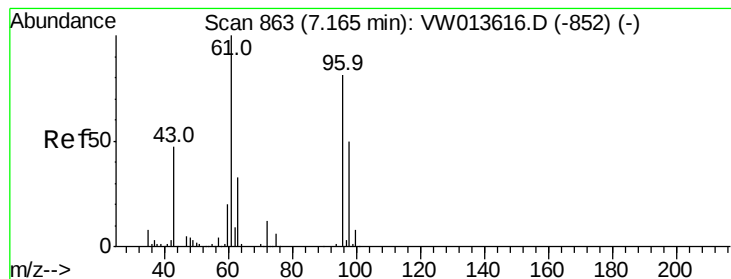
Tgt Ion: 63 Resp: 949114
 Ion Ratio Lower Upper
 63 100
 65 31.6 20.9 38.7
 83 13.6 9.2 17.2



#21
 2-Butanone
 Concen: 225.887 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013618.D
 Acq: 18 Oct 2019 11:42

Tgt Ion: 43 Resp: 357812
 Ion Ratio Lower Upper
 43 100
 72 27.8 13.7 41.1



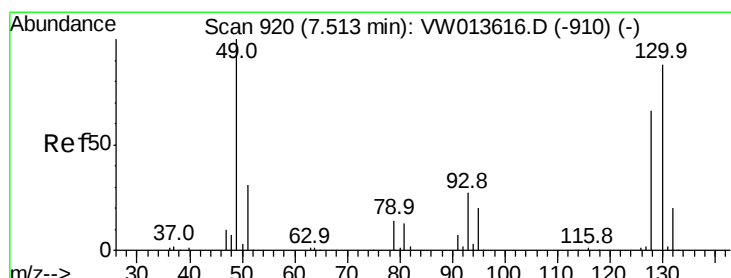
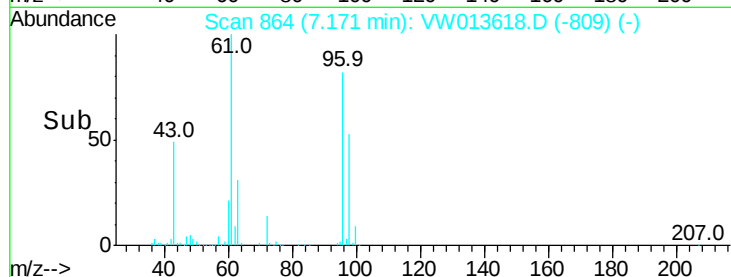
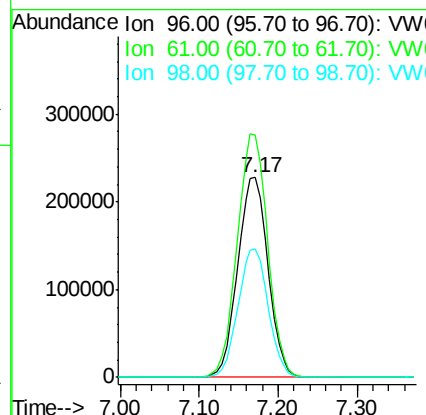
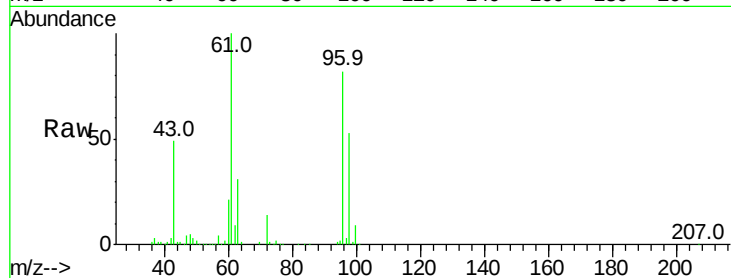


#22

cis-1,2-Dichloroethene
 Concen: 130.441 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013618.D
 Acq: 18 Oct 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

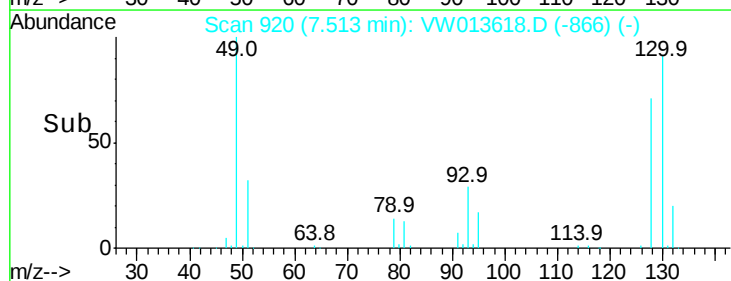
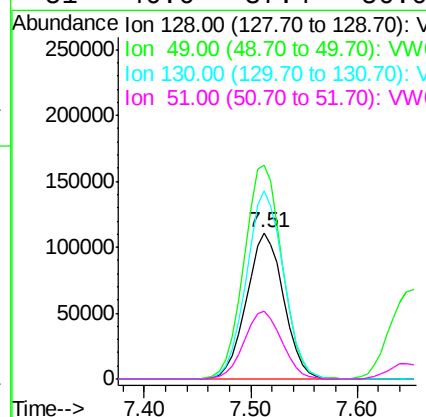
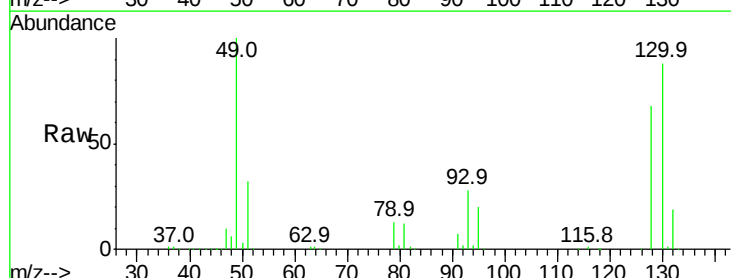
Tgt Ion: 96 Resp: 610710
 Ion Ratio Lower Upper
 96 100
 61 121.5 86.2 160.0
 98 64.3 43.0 79.8

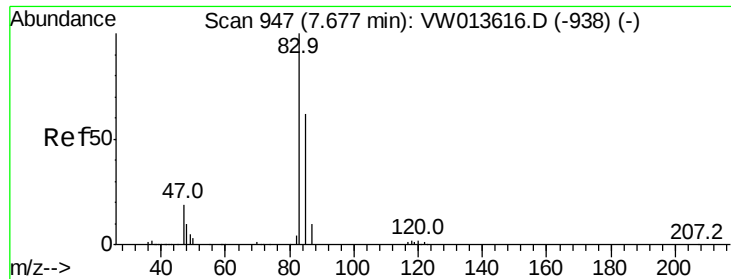


#23

Bromochloromethane
 Concen: 129.773 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW013618.D
 Acq: 18 Oct 2019 11:42

Tgt Ion: 128 Resp: 272056
 Ion Ratio Lower Upper
 128 100
 49 146.1 106.3 197.3
 130 128.7 93.2 173.2
 51 46.6 37.4 56.0





#25

Chloroform

Concen: 129.490 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

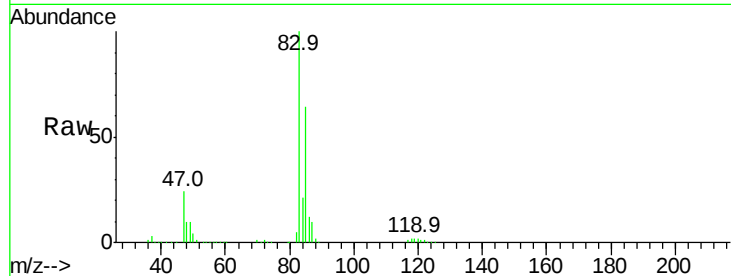
VSTD10001

Tgt Ion: 83 Resp: 938863

Ion Ratio Lower Upper

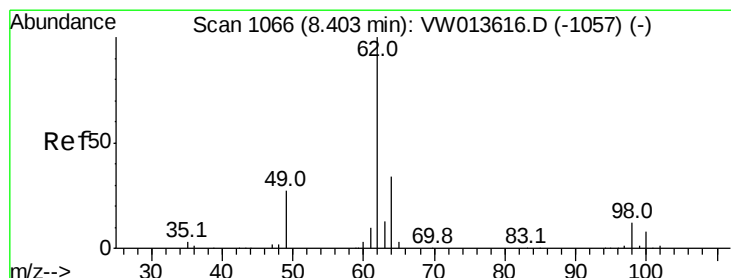
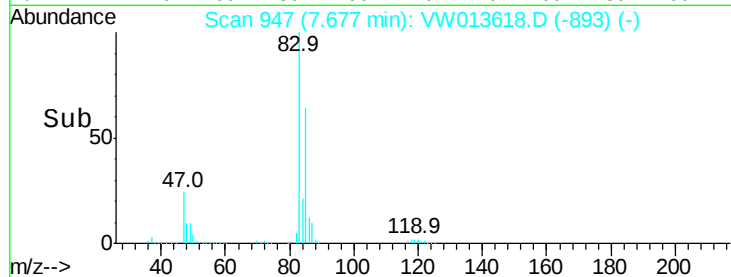
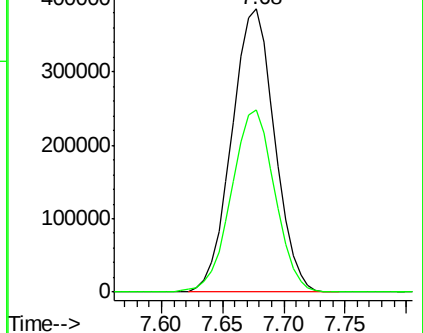
83 100

85 65.2 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 130.090 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW013618.D

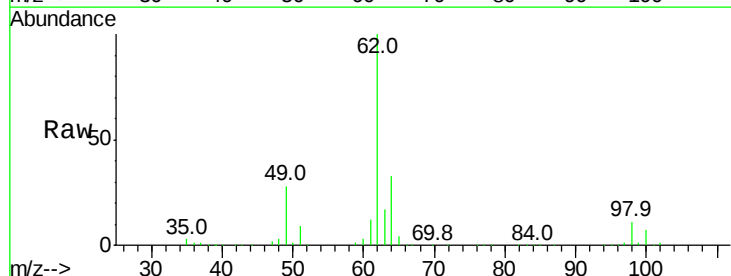
Acq: 18 Oct 2019 11:42

Tgt Ion: 62 Resp: 596562

Ion Ratio Lower Upper

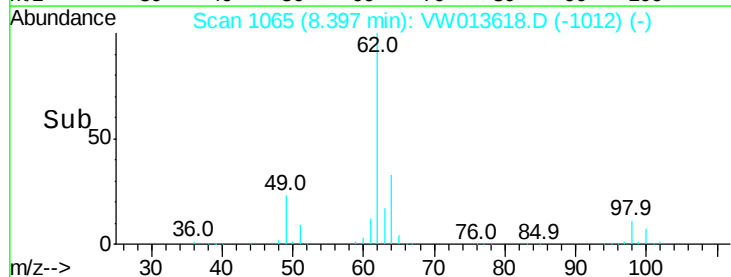
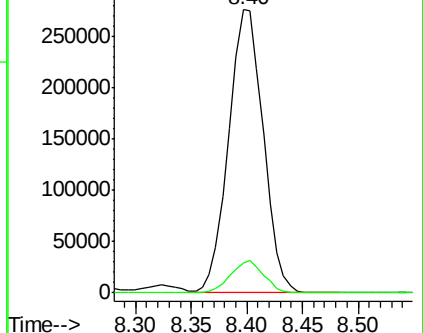
62 100

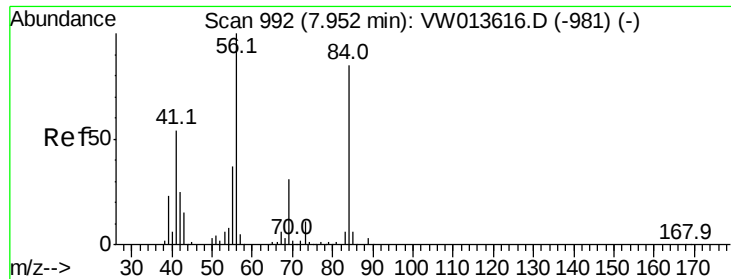
98 10.5 9.6 14.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

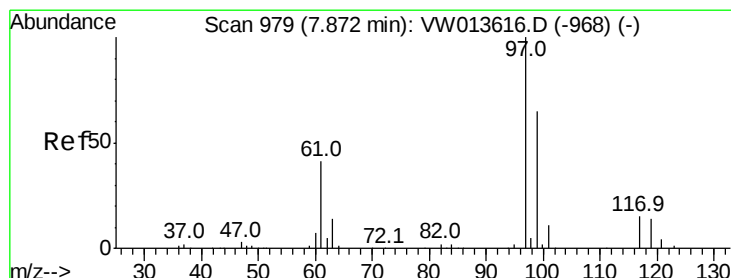
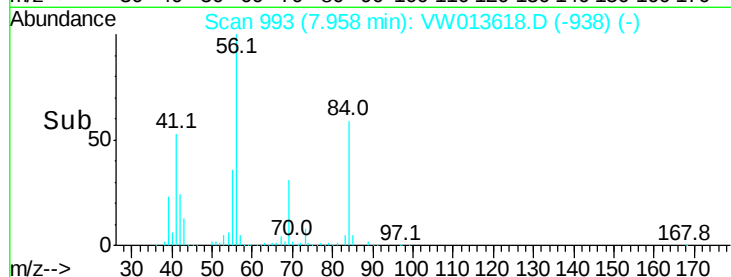
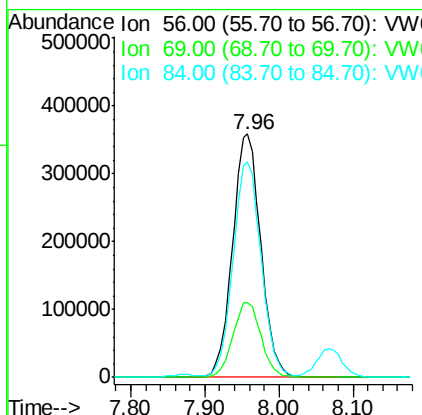
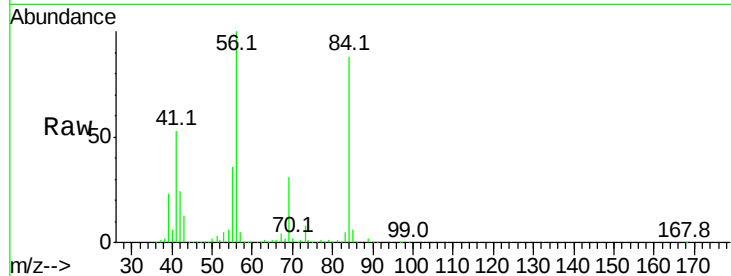




#30
Cyclohexane
Concen: 113.415 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW013618.D
Acq: 18 Oct 2019 11:42

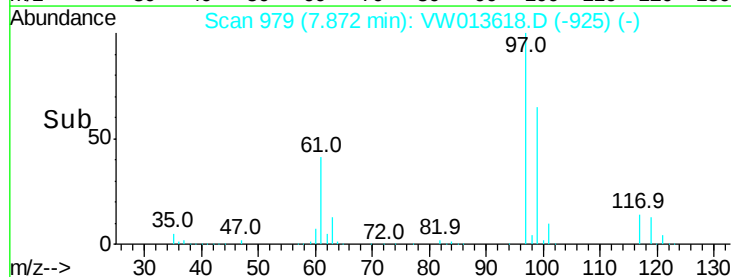
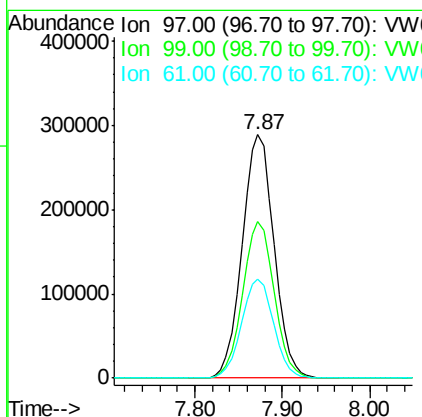
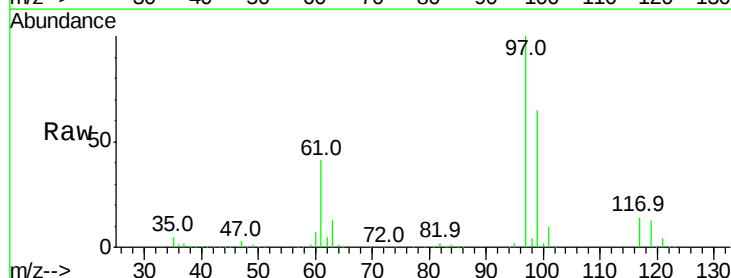
Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

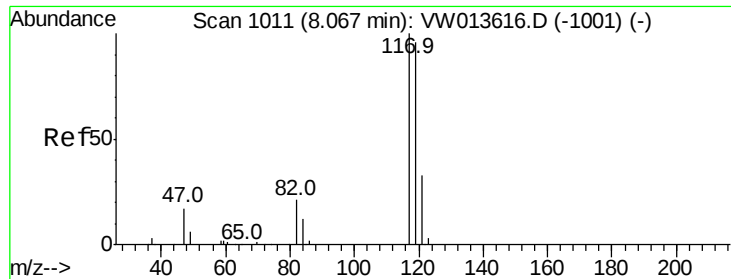
Tgt Ion: 56 Resp: 951006
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 88.5 71.1 106.7



#31
1,1,1-Trichloroethane
Concen: 113.487 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013618.D
Acq: 18 Oct 2019 11:42

Tgt Ion: 97 Resp: 728945
Ion Ratio Lower Upper
97 100
99 63.6 51.7 77.5
61 41.2 33.8 50.8





#32

Carbon tetrachloride

Concen: 116.778 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

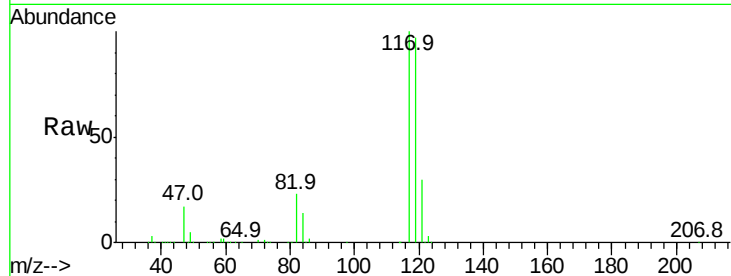
VSTD10001

Tgt Ion:117 Resp: 719493

Ion Ratio Lower Upper

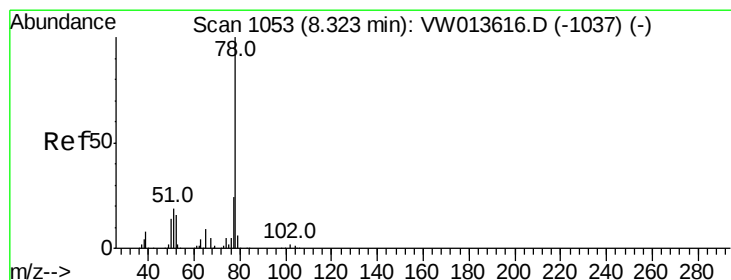
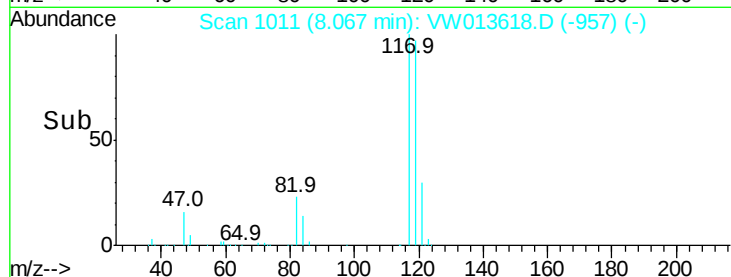
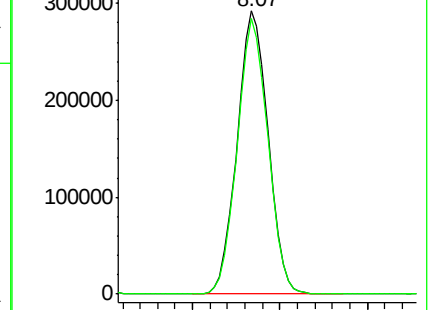
117 100

119 96.3 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 114.693 ug/L

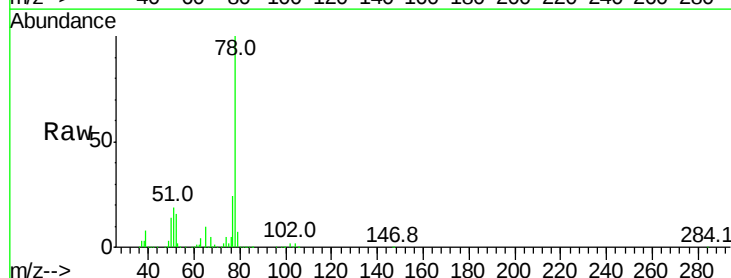
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

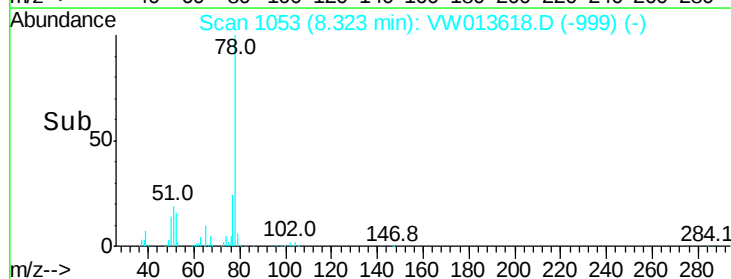
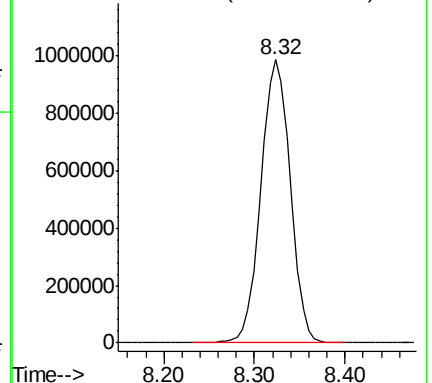
Lab File: VW013618.D

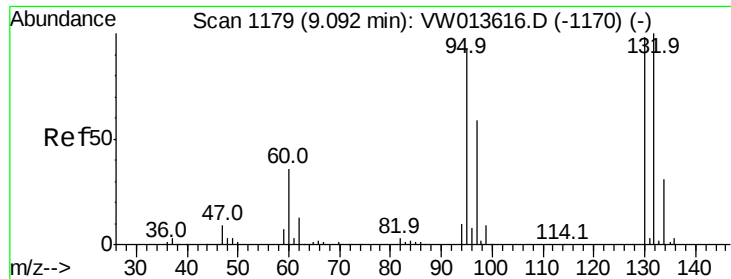
Acq: 18 Oct 2019 11:42

Tgt Ion: 78 Resp: 2209692



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 115.463 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

Tgt Ion: 95 Resp: 580253

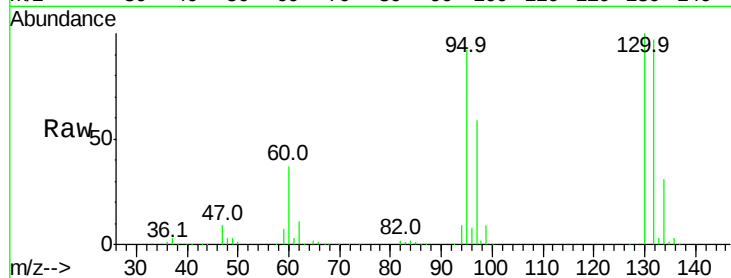
Ion Ratio Lower Upper

95 100

97 64.8 45.8 85.2

132 105.7 74.3 138.1

130 110.5 76.6 142.3

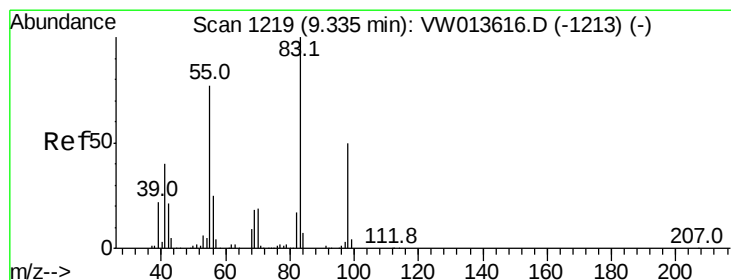
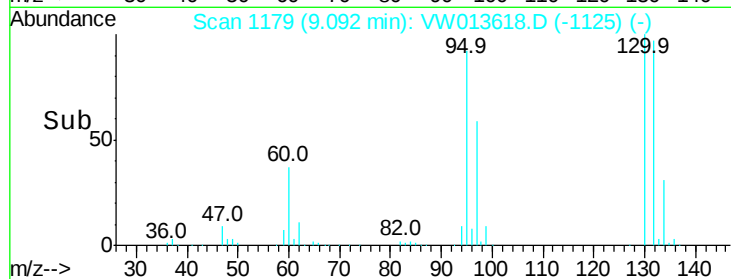
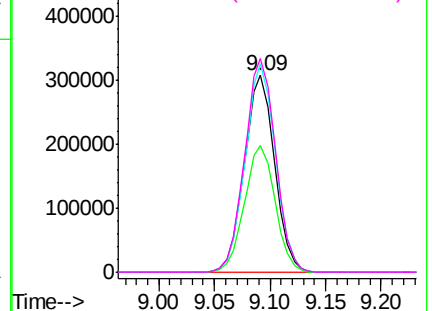


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 113.146 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

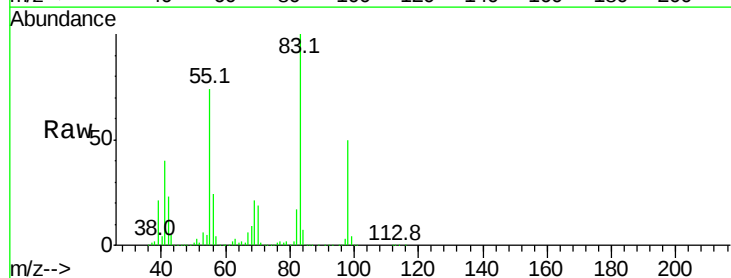
Tgt Ion: 83 Resp: 1034015

Ion Ratio Lower Upper

83 100

55 74.8 60.2 90.4

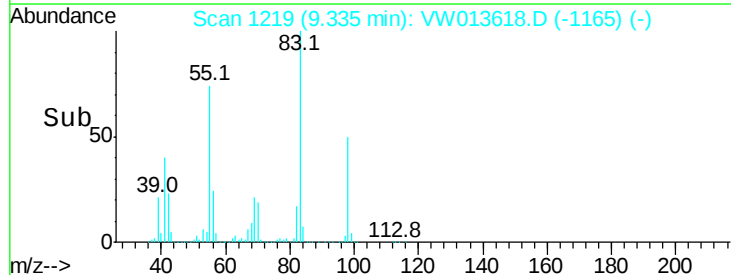
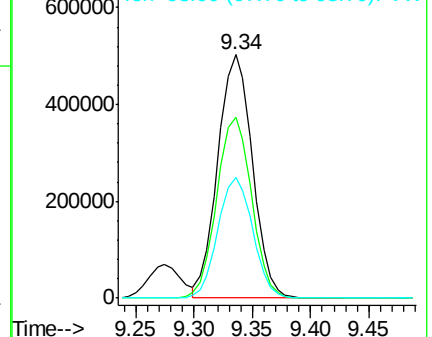
98 49.9 39.1 58.7

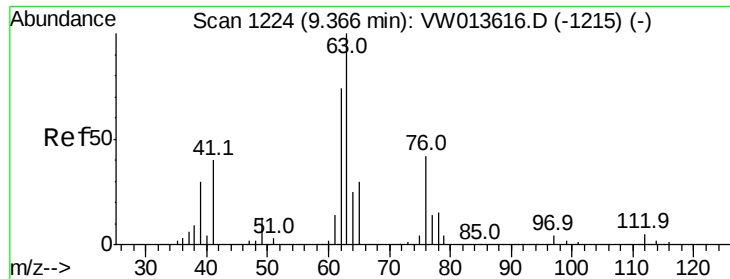


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

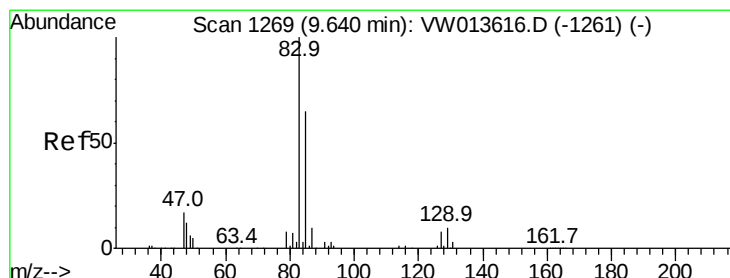
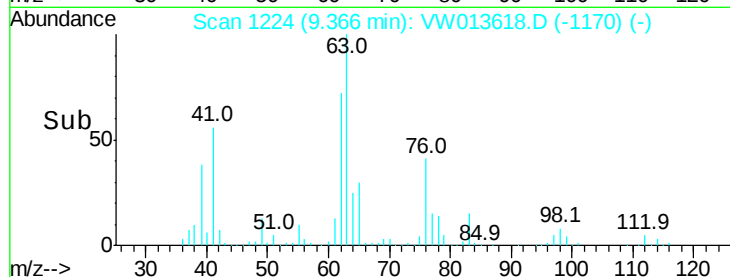
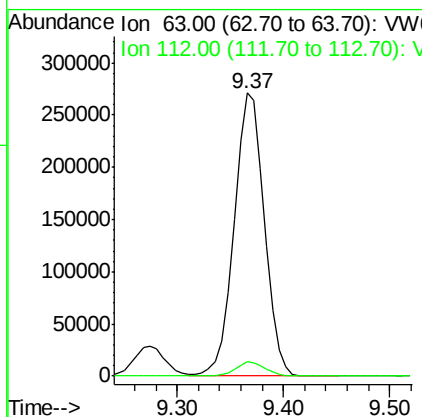
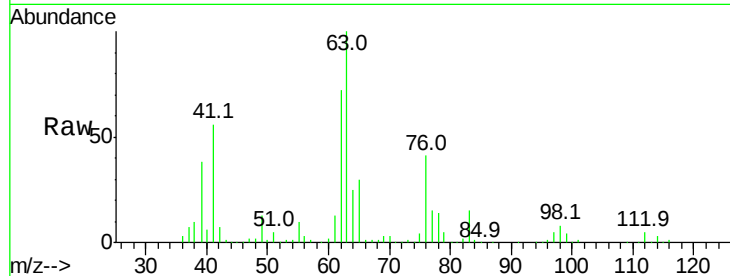




#40
 1,2-Dichloropropane
 Concen: 116.228 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013618.D
 Acq: 18 Oct 2019 11:42

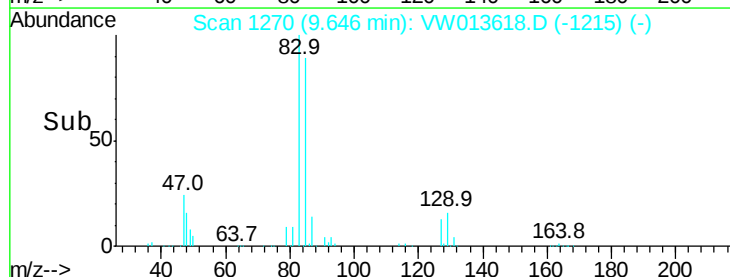
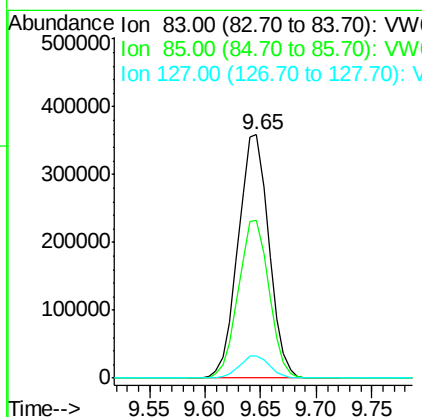
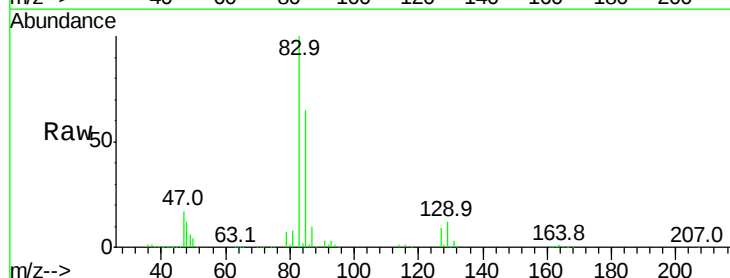
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

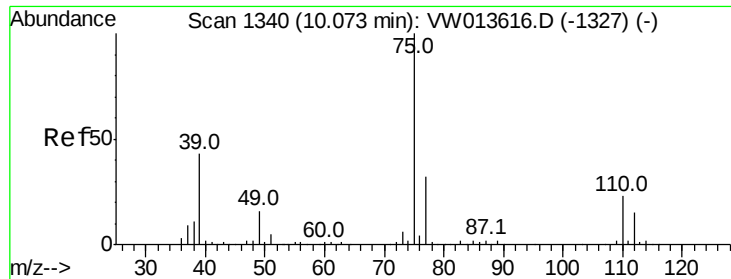
Tgt Ion: 63 Resp: 539442
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#41
 Bromodichloromethane
 Concen: 121.080 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW013618.D
 Acq: 18 Oct 2019 11:42

Tgt Ion: 83 Resp: 690229
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.8 85.0
 127 9.3 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 121.165 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampled :

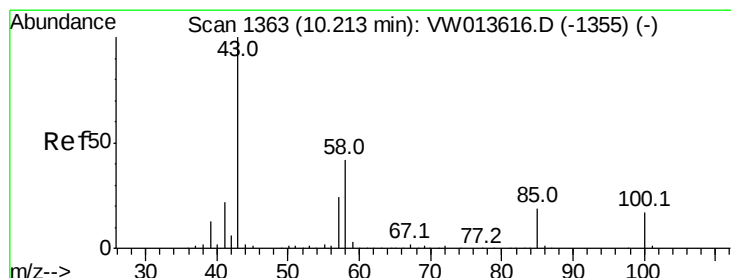
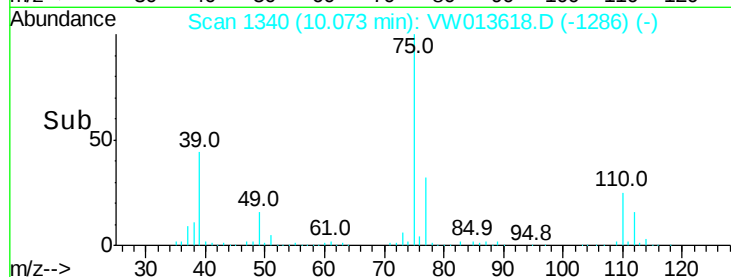
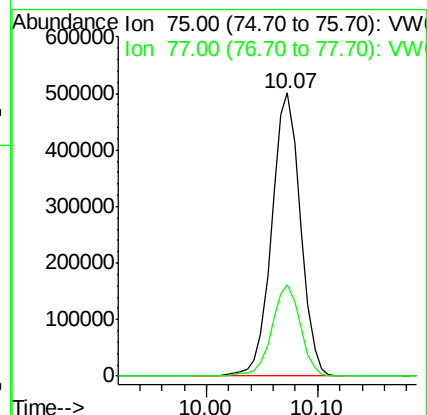
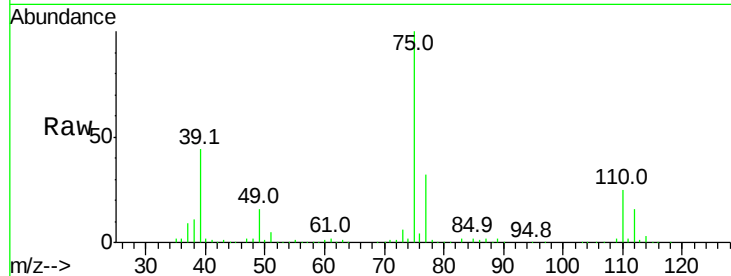
VSTD10001

Tgt Ion: 75 Resp: 902165

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.9



#43

4-Methyl-2-pentanone

Concen: 219.407 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

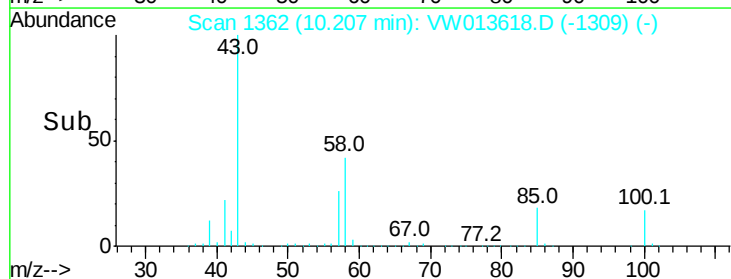
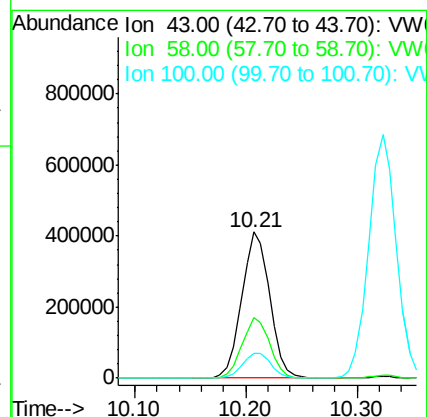
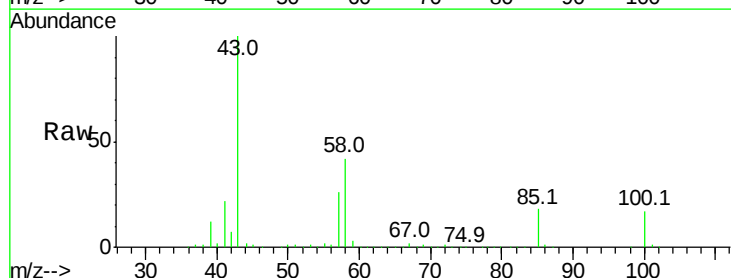
Tgt Ion: 43 Resp: 710507

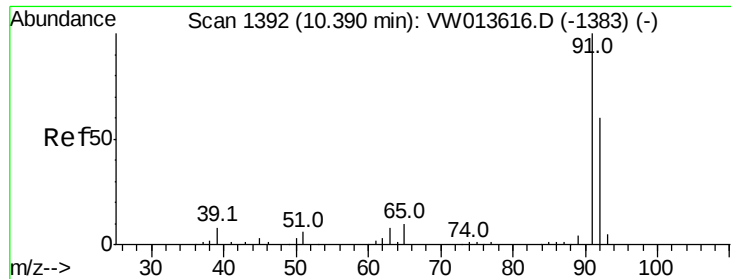
Ion Ratio Lower Upper

43 100

58 41.2 32.8 49.2

100 17.5 13.7 20.5





#44

Toluene

Concen: 115.478 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

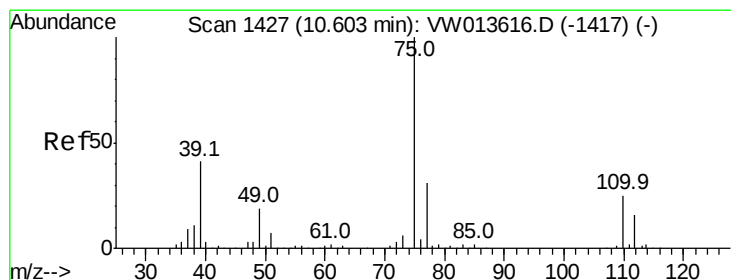
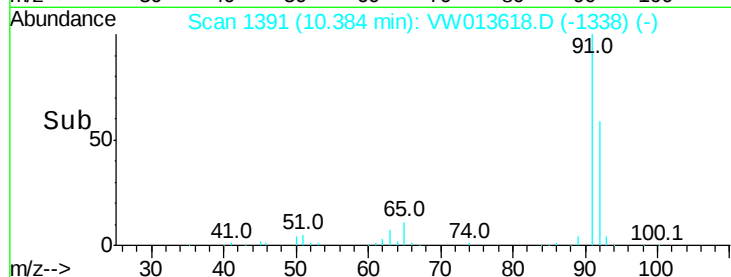
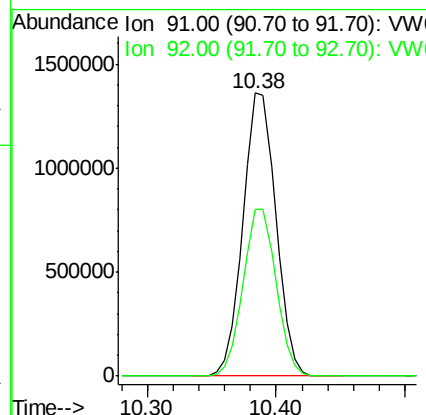
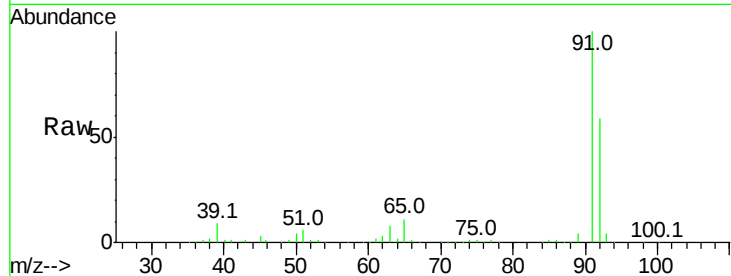
VSTD10001

Tgt Ion: 91 Resp: 2411090

Ion Ratio Lower Upper

91 100

92 58.9 42.0 78.0



#45

trans-1,3-Dichloropropene

Concen: 122.660 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013618.D

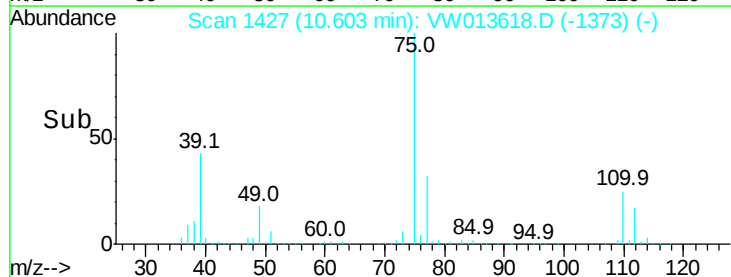
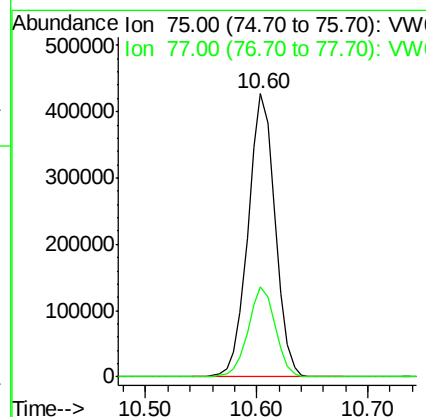
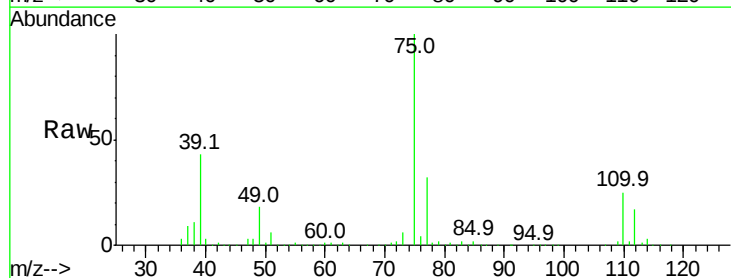
Acq: 18 Oct 2019 11:42

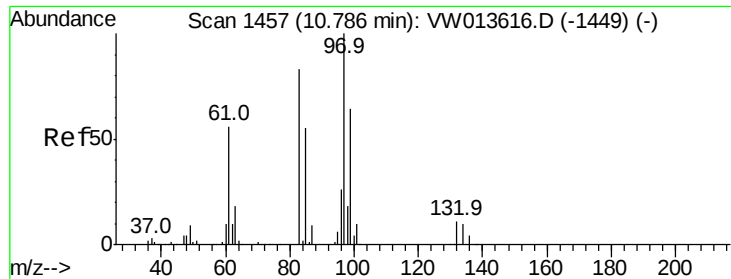
Tgt Ion: 75 Resp: 721160

Ion Ratio Lower Upper

75 100

77 31.6 22.0 41.0





#46

1,1,2-Trichloroethane

Concen: 115.821 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

Tgt Ion: 97 Resp: 408053

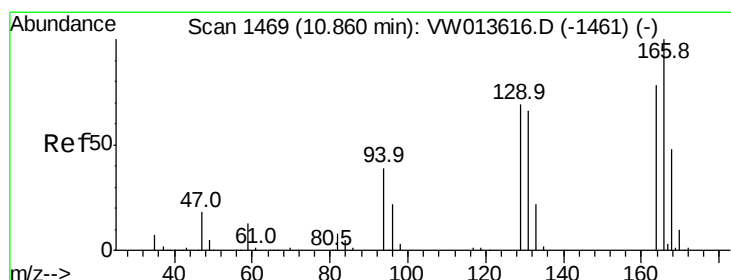
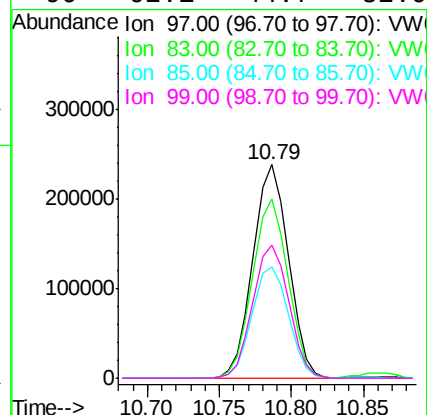
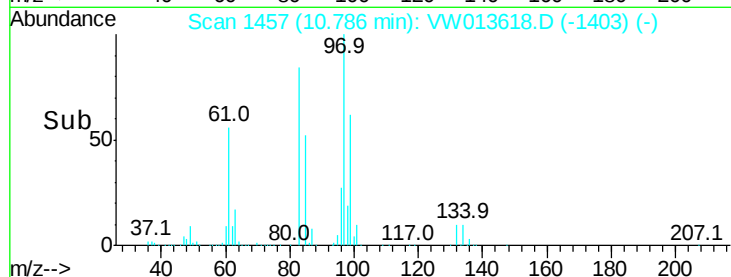
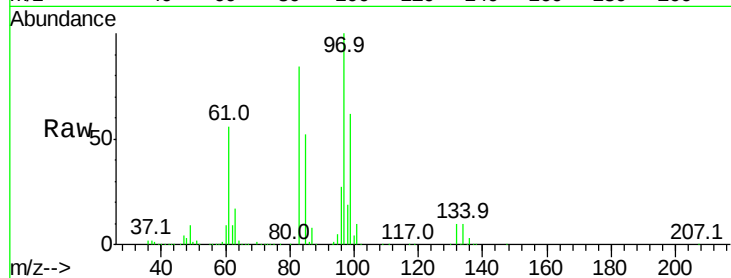
Ion Ratio Lower Upper

97 100

83 84.0 57.7 107.3

85 52.4 38.6 71.6

99 62.1 44.7 82.9



#47

Tetrachloroethene

Concen: 113.914 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Tgt Ion: 164 Resp: 521746

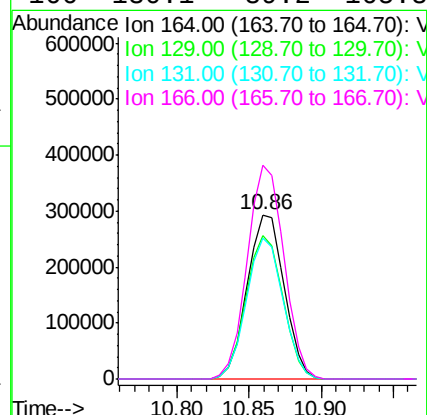
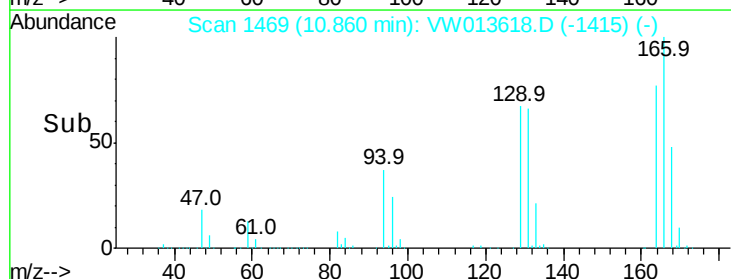
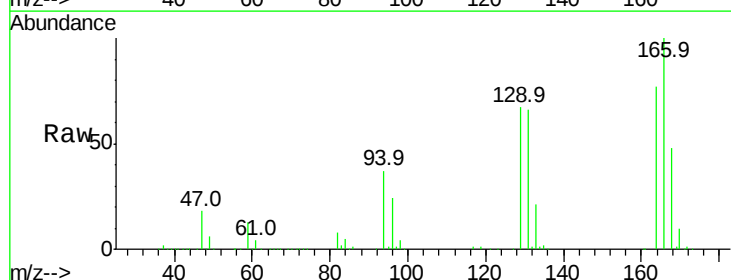
Ion Ratio Lower Upper

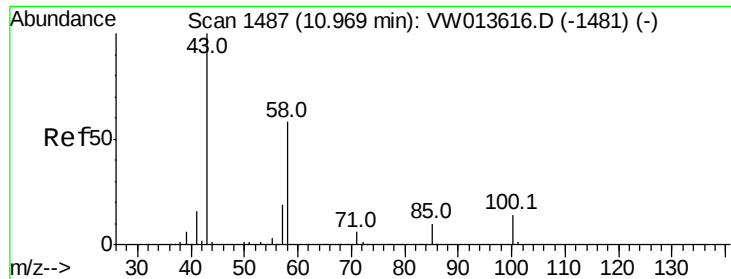
164 100

129 87.1 61.8 114.8

131 85.6 59.2 110.0

166 130.1 89.2 165.8





#49

2-Hexanone

Concen: 218.404 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampled :

VSTD10001

Tgt Ion: 43 Resp: 514022

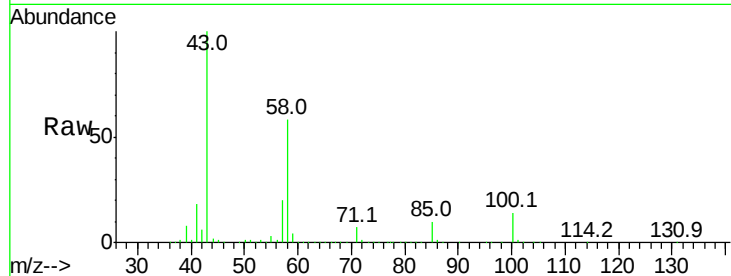
Ion Ratio Lower Upper

43 100

58 58.7 45.8 68.6

57 20.7 15.4 23.2

100 14.5 10.8 16.2

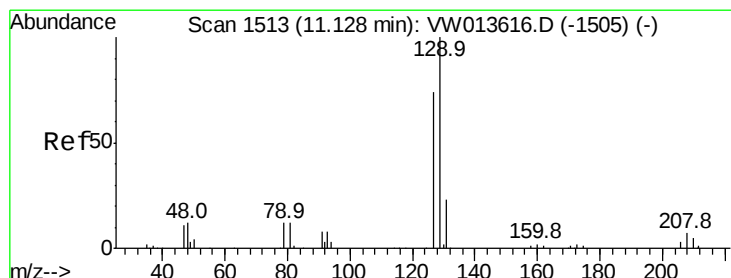
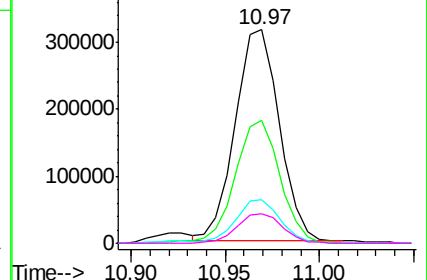
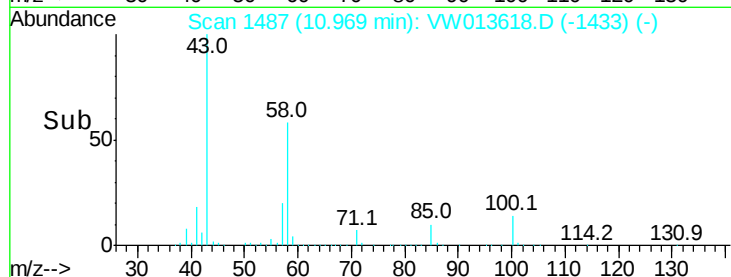


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 124.582 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013618.D

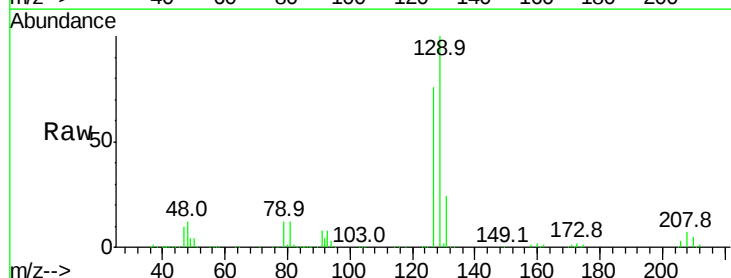
Acq: 18 Oct 2019 11:42

Tgt Ion: 129 Resp: 516785

Ion Ratio Lower Upper

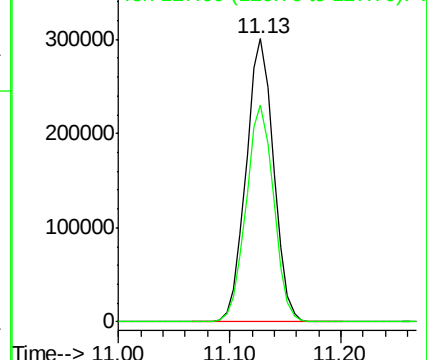
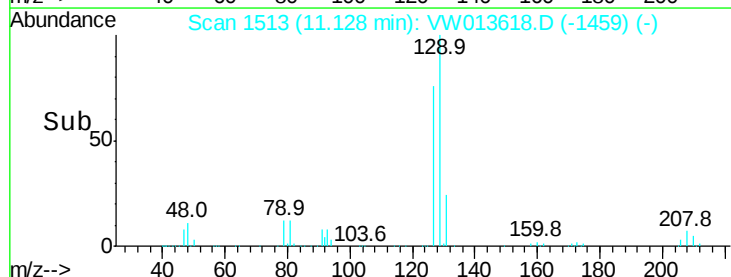
129 100

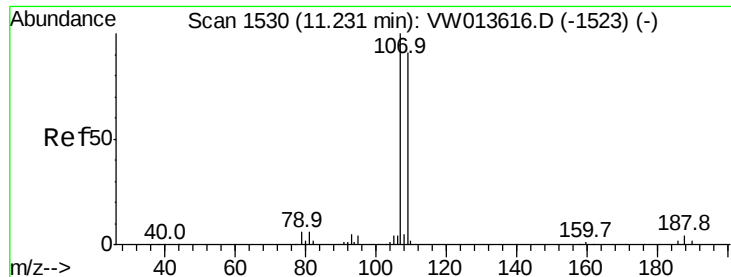
127 76.4 51.4 95.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

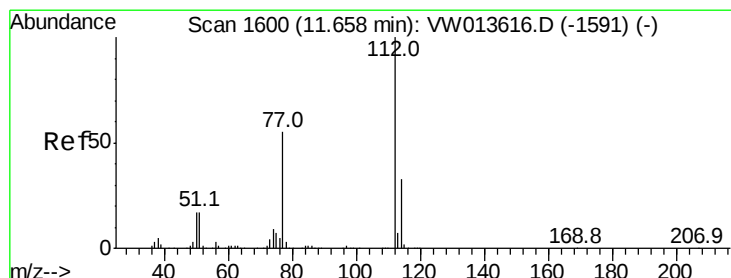
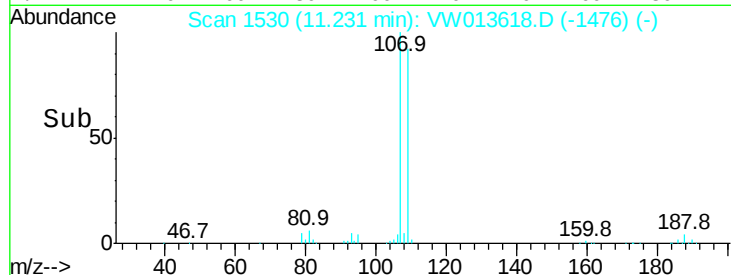
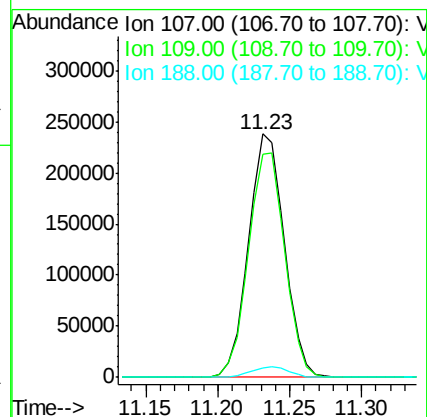
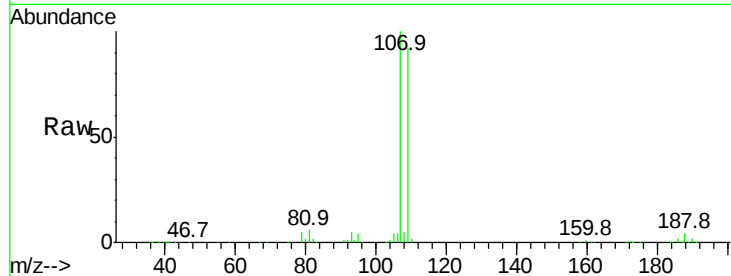




#51
 1,2-Dibromoethane
 Concen: 118.042 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013618.D
 Acq: 18 Oct 2019 11:42

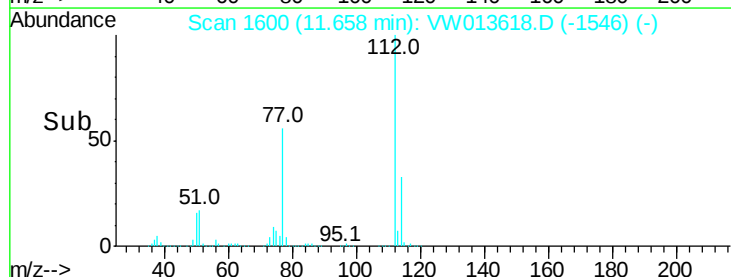
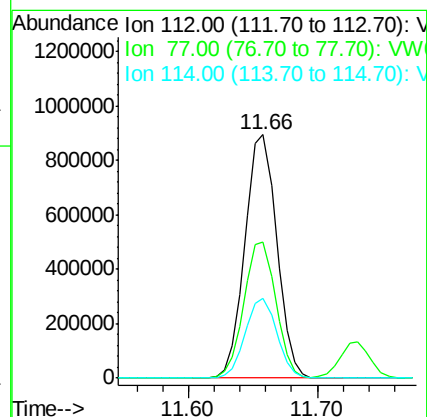
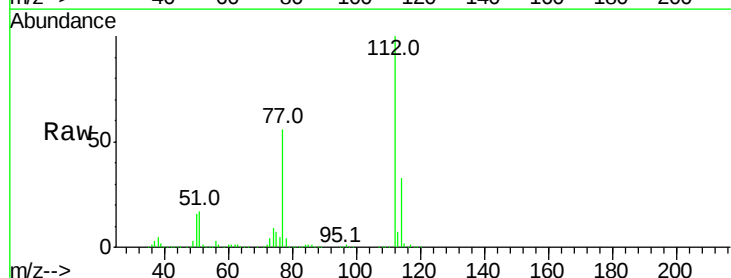
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

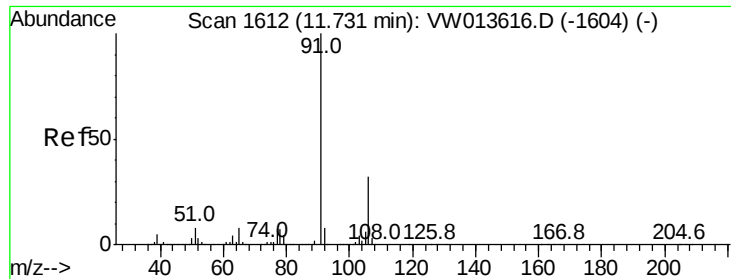
Tgt Ion:107 Resp: 408526
 Ion Ratio Lower Upper
 107 100
 109 91.7 64.0 118.8
 188 4.0 3.4 5.2



#52
 Chlorobenzene
 Concen: 115.412 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013618.D
 Acq: 18 Oct 2019 11:42

Tgt Ion:112 Resp: 1529380
 Ion Ratio Lower Upper
 112 100
 77 55.9 44.1 66.1
 114 32.6 23.4 43.4

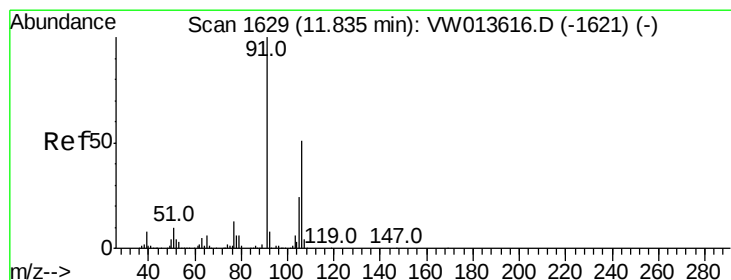
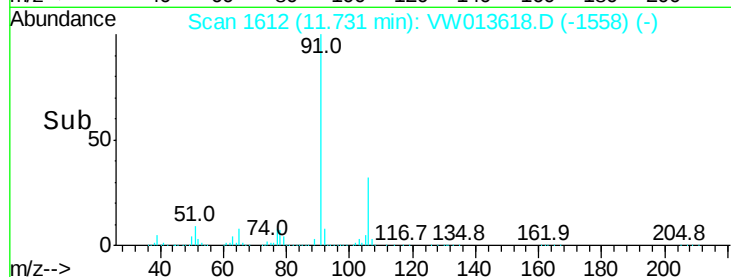
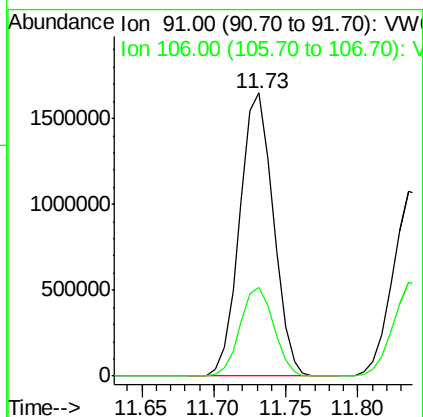
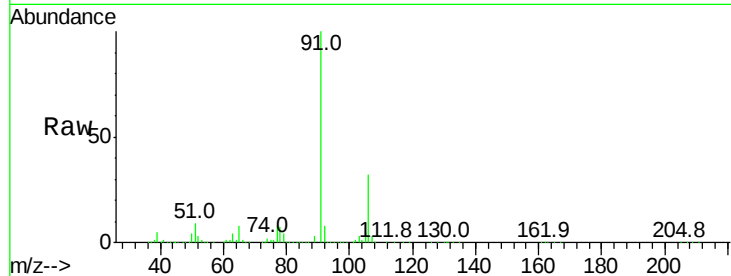




#53
Ethylbenzene
Concen: 115.707 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013618.D
Acq: 18 Oct 2019 11:42

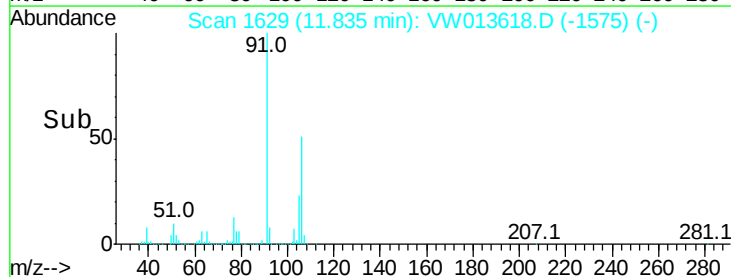
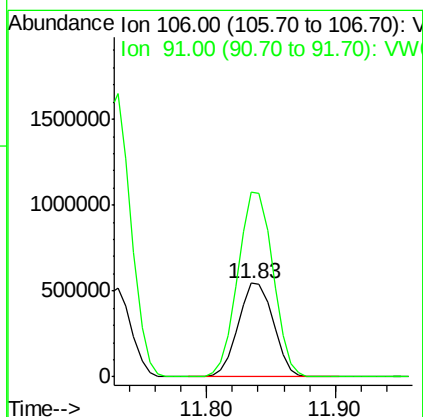
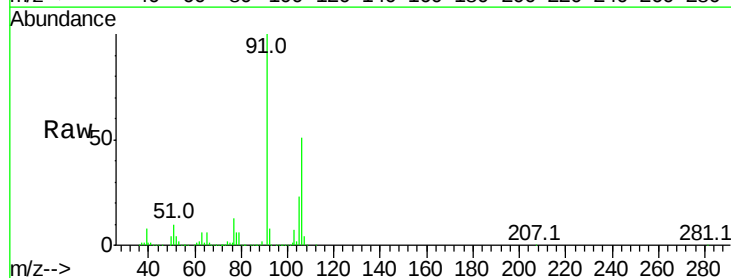
Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

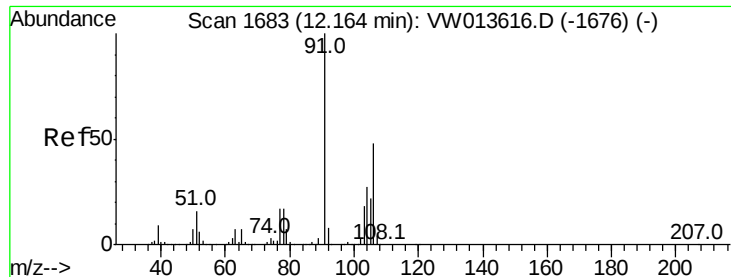
Tgt Ion: 91 Resp: 2674206
Ion Ratio Lower Upper
91 100
106 31.5 22.3 41.3



#54
m,p-Xylene
Concen: 115.196 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013618.D
Acq: 18 Oct 2019 11:42

Tgt Ion: 106 Resp: 1038608
Ion Ratio Lower Upper
106 100
91 197.2 137.7 255.7





#55

o-xylene

Concen: 117.098 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

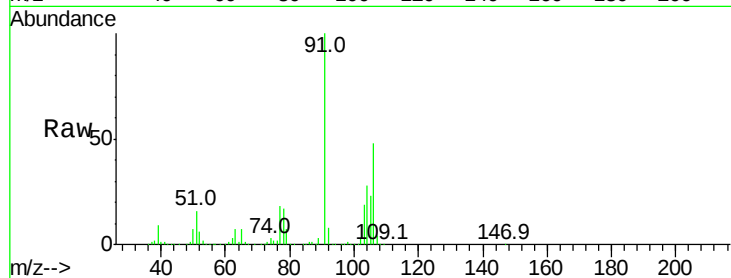
VSTD10001

Tgt Ion:106 Resp: 985495

Ion Ratio Lower Upper

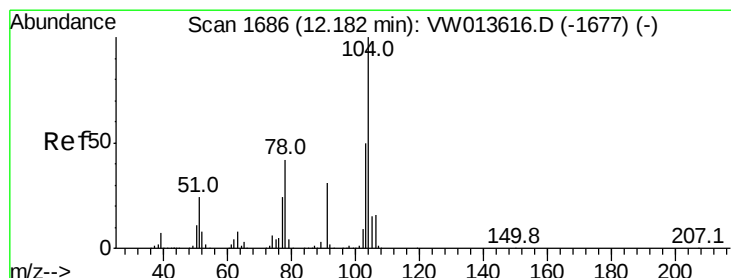
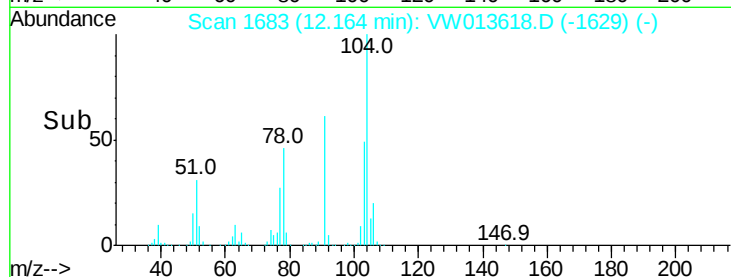
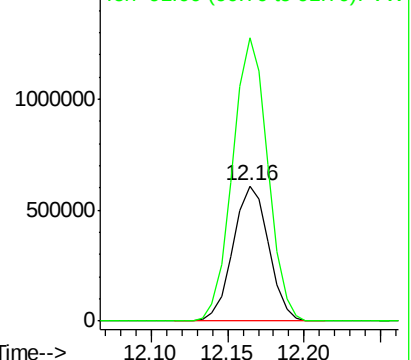
106 100

91 209.4 144.8 269.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 120.258 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW013618.D

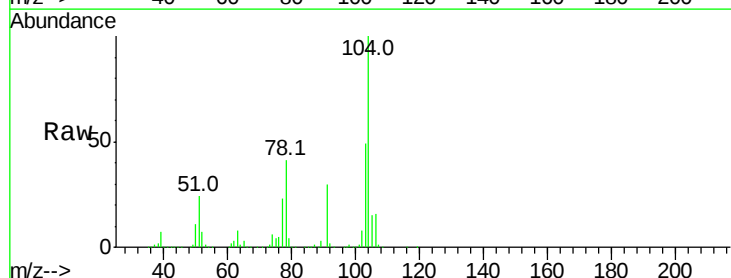
Acq: 18 Oct 2019 11:42

Tgt Ion:104 Resp: 1723651

Ion Ratio Lower Upper

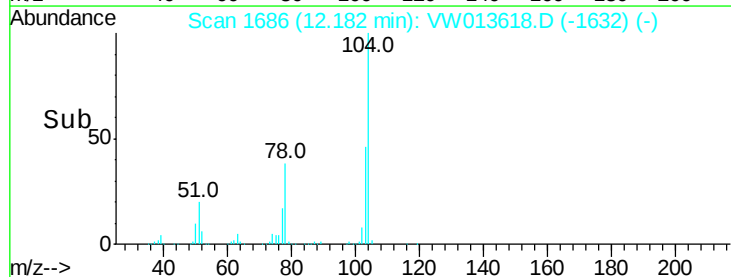
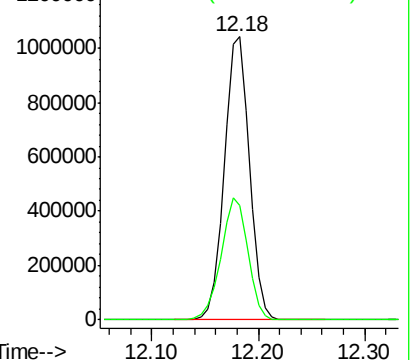
104 100

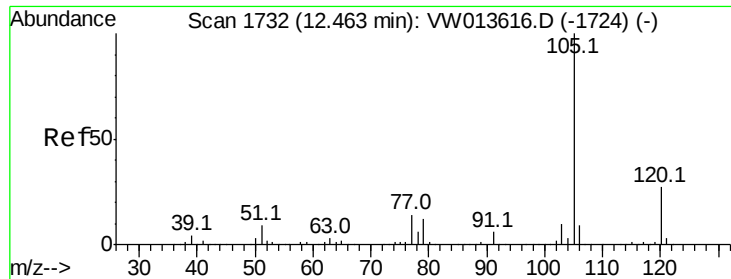
78 40.6 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 116.158 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

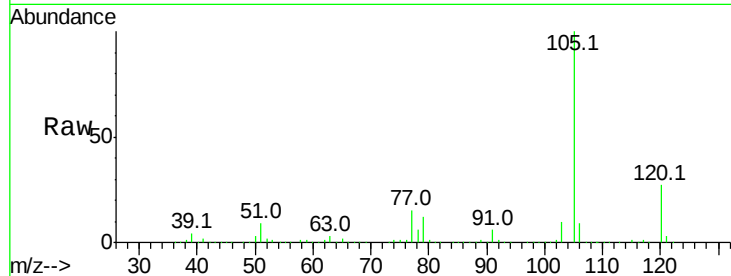
Tgt Ion:105 Resp: 2651920

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

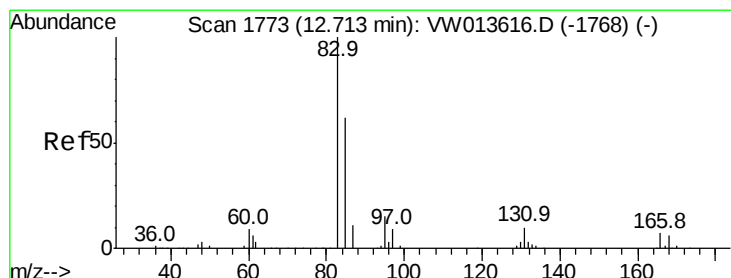
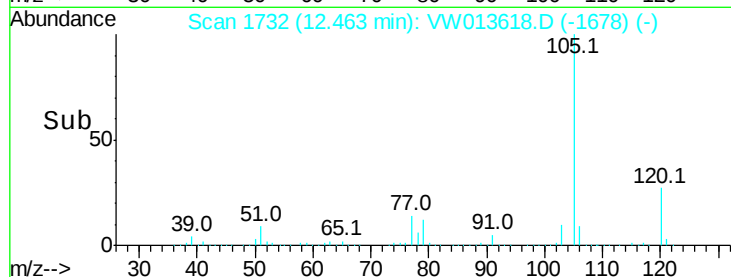
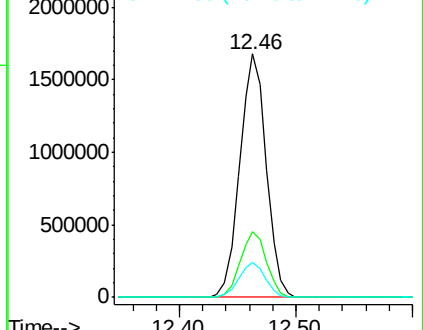
77 14.4 11.4 17.0



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: 113.634 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

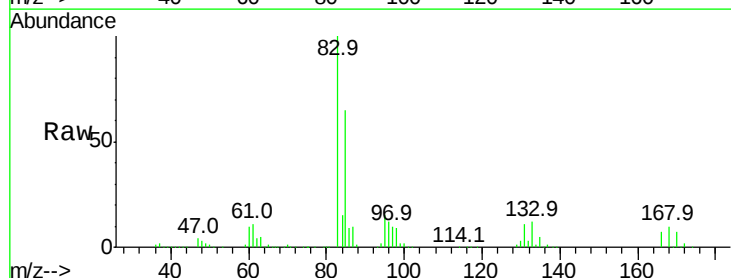
Tgt Ion: 83 Resp: 473000

Ion Ratio Lower Upper

83 100

85 65.1 44.9 83.3

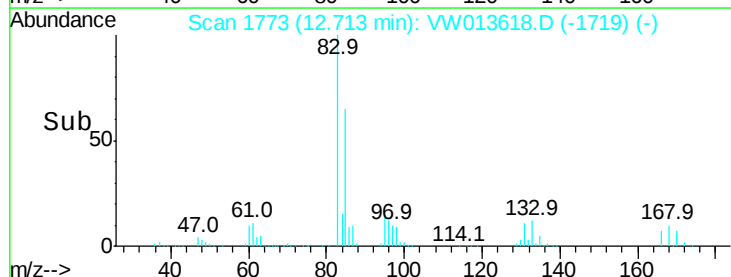
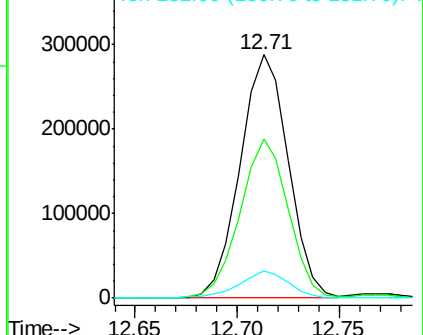
131 11.1 8.6 13.0

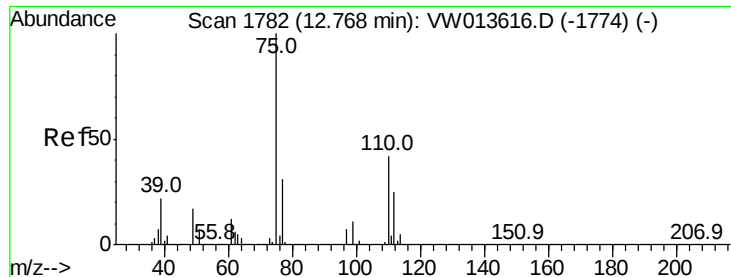


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

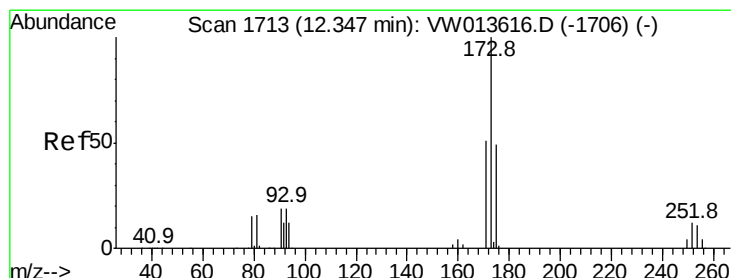
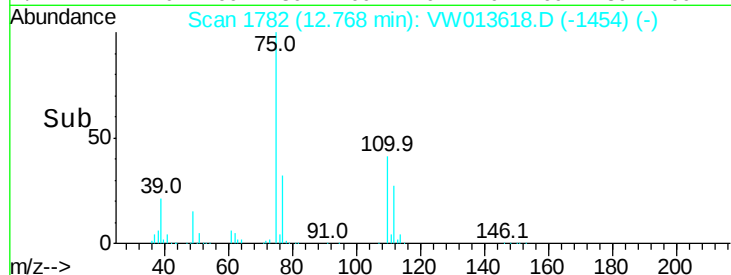
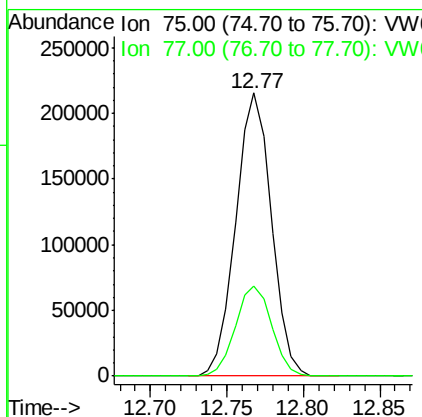
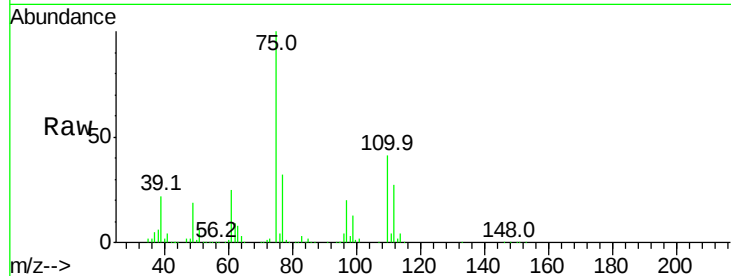




#59
 1,2,3-Trichloropropane
 Concen: 112.101 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013618.D
 Acq: 18 Oct 2019 11:42

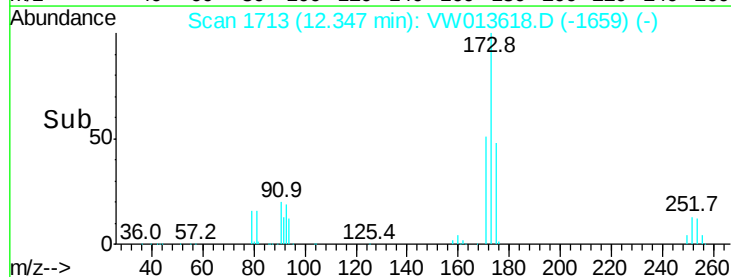
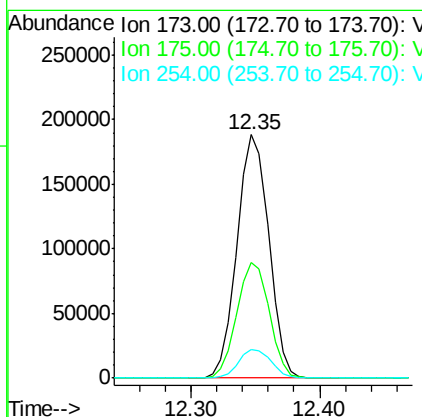
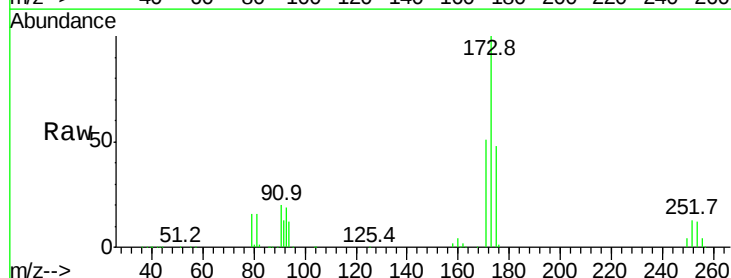
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

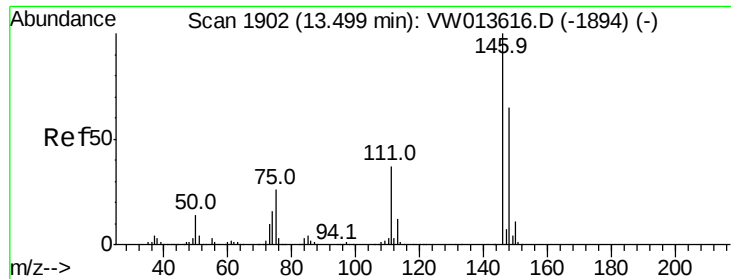
Tgt Ion: 75 Resp: 348424
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.4 39.6



#62
 Bromoform
 Concen: 108.684 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013618.D
 Acq: 18 Oct 2019 11:42

Tgt Ion: 173 Resp: 322156
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.1 58.7
 254 12.1 9.6 14.4

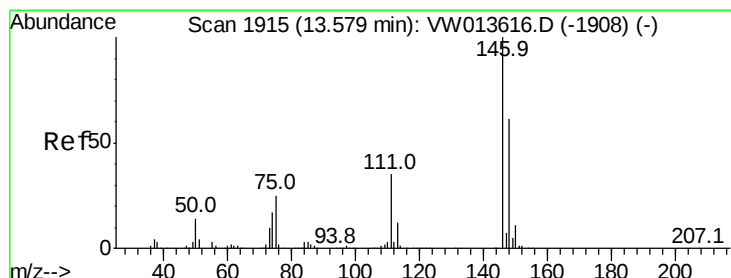
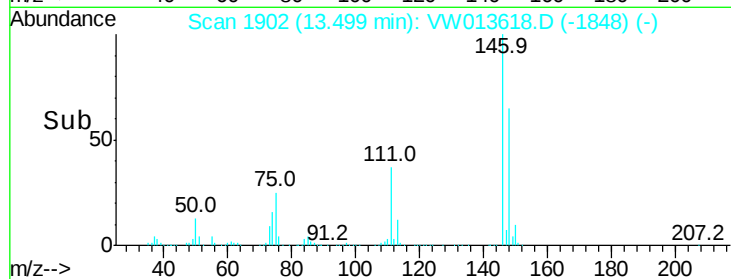
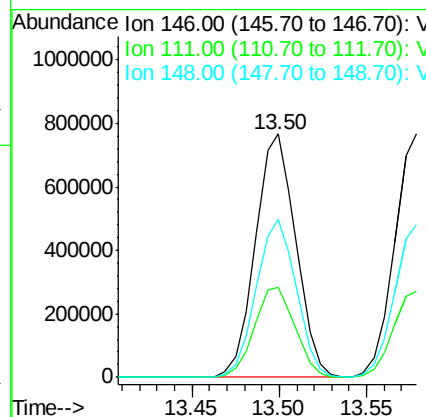
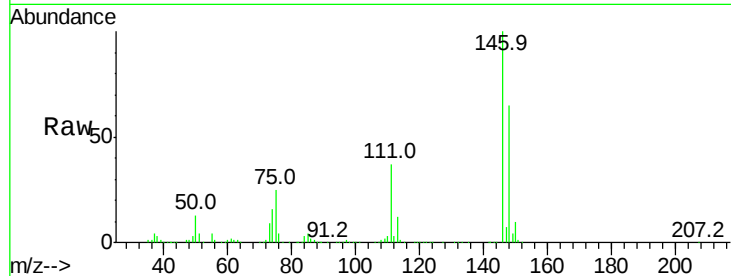




#63
 1,3-Dichlorobenzene
 Concen: 99.400 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013618.D
 Acq: 18 Oct 2019 11:42

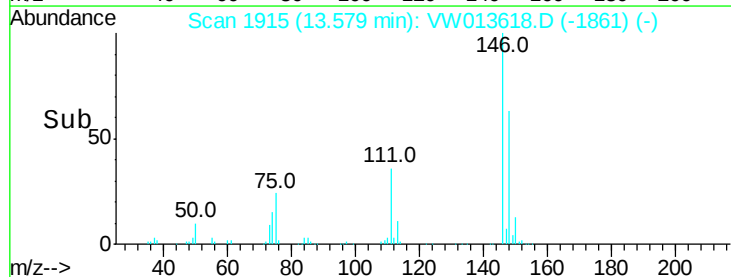
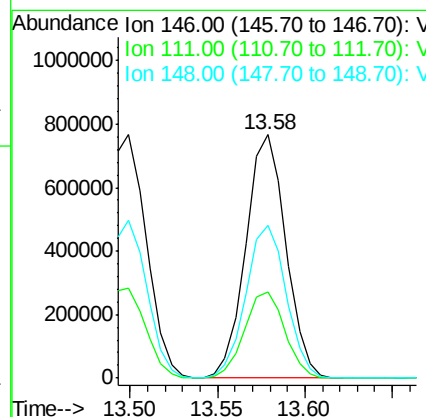
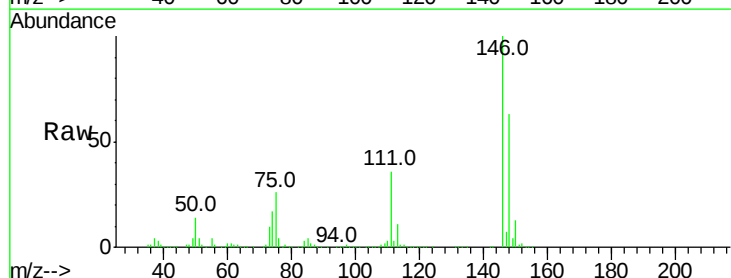
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

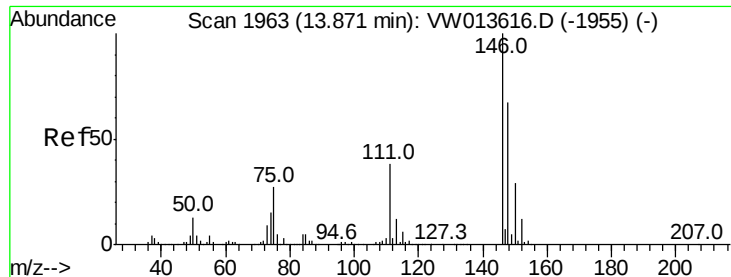
Tgt Ion:146 Resp: 1227511
 Ion Ratio Lower Upper
 146 100
 111 36.9 26.1 48.5
 148 65.1 45.8 85.2



#64
 1,4-Dichlorobenzene
 Concen: 99.113 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013618.D
 Acq: 18 Oct 2019 11:42

Tgt Ion:146 Resp: 1218362
 Ion Ratio Lower Upper
 146 100
 111 35.7 24.8 46.0
 148 62.9 43.0 79.8





#65

1,2-Dichlorobenzene

Concen: 98.426 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

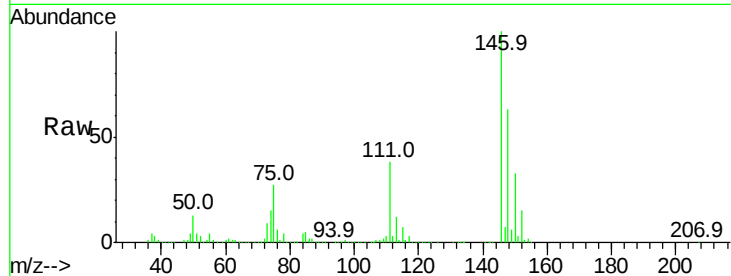
Tgt Ion:146 Resp: 1092878

Ion Ratio Lower Upper

146 100

111 38.3 30.7 46.1

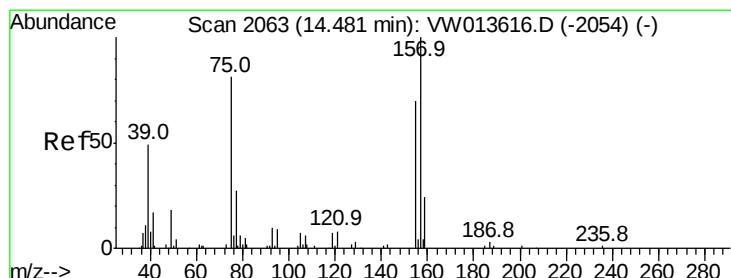
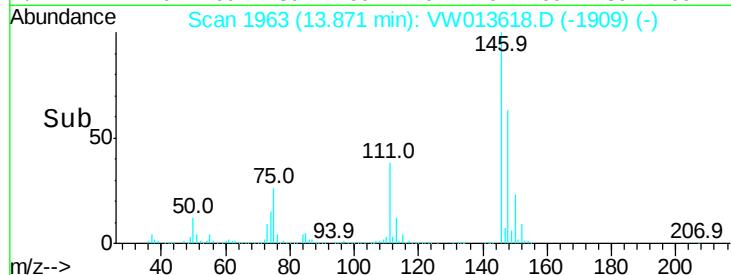
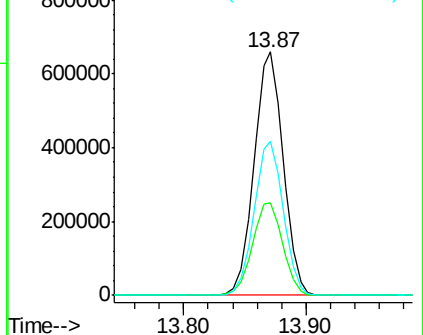
148 63.2 53.3 79.9



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: 98.423 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

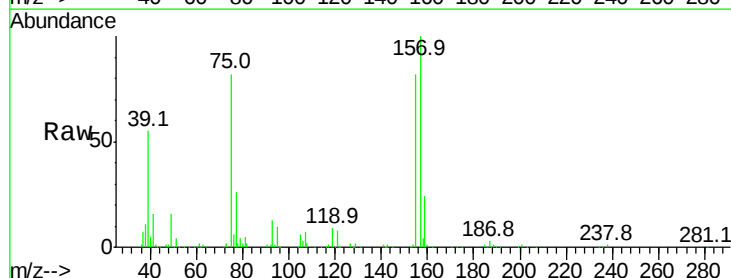
Tgt Ion: 75 Resp: 75446

Ion Ratio Lower Upper

75 100

157 121.5 99.4 149.0

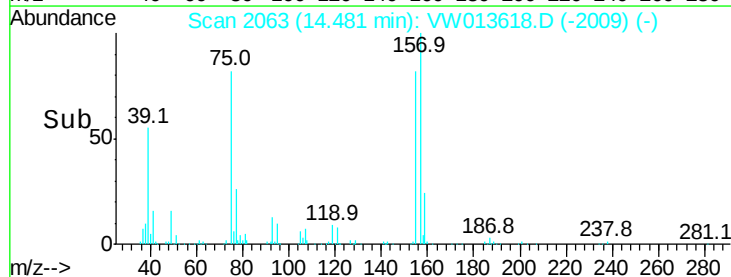
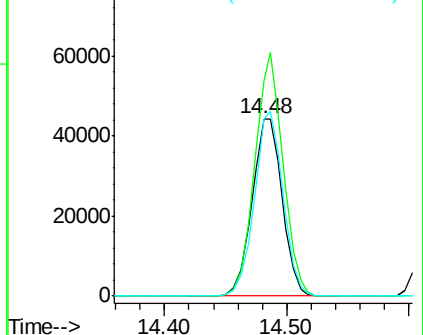
155 99.9 69.7 104.5

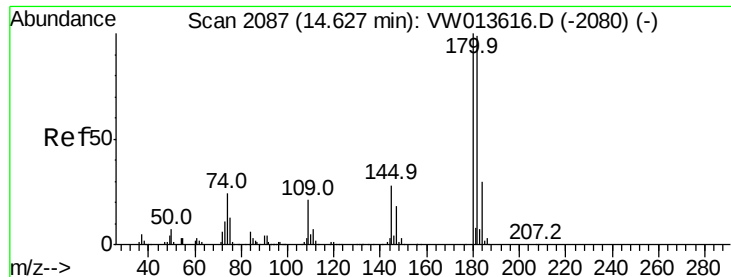


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

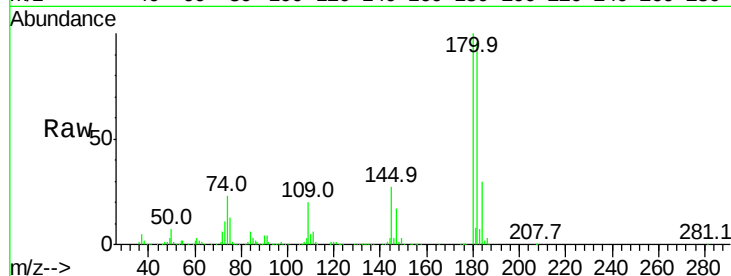




#67
 1,3,5-Trichlorobenzene
 Concen: 98.888 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013618.D
 Acq: 18 Oct 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
184	30.1	24.1	36.1
145	27.4	21.8	32.8

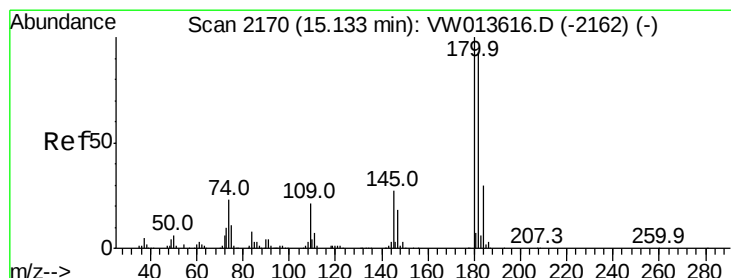
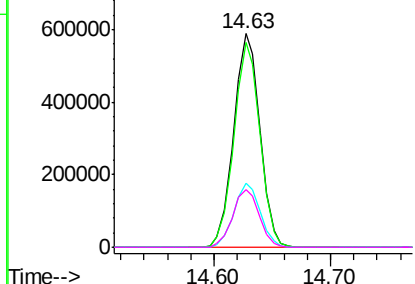
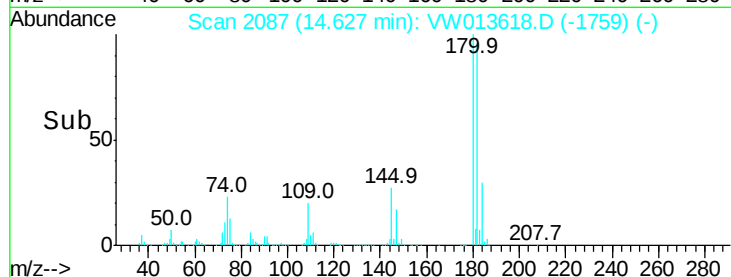


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

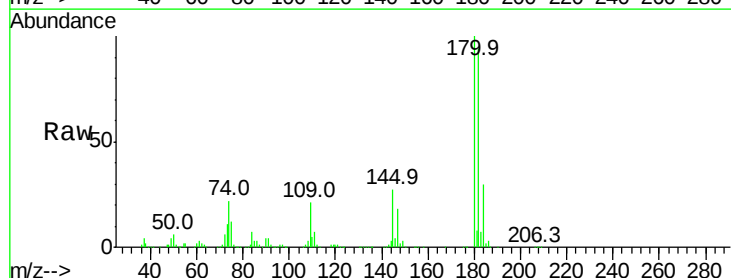
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 105.027 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013618.D
 Acq: 18 Oct 2019 11:42

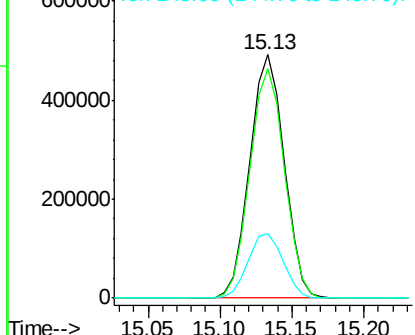
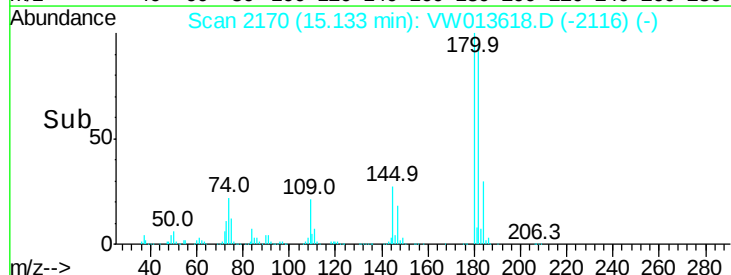
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.8
145	27.3	22.6	34.0

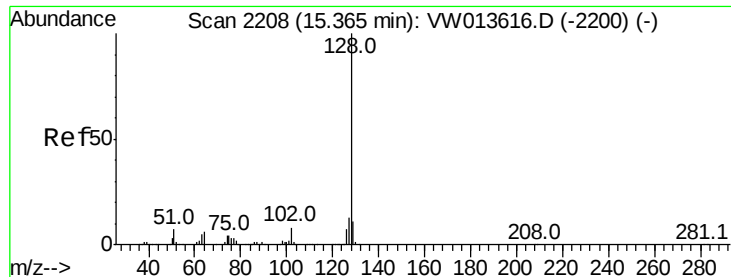


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 108.214 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

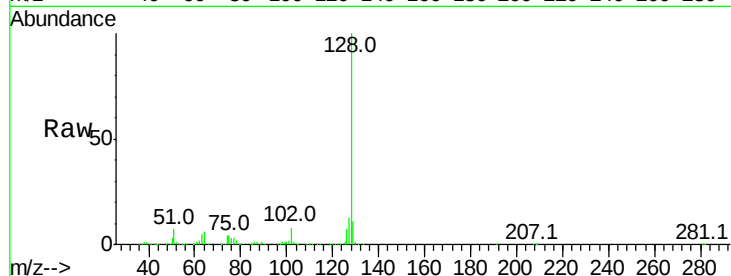
Tgt Ion:128 Resp: 1522699

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

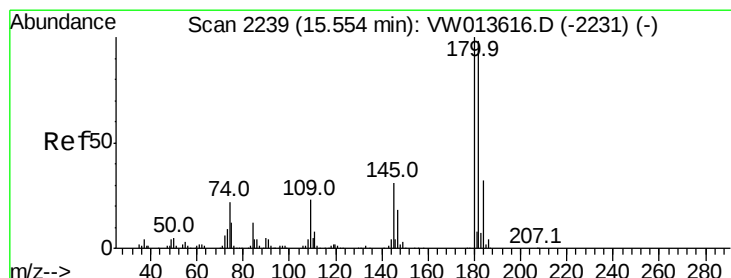
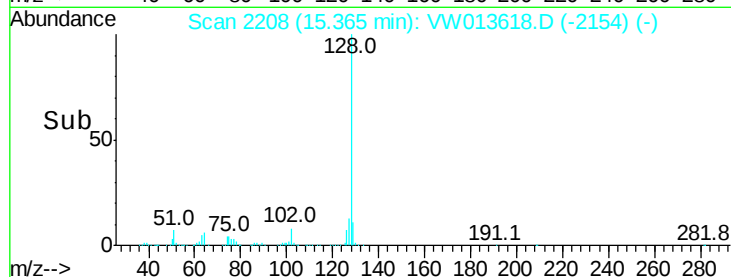
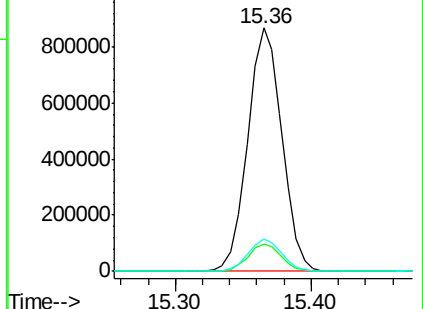
127 13.1 10.5 15.7



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: 104.304 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013618.D

Acq: 18 Oct 2019 11:42

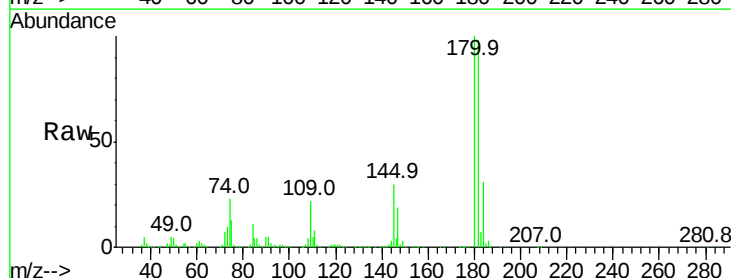
Tgt Ion:180 Resp: 717529

Ion Ratio Lower Upper

180 100

182 96.8 77.0 115.4

145 29.8 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

