

Data File : VW011419.D
Acq On : 22 Jul 2019 14:04
Operator : SY/VA
Sample : VSTD10019
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

Quant Time: Jul 22 14:26:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
Quant Title : VOC Analysis
QLast Update : Mon Jul 22 13:42:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	444630	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	400108	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	190164	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	580961	85.57	ug/L	0.00
7) Chloroethane-d5	2.88	69	439603	92.29	ug/L	-0.01
10) 1,1-Dichloroethene-d2	4.02	63	1366074	95.01	ug/L	0.00
20) 2-Butanone-d5	7.07	46	515943	192.92	ug/L	0.00
24) Chloroform-d	7.65	84	1161315	95.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	678997	90.47	ug/L	0.00
29) Benzene-d6	8.27	84	2376367	96.41	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	781084	97.32	ug/L	0.00
37) Toluene-d8	10.32	98	2161071	98.38	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	362138	106.10	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	361712	196.51	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	617325	92.98	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	709258	97.17	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	612769	112.053	ug/L	95
3) Chloromethane	2.21	50	706776	119.045	ug/L	100
5) Vinyl chloride	2.36	62	757158	97.710	ug/L	99
6) Bromomethane	2.77	94	369846	102.017	ug/L	99
8) Chloroethane	2.92	64	410909	104.913	ug/L	100
9) Trichlorofluoromethane	3.25	101	406332	153.150	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	600549	101.586	ug/L	100
12) 1,1-Dichloroethene	4.04	96	605333	103.598	ug/L	87
13) Acetone	4.11	43	508203	194.547	ug/L	97
14) Carbon disulfide	4.38	76	1958318	117.163	ug/L	100
15) Methyl Acetate	4.66	43	432664	101.789	ug/L	100
16) Methylene chloride	4.92	84	616600	94.371	ug/L	100
17) Methyl tert-butyl Ether	5.42	73	947831	104.600	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	621313	105.228	ug/L	98
19) 1,1-Dichloroethane	6.21	63	1241180	103.547	ug/L	98
21) 2-Butanone	7.16	43	684915	203.106	ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	667068	104.372	ug/L	98
23) Bromochloromethane	7.51	128	277552	103.496	ug/L	99
25) Chloroform	7.67	83	1116175	98.307	ug/L	99
27) 1,2-Dichloroethane	8.40	62	821686	94.674	ug/L	99
30) Cyclohexane	7.95	56	1310749	107.749	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	876244	105.519	ug/L	100
32) Carbon tetrachloride	8.07	117	840163	107.880	ug/L	100
34) Benzene	8.32	78	2549259	101.945	ug/L	100
35) Trichloroethene	9.09	95	654701	103.751	ug/L	99
36) Methylcyclohexane	9.34	83	1193694	105.117	ug/L	100
40) 1,2-Dichloropropane	9.37	63	695712	101.532	ug/L	100
41) Bromodichloromethane	9.65	83	841322	106.497	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	1116557	110.438	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	1232384	194.015	ug/L	99

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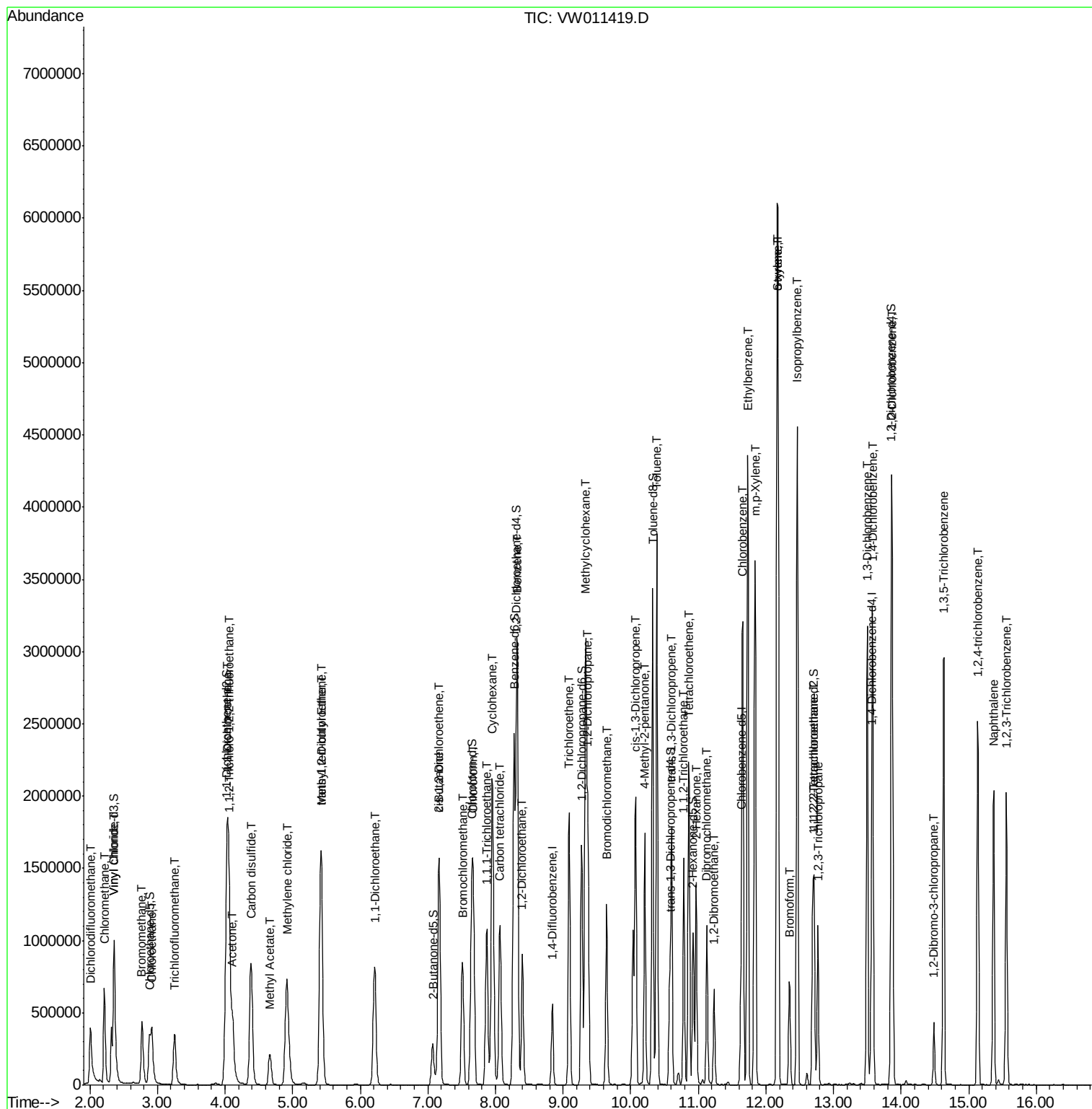
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2670701	103.184	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	918583	109.804	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	471943	99.459	ug/L	98
47) Tetrachloroethene	10.86	164	503701	105.617	ug/L	98
49) 2-Hexanone	10.97	43	945371	204.467	ug/L	99
50) Dibromochloromethane	11.13	129	553809	109.601	ug/L	100
51) 1,2-Dibromoethane	11.23	107	463004	101.052	ug/L	97
52) Chlorobenzene	11.66	112	1605355	101.523	ug/L	98
53) Ethylbenzene	11.73	91	3001578	102.239	ug/L	100
54) m,p-Xylene	11.84	106	1105865	103.747	ug/L	98
55) o-xylene	12.16	106	1050145	103.564	ug/L	100
56) Styrene	12.18	104	1806803	103.871	ug/L	99
57) Isopropylbenzene	12.46	105	2847014	102.855	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	607509	96.237	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	458035	94.483	ug/L	100
62) Bromoform	12.35	173	328440	115.888	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	1224811	104.688	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	1223922	102.191	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	1105039	101.470	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	108872	101.825	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	923139	104.140	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	778633	104.848	ug/L	100
69) Naphthalene	15.37	128	1666686	107.162	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	692217	101.876	ug/L	100

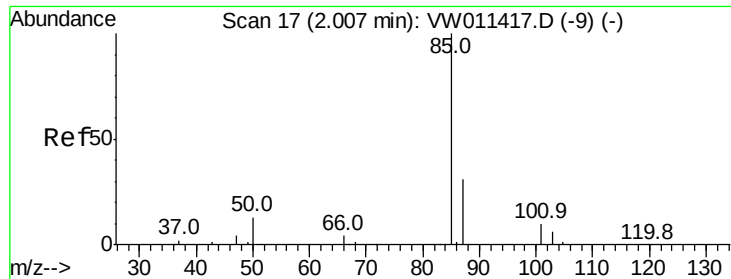
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 112.053 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

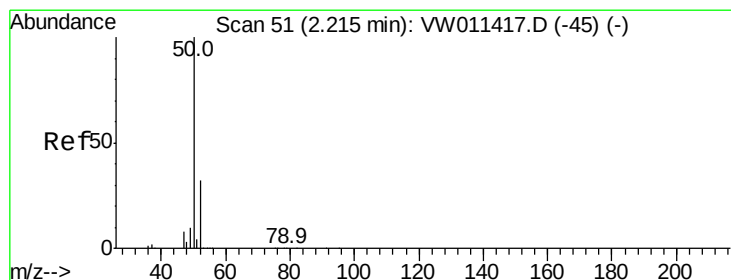
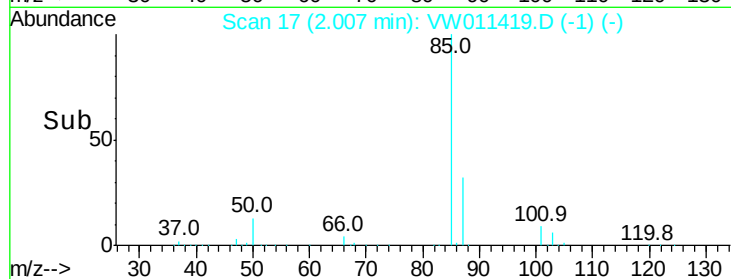
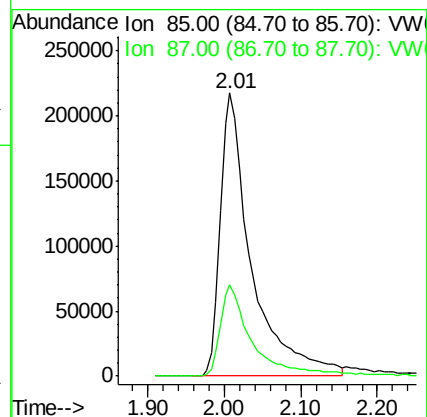
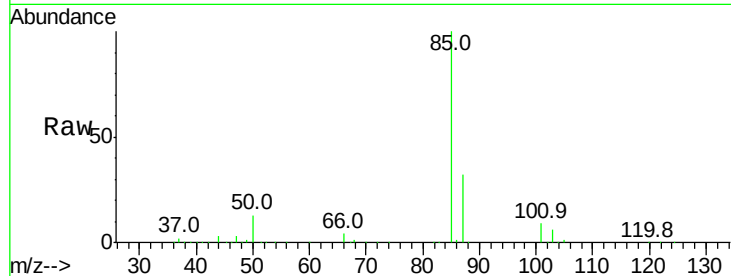
VSTD10002

Tgt Ion: 85 Resp: 612769

Ion Ratio Lower Upper

85 100

87 31.9 20.6 38.2



#3

Chloromethane

Concen: 119.045 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW011419.D

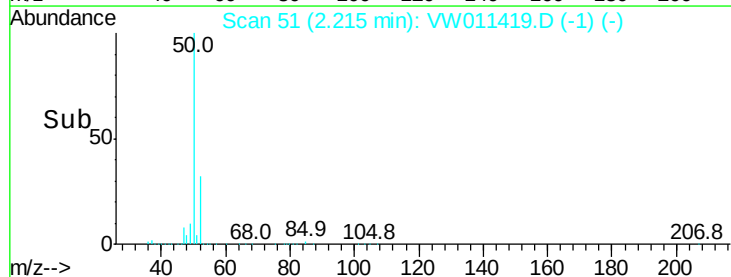
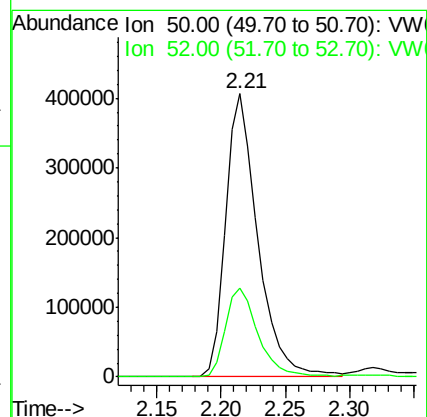
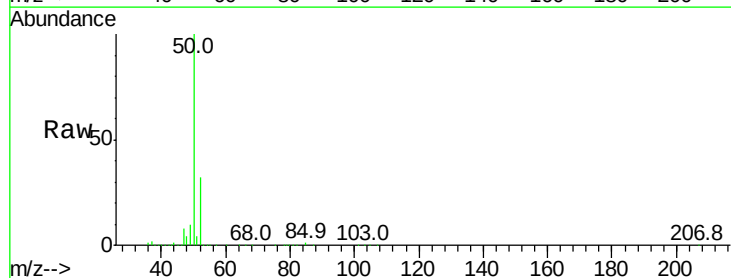
Acq: 22 Jul 2019 14:04

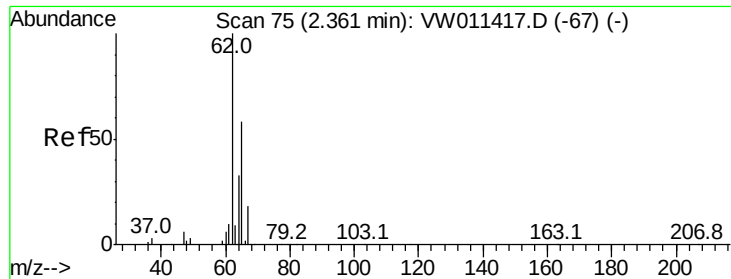
Tgt Ion: 50 Resp: 706776

Ion Ratio Lower Upper

50 100

52 31.6 22.0 41.0





#5

Vinyl chloride

Concen: 97.710 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

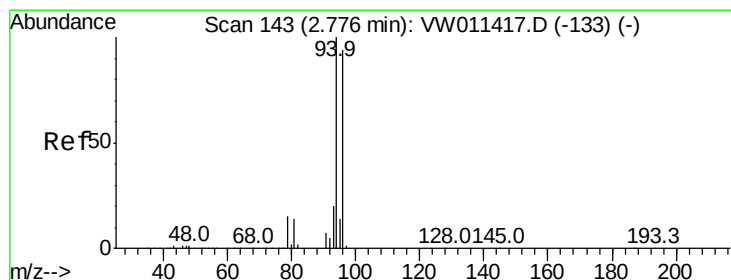
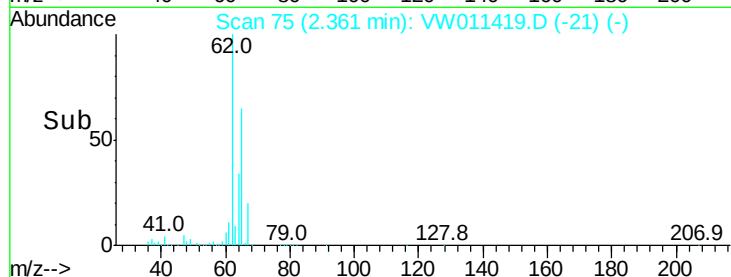
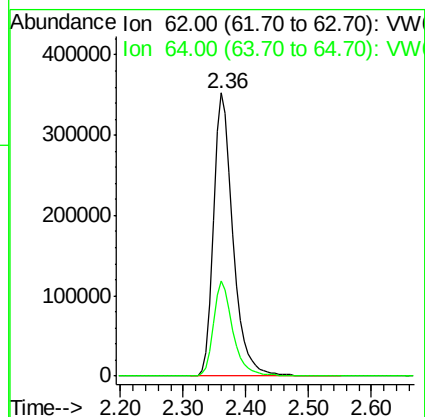
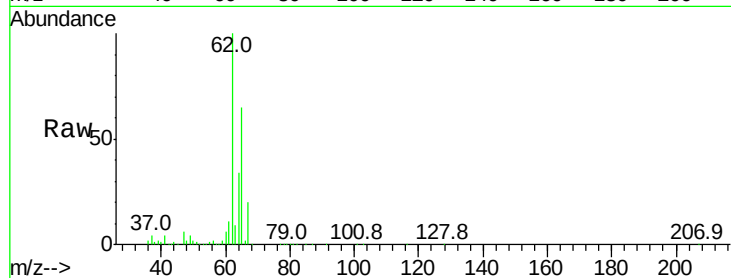
VSTD10002

Tgt Ion: 62 Resp: 757158

Ion Ratio Lower Upper

62 100

64 33.8 23.3 43.3



#6

Bromomethane

Concen: 102.017 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011419.D

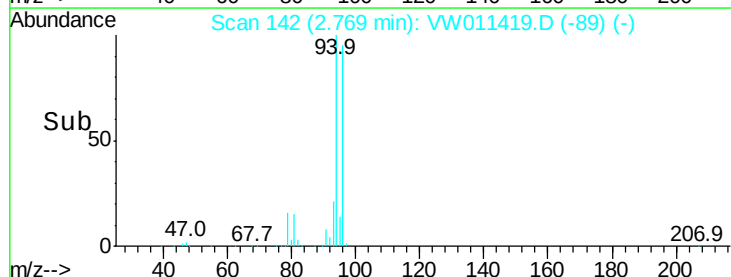
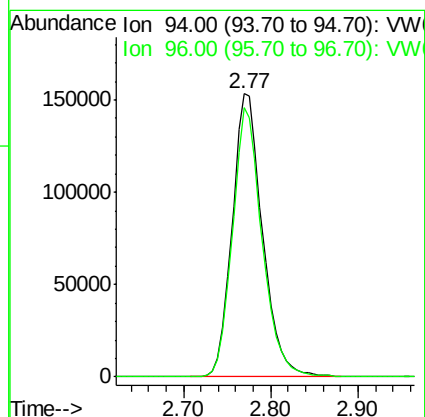
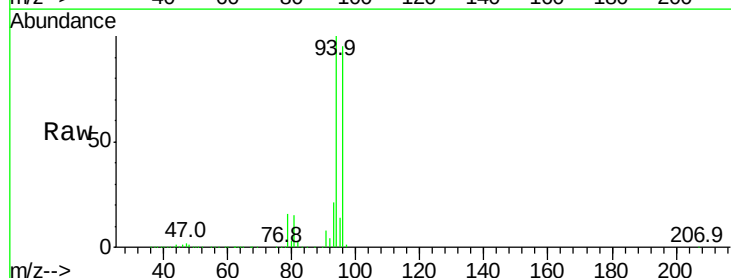
Acq: 22 Jul 2019 14:04

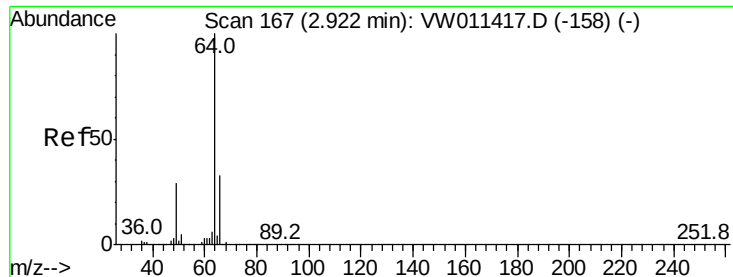
Tgt Ion: 94 Resp: 369846

Ion Ratio Lower Upper

94 100

96 93.0 9.4 178.8





#8

Chloroethane

Concen: 104.913 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

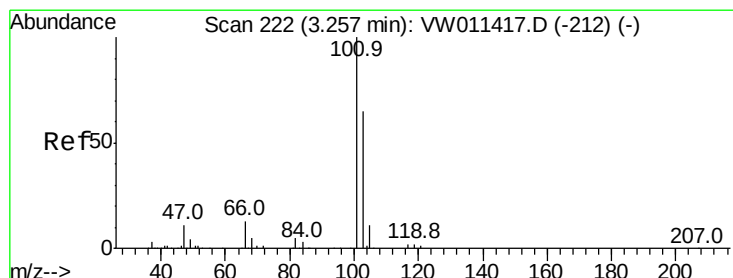
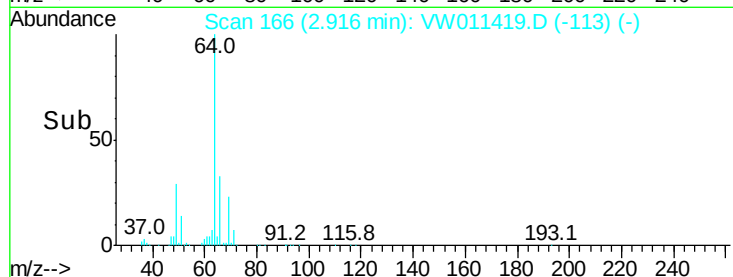
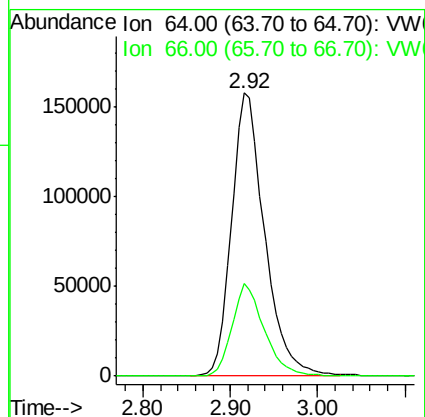
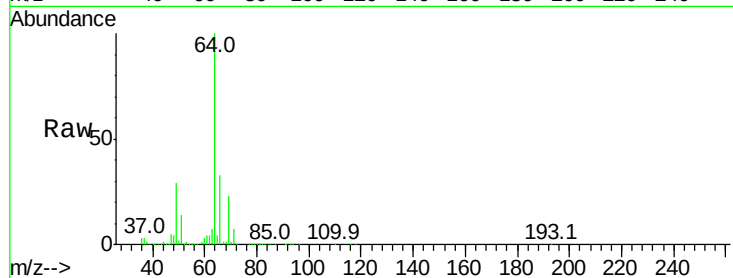
VSTD10002

Tgt Ion: 64 Resp: 410909

Ion Ratio Lower Upper

64 100

66 32.5 22.7 42.3



#9

Trichlorofluoromethane

Concen: 153.150 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW011419.D

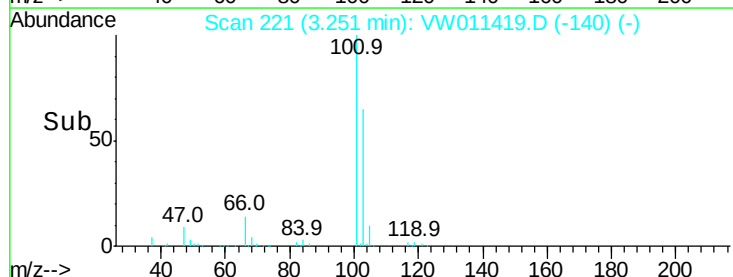
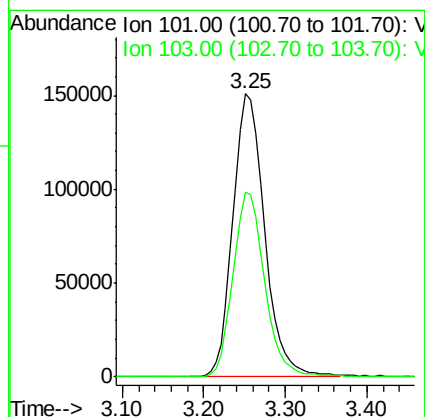
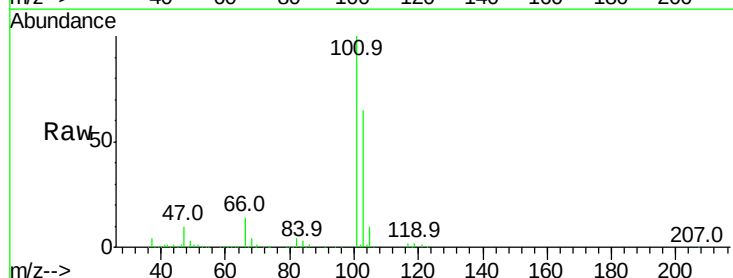
Acq: 22 Jul 2019 14:04

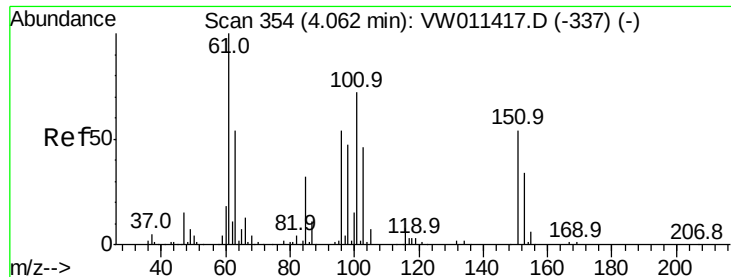
Tgt Ion: 101 Resp: 406332

Ion Ratio Lower Upper

101 100

103 64.7 45.2 84.0





#11

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

Concen: 101.586 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

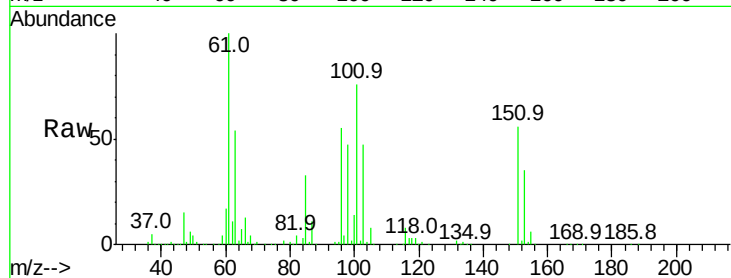
Tgt Ion:101 Resp: 600549

Ion Ratio Lower Upper

101 100

85 43.7 35.2 52.8

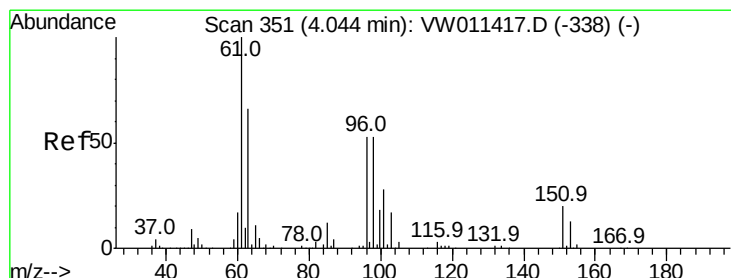
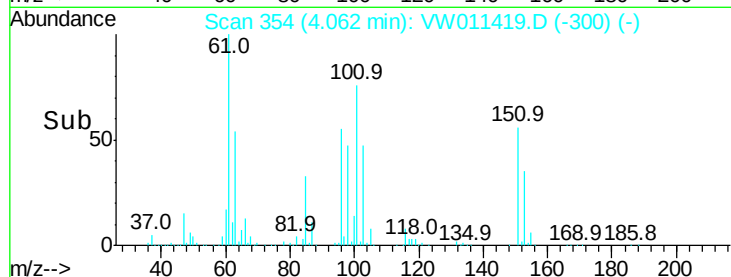
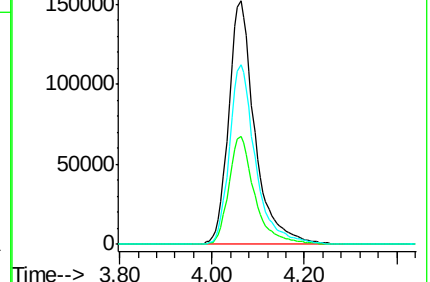
151 73.2 58.6 87.8



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: 103.598 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

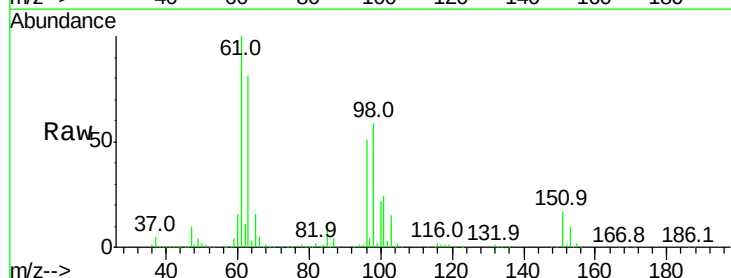
Tgt Ion: 96 Resp: 605333

Ion Ratio Lower Upper

96 100

61 195.8 133.2 247.4

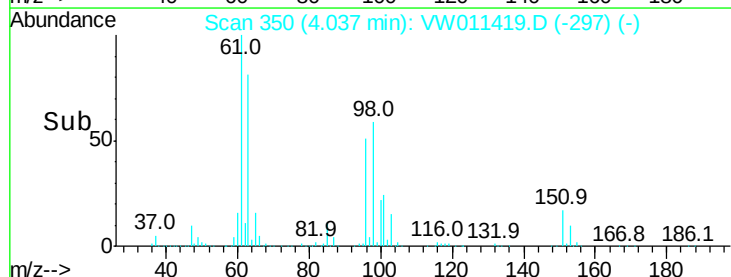
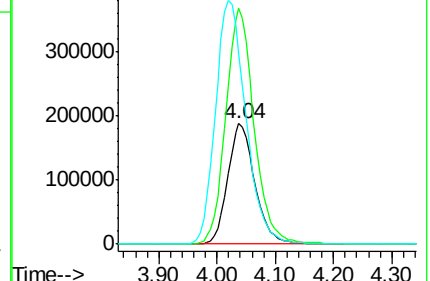
63 158.5 89.9 166.9

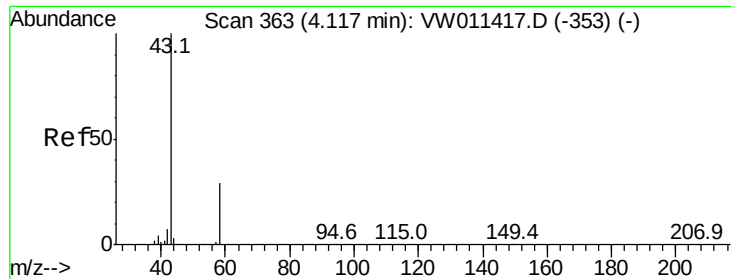


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 194.547 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

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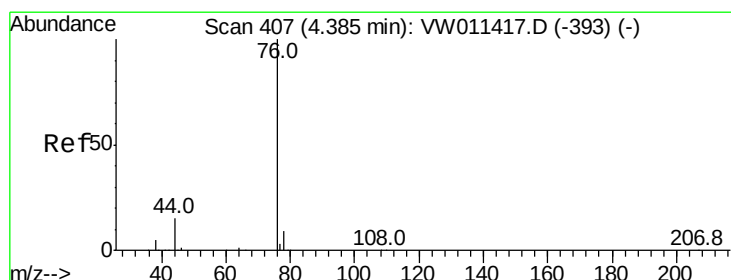
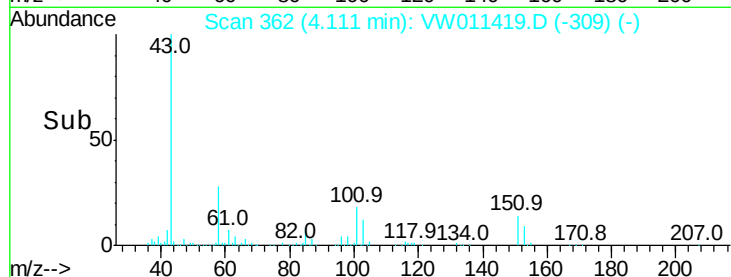
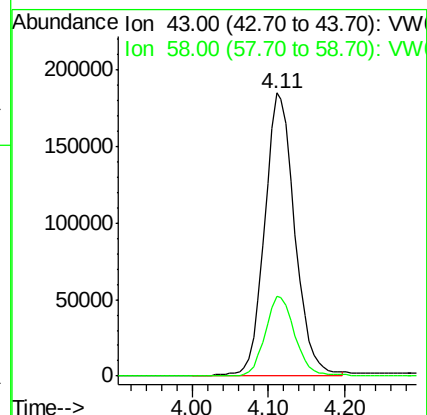
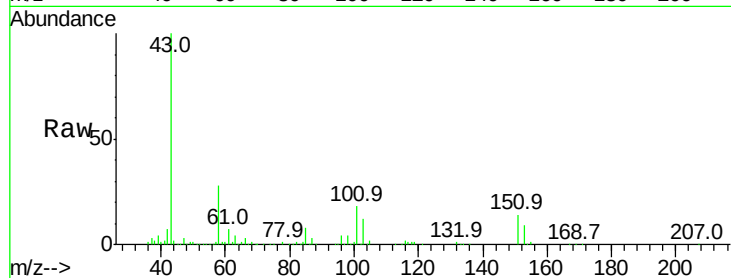
VSTD10002

Tgt Ion: 43 Resp: 508203

Ion Ratio Lower Upper

43 100

58 27.0 0.0 57.2



#14

Carbon disulfide

Concen: 117.163 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011419.D

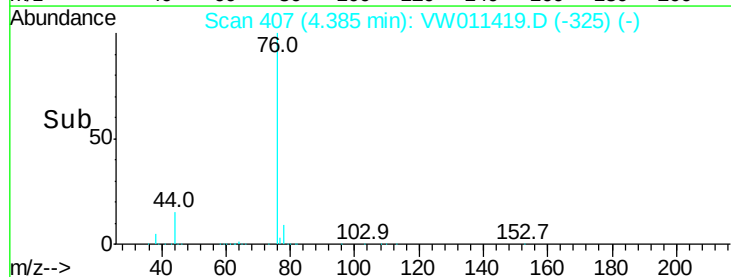
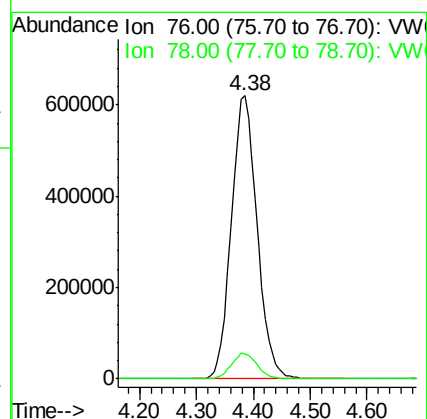
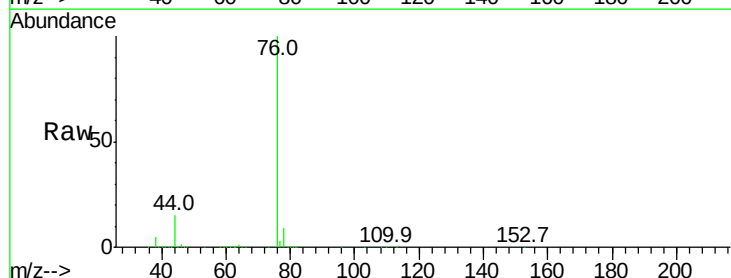
Acq: 22 Jul 2019 14:04

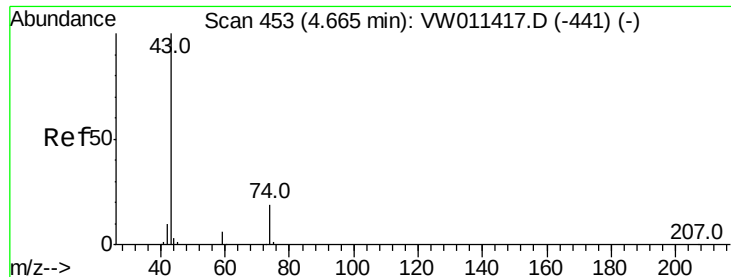
Tgt Ion: 76 Resp: 1958318

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9





#15

Methyl Acetate

Concen: 101.789 ug/L

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

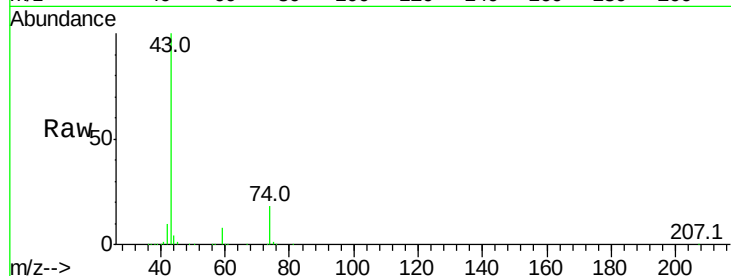
VSTD10002

Tgt Ion: 43 Resp: 432664

Ion Ratio Lower Upper

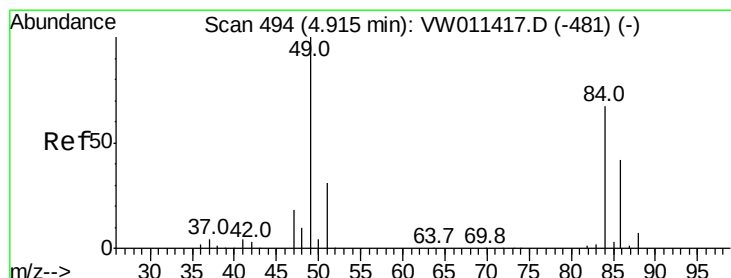
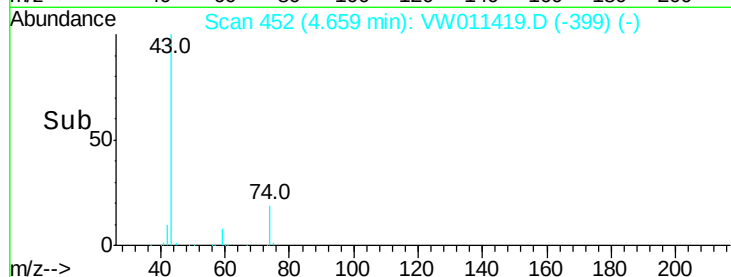
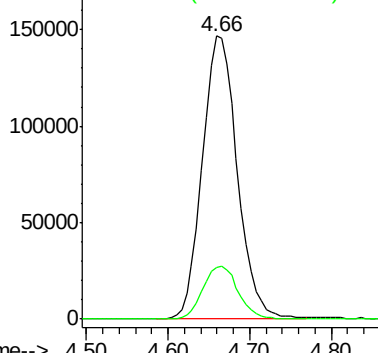
43 100

74 19.0 15.2 22.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 94.371 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

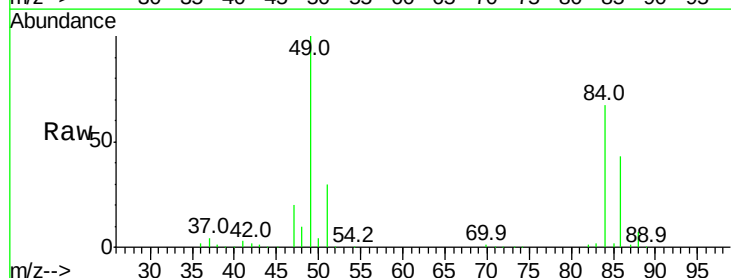
Tgt Ion: 84 Resp: 616600

Ion Ratio Lower Upper

84 100

49 148.4 104.0 193.2

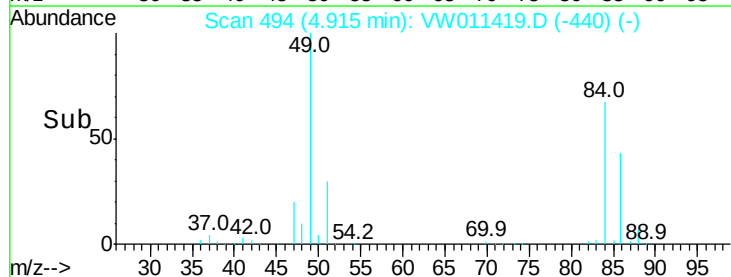
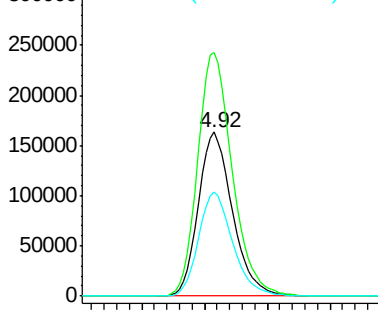
86 63.3 44.0 81.8

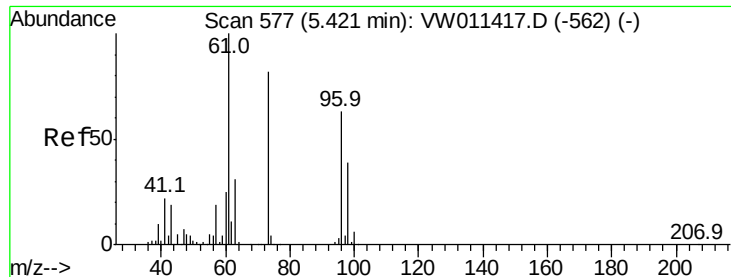


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

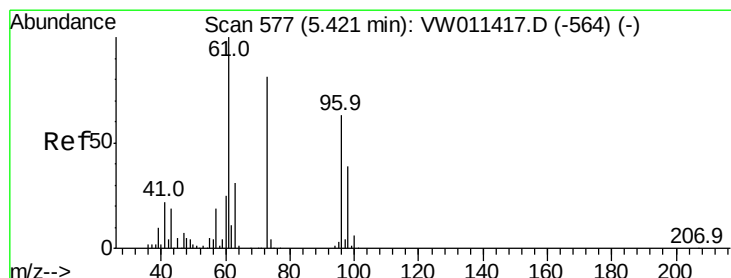
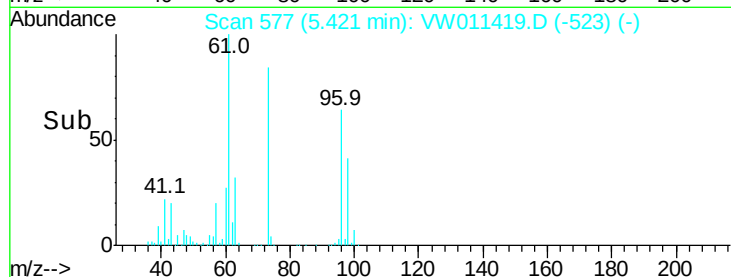
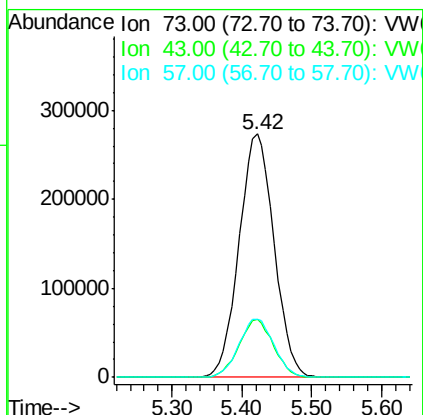
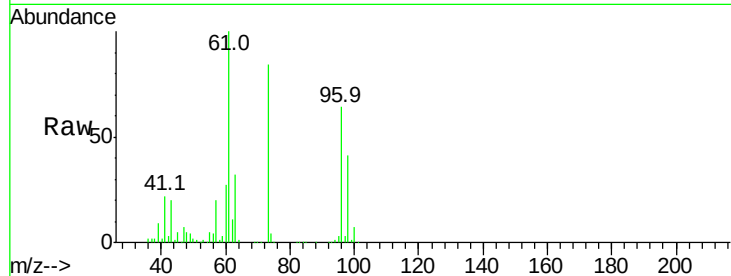




#17
Methyl tert-butyl Ether
Concen: 104.600 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011419.D
Acq: 22 Jul 2019 14:04

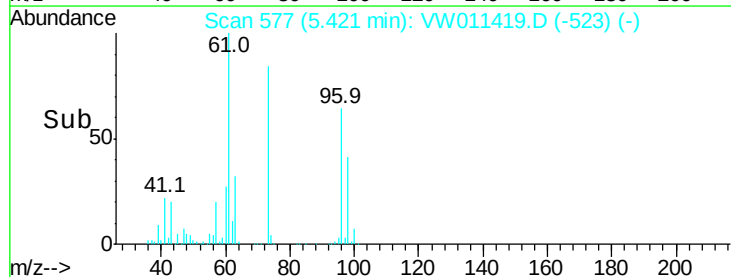
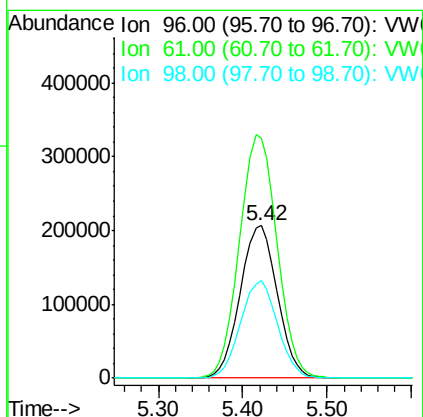
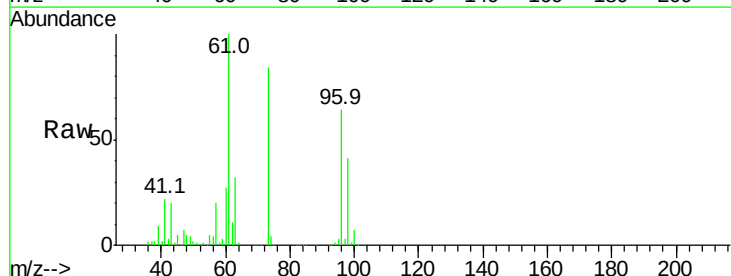
Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

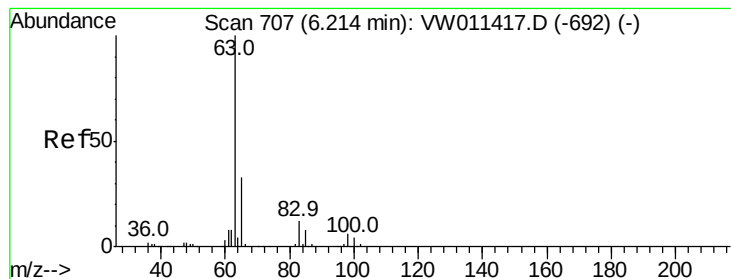
Tgt Ion: 73 Resp: 947831
Ion Ratio Lower Upper
73 100
43 23.5 19.0 28.4
57 24.3 19.8 29.6



#18
trans-1,2-Dichloroethene
Concen: 105.228 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011419.D
Acq: 22 Jul 2019 14:04

Tgt Ion: 96 Resp: 621313
Ion Ratio Lower Upper
96 100
61 157.4 111.7 207.5
98 63.9 43.4 80.6





#19

1,1-Dichloroethane

Concen: 103.547 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Instrument :

MSVOA_W

ClientSampled :

VSTD10002

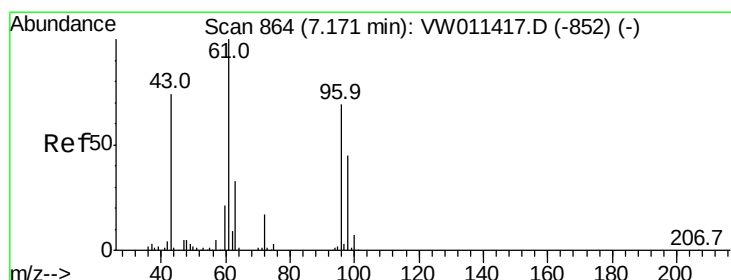
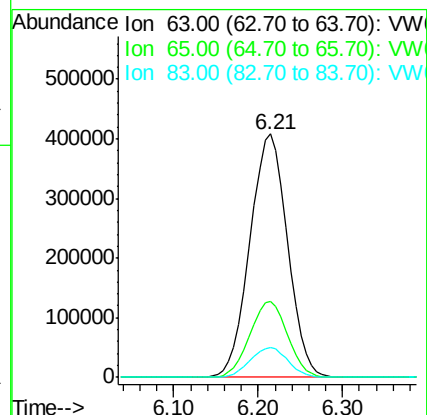
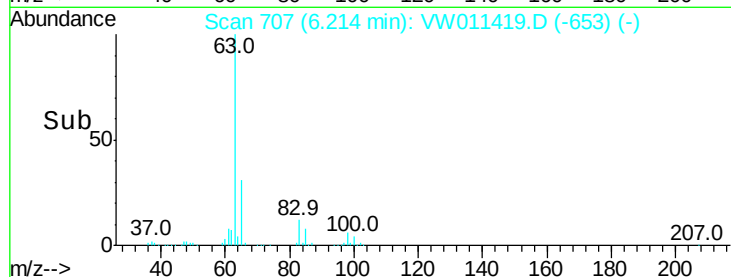
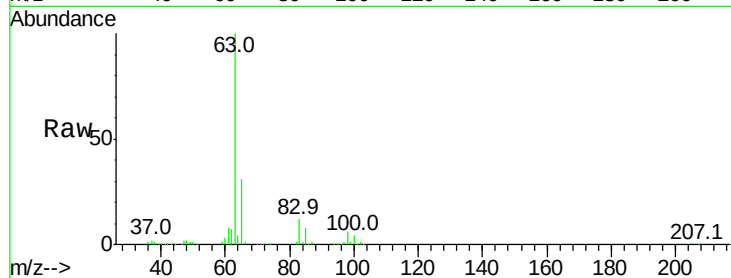
Tgt Ion: 63 Resp: 1241180

Ion Ratio Lower Upper

63 100

65 31.3 22.8 42.4

83 12.4 8.6 16.0



#21

2-Butanone

Concen: 203.106 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011419.D

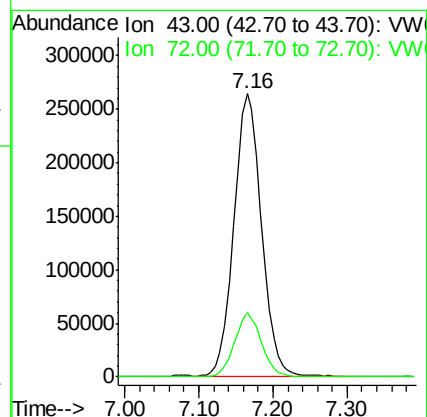
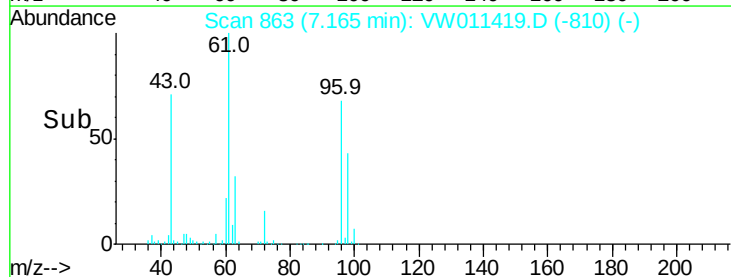
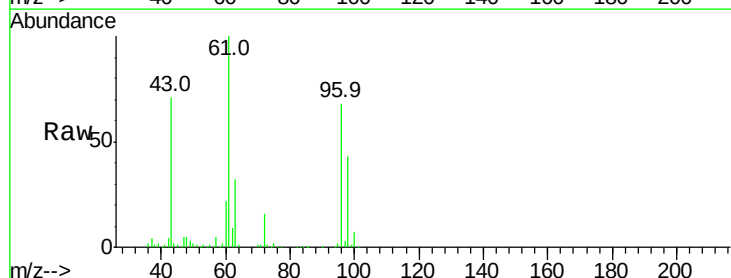
Acq: 22 Jul 2019 14:04

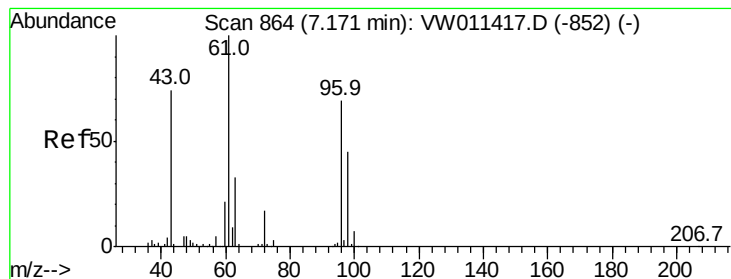
Tgt Ion: 43 Resp: 684915

Ion Ratio Lower Upper

43 100

72 22.2 10.5 31.6



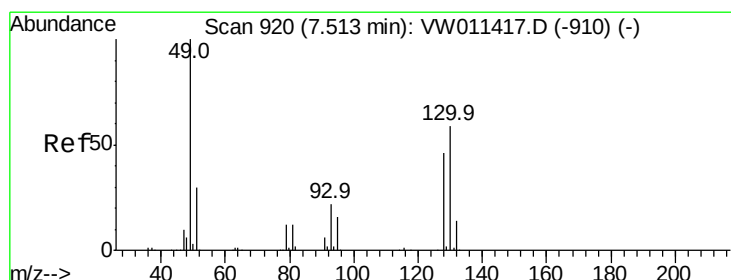
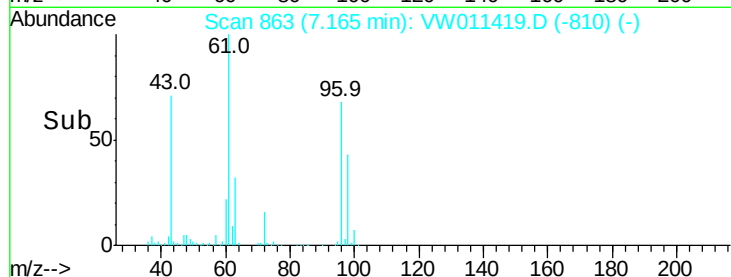
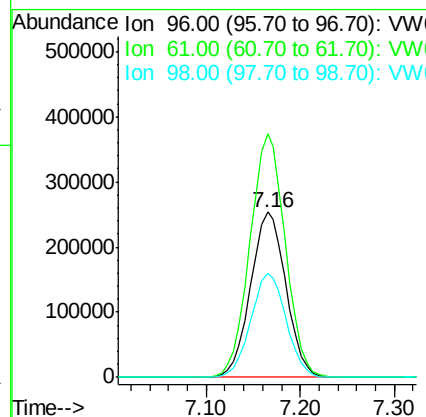
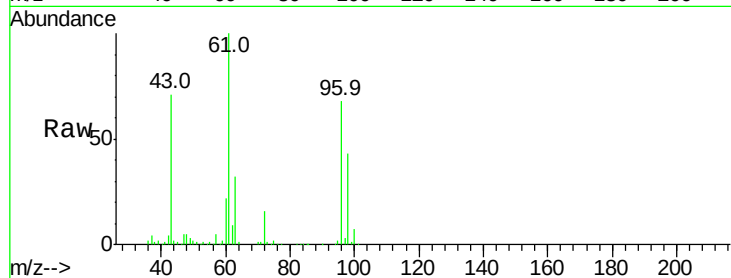


#22

cis-1,2-Dichloroethene
Concen: 104.372 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011419.D
Acq: 22 Jul 2019 14:04

Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

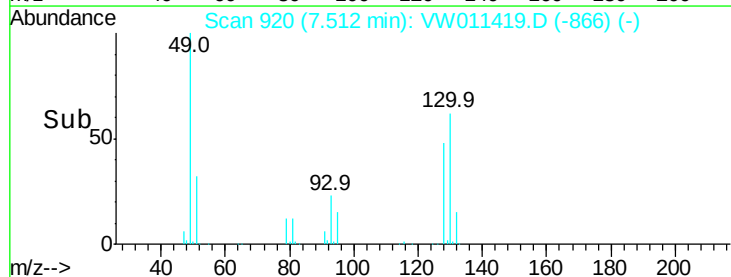
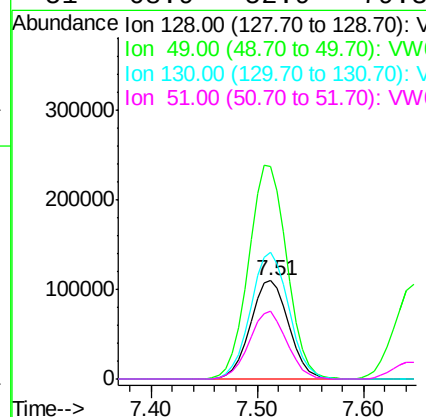
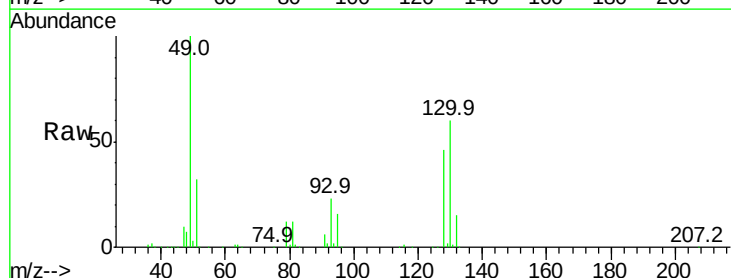
Tgt Ion: 96 Resp: 667068
Ion Ratio Lower Upper
96 100
61 147.4 101.8 189.0
98 63.1 45.4 84.2

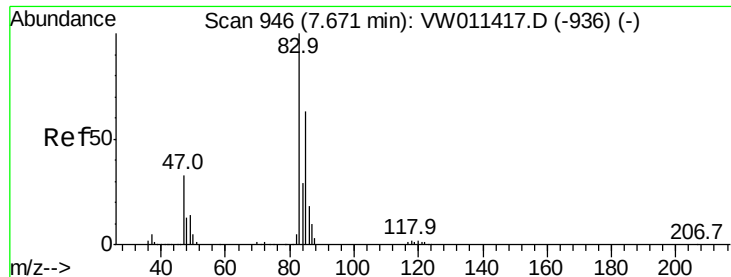


#23

Bromochloromethane
Concen: 103.496 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011419.D
Acq: 22 Jul 2019 14:04

Tgt Ion: 128 Resp: 277552
Ion Ratio Lower Upper
128 100
49 216.1 152.0 282.2
130 129.4 89.8 166.8
51 68.9 52.9 79.3





#25

Chloroform

Concen: 98.307 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

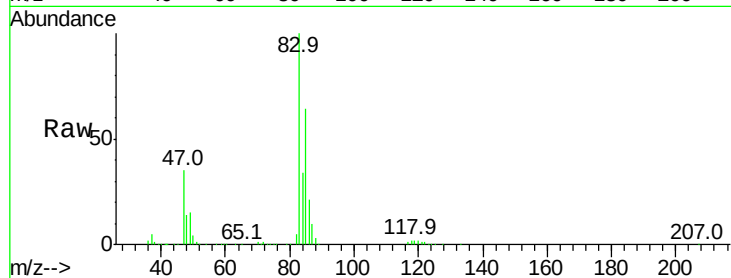
VSTD10002

Tgt Ion: 83 Resp: 1116175

Ion Ratio Lower Upper

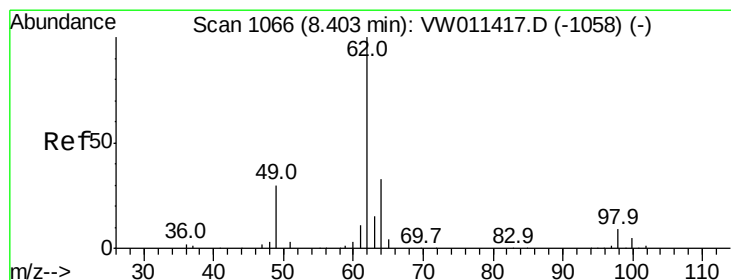
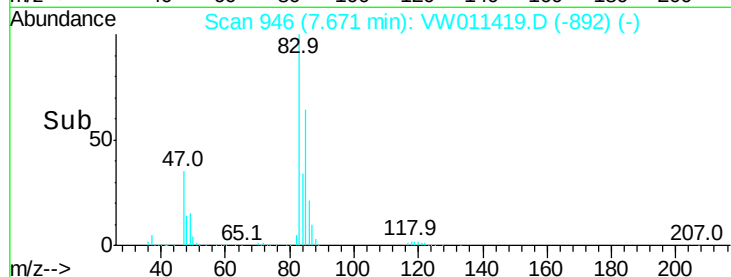
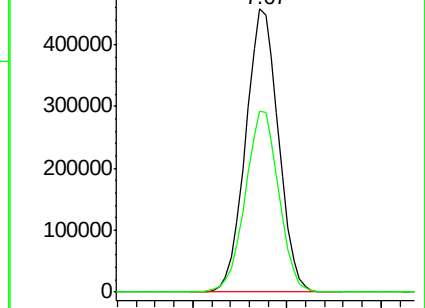
83 100

85 65.2 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 94.674 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW011419.D

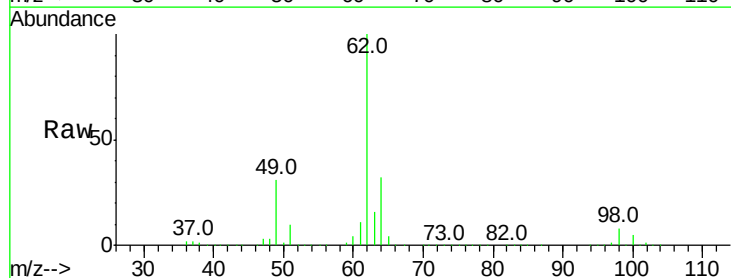
Acq: 22 Jul 2019 14:04

Tgt Ion: 62 Resp: 821686

Ion Ratio Lower Upper

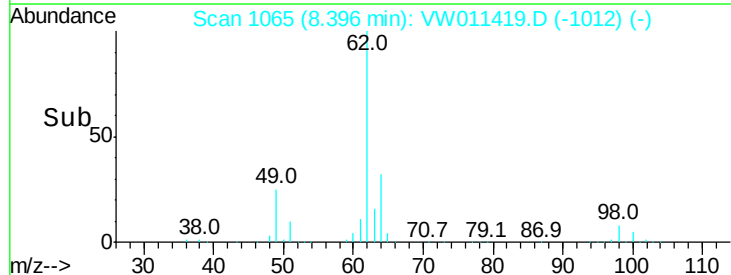
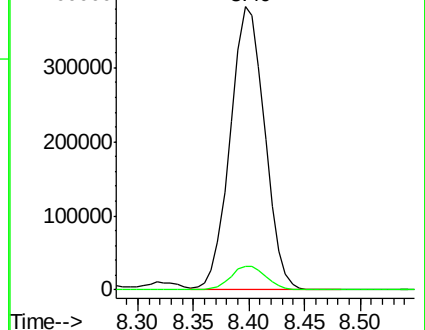
62 100

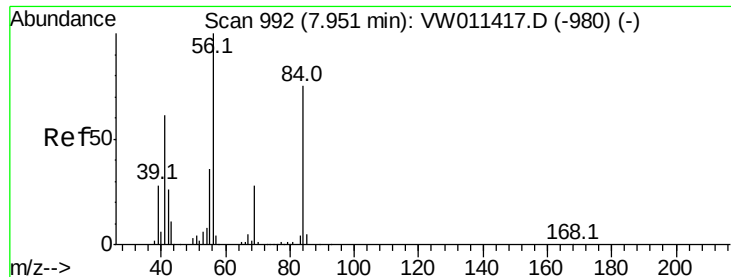
98 8.4 7.1 10.7



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

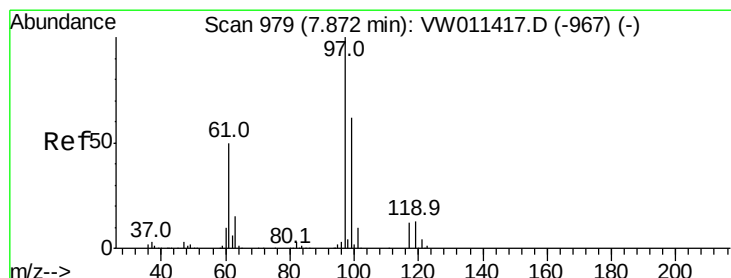
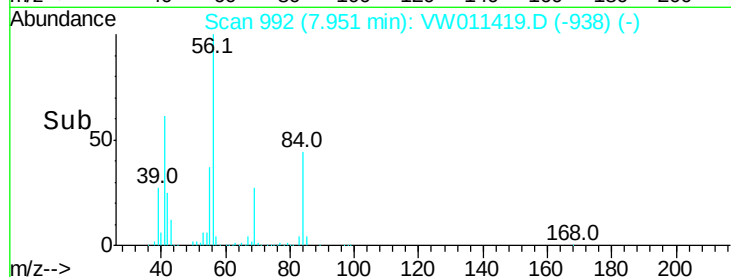
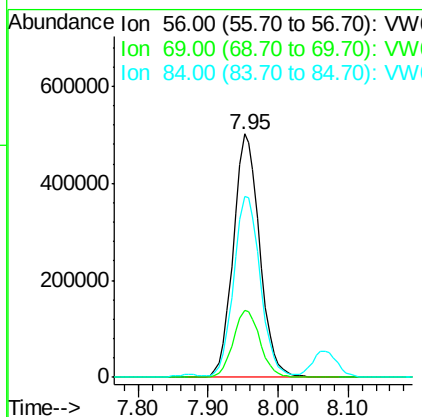
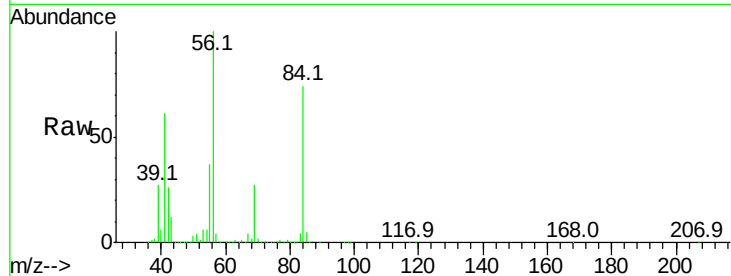




#30
Cyclohexane
Concen: 107.749 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011419.D
Acq: 22 Jul 2019 14:04

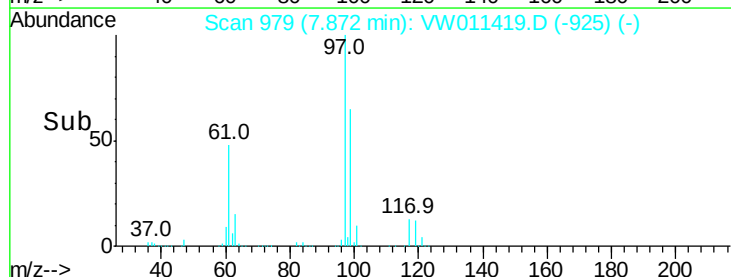
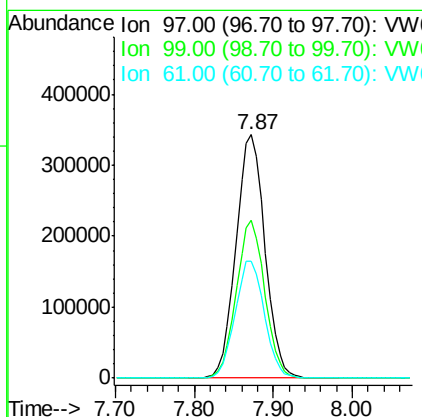
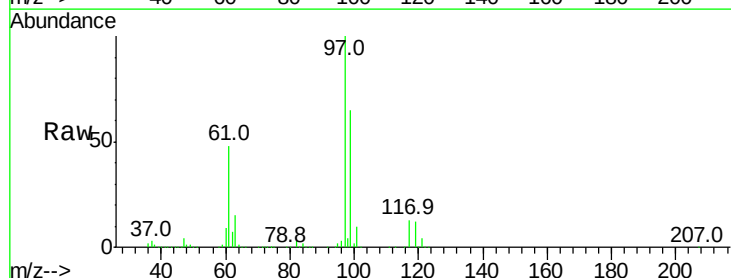
Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

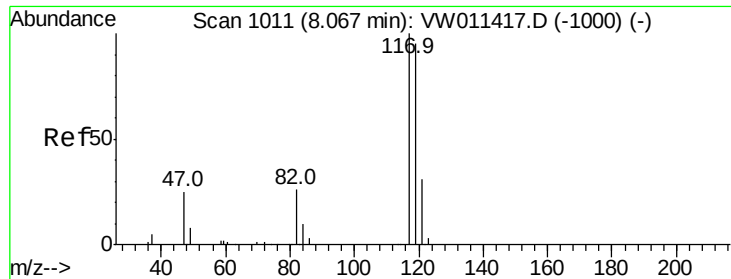
Tgt Ion: 56 Resp: 1310749
Ion Ratio Lower Upper
56 100
69 27.9 22.6 34.0
84 75.5 60.4 90.6



#31
1,1,1-Trichloroethane
Concen: 105.519 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011419.D
Acq: 22 Jul 2019 14:04

Tgt Ion: 97 Resp: 876244
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.6
61 48.9 39.4 59.2





#32

Carbon tetrachloride

Concen: 107.880 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

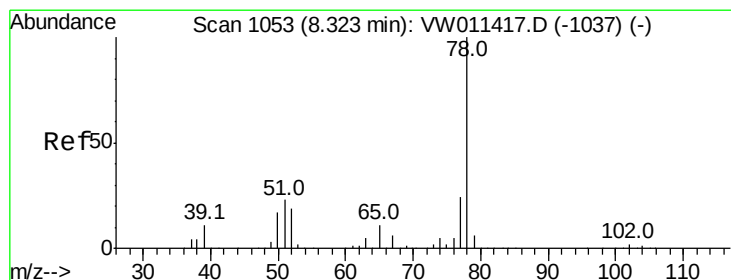
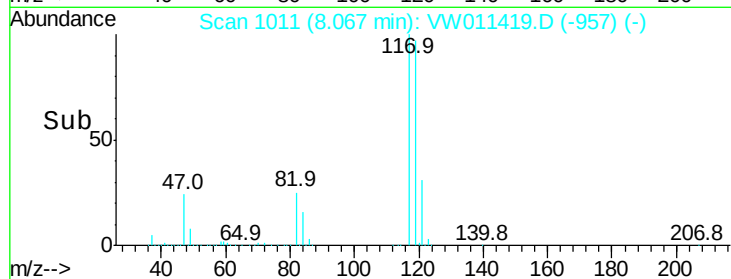
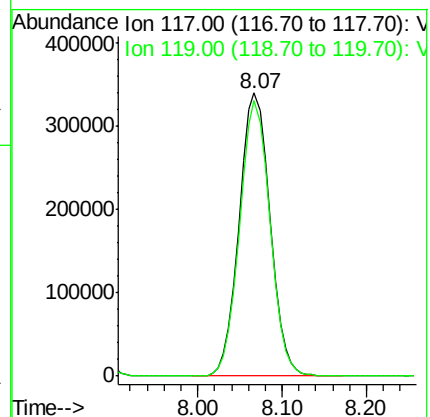
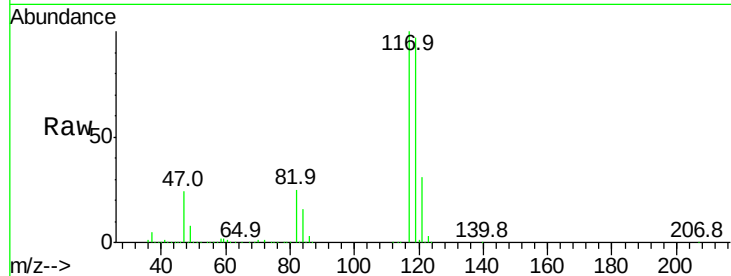
VSTD10002

Tgt Ion:117 Resp: 840163

Ion Ratio Lower Upper

117 100

119 95.6 76.6 114.8



#34

Benzene

Concen: 101.945 ug/L

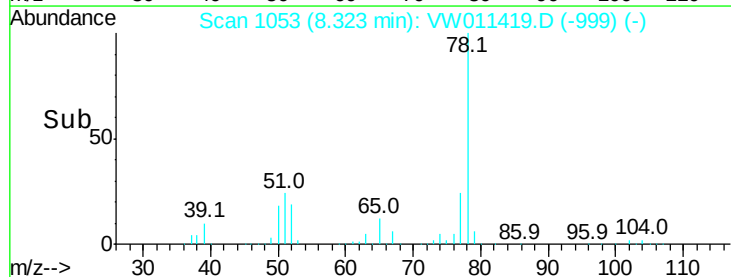
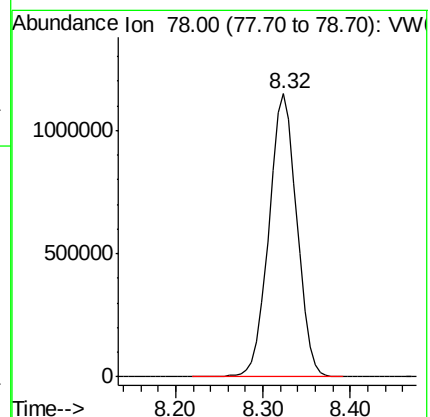
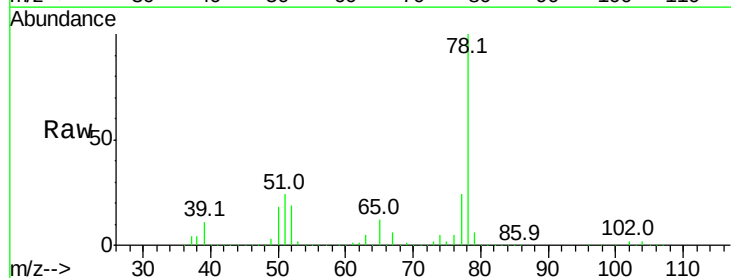
RT: 8.32 min Scan# 1053

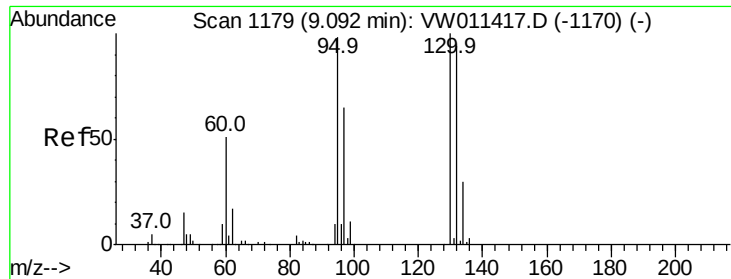
Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Tgt Ion: 78 Resp: 2549259





#35

Trichloroethene

Concen: 103.751 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

Tgt Ion: 95 Resp: 654701

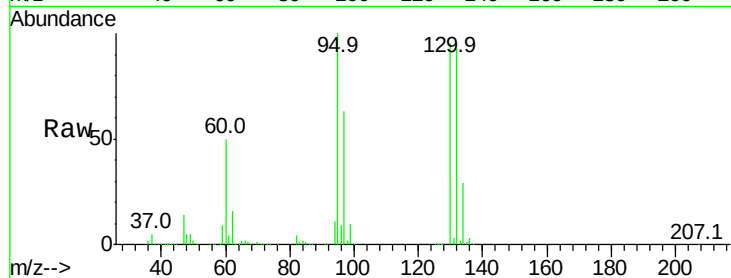
Ion Ratio Lower Upper

95 100

97 64.0 44.6 82.8

132 92.4 66.0 122.6

130 96.8 68.4 127.0

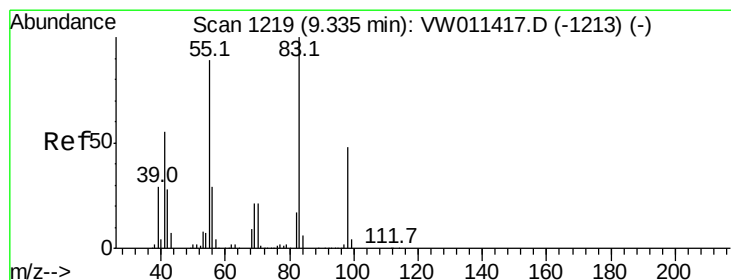
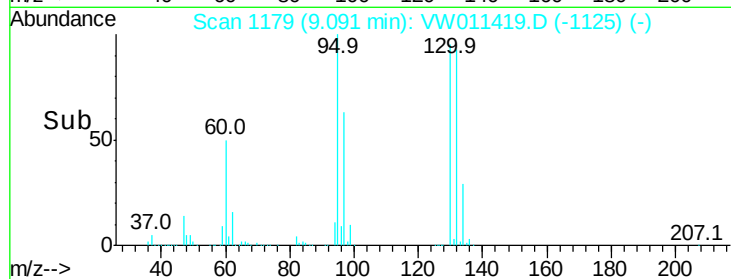
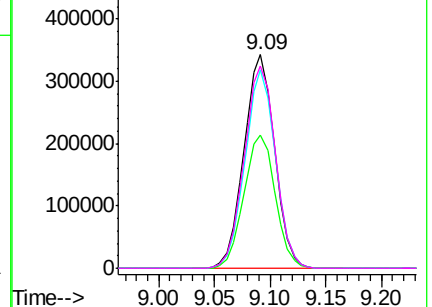


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 105.117 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

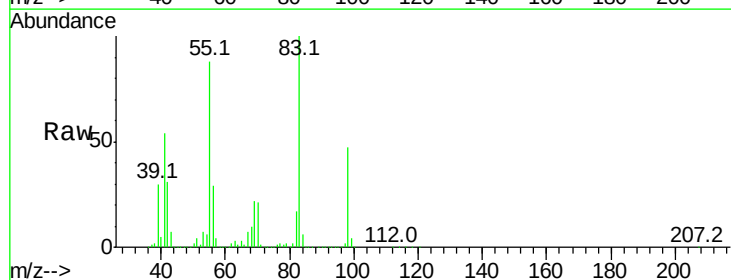
Tgt Ion: 83 Resp: 1193694

Ion Ratio Lower Upper

83 100

55 89.5 71.5 107.3

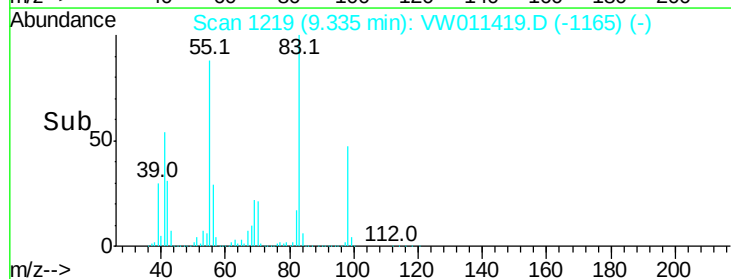
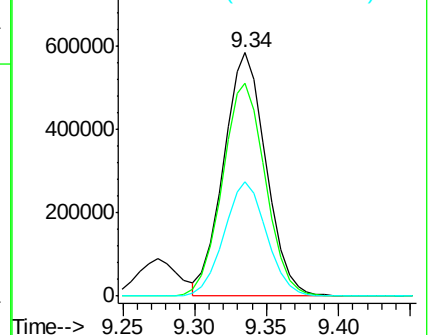
98 47.6 37.4 56.2

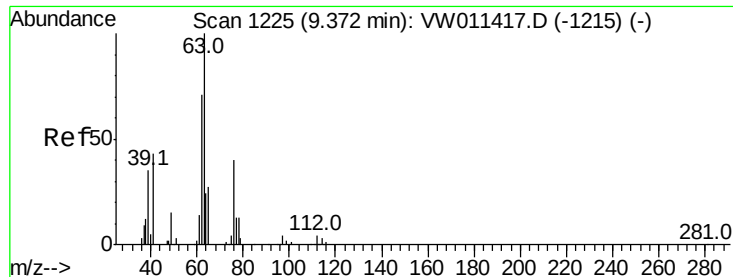


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 101.532 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

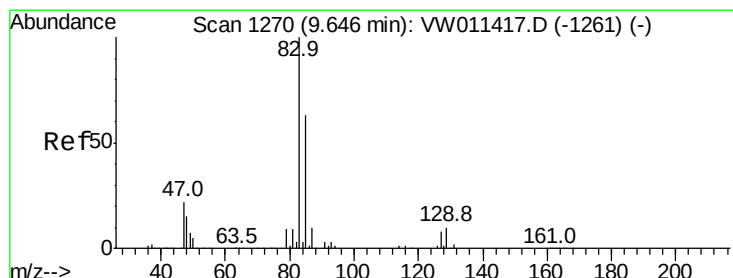
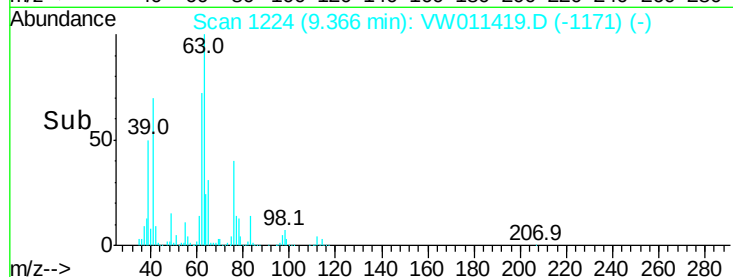
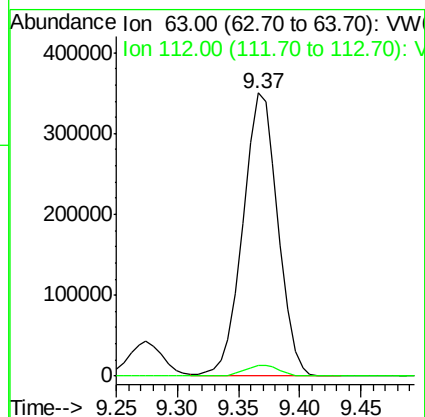
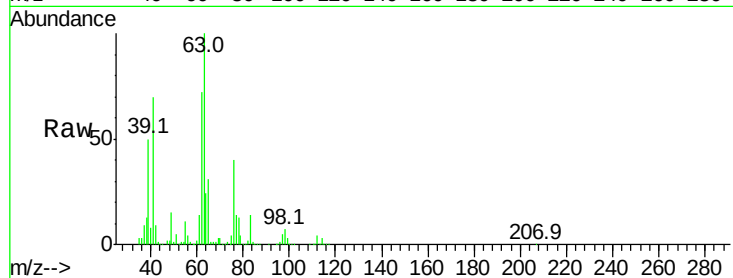
VSTD10002

Tgt Ion: 63 Resp: 695712

Ion Ratio Lower Upper

63 100

112 3.9 3.2 4.8



#41

Bromodichloromethane

Concen: 106.497 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

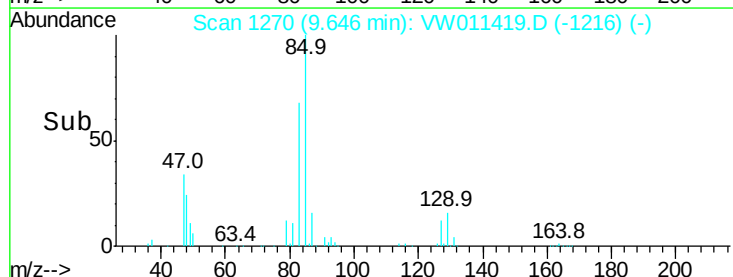
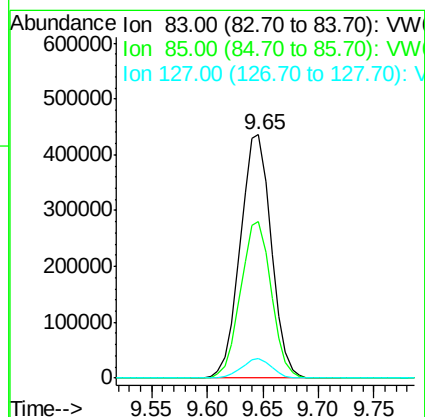
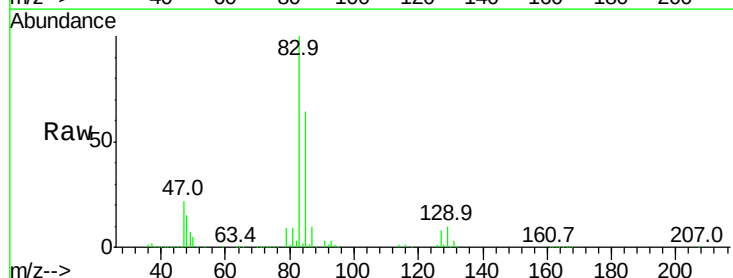
Tgt Ion: 83 Resp: 841322

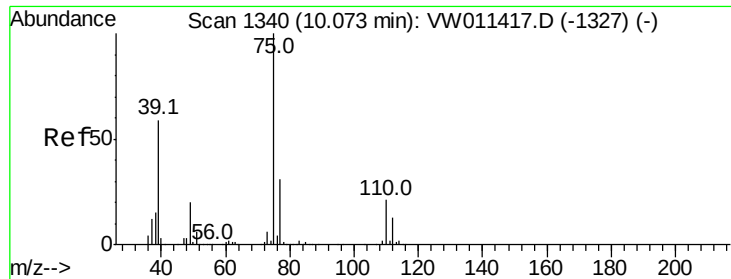
Ion Ratio Lower Upper

83 100

85 64.1 44.3 82.3

127 7.8 6.6 9.8





#42

cis-1,3-Dichloropropene

Concen: 110.438 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

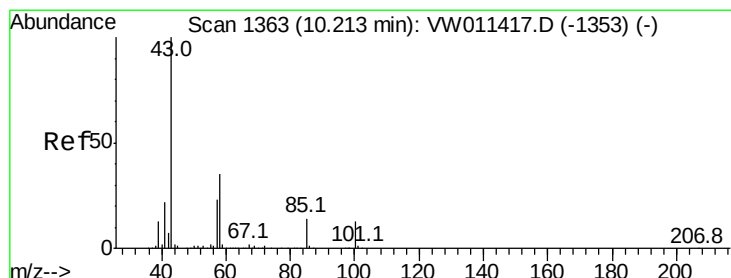
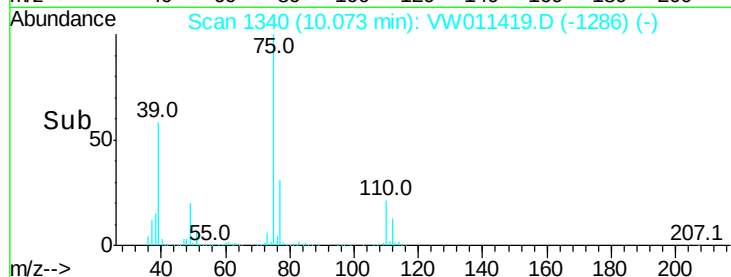
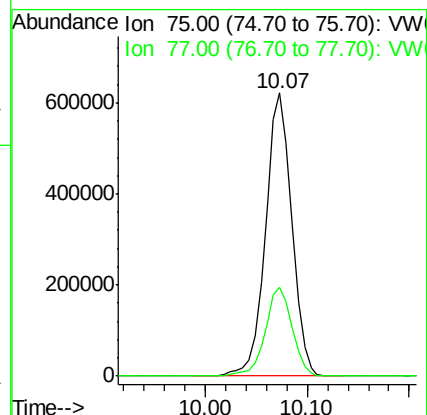
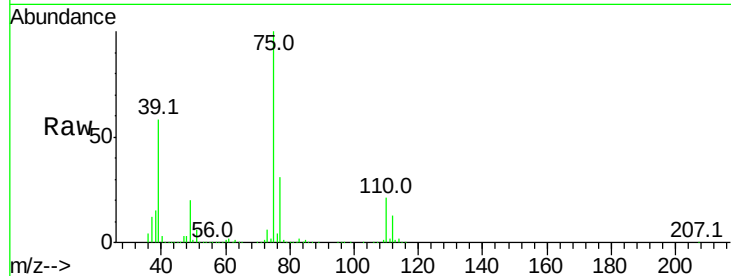
VSTD10002

Tgt Ion: 75 Resp: 1116557

Ion Ratio Lower Upper

75 100

77 31.5 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 194.015 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

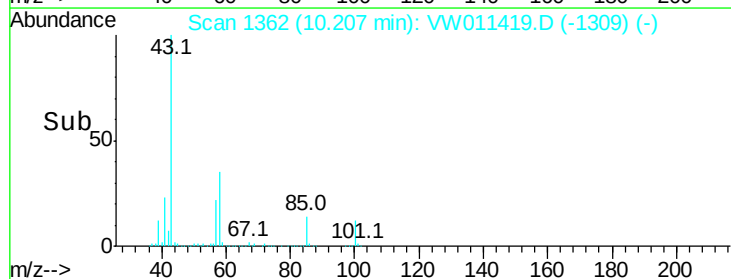
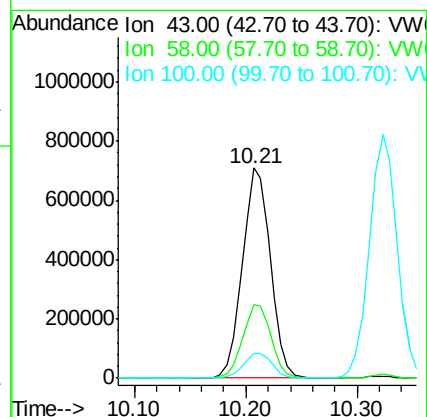
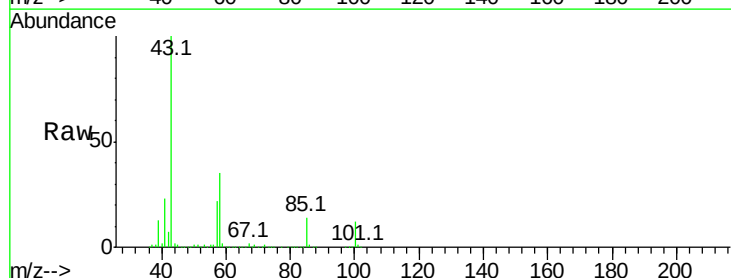
Tgt Ion: 43 Resp: 1232384

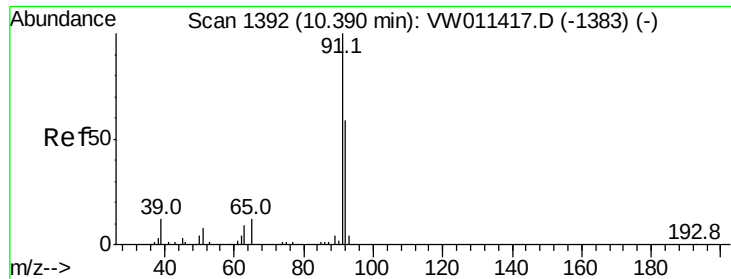
Ion Ratio Lower Upper

43 100

58 35.3 28.0 42.0

100 12.0 9.8 14.8





#44

Toluene

Concen: 103.184 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

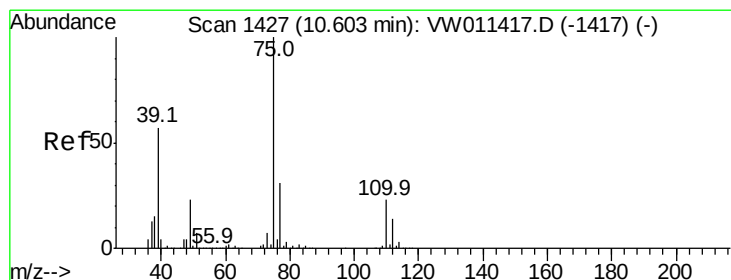
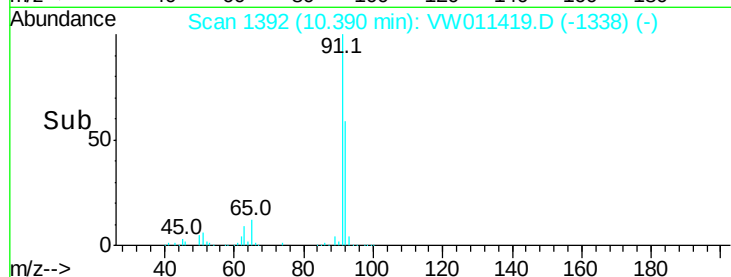
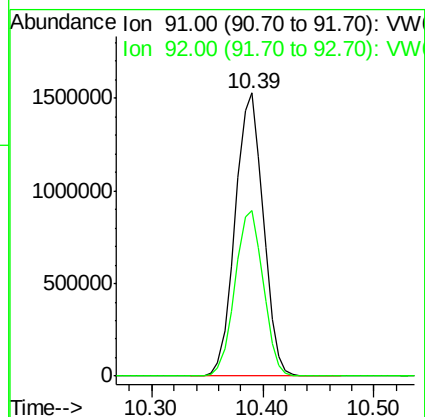
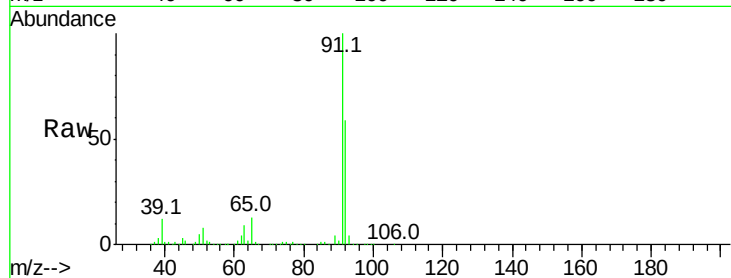
VSTD10002

Tgt Ion: 91 Resp: 2670701

Ion Ratio Lower Upper

91 100

92 58.7 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 109.804 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011419.D

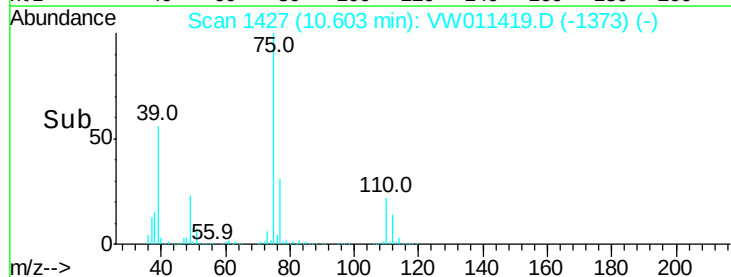
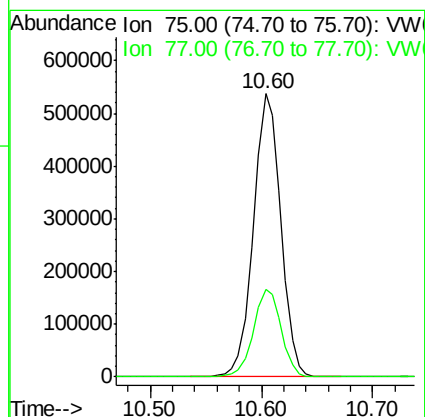
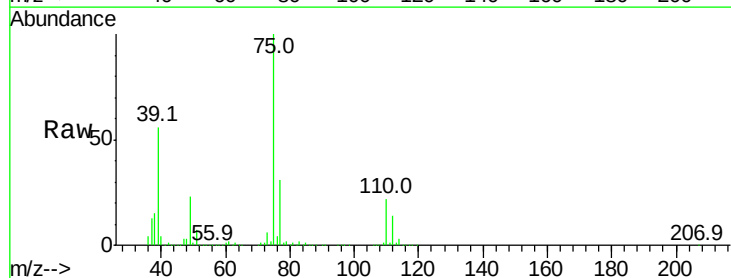
Acq: 22 Jul 2019 14:04

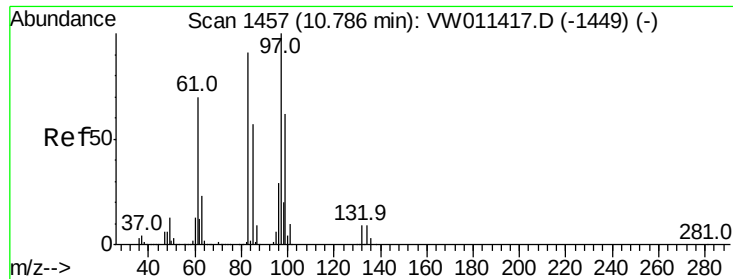
Tgt Ion: 75 Resp: 918583

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 99.459 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

Tgt Ion: 97 Resp: 471943

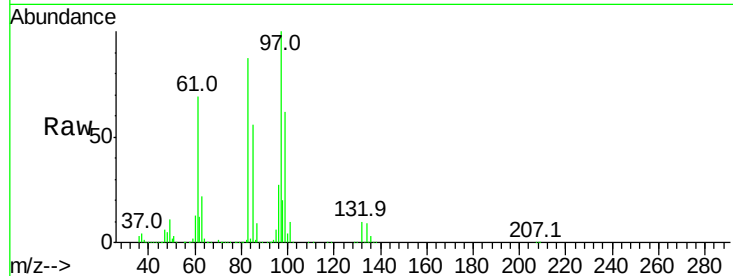
Ion Ratio Lower Upper

97 100

83 87.3 63.8 118.6

85 55.9 40.0 74.4

99 61.6 43.1 80.1



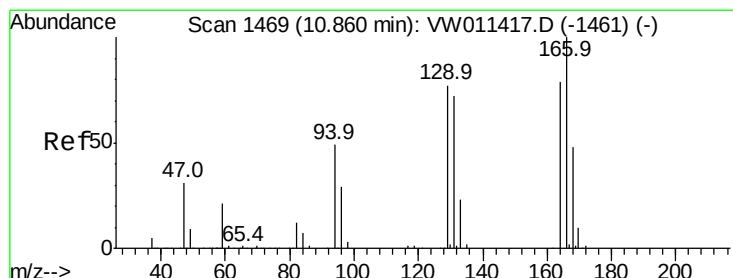
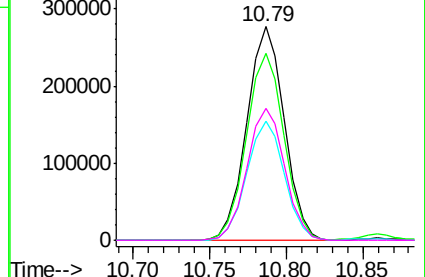
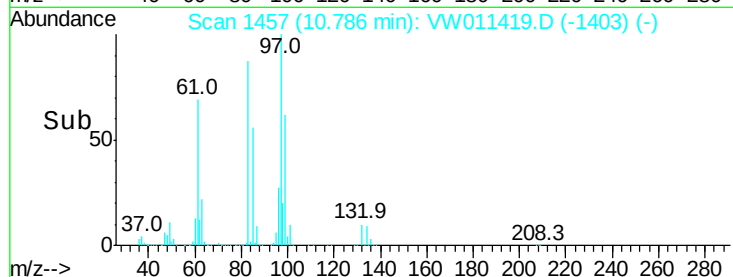
Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

Time-->



#47

Tetrachloroethene

Concen: 105.617 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Tgt Ion: 164 Resp: 503701

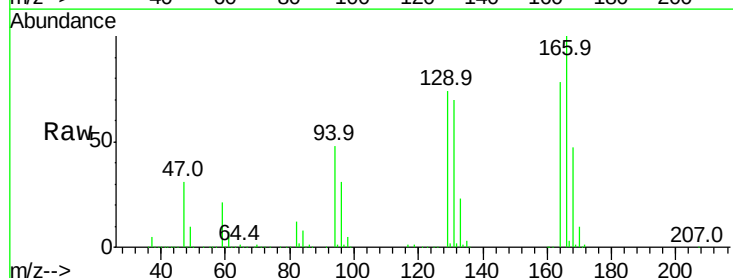
Ion Ratio Lower Upper

164 100

129 94.4 69.0 128.1

131 89.8 64.5 119.7

166 127.4 89.2 165.6



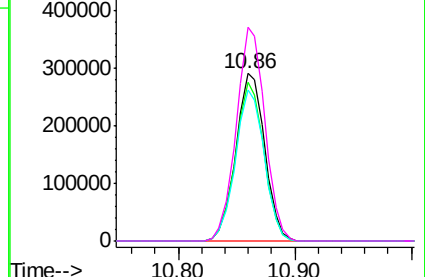
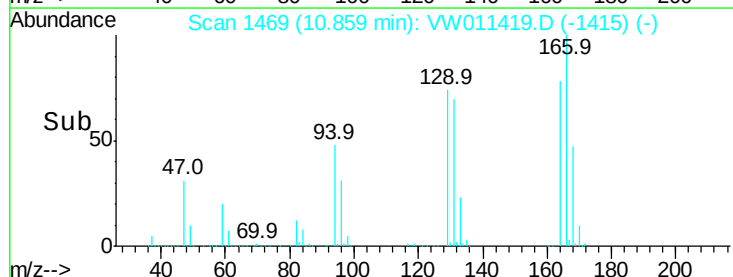
Abundance Ion 164.00 (163.70 to 164.70): V

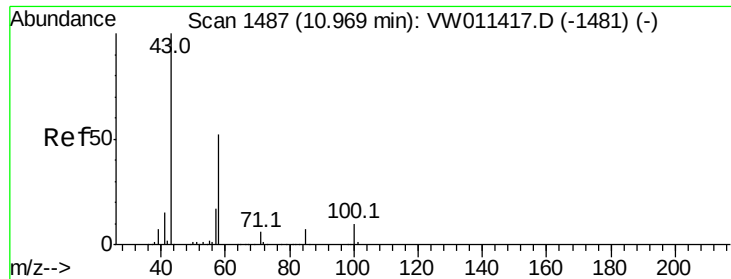
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time-->





#49

2-Hexanone

Concen: 204.467 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

Tgt Ion: 43 Resp: 945371

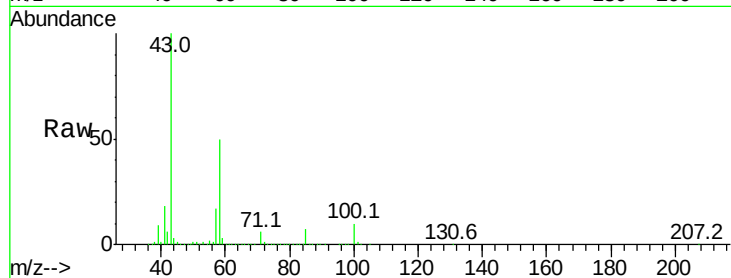
Ion Ratio Lower Upper

43 100

58 48.8 40.1 60.1

57 17.1 13.8 20.6

100 9.6 7.8 11.6

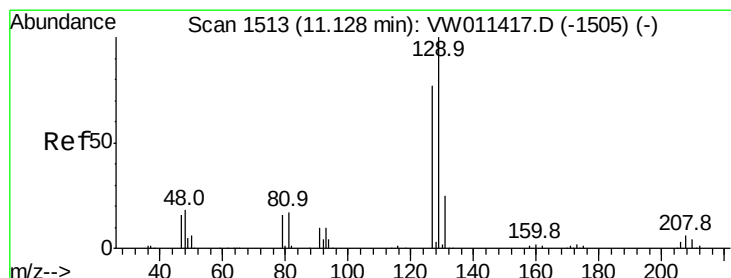
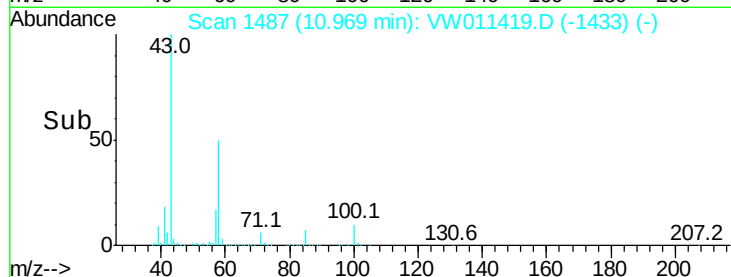
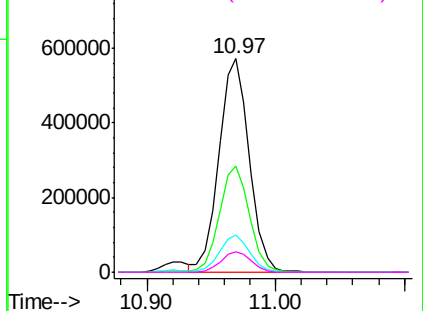


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 109.601 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW011419.D

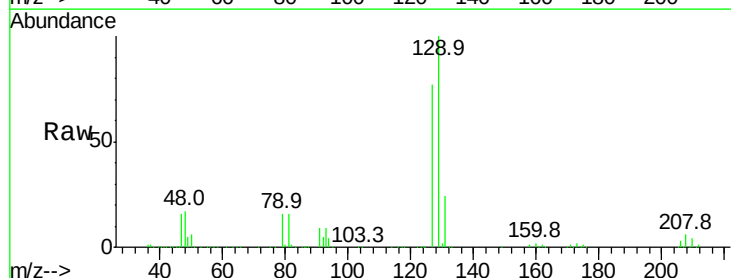
Acq: 22 Jul 2019 14:04

Tgt Ion: 129 Resp: 553809

Ion Ratio Lower Upper

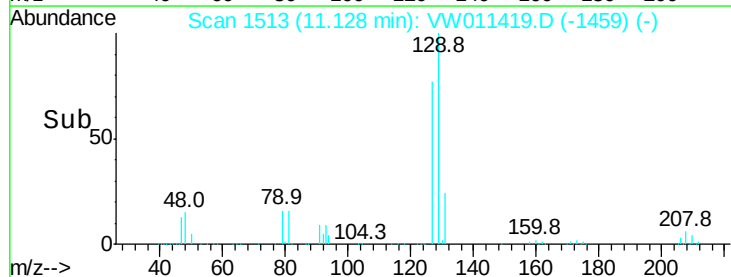
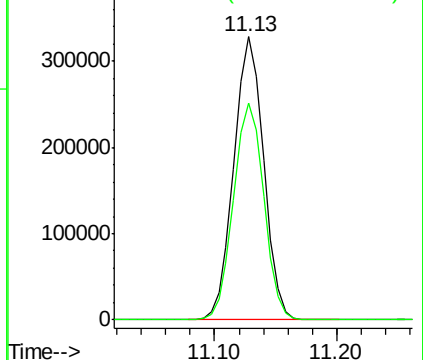
129 100

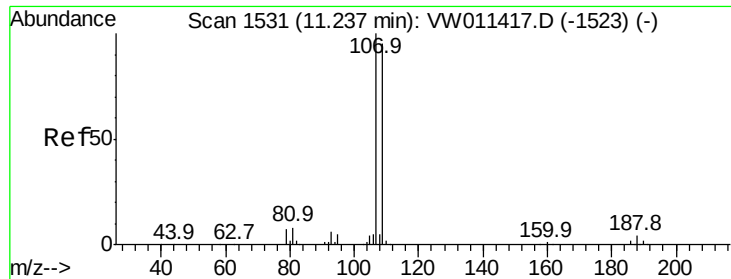
127 76.8 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

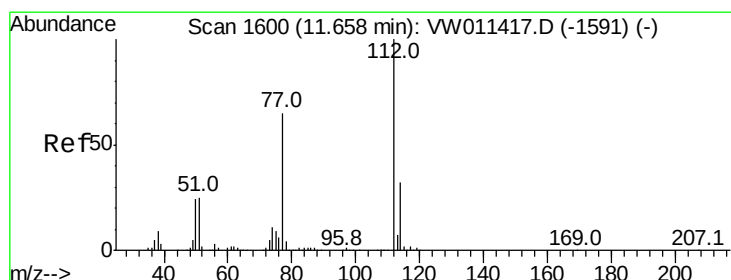
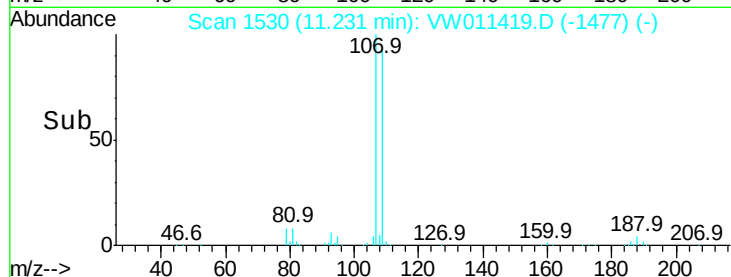
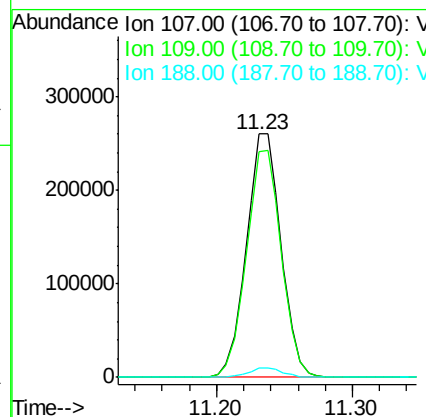
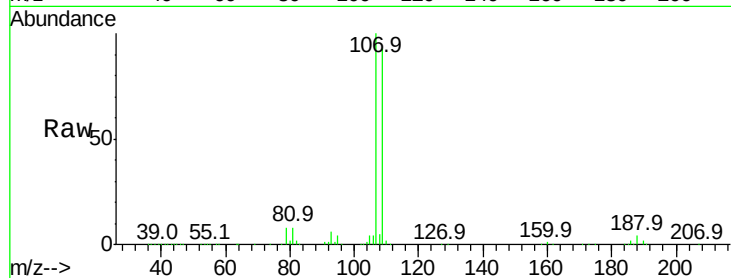




#51
 1,2-Dibromoethane
 Concen: 101.052 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011419.D
 Acq: 22 Jul 2019 14:04

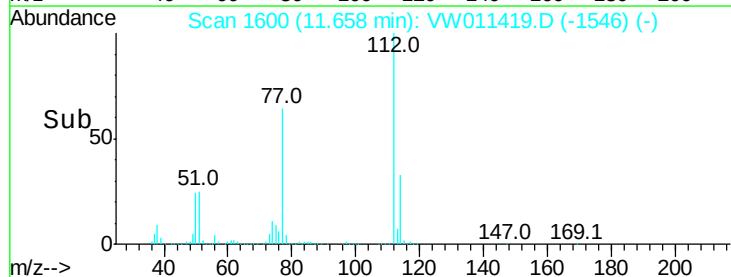
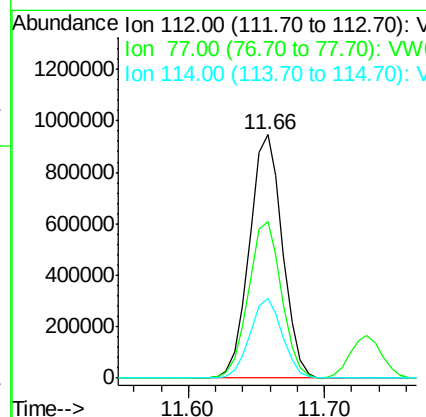
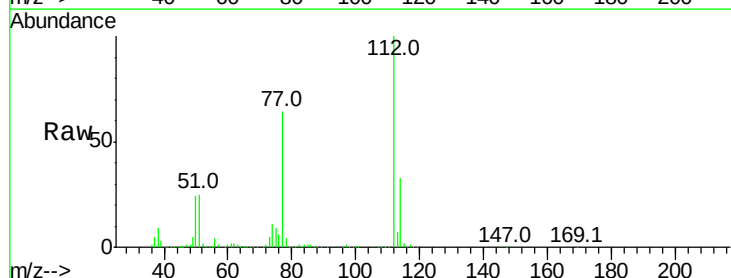
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

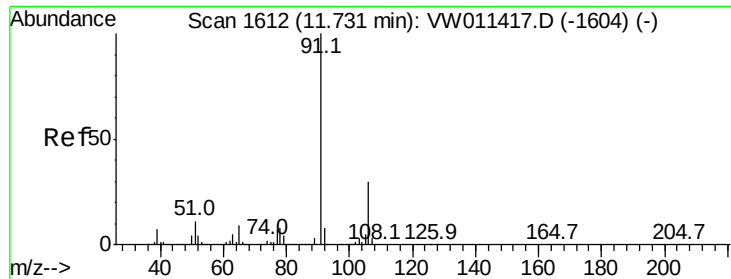
Tgt Ion:107 Resp: 463004
 Ion Ratio Lower Upper
 107 100
 109 92.9 66.8 124.2
 188 3.7 3.0 4.6



#52
 Chlorobenzene
 Concen: 101.523 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW011419.D
 Acq: 22 Jul 2019 14:04

Tgt Ion:112 Resp: 1605355
 Ion Ratio Lower Upper
 112 100
 77 64.3 52.2 78.2
 114 32.8 22.0 41.0





#53

Ethylbenzene

Concen: 102.239 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

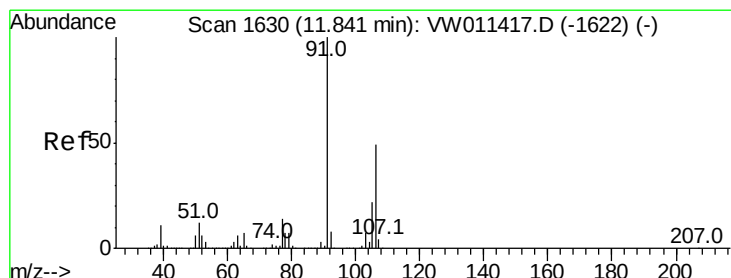
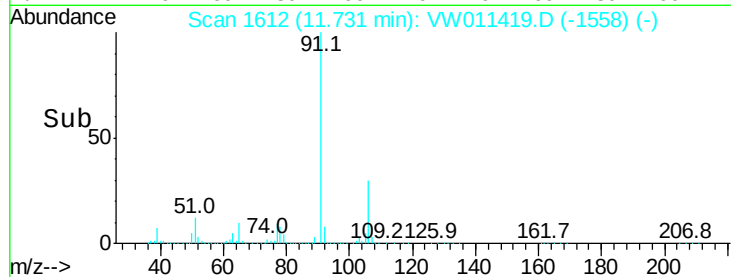
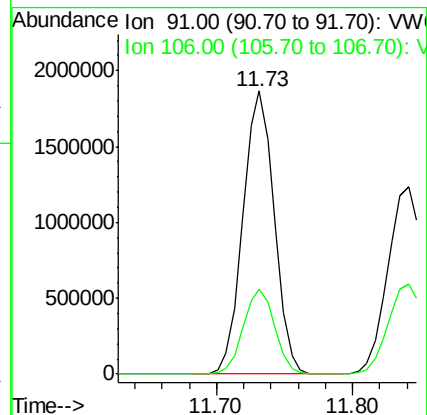
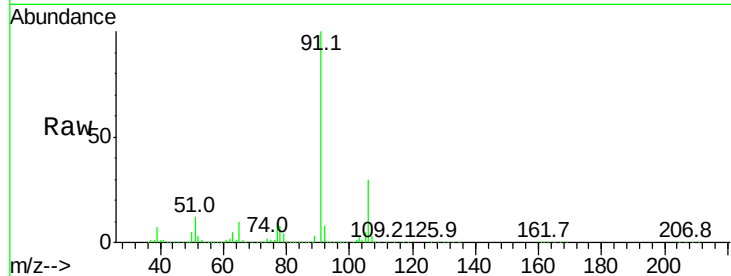
VSTD10002

Tgt Ion: 91 Resp: 3001578

Ion Ratio Lower Upper

91 100

106 30.1 21.1 39.1



#54

m,p-Xylene

Concen: 103.747 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW011419.D

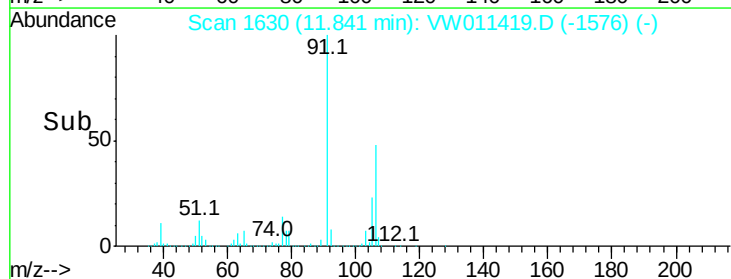
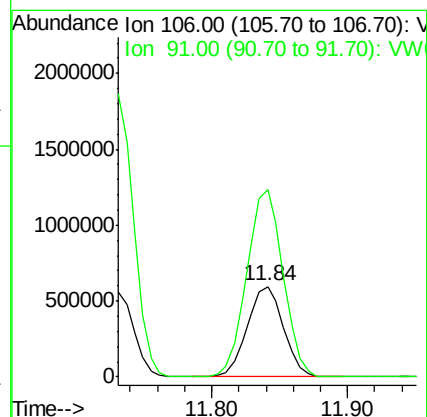
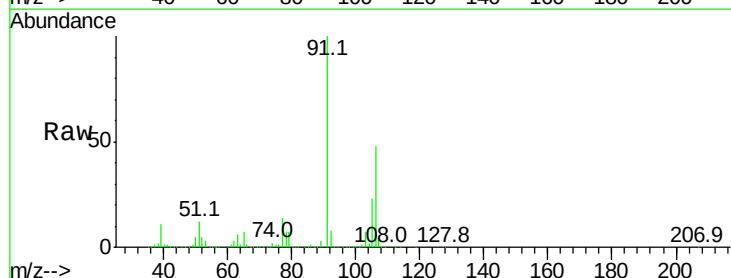
Acq: 22 Jul 2019 14:04

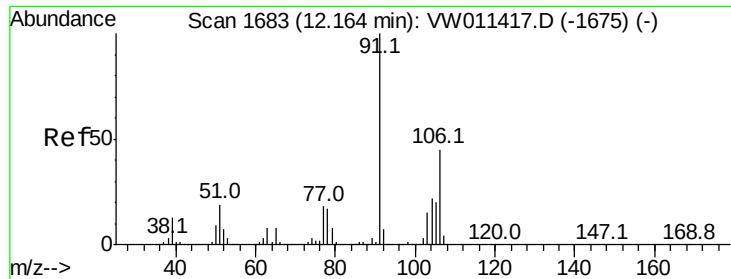
Tgt Ion: 106 Resp: 1105865

Ion Ratio Lower Upper

106 100

91 208.4 143.7 266.9

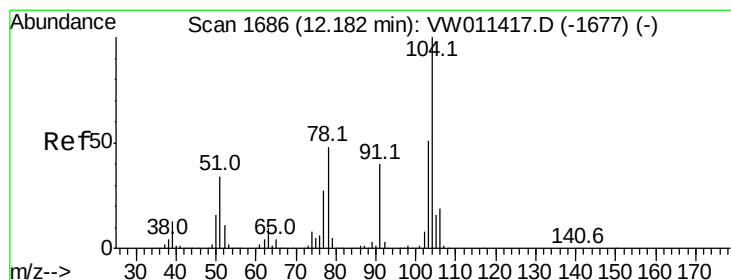
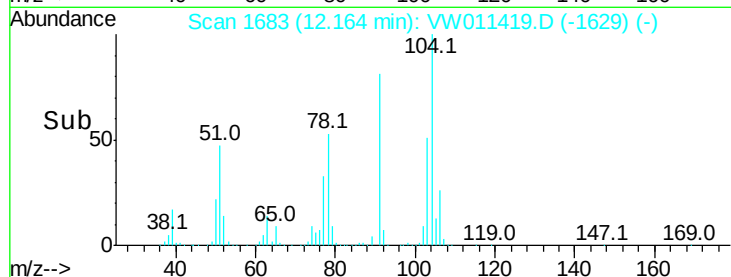
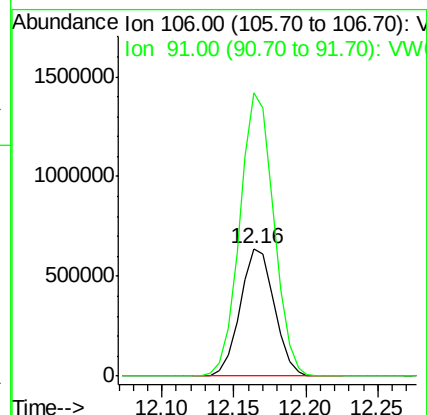
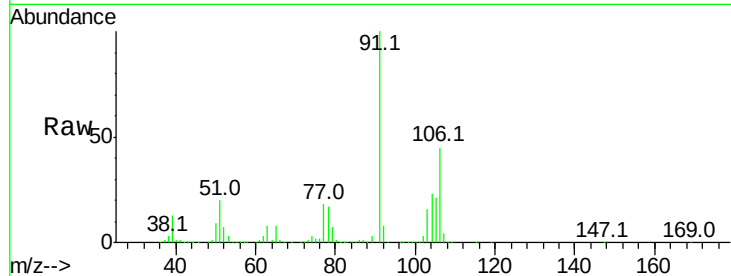




#55
o-xylene
Concen: 103.564 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011419.D
Acq: 22 Jul 2019 14:04

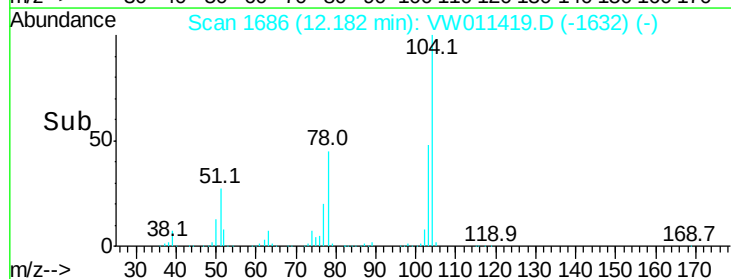
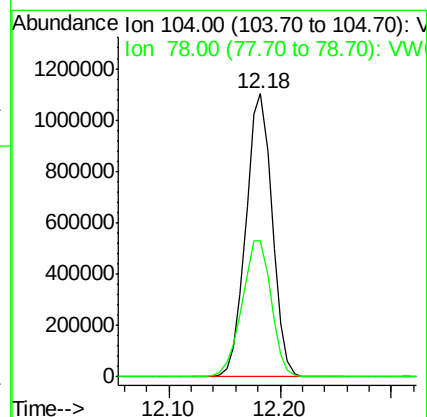
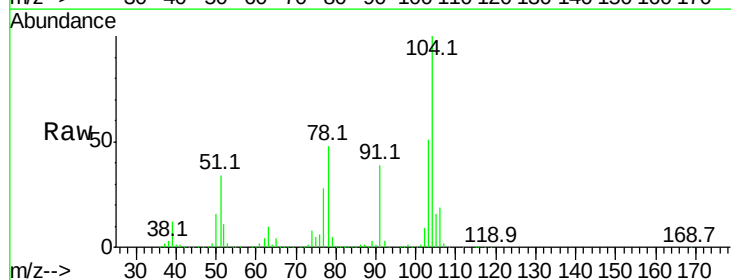
Instrument :
MSVOA_W
ClientSampled :
VSTD10002

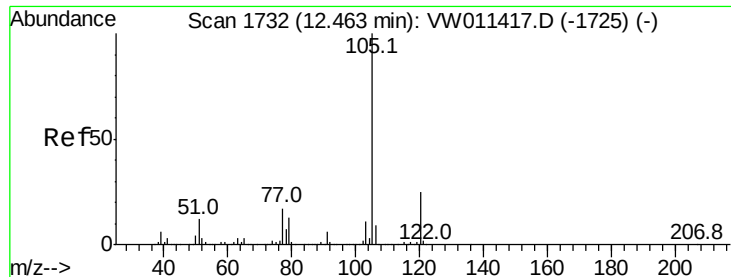
Tgt Ion:106 Resp: 1050145
Ion Ratio Lower Upper
106 100
91 222.0 155.5 288.9



#56
Styrene
Concen: 103.871 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011419.D
Acq: 22 Jul 2019 14:04

Tgt Ion:104 Resp: 1806803
Ion Ratio Lower Upper
104 100
78 48.2 33.5 62.1





#57

Isopropylbenzene

Concen: 102.855 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

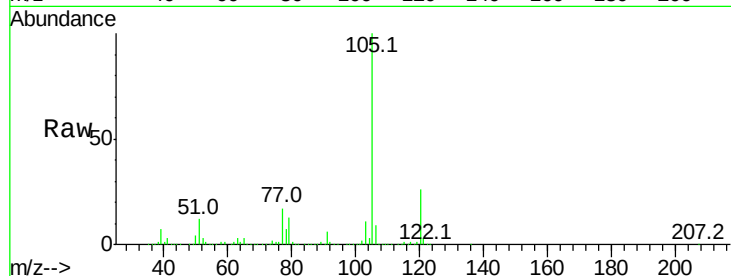
Tgt Ion:105 Resp: 2847014

Ion Ratio Lower Upper

105 100

120 25.9 20.5 30.7

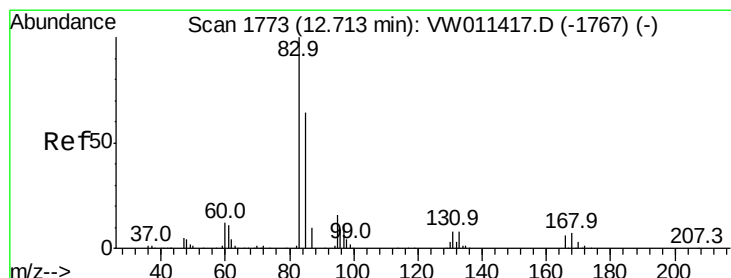
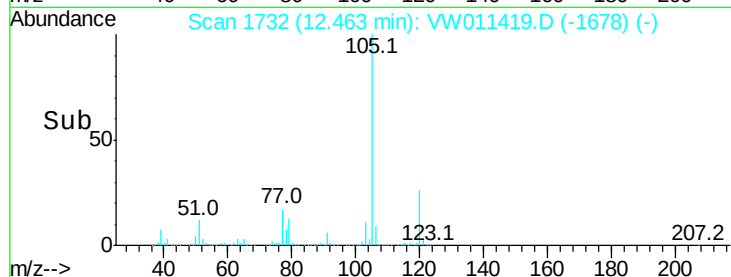
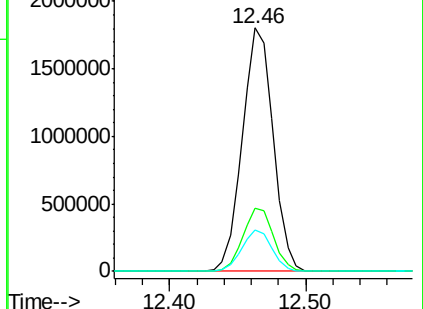
77 16.7 13.3 19.9



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: 96.237 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

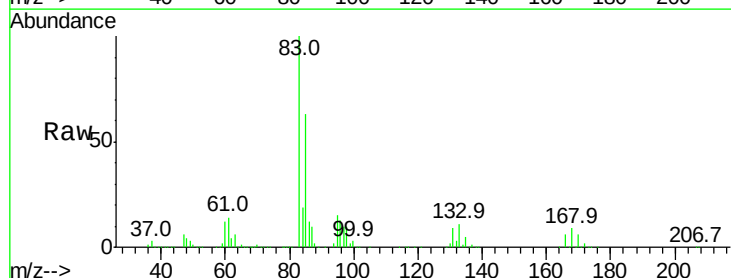
Tgt Ion: 83 Resp: 607509

Ion Ratio Lower Upper

83 100

85 63.3 45.1 83.9

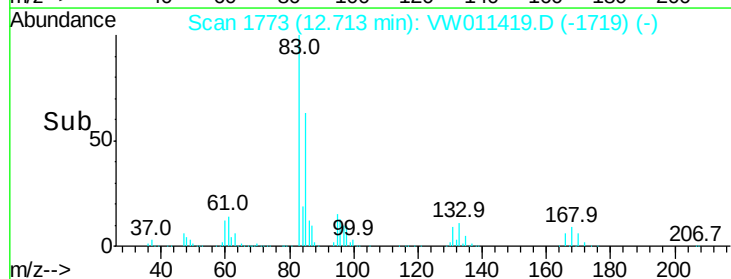
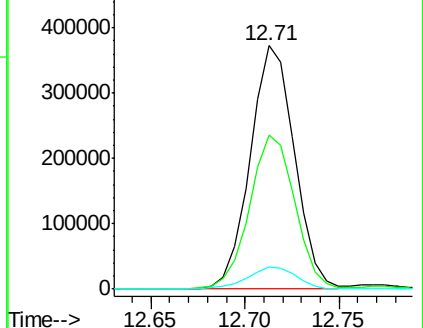
131 9.3 7.0 10.6

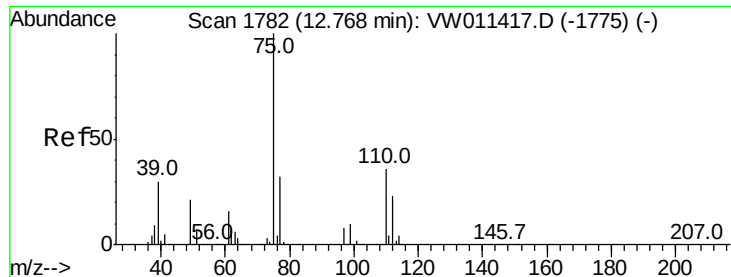


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

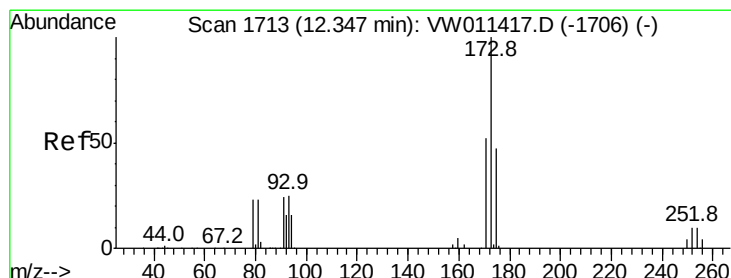
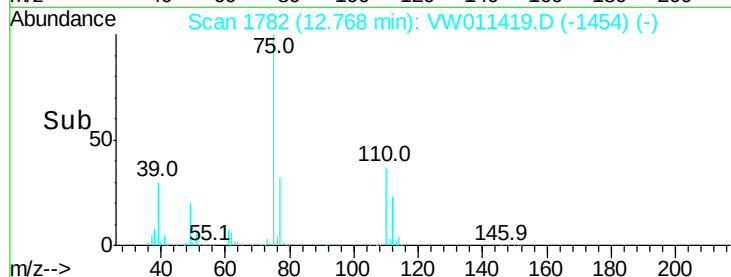
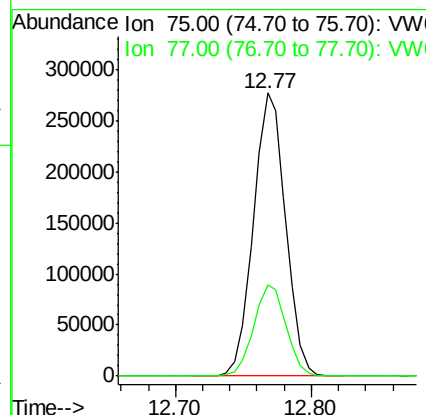
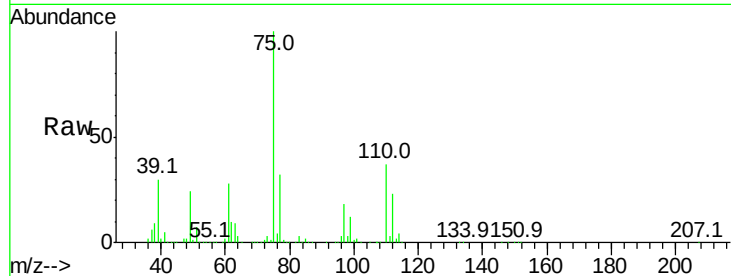




#59
 1,2,3-Trichloropropane
 Concen: 94.483 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW011419.D
 Acq: 22 Jul 2019 14:04

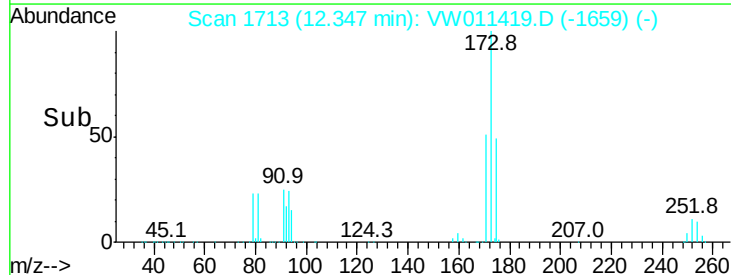
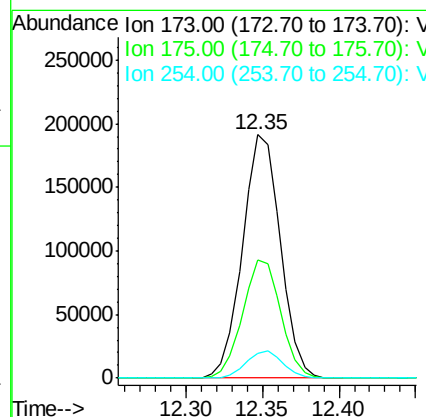
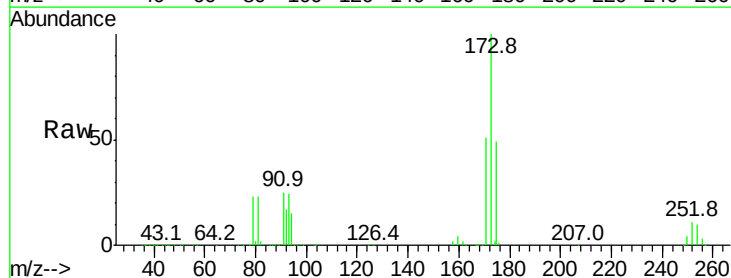
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

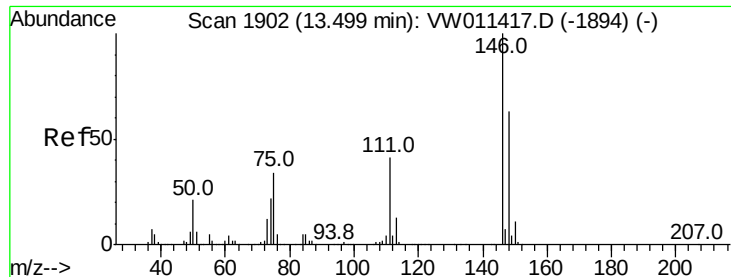
Tgt Ion: 75 Resp: 458035
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.8 38.8



#62
 Bromoform
 Concen: 115.888 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW011419.D
 Acq: 22 Jul 2019 14:04

Tgt Ion: 173 Resp: 328440
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.0 58.4
 254 10.9 8.5 12.7

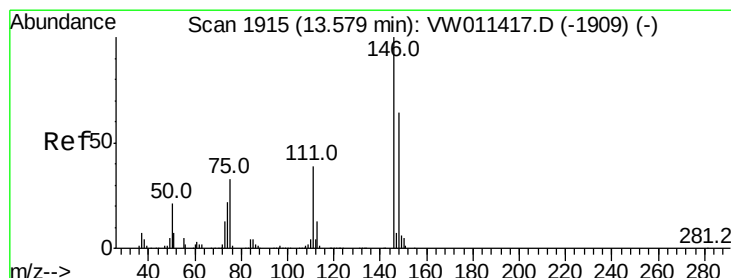
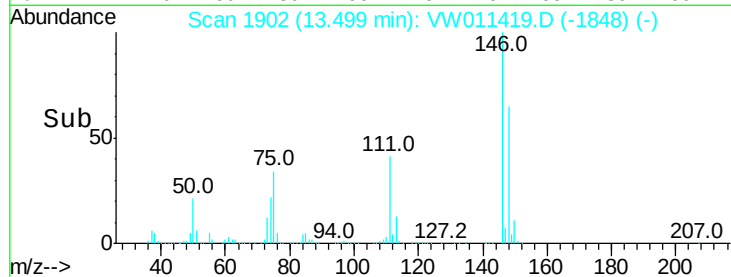
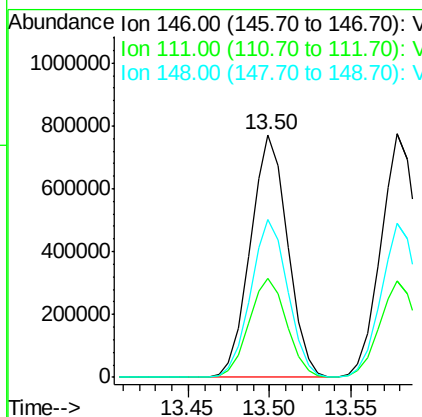
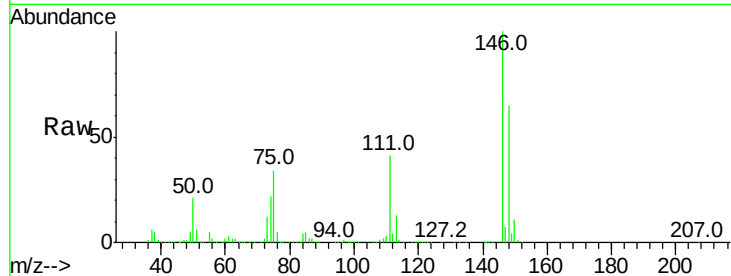




#63
 1,3-Dichlorobenzene
 Concen: 104.688 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011419.D
 Acq: 22 Jul 2019 14:04

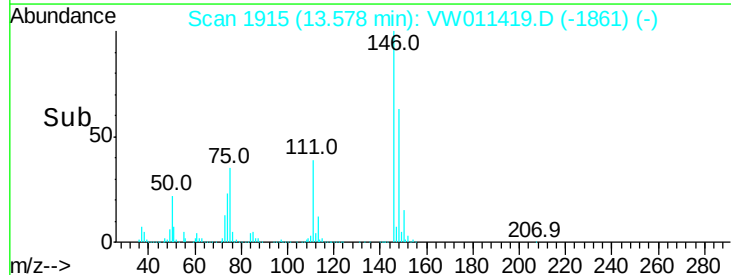
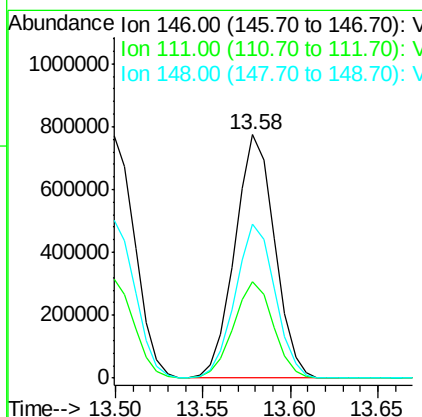
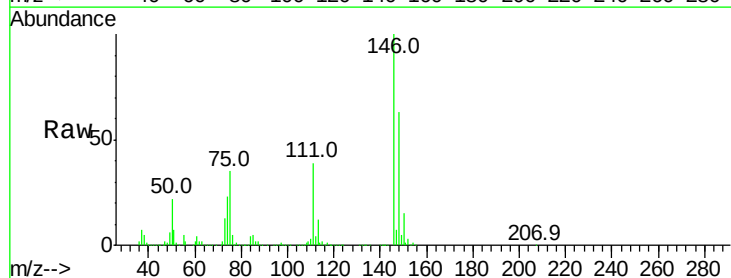
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

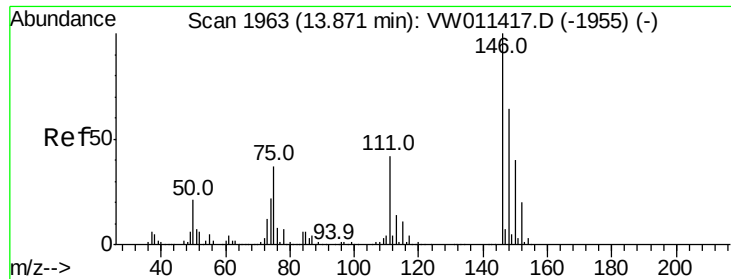
Tgt Ion:146 Resp: 1224811
 Ion Ratio Lower Upper
 146 100
 111 41.0 29.0 53.8
 148 65.2 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 102.191 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011419.D
 Acq: 22 Jul 2019 14:04

Tgt Ion:146 Resp: 1223922
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.8 51.6
 148 63.4 44.9 83.5

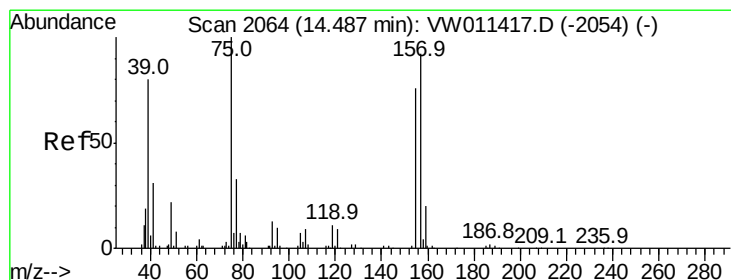
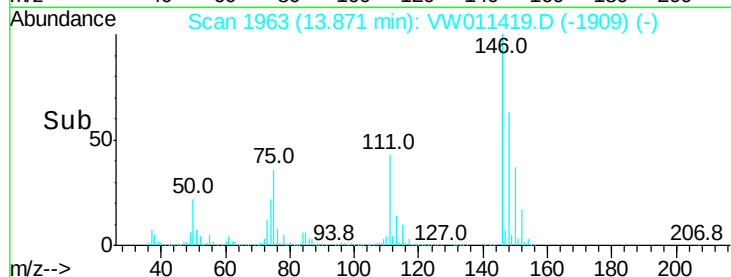
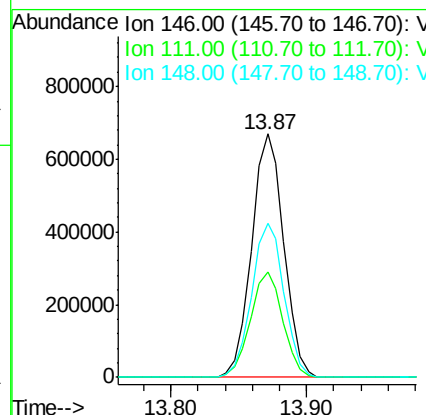
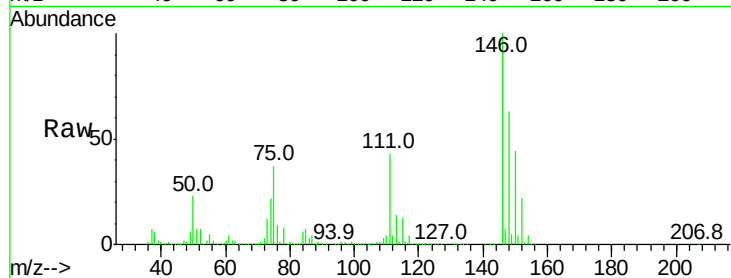




#65
 1,2-Dichlorobenzene
 Concen: 101.470 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011419.D
 Acq: 22 Jul 2019 14:04

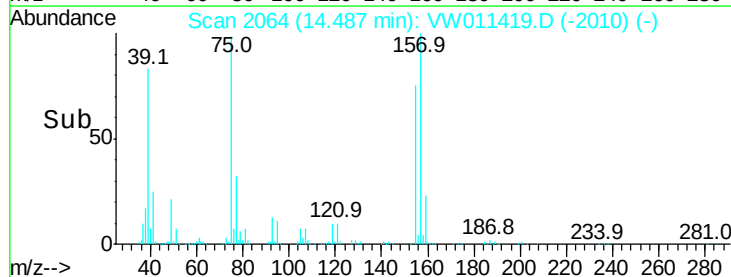
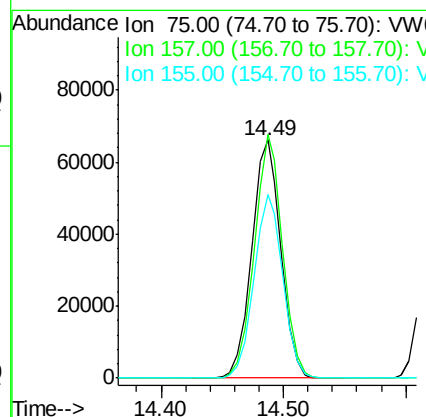
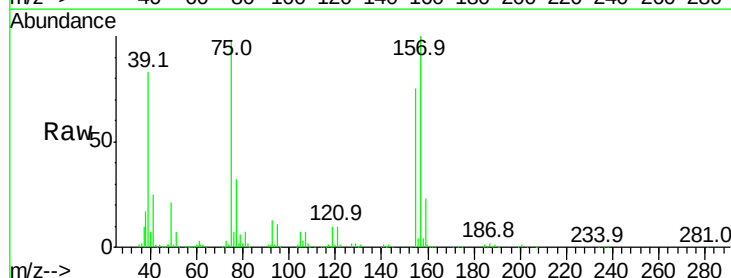
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

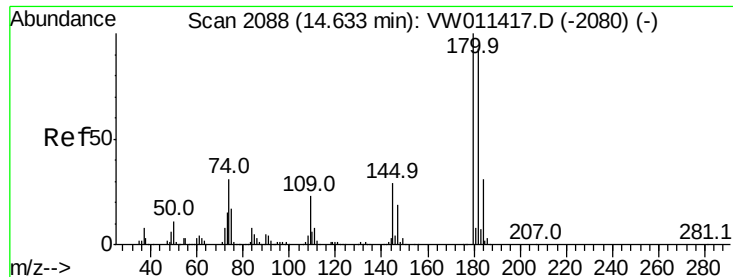
Tgt Ion:146 Resp: 1105039
 Ion Ratio Lower Upper
 146 100
 111 43.3 33.8 50.8
 148 63.3 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 101.825 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011419.D
 Acq: 22 Jul 2019 14:04

Tgt Ion: 75 Resp: 108872
 Ion Ratio Lower Upper
 75 100
 157 102.2 73.7 110.5
 155 76.9 61.0 91.6

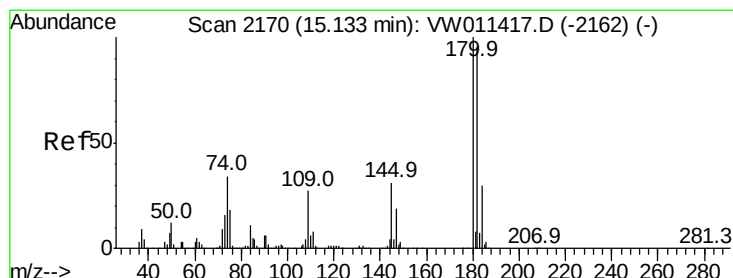
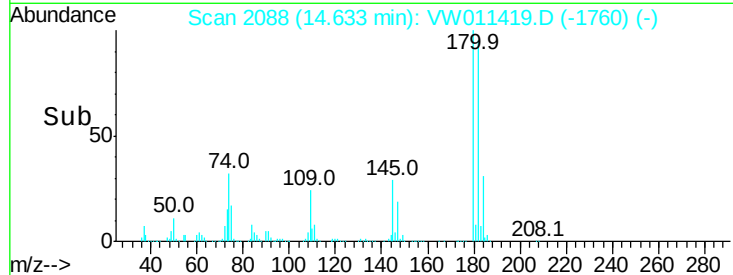
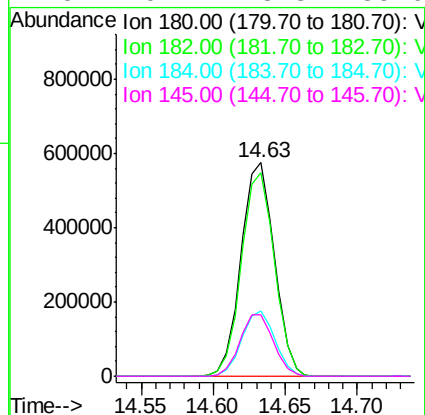
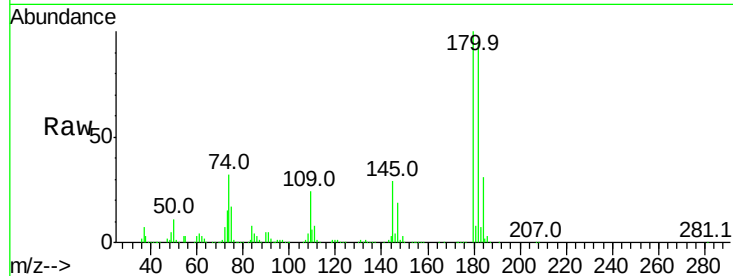




#67
 1,3,5-Trichlorobenzene
 Concen: 104.140 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW011419.D
 Acq: 22 Jul 2019 14:04

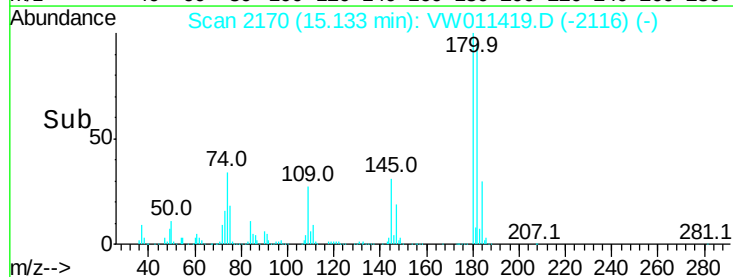
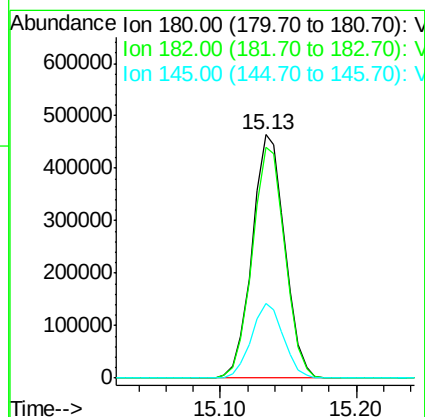
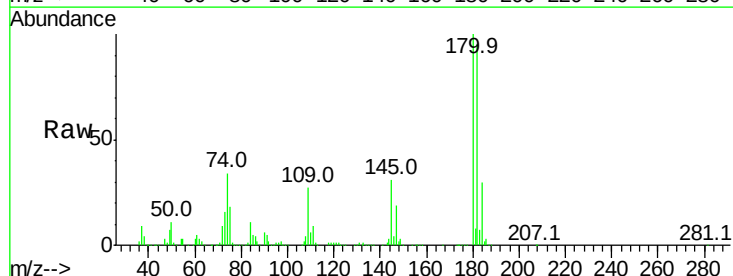
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

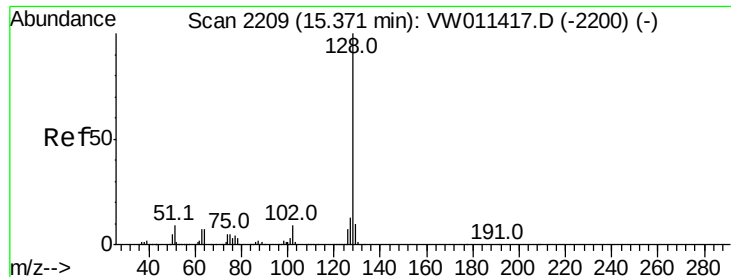
Tgt Ion:	180	Resp:	923139
Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.1	114.1
184	30.4	24.7	37.1
145	29.2	23.8	35.6



#68
 1,2,4-trichlorobenzene
 Concen: 104.848 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011419.D
 Acq: 22 Jul 2019 14:04

Tgt Ion:	180	Resp:	778633
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.4	114.6
145	30.2	24.2	36.2





#69

Naphthalene

Concen: 107.162 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

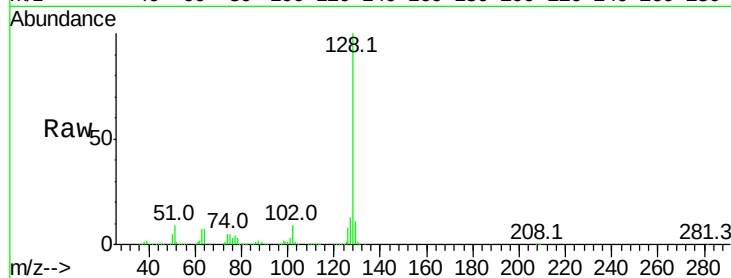
Tgt Ion:128 Resp: 1666686

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

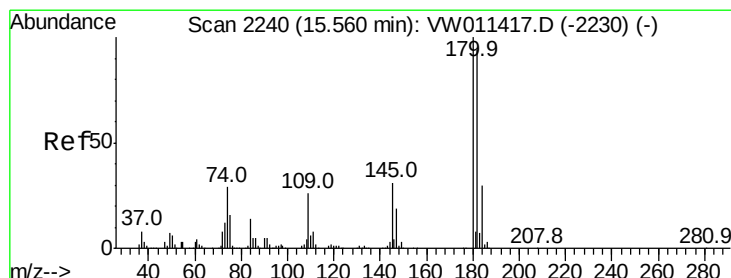
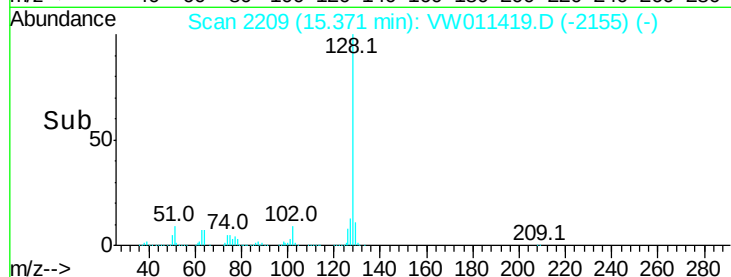
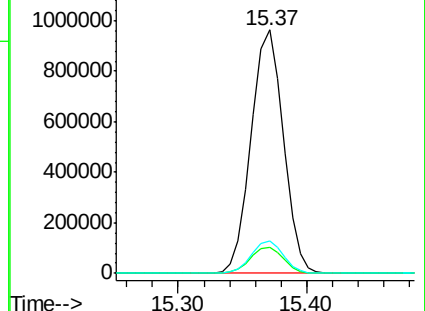
127 13.3 10.5 15.7



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: 101.876 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011419.D

Acq: 22 Jul 2019 14:04

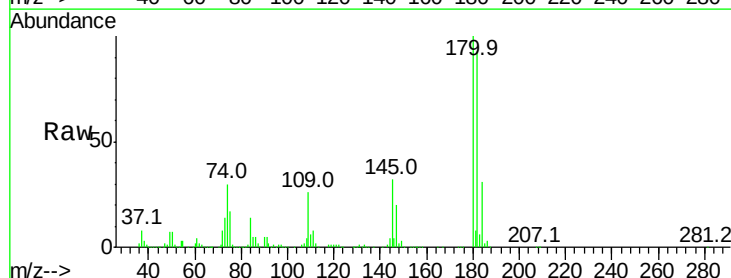
Tgt Ion:180 Resp: 692217

Ion Ratio Lower Upper

180 100

182 95.0 75.8 113.8

145 31.9 25.3 37.9



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

