

Data File : VW014829.D
Acq On : 03 Feb 2020 11:47
Operator : SY/VA
Sample : VSTD10013
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

Quant Time: Feb 03 12:18:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Mon Feb 03 11:38:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	900508	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	837740	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	390547	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	1557320	109.18	ug/L	0.00
7) Chloroethane-d5	2.89	69	1200088	99.03	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	2912252	112.84	ug/L	0.00
20) 2-Butanone-d5	7.07	46	1097729	271.05	ug/L	0.00
24) Chloroform-d	7.65	84	2565638	103.22	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	1441747	107.70	ug/L	0.00
29) Benzene-d6	8.27	84	5306086	100.63	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	1735066	105.87	ug/L	0.00
37) Toluene-d8	10.32	98	4807208	102.35	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	776227	118.86	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	872884	283.81	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	1413375	109.88	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	1489349	97.31	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	1116467	100.821	ug/L	100
3) Chloromethane	2.21	50	1514440	117.232	ug/L	100
5) Vinyl chloride	2.36	62	1696643	93.351	ug/L	100
6) Bromomethane	2.78	94	839646	88.377	ug/L	99
8) Chloroethane	2.92	64	935347	94.993	ug/L	99
9) Trichlorofluoromethane	3.26	101	848790	97.256	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	1278586	102.566	ug/L	99
12) 1,1-Dichloroethene	4.04	96	1290811	105.003	ug/L	95
13) Acetone	4.12	43	842881	194.320	ug/L	100
14) Carbon disulfide	4.38	76	3943832	98.005	ug/L	99
15) Methyl Acetate	4.67	43	871735	134.667	ug/L	100
16) Methylene chloride	4.92	84	1303380	85.646	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	1696568	104.406	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	1285885	101.243	ug/L	95
19) 1,1-Dichloroethane	6.21	63	2574095	108.071	ug/L	98
21) 2-Butanone	7.16	43	1208581	248.848	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	1397894	105.124	ug/L	99
23) Bromochloromethane	7.51	128	555194	95.545	ug/L	99
25) Chloroform	7.67	83	2319071	104.352	ug/L	99
27) 1,2-Dichloroethane	8.40	62	1636841	111.474	ug/L	99
30) Cyclohexane	7.95	56	2653773	116.004	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	1785736	97.622	ug/L	99
32) Carbon tetrachloride	8.07	117	1669773	97.403	ug/L	100
34) Benzene	8.32	78	5377683	100.230	ug/L	100
35) Trichloroethene	9.09	95	1372037	100.661	ug/L	99
36) Methylcyclohexane	9.34	83	2573688	108.537	ug/L	97
40) 1,2-Dichloropropane	9.37	63	1454720	106.953	ug/L	99
41) Bromodichloromethane	9.64	83	1732359	106.572	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	2299566	115.754	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	2499129	279.436	ug/L	99

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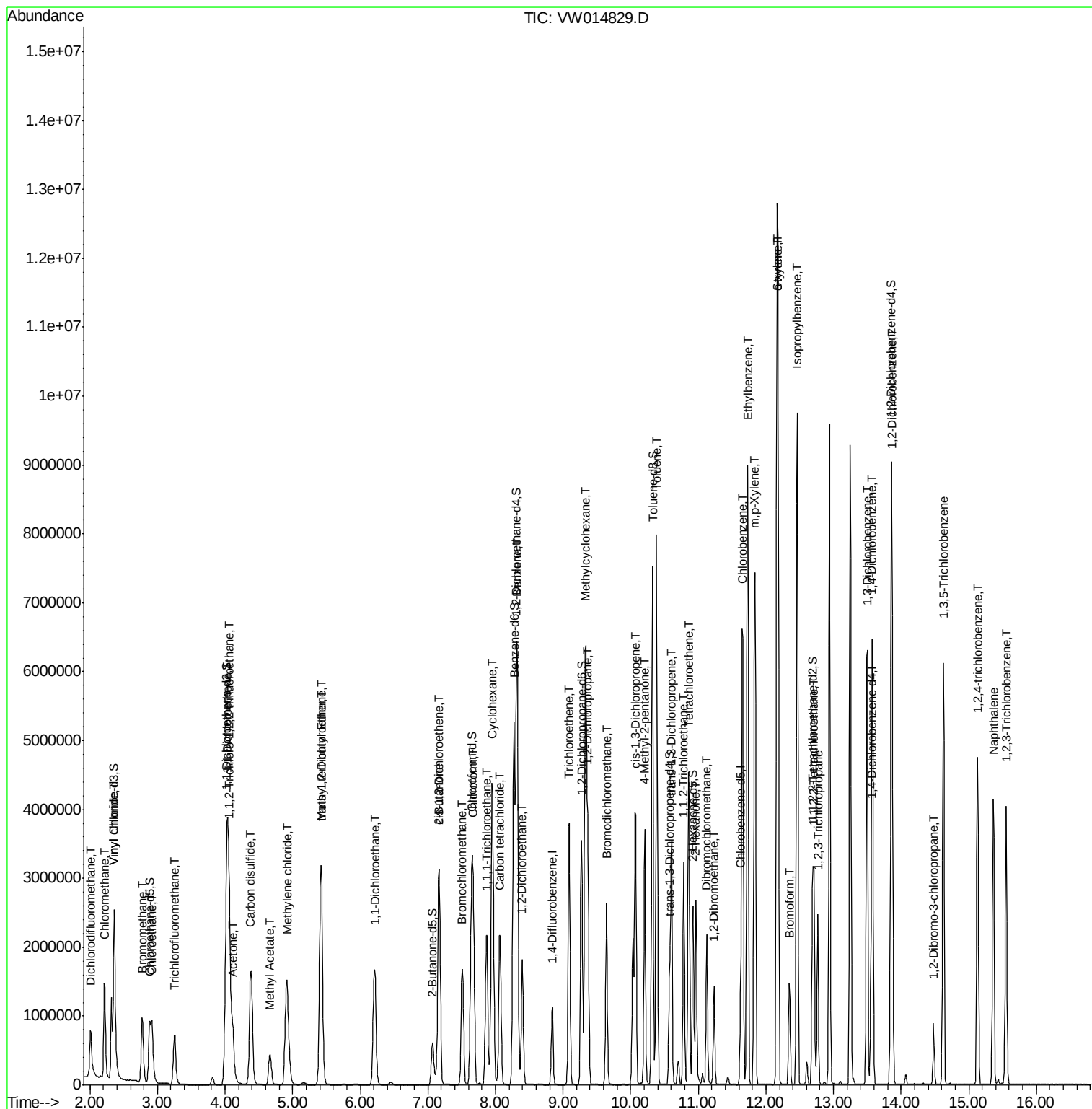
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	5621724	103.118	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	1889785	117.182	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	1007732	108.535	ug/L	98
47) Tetrachloroethene	10.86	164	1009924	92.735	ug/L	98
49) 2-Hexanone	10.96	43	1790397	278.443	ug/L	99
50) Dibromochloromethane	11.13	129	1134369	107.080	ug/L	98
51) 1,2-Dibromoethane	11.23	107	971431	108.766	ug/L	98
52) Chlorobenzene	11.66	112	3398131	99.823	ug/L	99
53) Ethylbenzene	11.73	91	6312094	105.948	ug/L	99
54) m,p-Xylene	11.83	106	2336191	104.900	ug/L	100
55) o-xylene	12.16	106	2243054	107.341	ug/L	96
56) Styrene	12.18	104	3812146	107.567	ug/L	96
57) Isopropylbenzene	12.46	105	6000889	106.034	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	1353867	113.173	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	1030279	114.652	ug/L	99
62) Bromoform	12.35	173	660053	107.666	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	2479118	98.321	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	2495868	98.769	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	2273182	99.119	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	234203	124.509	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	1785434	95.602	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	1494532	107.834	ug/L	99
69) Naphthalene	15.36	128	3395915	135.475	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	1340404	105.483	ug/L	100

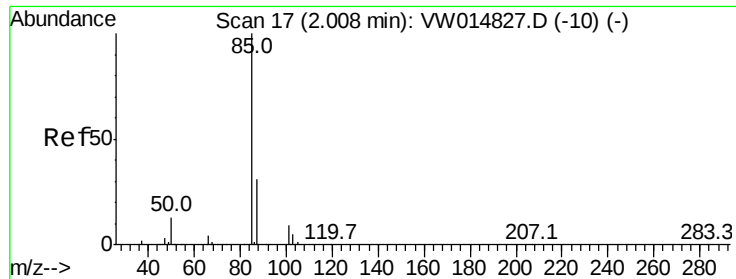
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 100.821 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

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Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

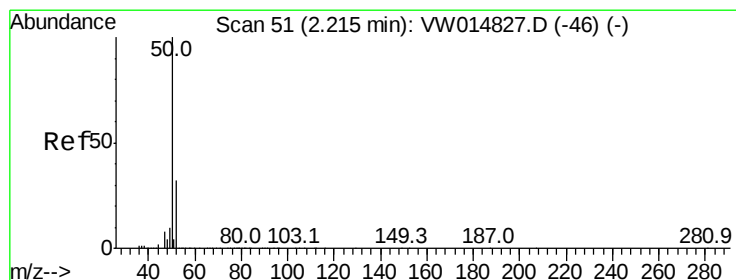
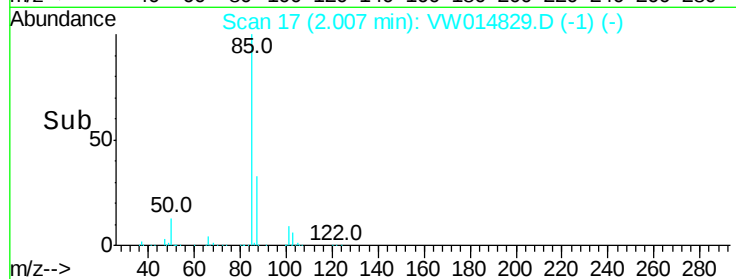
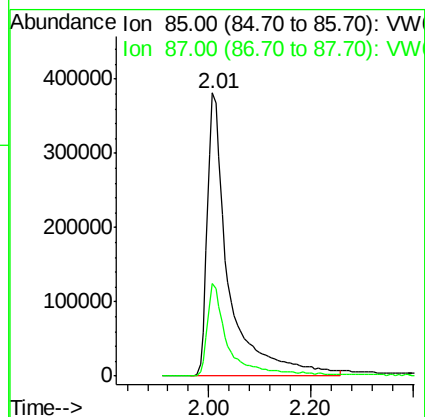
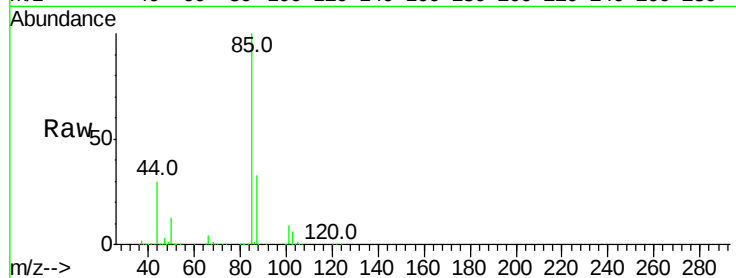
VSTD10003

Tgt Ion: 85 Resp: 1116467

Ion Ratio Lower Upper

85 100

87 30.1 21.2 39.4



#3

Chloromethane

Concen: 117.232 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014829.D

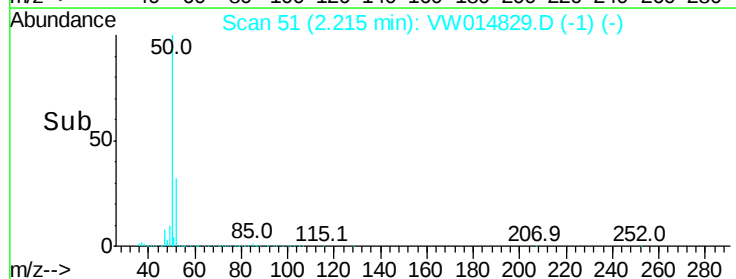
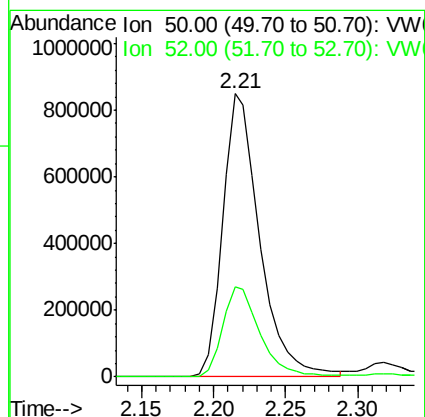
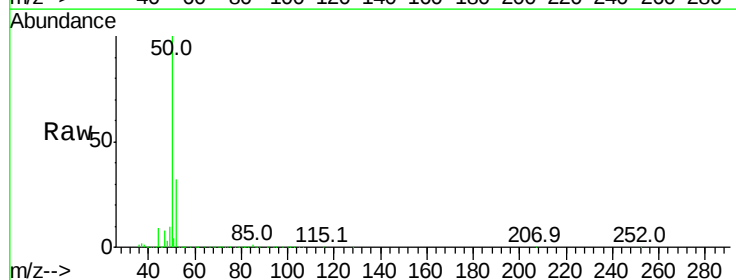
Acq: 03 Feb 2020 11:47

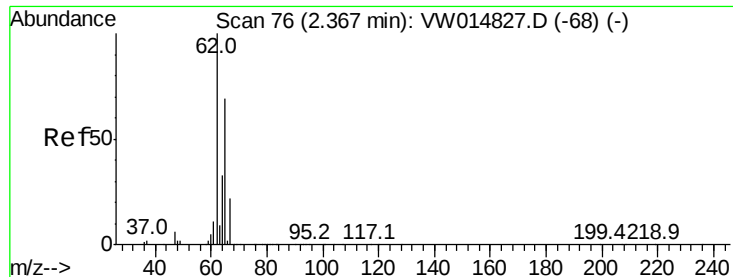
Tgt Ion: 50 Resp: 1514440

Ion Ratio Lower Upper

50 100

52 32.0 22.6 42.0





#5

Vinyl chloride

Concen: 93.351 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

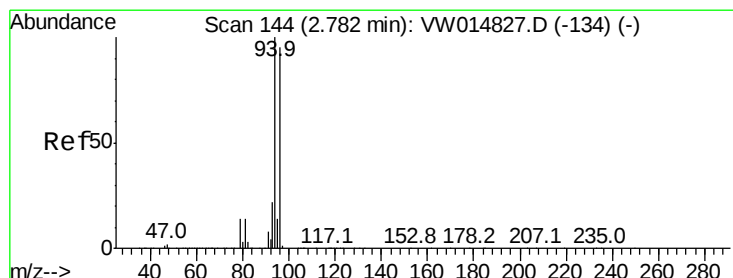
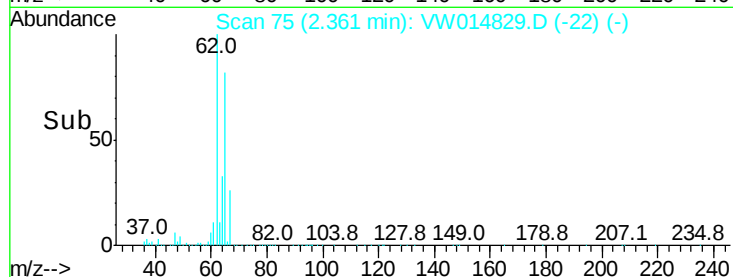
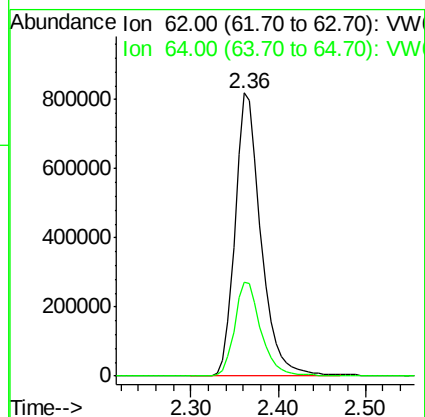
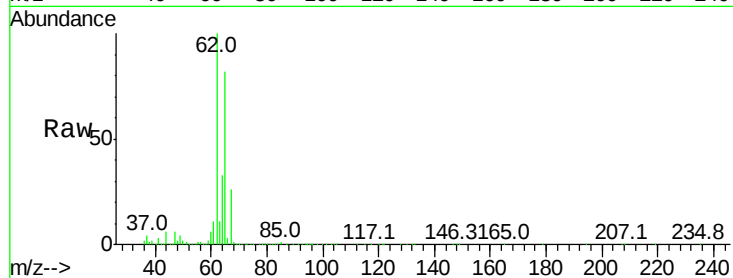
VSTD10003

Tgt Ion: 62 Resp: 1696643

Ion Ratio Lower Upper

62 100

64 33.3 23.2 43.0



#6

Bromomethane

Concen: 88.377 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW014829.D

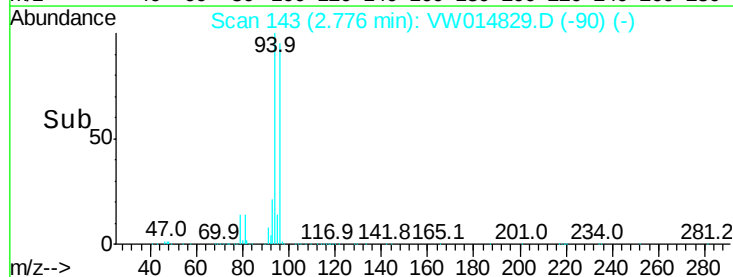
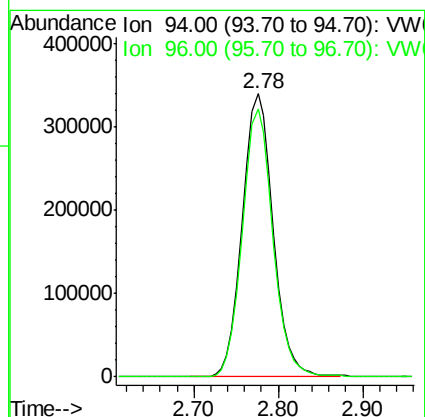
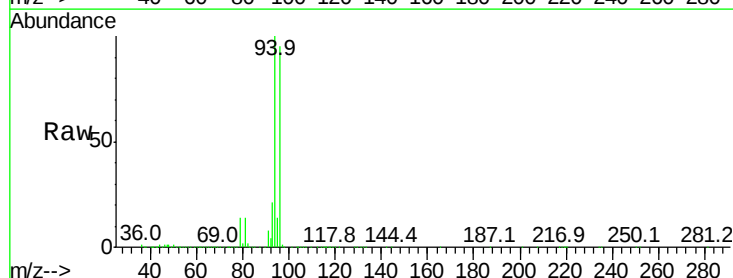
Acq: 03 Feb 2020 11:47

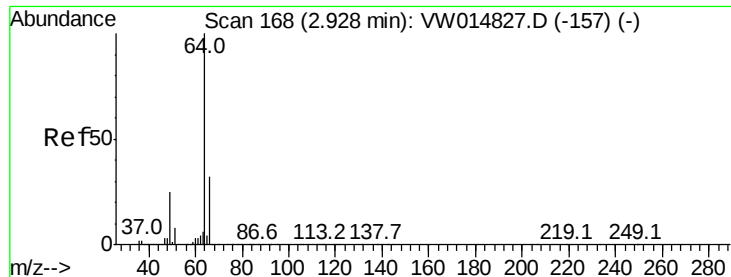
Tgt Ion: 94 Resp: 839646

Ion Ratio Lower Upper

94 100

96 93.7 9.5 179.9





#8

Chloroethane

Concen: 94.993 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

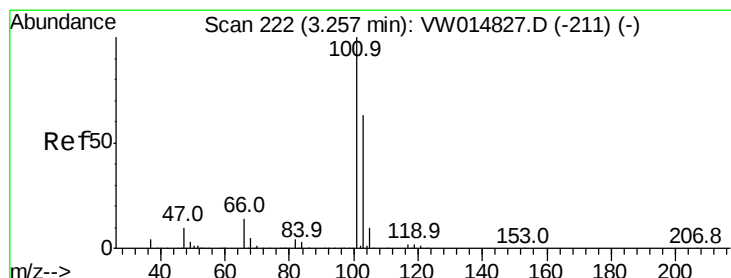
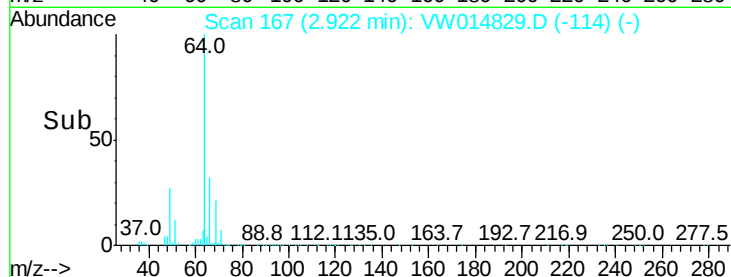
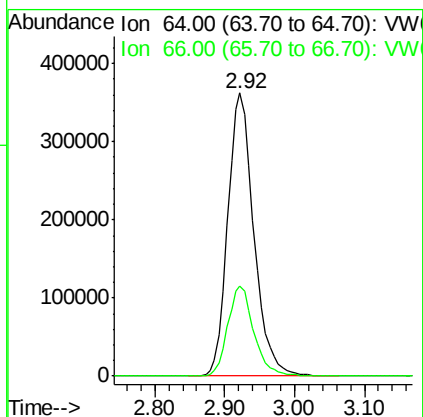
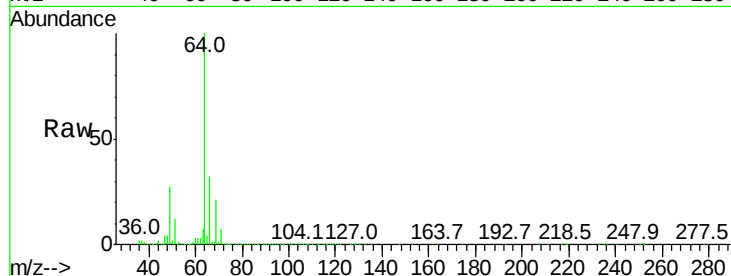
VSTD10003

Tgt Ion: 64 Resp: 935347

Ion Ratio Lower Upper

64 100

66 31.6 22.5 41.7



#9

Trichlorofluoromethane

Concen: 97.256 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014829.D

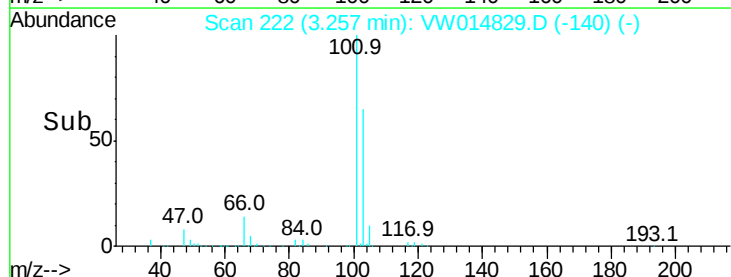
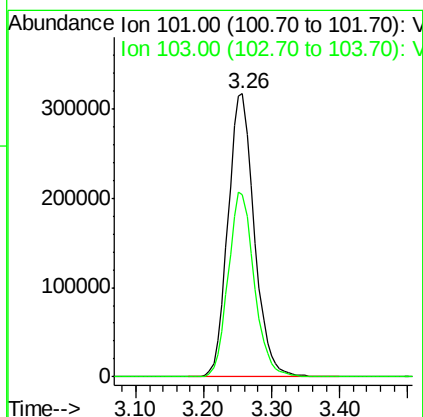
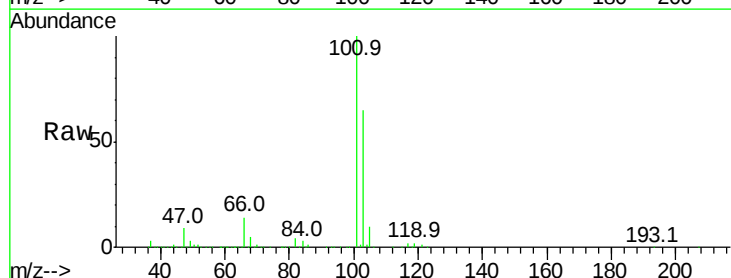
Acq: 03 Feb 2020 11:47

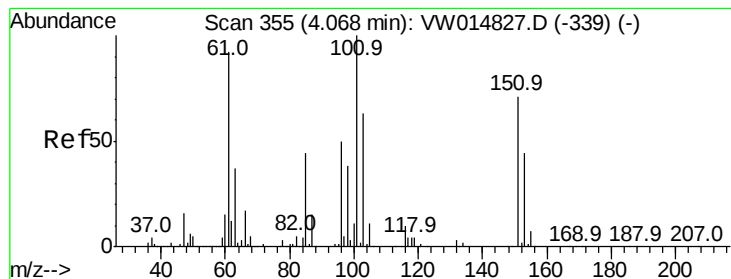
Tgt Ion: 101 Resp: 848790

Ion Ratio Lower Upper

101 100

103 64.9 45.4 84.4





#11

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

Concen: 102.566 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

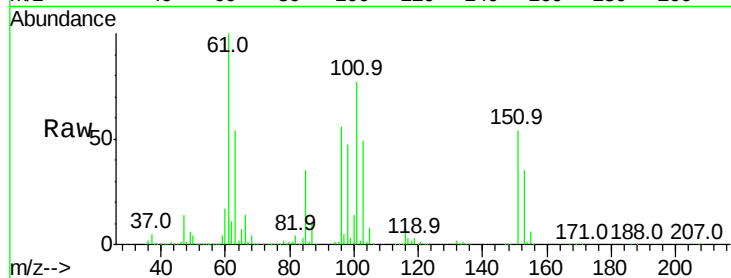
Tgt Ion:101 Resp: 1278586

Ion Ratio Lower Upper

101 100

85 43.9 34.9 52.3

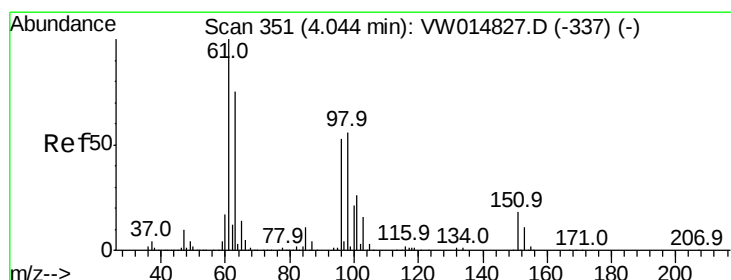
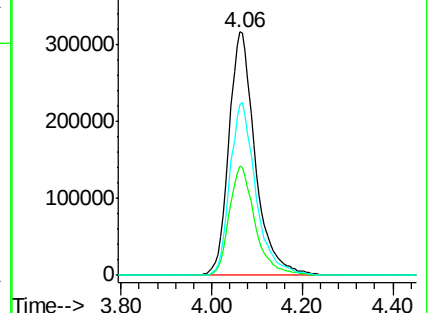
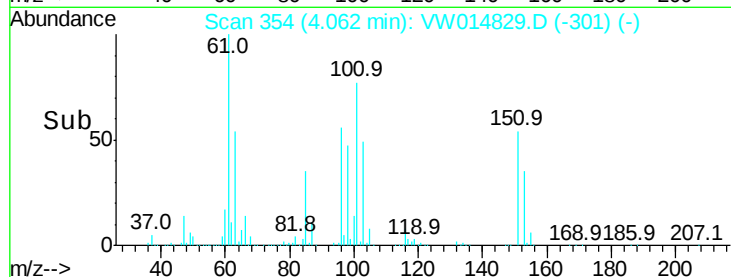
151 69.7 55.2 82.8



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: 105.003 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

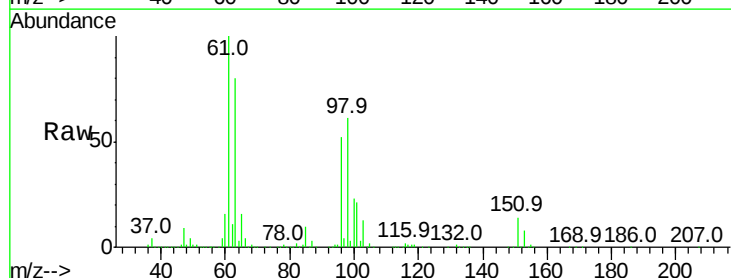
Tgt Ion: 96 Resp: 1290811

Ion Ratio Lower Upper

96 100

61 190.8 131.5 244.3

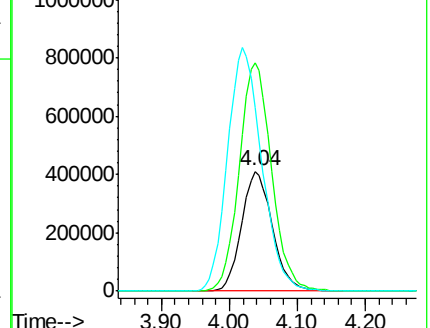
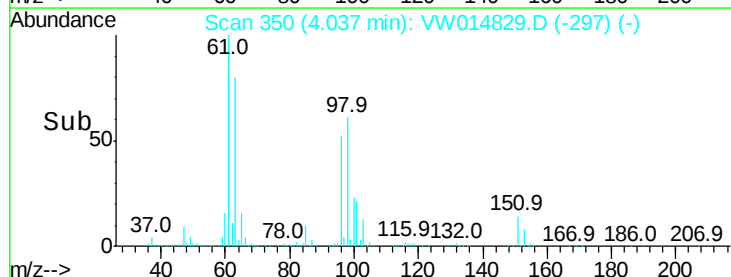
63 152.9 98.8 183.4

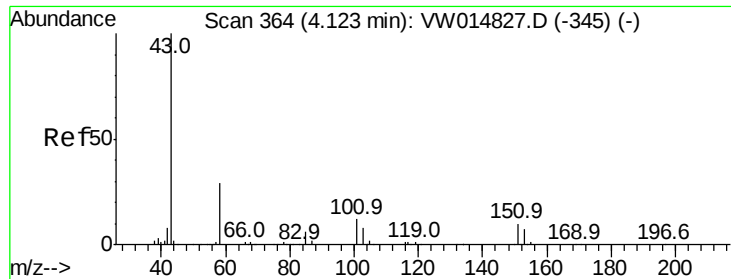


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

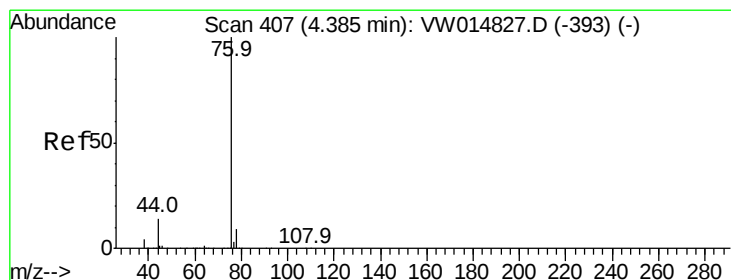
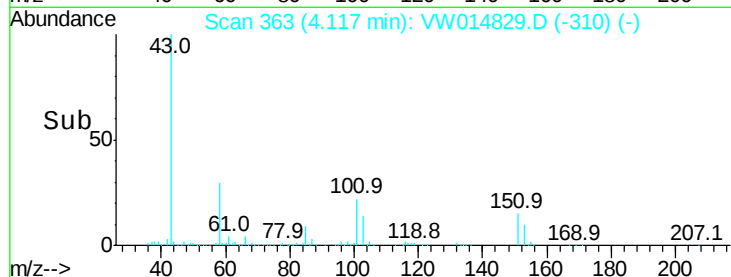
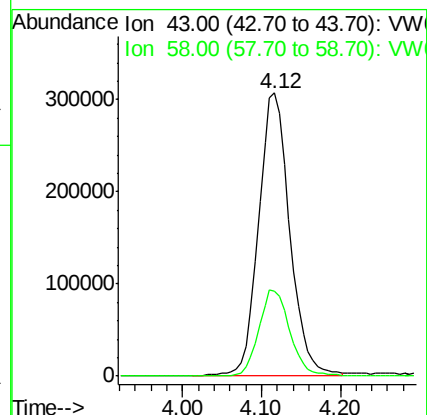
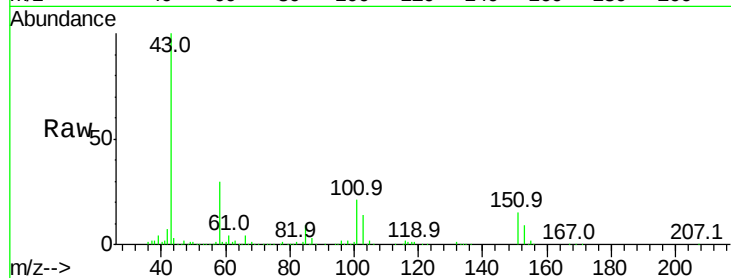




#13
Acetone
Concen: 194.320 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW014829.D
Acq: 03 Feb 2020 11:47

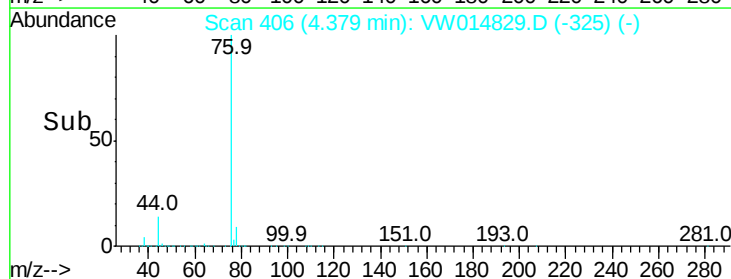
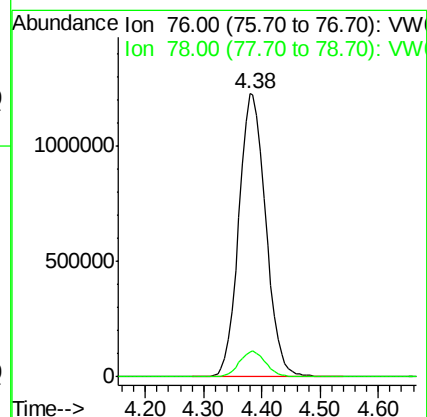
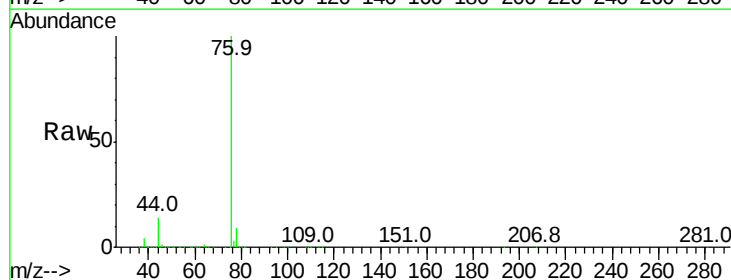
Instrument :
MSVOA_W
ClientSampled :
VSTD10003

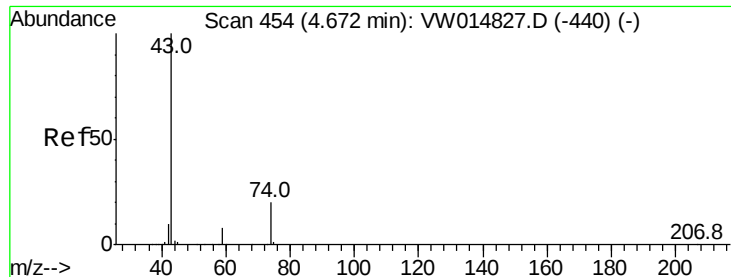
Tgt Ion: 43 Resp: 842881
Ion Ratio Lower Upper
43 100
58 30.0 0.0 60.2



#14
Carbon disulfide
Concen: 98.005 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014829.D
Acq: 03 Feb 2020 11:47

Tgt Ion: 76 Resp: 3943832
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3

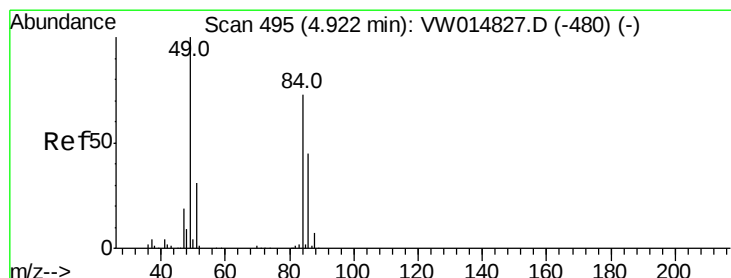
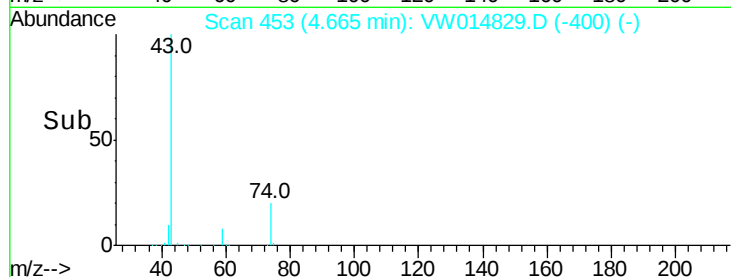
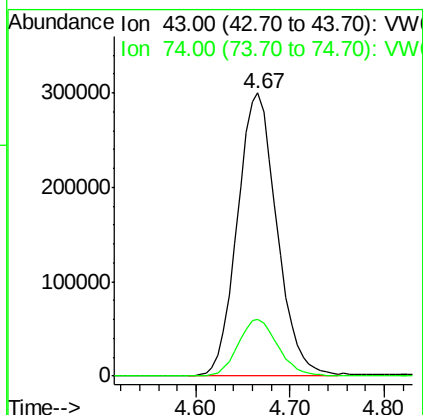
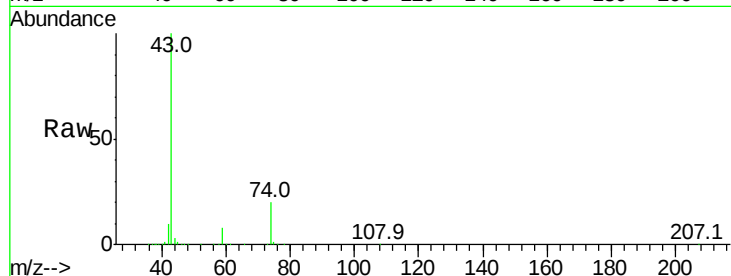




#15
Methyl Acetate
Concen: 134.667 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW014829.D
Acq: 03 Feb 2020 11:47

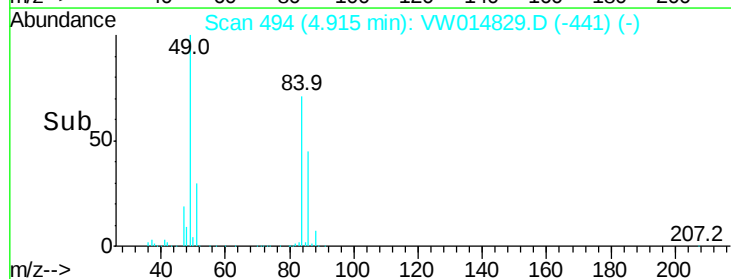
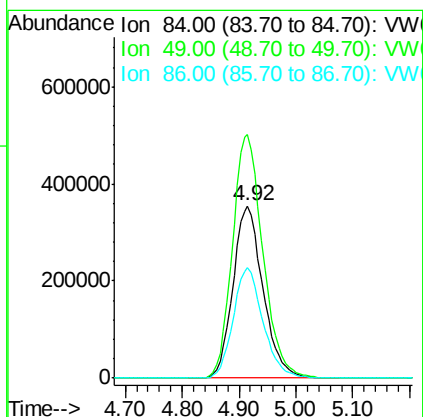
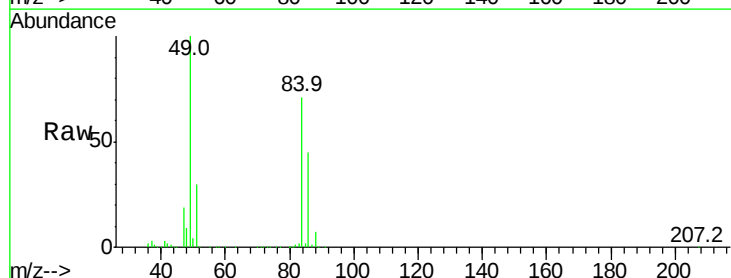
Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

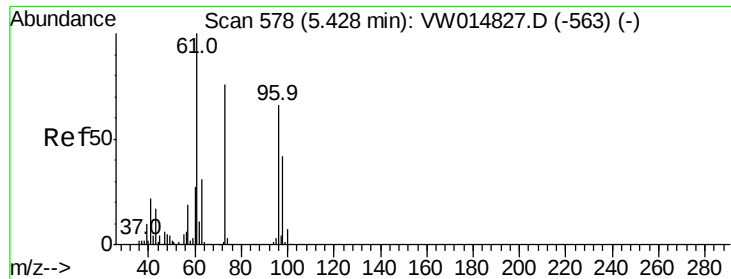
Tgt Ion: 43 Resp: 871735
Ion Ratio Lower Upper
43 100
74 20.4 16.3 24.5



#16
Methylene chloride
Concen: 85.646 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW014829.D
Acq: 03 Feb 2020 11:47

Tgt Ion: 84 Resp: 1303380
Ion Ratio Lower Upper
84 100
49 141.4 96.6 179.4
86 64.2 43.8 81.4





#17

Methyl tert-butyl Ether

Concen: 104.406 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

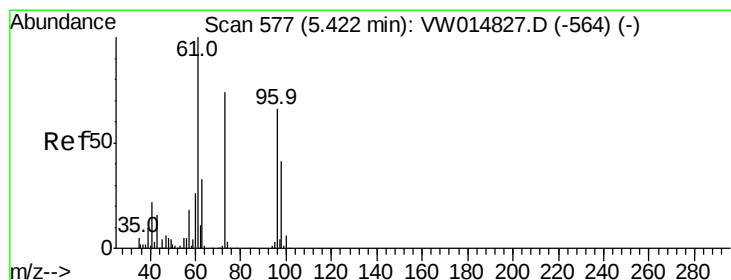
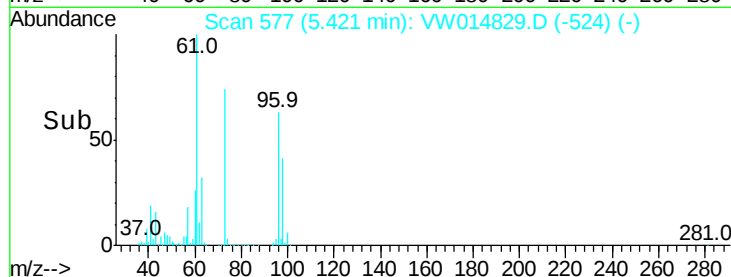
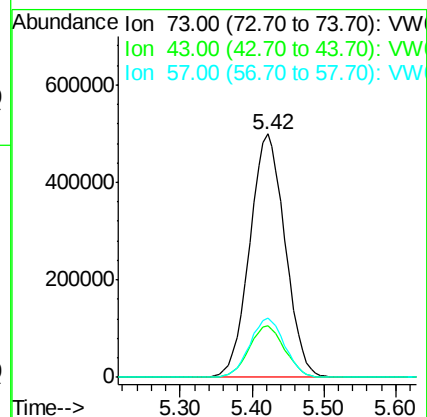
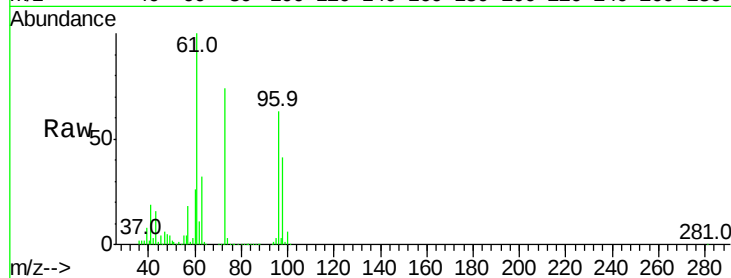
Tgt Ion: 73 Resp: 1696568

Ion Ratio Lower Upper

73 100

43 21.5 17.6 26.4

57 24.1 19.8 29.6



#18

trans-1,2-Dichloroethene

Concen: 101.243 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

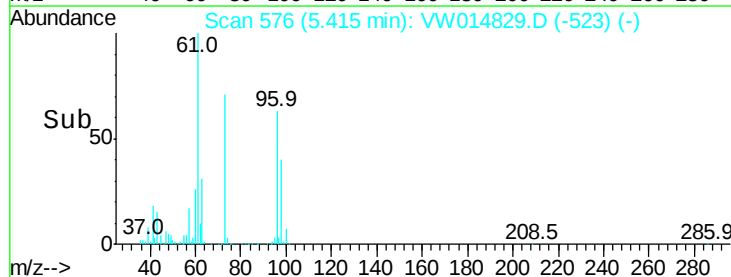
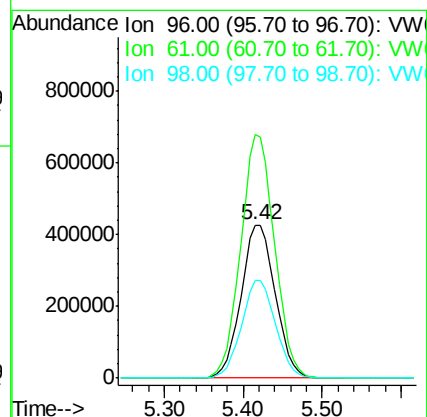
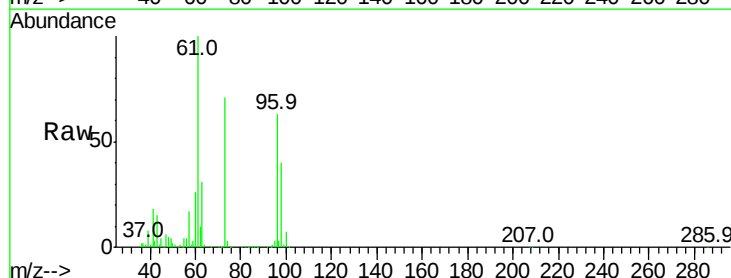
Tgt Ion: 96 Resp: 1285885

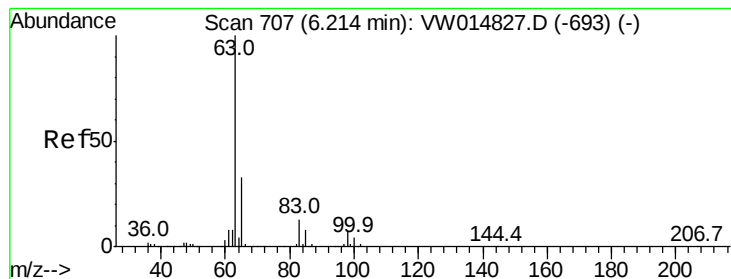
Ion Ratio Lower Upper

96 100

61 159.1 106.3 197.3

98 63.7 43.5 80.9





#19

1,1-Dichloroethane

Concen: 108.071 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_W

ClientSampled :

VSTD10003

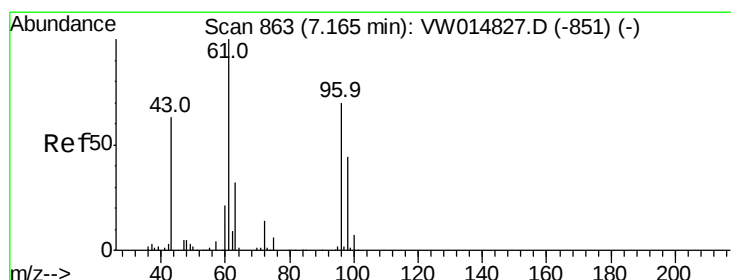
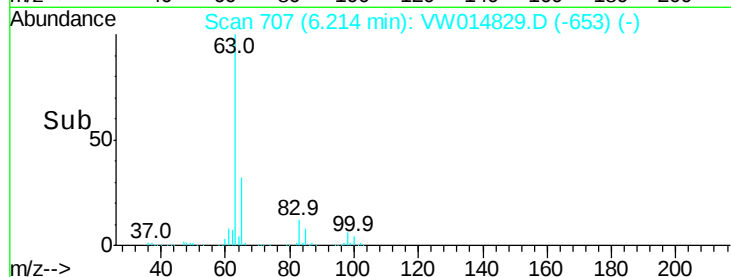
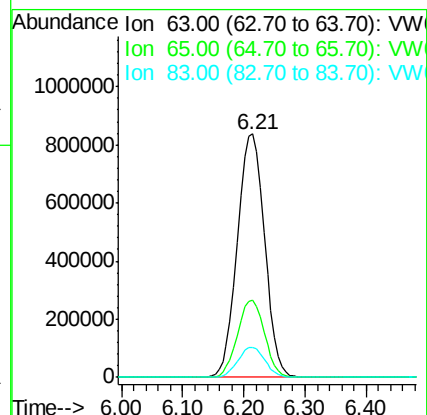
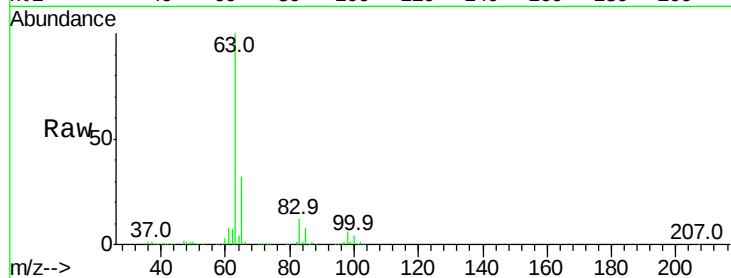
Tgt Ion: 63 Resp: 2574095

Ion Ratio Lower Upper

63 100

65 31.6 23.0 42.6

83 12.2 9.0 16.6



#21

2-Butanone

Concen: 248.848 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014829.D

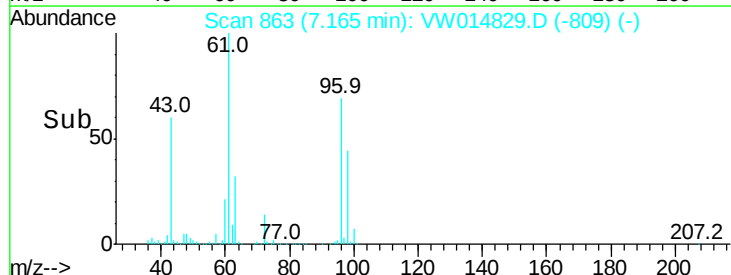
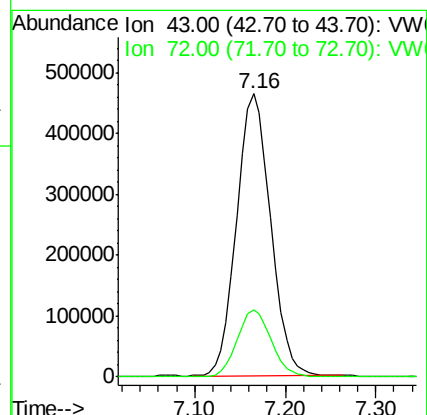
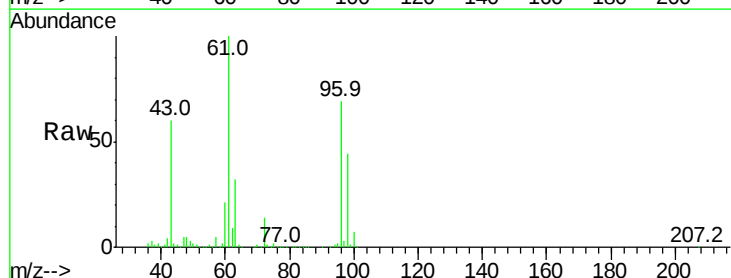
Acq: 03 Feb 2020 11:47

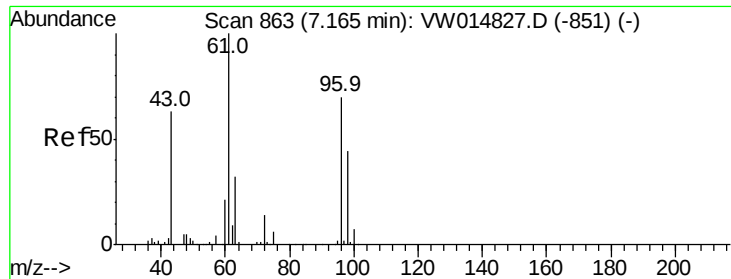
Tgt Ion: 43 Resp: 1208581

Ion Ratio Lower Upper

43 100

72 23.7 11.7 35.0

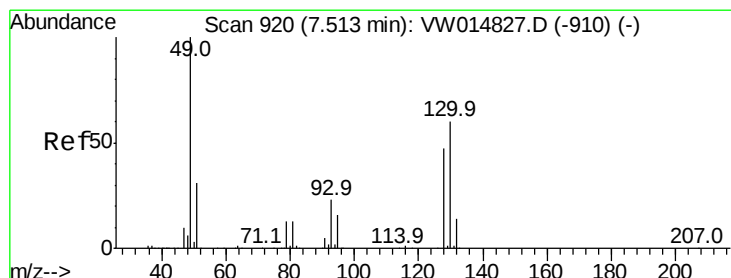
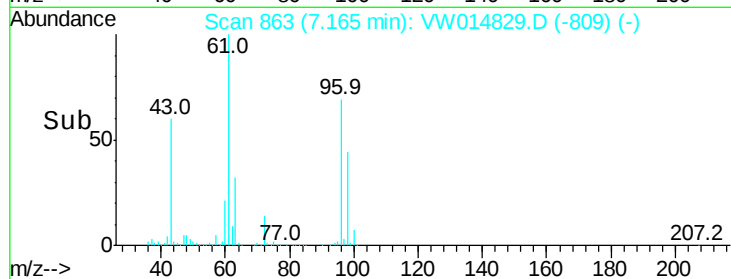
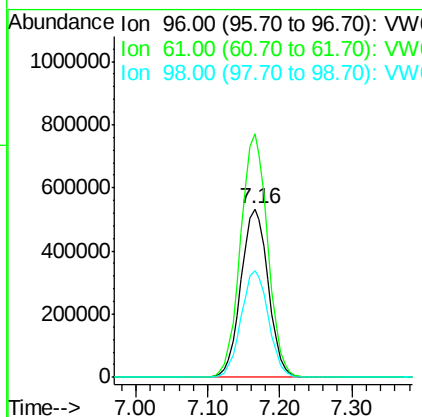
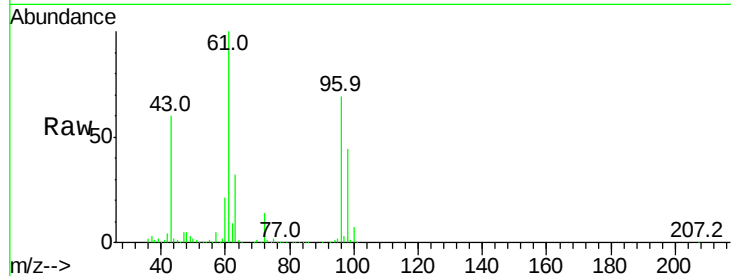




#22
 cis-1,2-Dichloroethene
 Concen: 105.124 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014829.D
 Acq: 03 Feb 2020 11:47

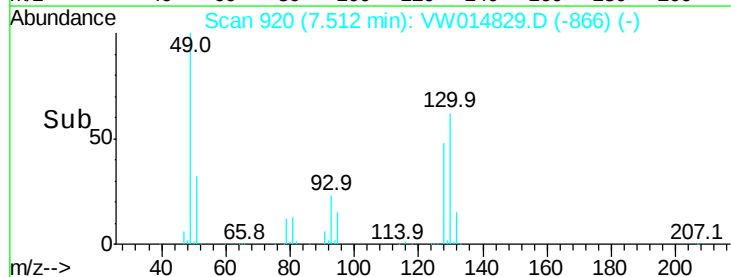
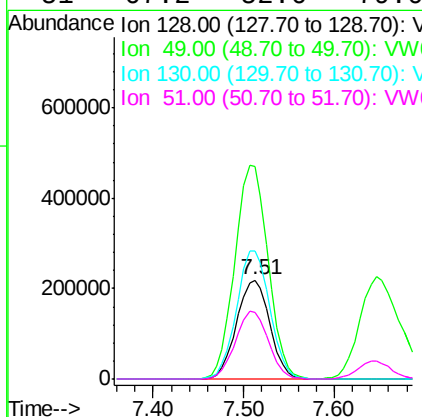
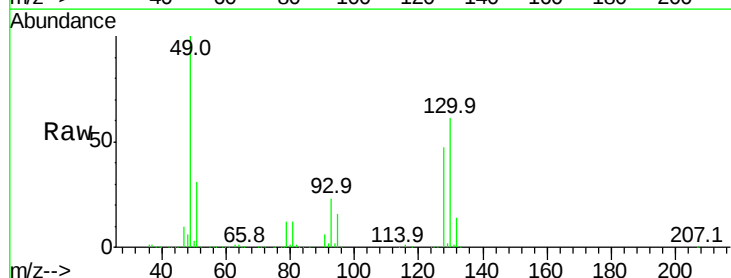
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10003

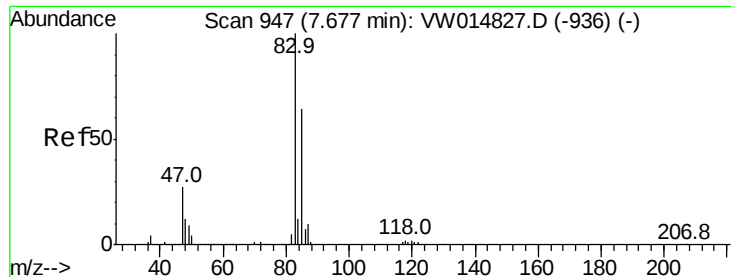
Tgt Ion: 96 Resp: 1397894
 Ion Ratio Lower Upper
 96 100
 61 144.7 100.6 186.8
 98 63.6 44.0 81.8



#23
 Bromochloromethane
 Concen: 95.545 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW014829.D
 Acq: 03 Feb 2020 11:47

Tgt Ion: 128 Resp: 555194
 Ion Ratio Lower Upper
 128 100
 49 214.7 150.7 279.9
 130 130.2 90.6 168.3
 51 67.2 52.6 79.0





#25

Chloroform

Concen: 104.352 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_W

ClientSampled :

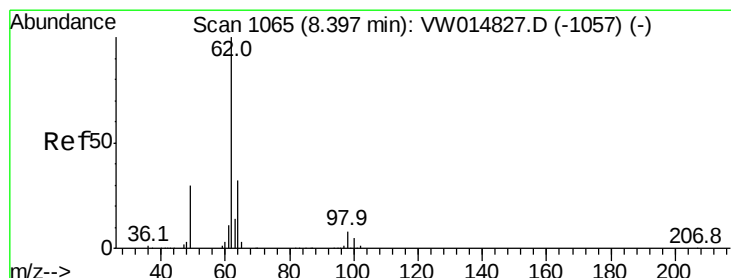
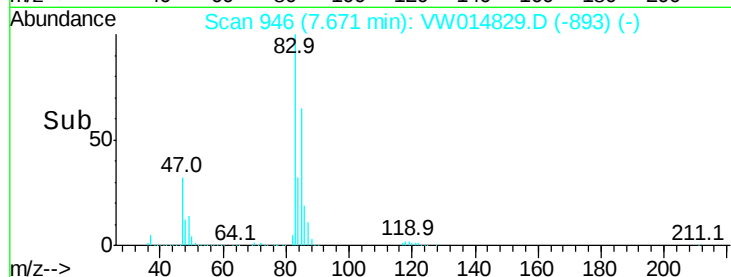
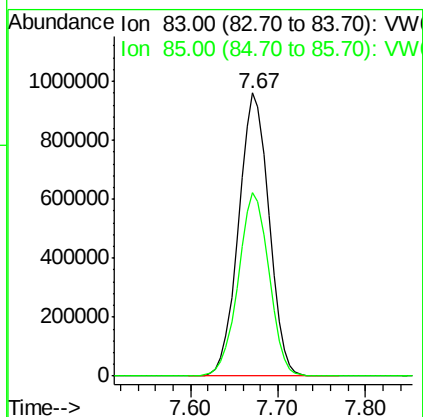
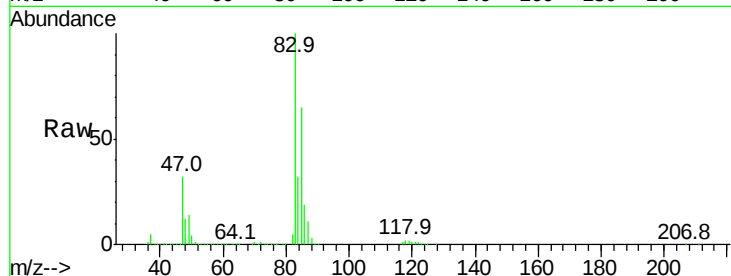
VSTD10003

Tgt Ion: 83 Resp: 2319071

Ion Ratio Lower Upper

83 100

85 65.4 45.4 84.2



#27

1,2-Dichloroethane

Concen: 111.474 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014829.D

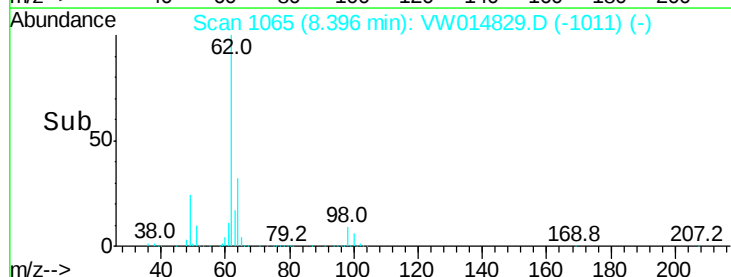
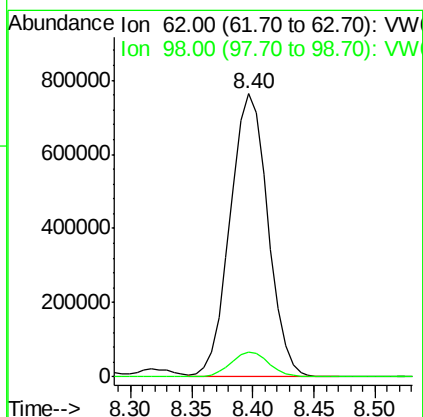
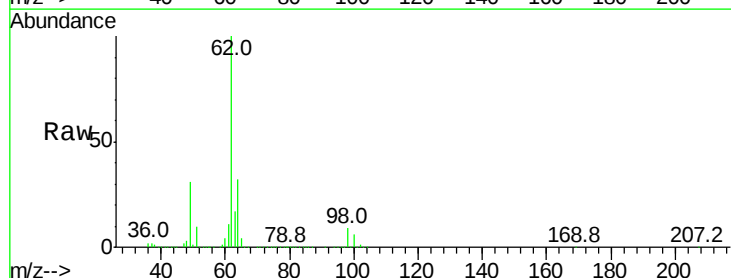
Acq: 03 Feb 2020 11:47

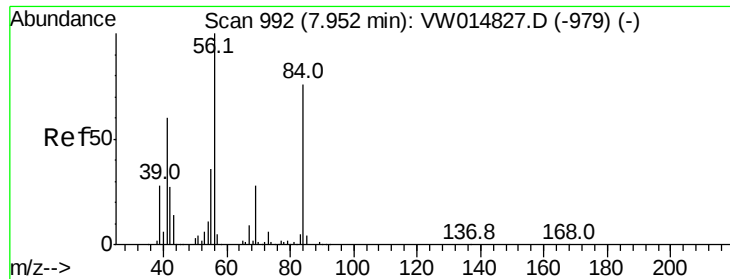
Tgt Ion: 62 Resp: 1636841

Ion Ratio Lower Upper

62 100

98 8.9 6.8 10.2

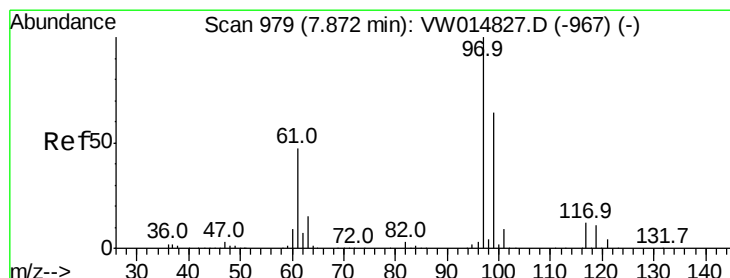
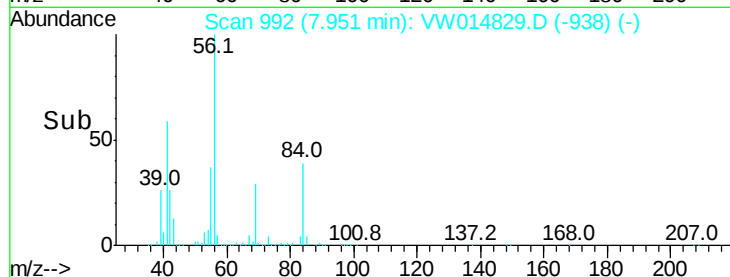
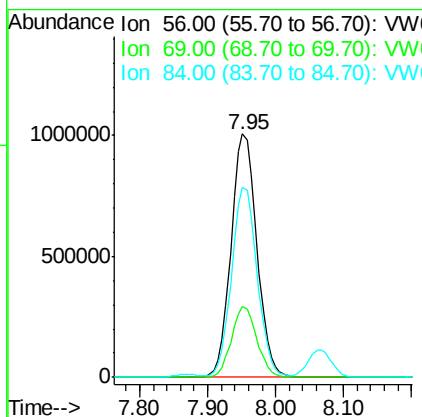
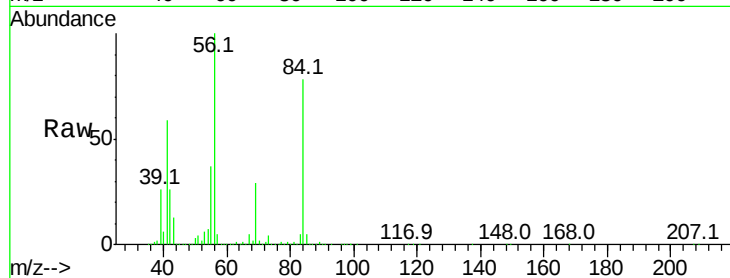




#30
Cyclohexane
Concen: 116.004 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014829.D
Acq: 03 Feb 2020 11:47

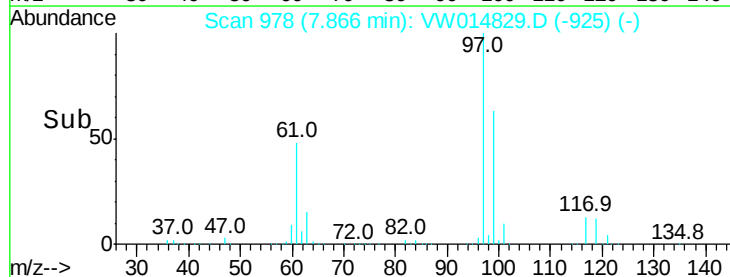
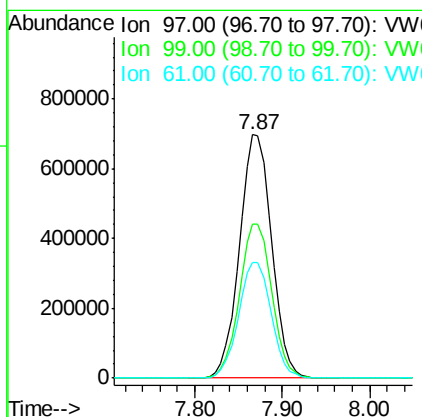
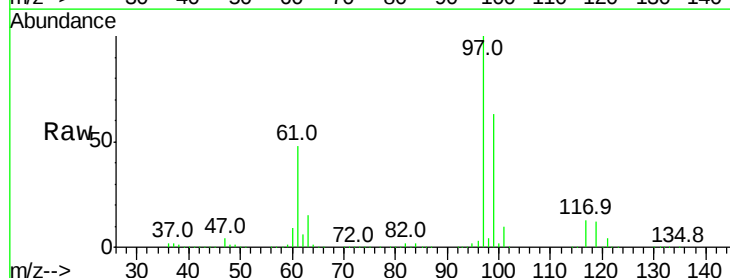
Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

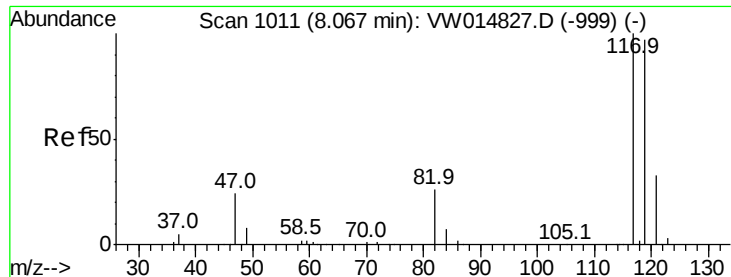
Tgt Ion: 56 Resp: 2653773
Ion Ratio Lower Upper
56 100
69 28.7 22.6 33.8
84 77.7 62.2 93.4



#31
1,1,1-Trichloroethane
Concen: 97.622 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014829.D
Acq: 03 Feb 2020 11:47

Tgt Ion: 97 Resp: 1785736
Ion Ratio Lower Upper
97 100
99 63.8 51.4 77.0
61 48.2 39.0 58.4



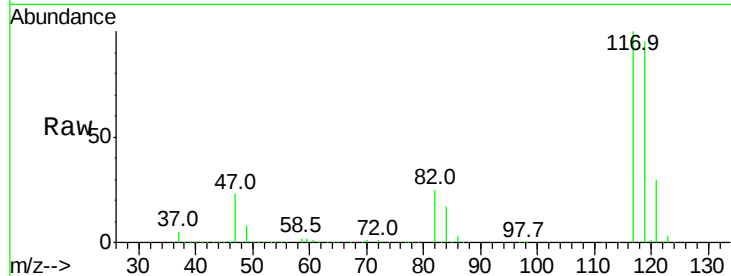


#32

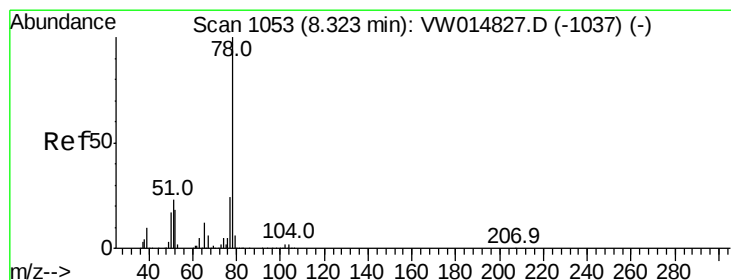
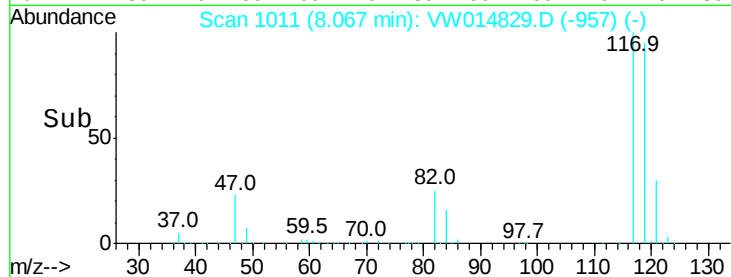
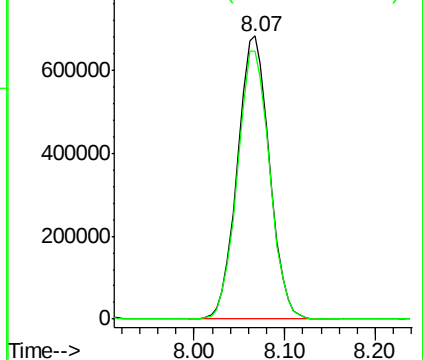
Carbon tetrachloride
Concen: 97.403 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW014829.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

Tgt Ion:117 Resp: 1669773
Ion Ratio Lower Upper
117 100
119 95.7 77.0 115.4



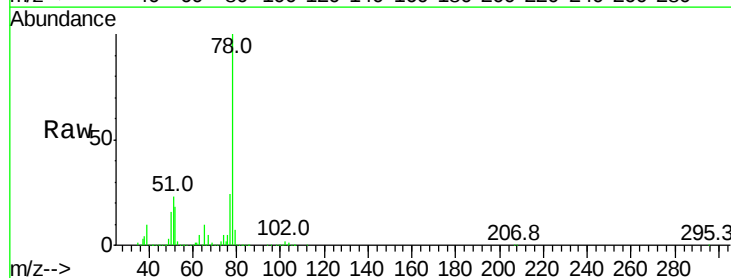
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



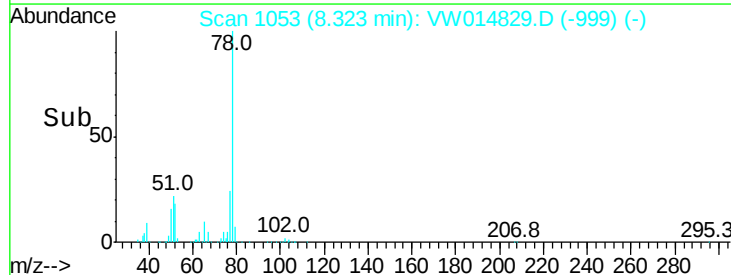
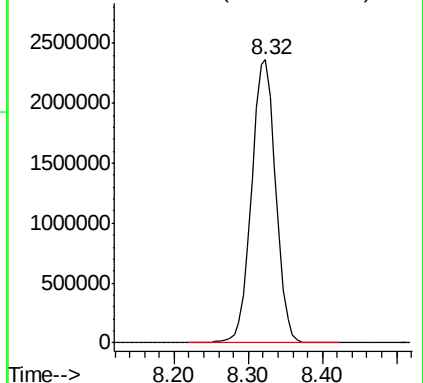
#34

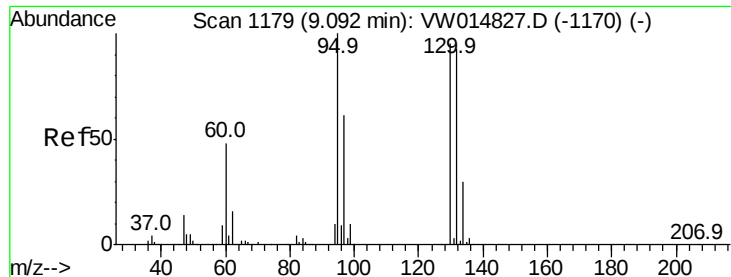
Benzene
Concen: 100.230 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW014829.D
Acq: 03 Feb 2020 11:47

Tgt Ion: 78 Resp: 5377683



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 100.661 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

Tgt Ion: 95 Resp: 1372037

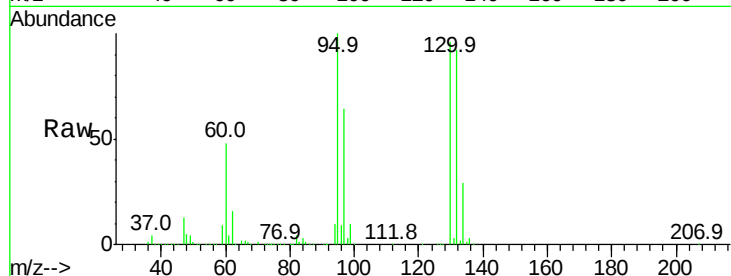
Ion Ratio Lower Upper

95 100

97 63.2 44.4 82.5

132 91.3 64.3 119.5

130 95.5 67.6 125.6

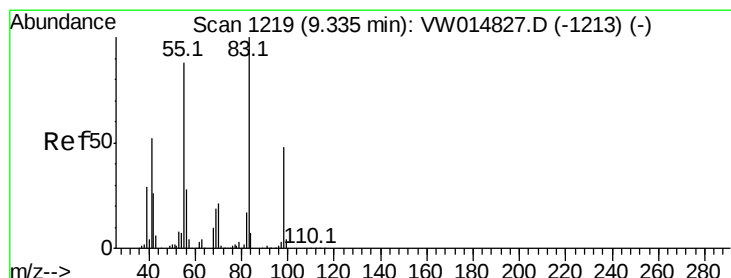
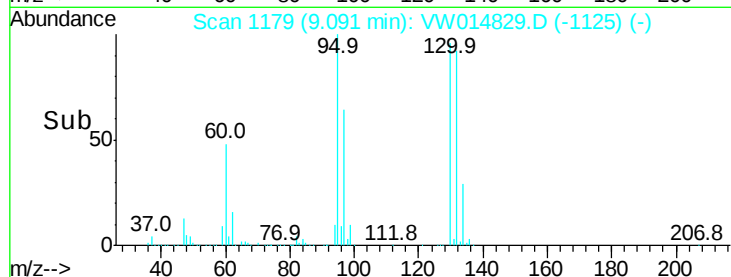
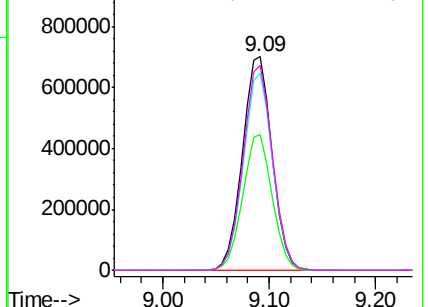


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 108.537 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

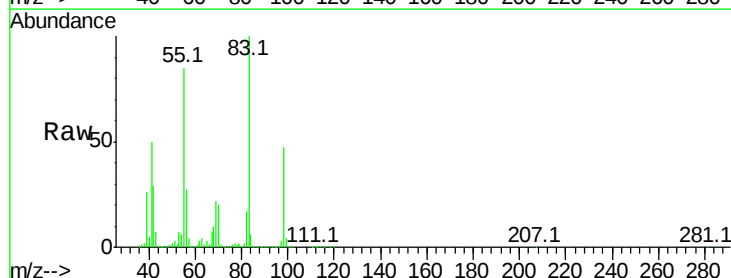
Tgt Ion: 83 Resp: 2573688

Ion Ratio Lower Upper

83 100

55 85.3 71.0 106.6

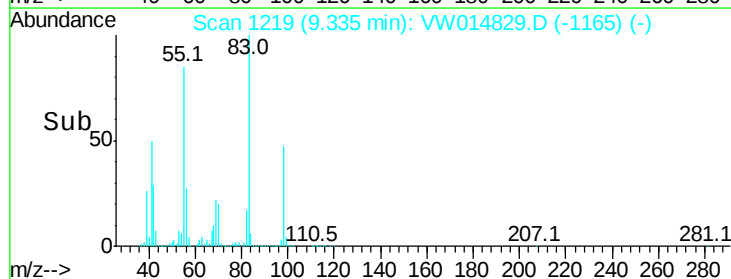
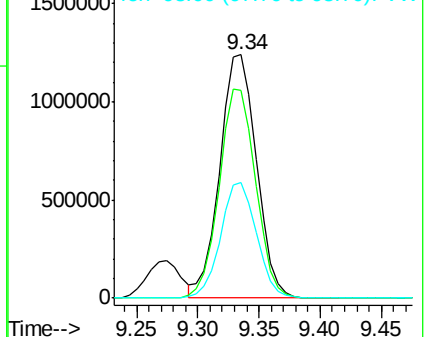
98 46.5 37.7 56.5

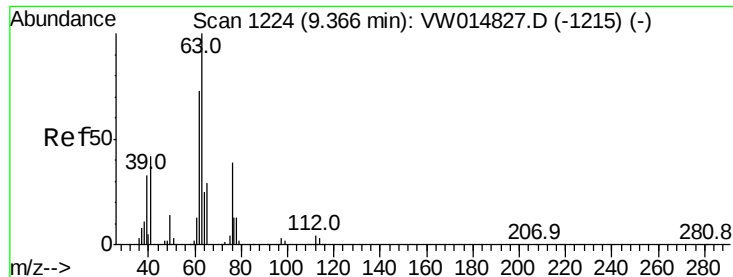


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 106.953 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

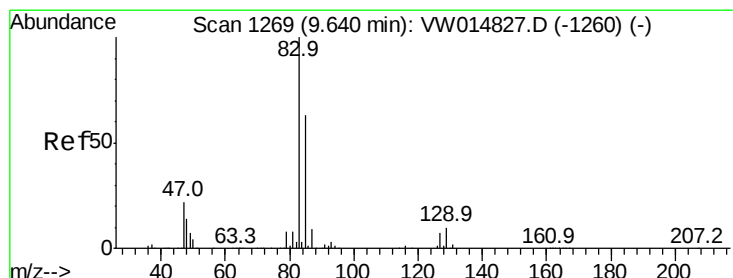
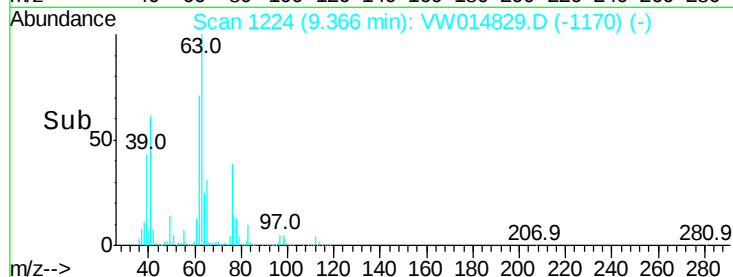
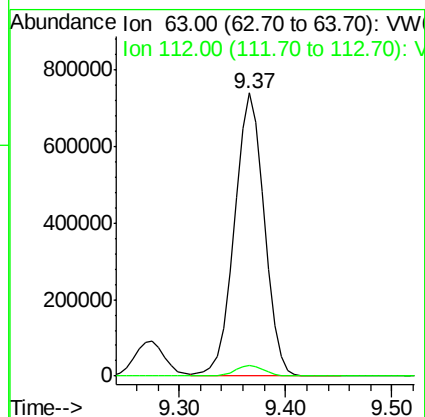
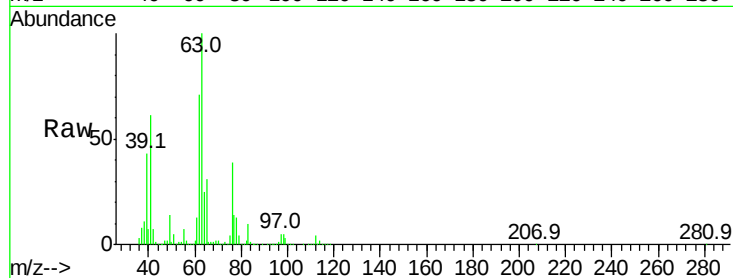
VSTD10003

Tgt Ion: 63 Resp: 1454720

Ion Ratio Lower Upper

63 100

112 3.7 3.2 4.8



#41

Bromodichloromethane

Concen: 106.572 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

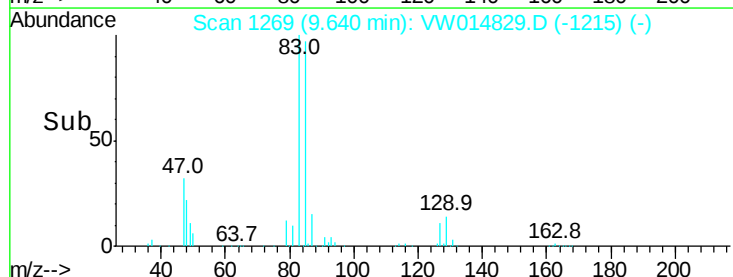
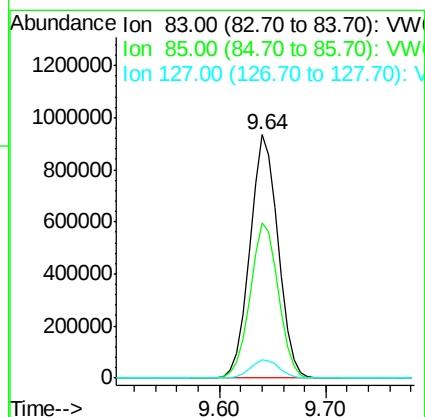
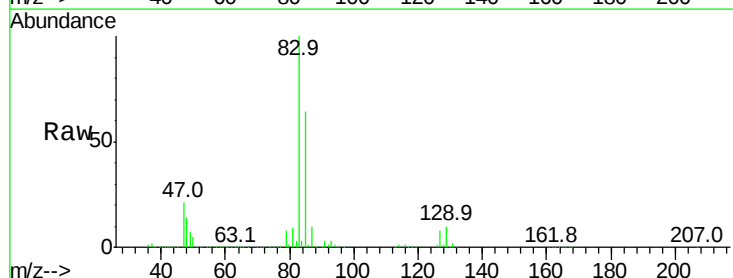
Tgt Ion: 83 Resp: 1732359

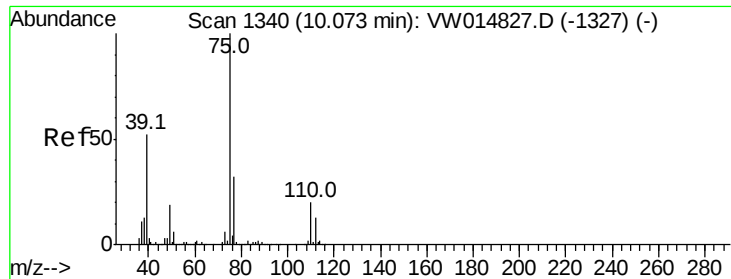
Ion Ratio Lower Upper

83 100

85 63.9 44.2 82.0

127 7.6 6.0 9.0





#42

cis-1,3-Dichloropropene

Concen: 115.754 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_W

ClientSampled :

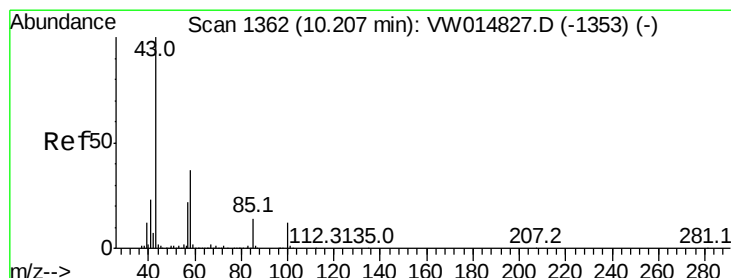
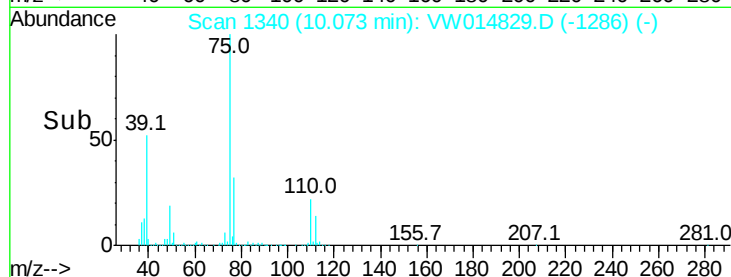
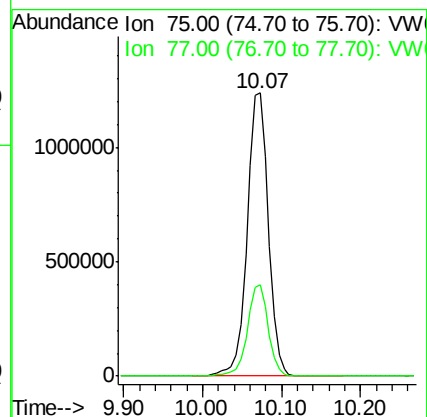
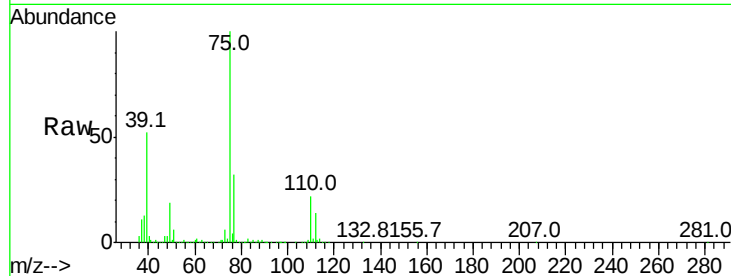
VSTD10003

Tgt Ion: 75 Resp: 2299566

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 279.436 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

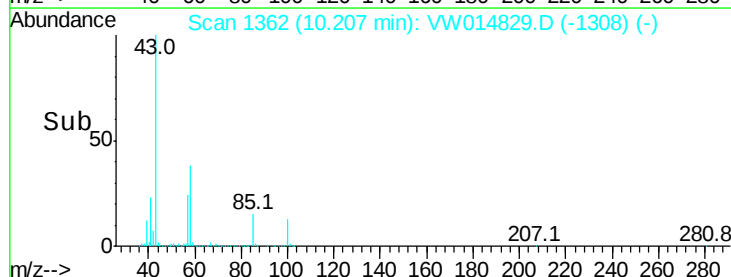
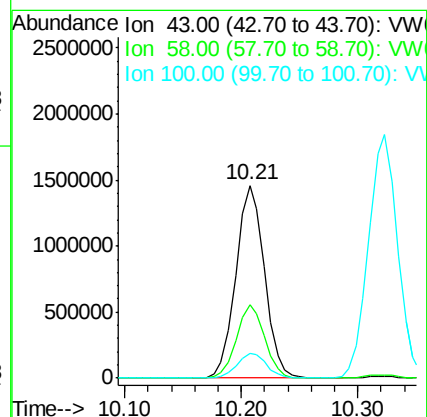
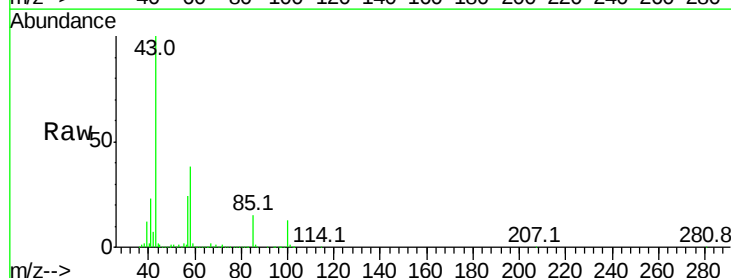
Tgt Ion: 43 Resp: 2499129

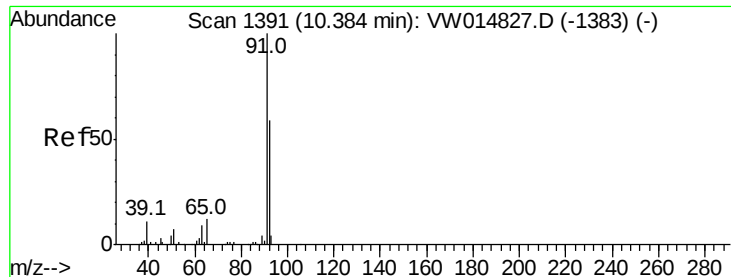
Ion Ratio Lower Upper

43 100

58 37.5 29.3 43.9

100 13.1 10.2 15.4





#44

Toluene

Concen: 103.118 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

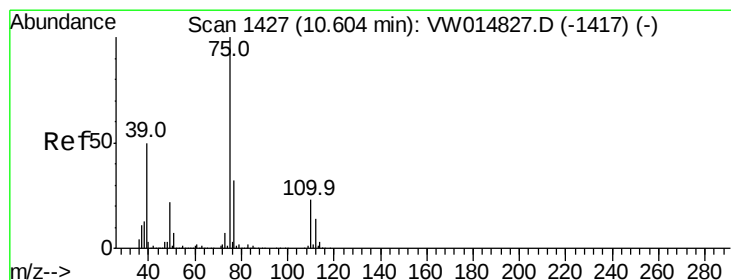
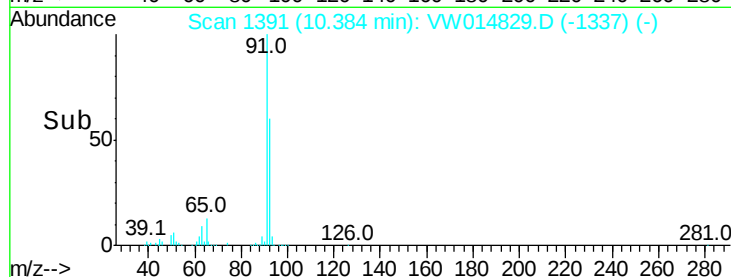
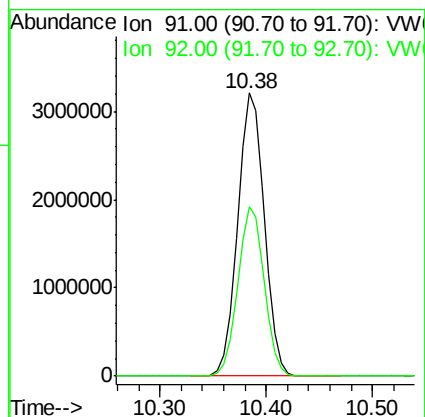
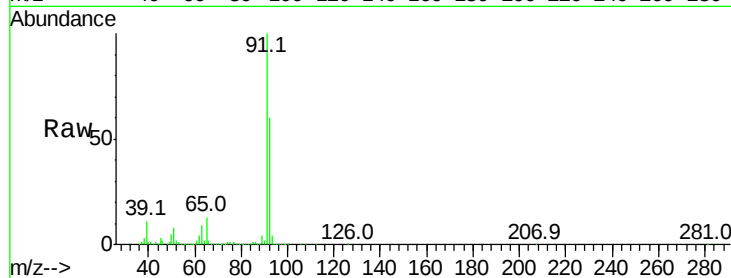
VSTD10003

Tgt Ion: 91 Resp: 5621724

Ion Ratio Lower Upper

91 100

92 59.7 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 117.182 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014829.D

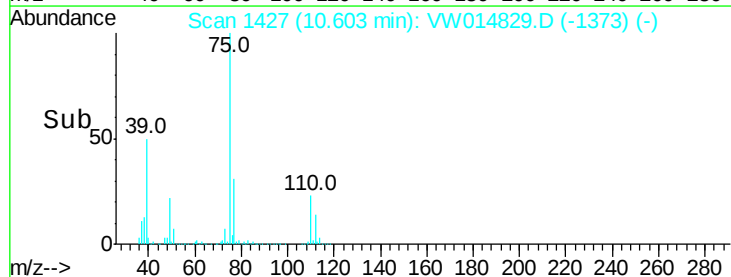
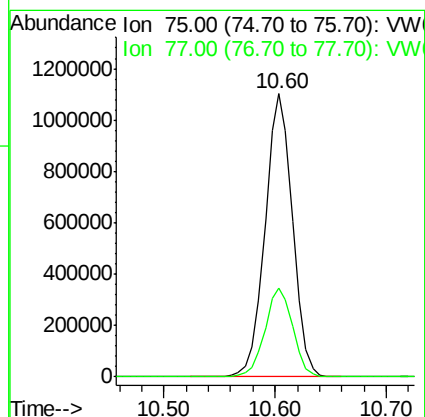
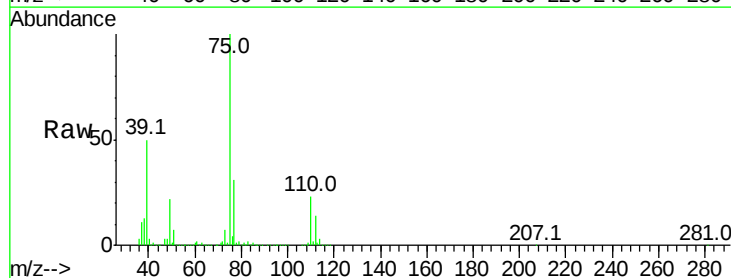
Acq: 03 Feb 2020 11:47

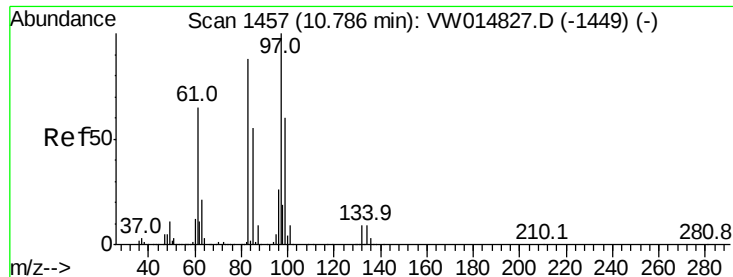
Tgt Ion: 75 Resp: 1889785

Ion Ratio Lower Upper

75 100

77 31.4 22.7 42.1



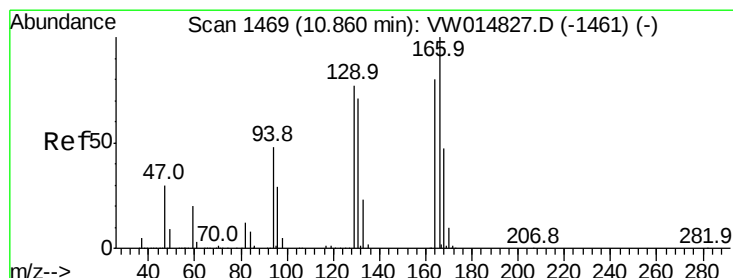
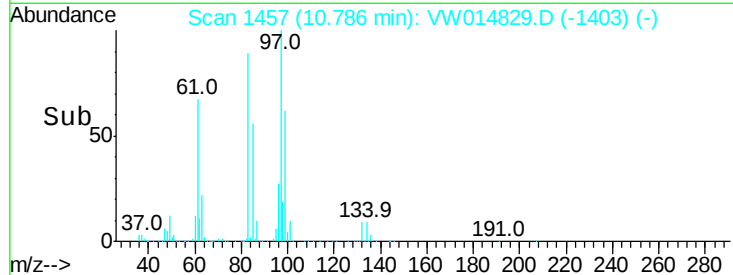
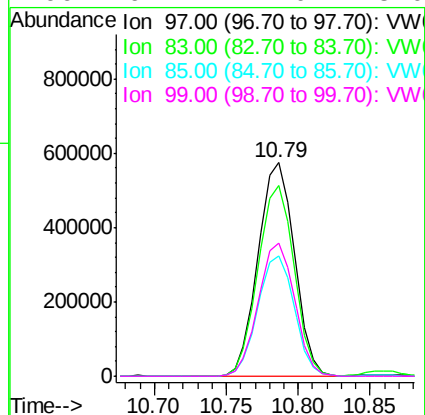
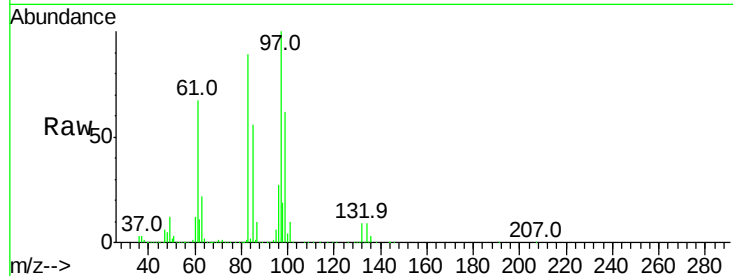


#46
 1,1,2-Trichloroethane
 Concen: 108.535 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014829.D
 Acq: 03 Feb 2020 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10003

Tgt Ion: 97 Resp: 1007732

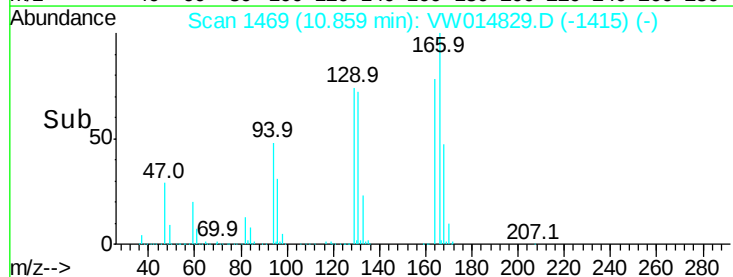
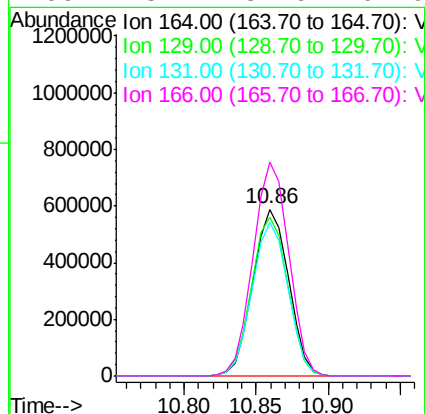
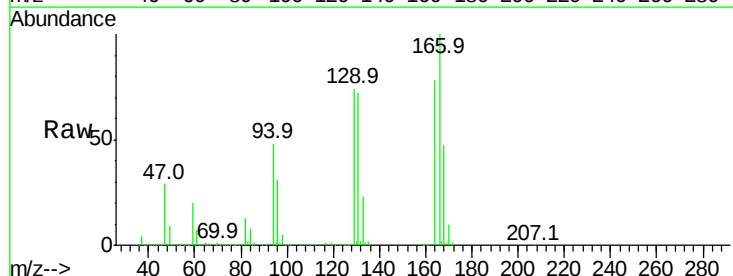
Ion	Ratio	Lower	Upper
97	100		
83	89.2	61.9	115.1
85	56.1	38.5	71.5
99	62.2	42.0	78.0

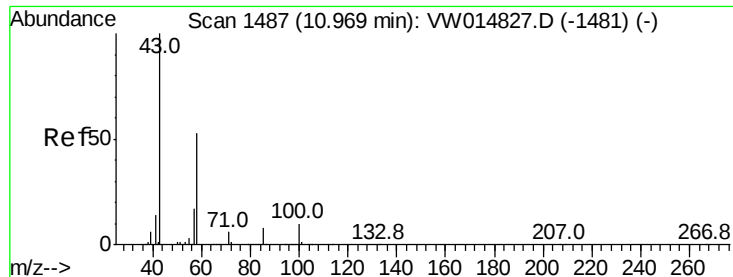


#47
 Tetrachloroethene
 Concen: 92.735 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW014829.D
 Acq: 03 Feb 2020 11:47

Tgt Ion: 164 Resp: 1009924

Ion	Ratio	Lower	Upper
164	100		
129	95.3	67.1	124.5
131	92.2	62.2	115.6
166	128.2	87.6	162.6



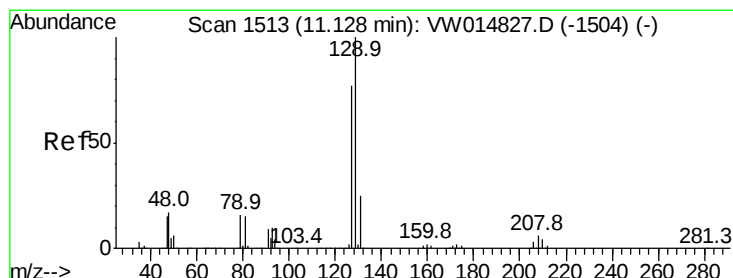
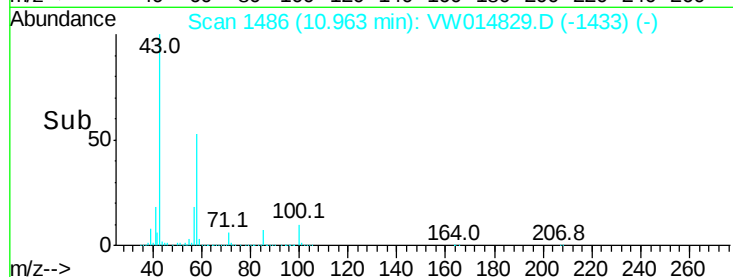
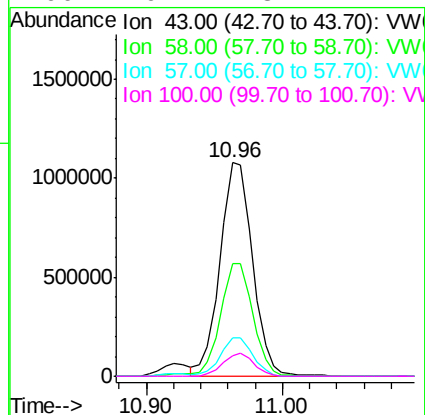
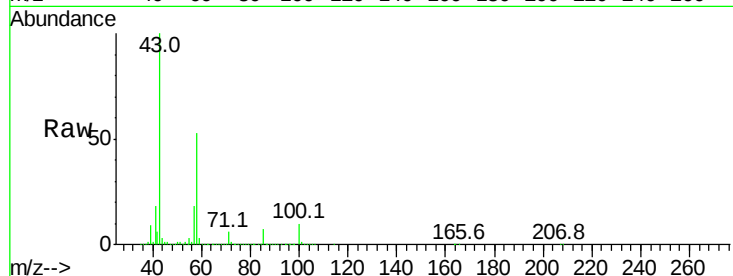


#49
2-Hexanone
Concen: 278.443 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW014829.D
Acq: 03 Feb 2020 11:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD10003

Tgt Ion: 43 Resp: 1790397

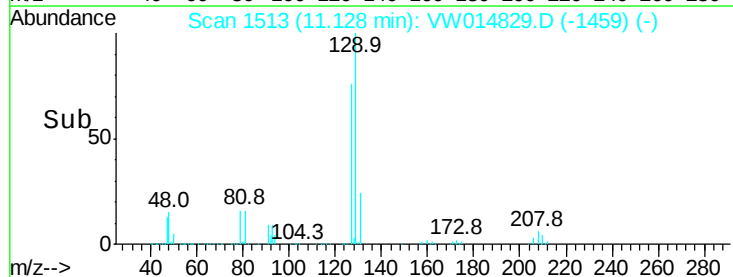
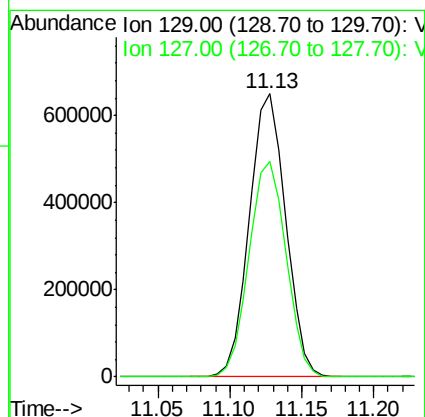
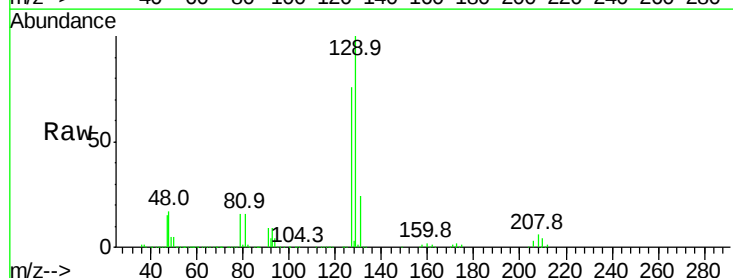
Ion	Ratio	Lower	Upper
43	100		
58	52.3	41.1	61.7
57	17.9	14.1	21.1
100	10.2	8.1	12.1

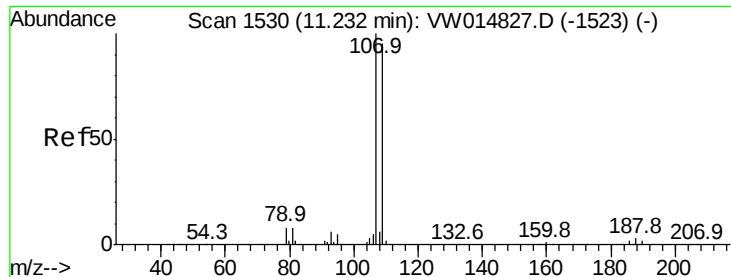


#50
Dibromochloromethane
Concen: 107.080 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014829.D
Acq: 03 Feb 2020 11:47

Tgt Ion: 129 Resp: 1134369

Ion	Ratio	Lower	Upper
129	100		
127	76.0	54.2	100.6





#51

1,2-Dibromoethane

Concen: 108.766 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

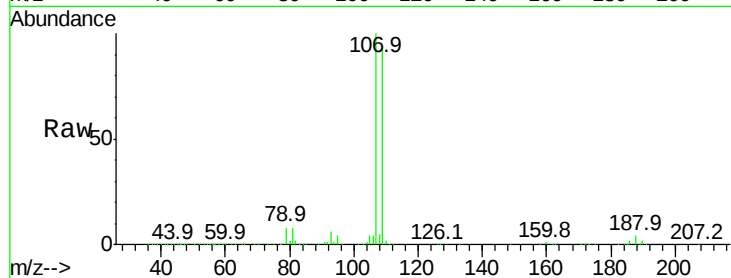
Tgt Ion:107 Resp: 971431

Ion Ratio Lower Upper

107 100

109 93.3 66.6 123.8

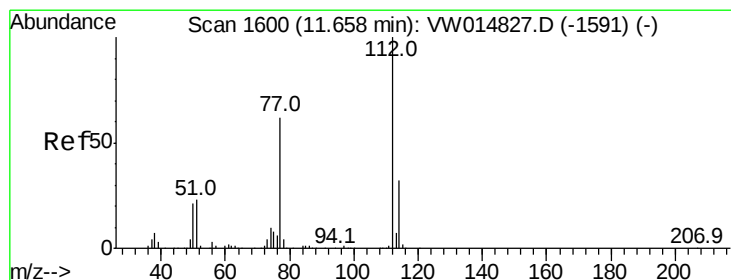
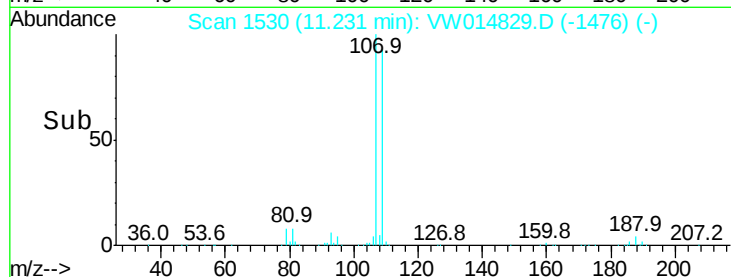
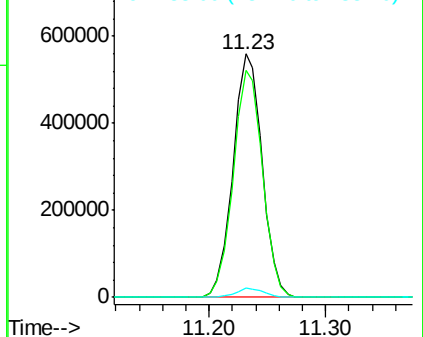
188 3.6 2.5 3.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 99.823 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

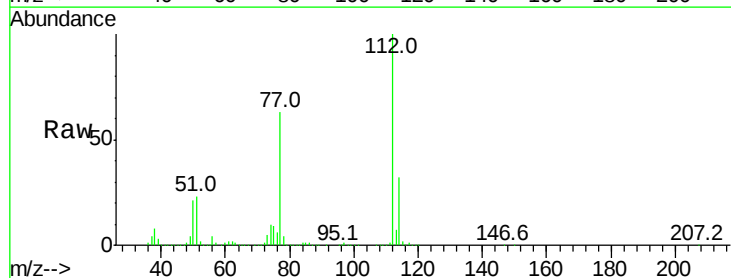
Tgt Ion:112 Resp: 3398131

Ion Ratio Lower Upper

112 100

77 63.1 49.8 74.8

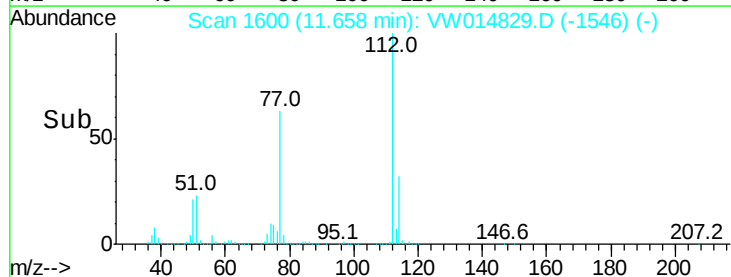
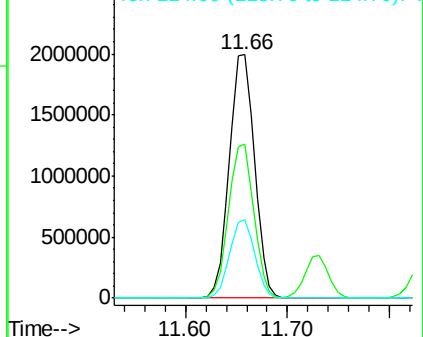
114 32.1 22.1 41.1

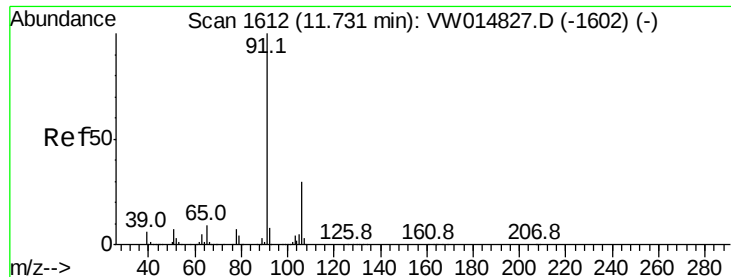


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 105.948 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

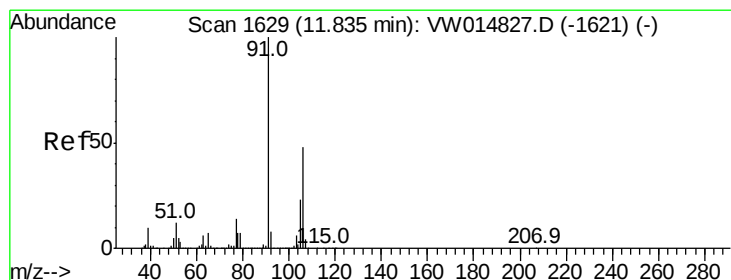
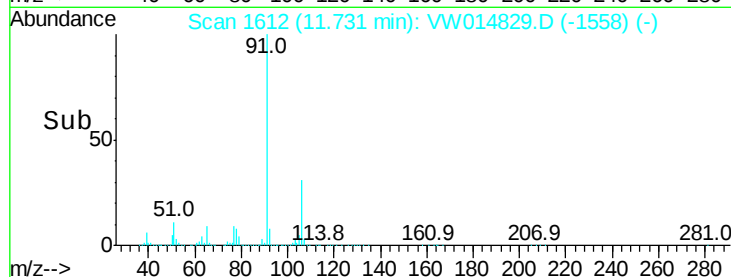
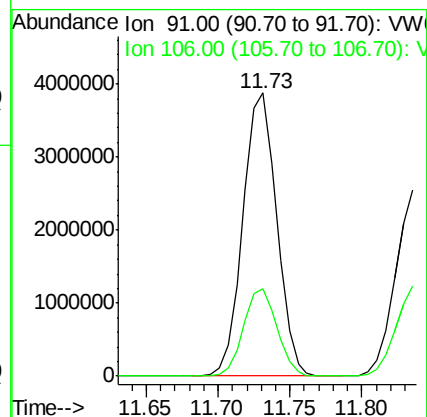
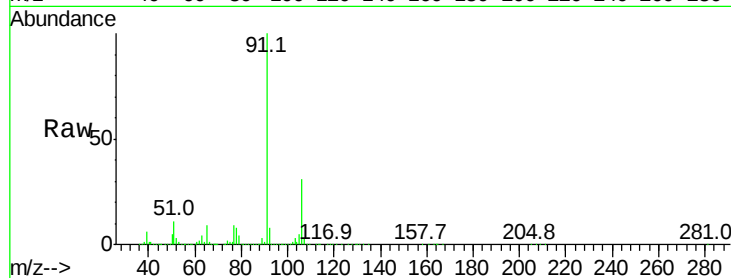
VSTD10003

Tgt Ion: 91 Resp: 6312094

Ion Ratio Lower Upper

91 100

106 31.0 21.3 39.5



#54

m,p-Xylene

Concen: 104.900 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014829.D

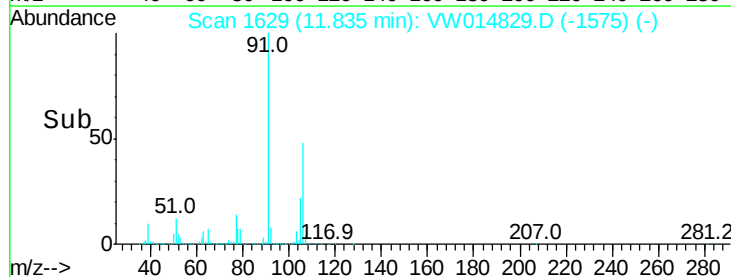
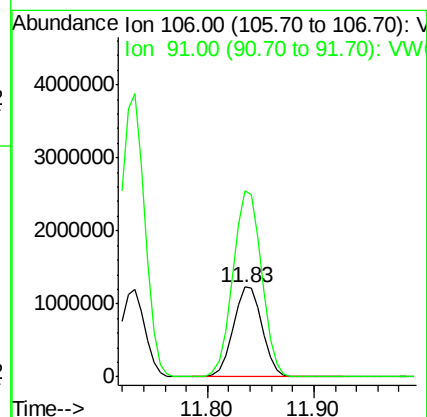
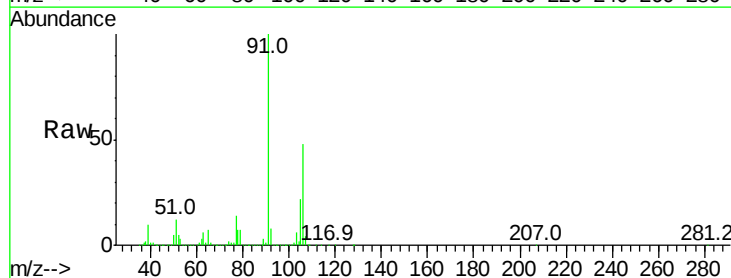
Acq: 03 Feb 2020 11:47

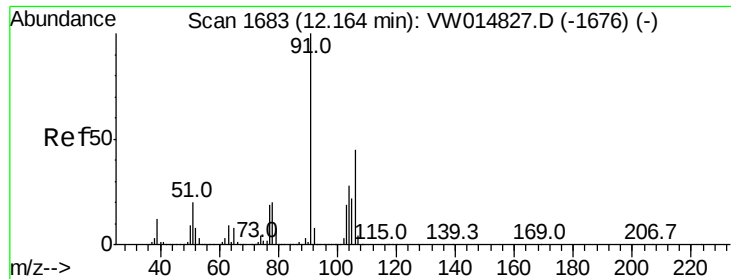
Tgt Ion:106 Resp: 2336191

Ion Ratio Lower Upper

106 100

91 207.9 145.3 269.9

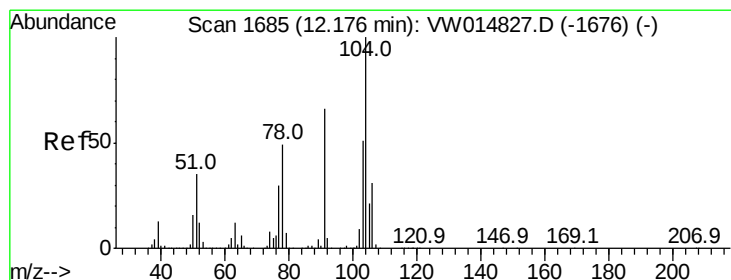
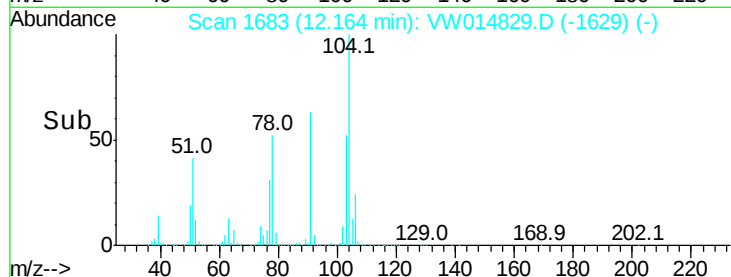
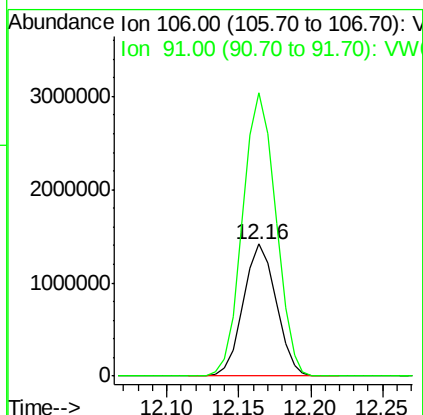
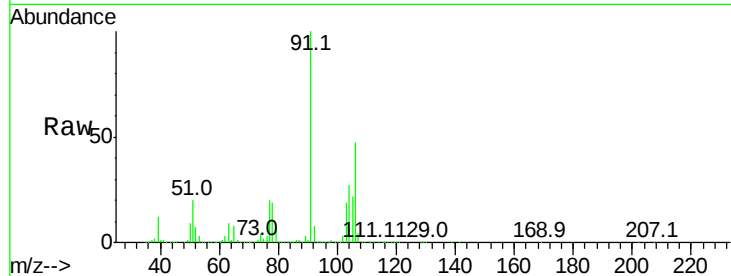




#55
o-xylene
Concen: 107.341 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014829.D
Acq: 03 Feb 2020 11:47

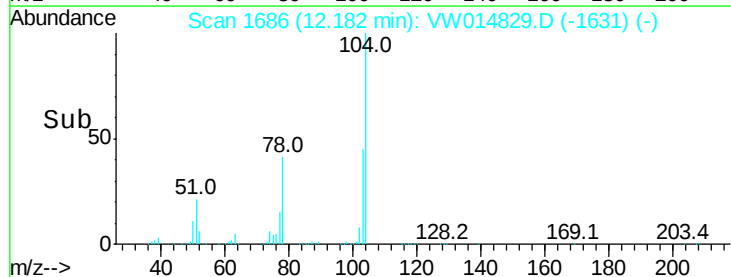
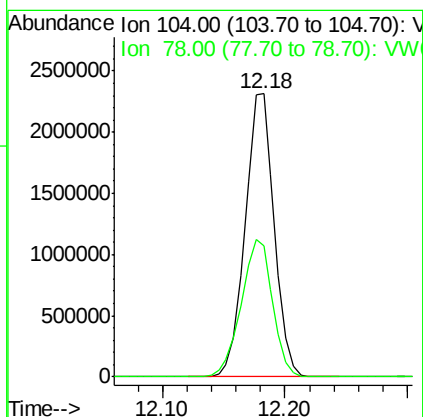
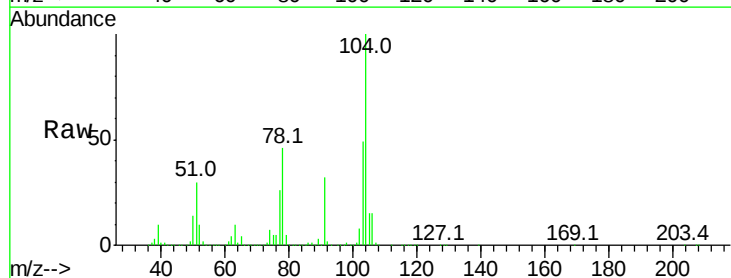
Instrument :
MSVOA_W
ClientSampled :
VSTD10003

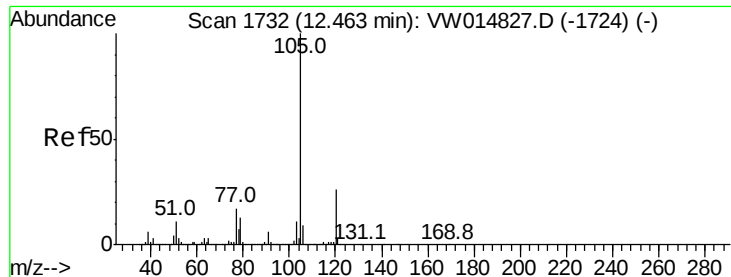
Tgt Ion:106 Resp: 2243054
Ion Ratio Lower Upper
106 100
91 214.4 154.6 287.0



#56
Styrene
Concen: 107.567 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW014829.D
Acq: 03 Feb 2020 11:47

Tgt Ion:104 Resp: 3812146
Ion Ratio Lower Upper
104 100
78 46.3 34.3 63.7





#57

Isopropylbenzene

Concen: 106.034 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

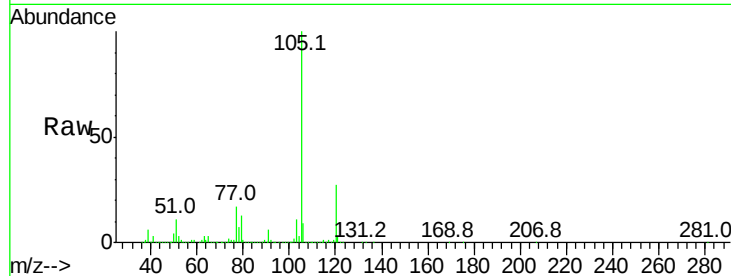
Tgt Ion:105 Resp: 6000889

Ion Ratio Lower Upper

105 100

120 26.4 20.5 30.7

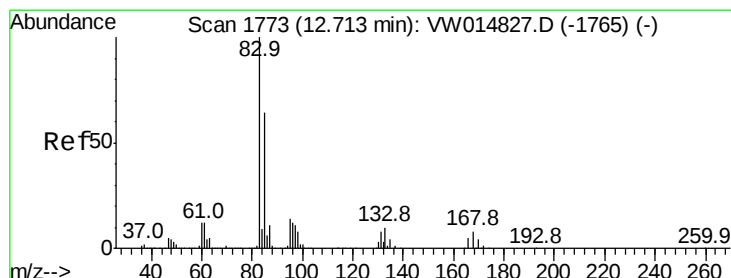
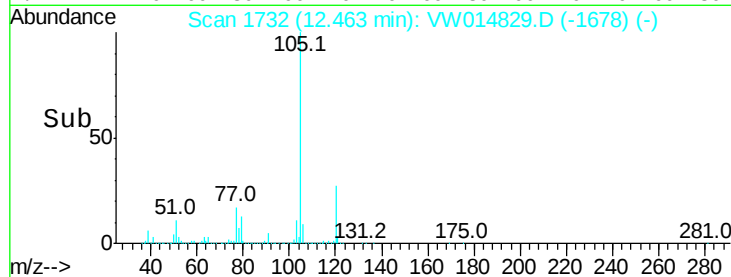
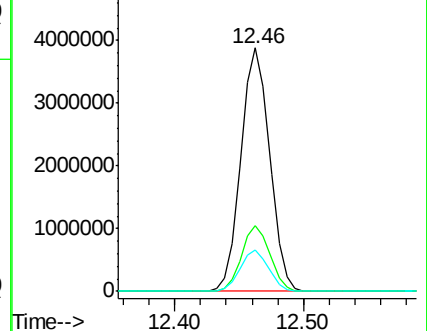
77 16.7 13.3 19.9



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: 113.173 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

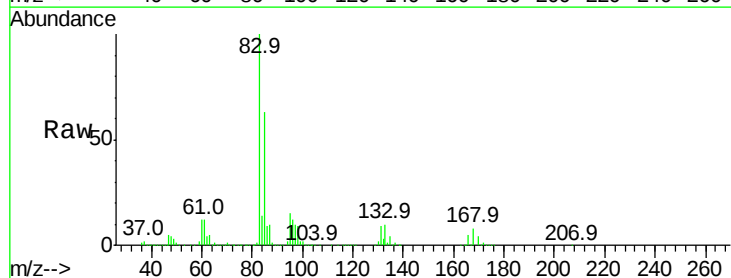
Tgt Ion: 83 Resp: 1353867

Ion Ratio Lower Upper

83 100

85 63.3 44.9 83.5

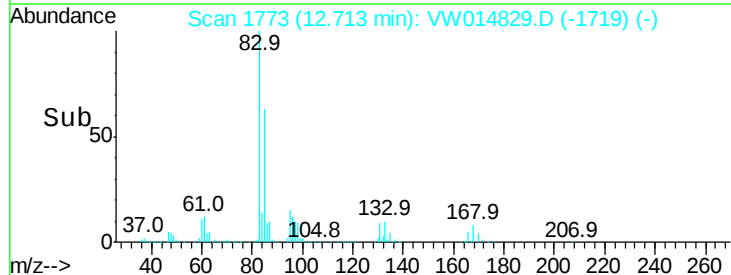
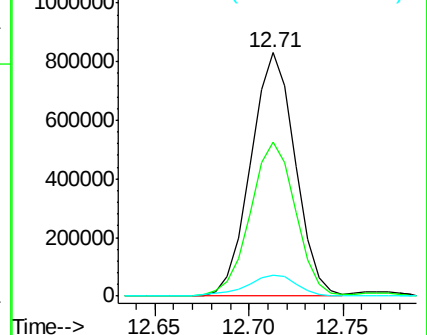
131 8.8 6.9 10.3

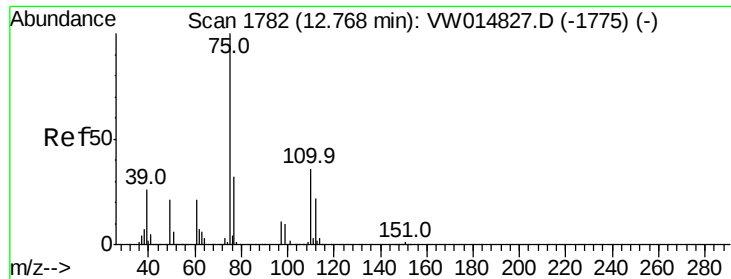


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 114.652 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

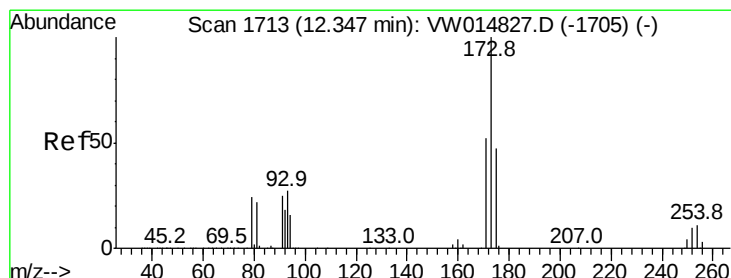
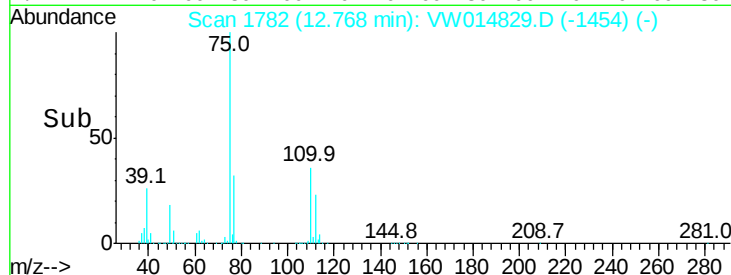
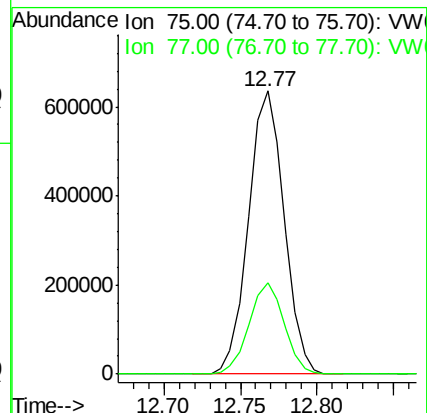
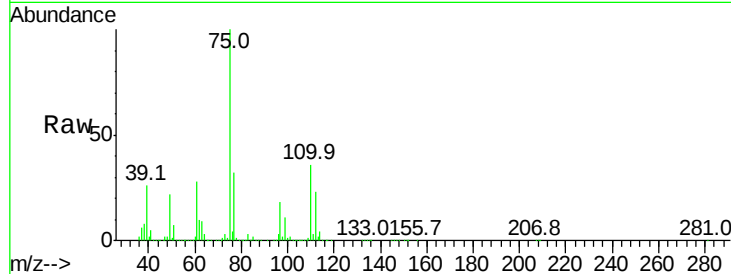
VSTD10003

Tgt Ion: 75 Resp: 1030279

Ion Ratio Lower Upper

75 100

77 31.9 25.3 37.9



#62

Bromoform

Concen: 107.666 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

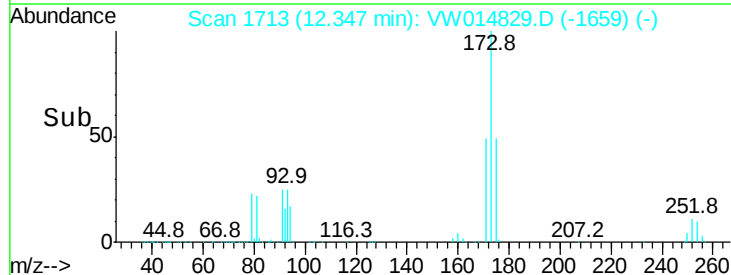
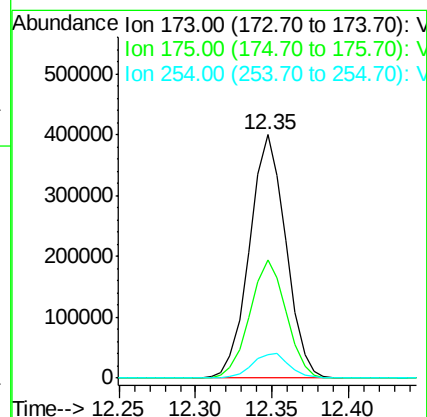
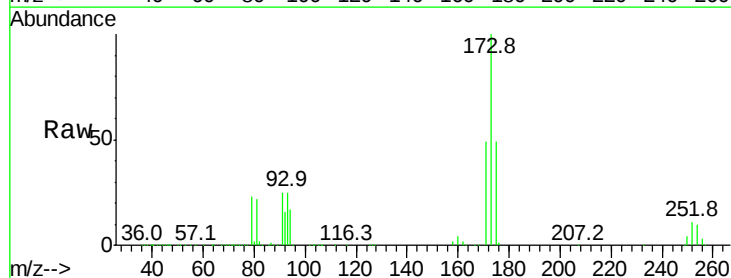
Tgt Ion: 173 Resp: 660053

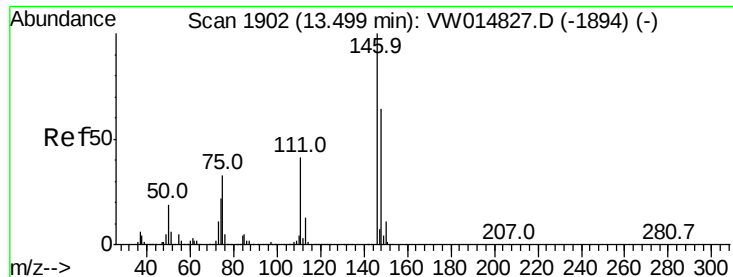
Ion Ratio Lower Upper

173 100

175 48.7 38.2 57.4

254 10.4 8.6 13.0





#63

1,3-Dichlorobenzene

Concen: 98.321 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

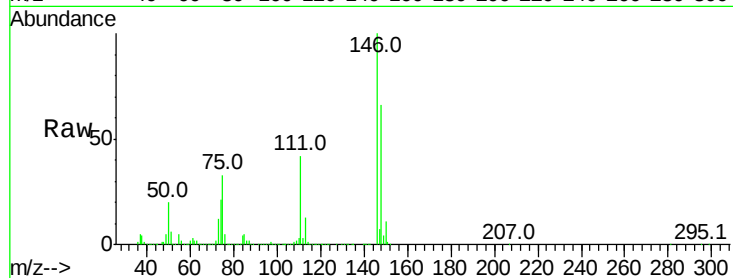
Tgt Ion:146 Resp: 2479118

Ion Ratio Lower Upper

146 100

111 41.7 28.8 53.4

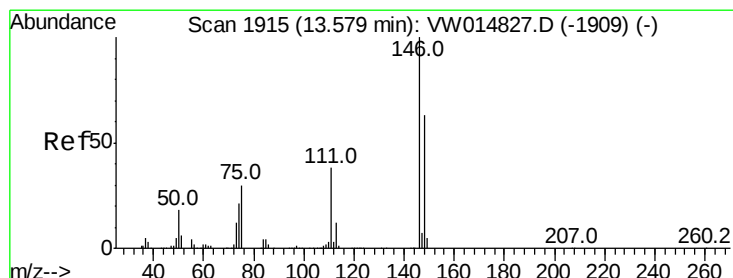
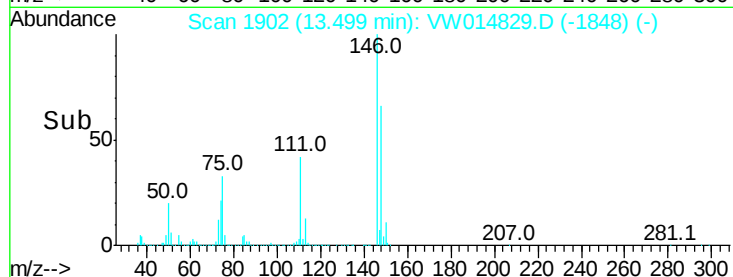
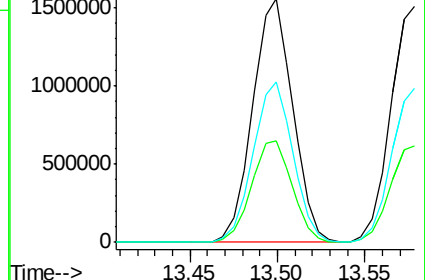
148 65.7 45.1 83.7



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



#64

1,4-Dichlorobenzene

Concen: 98.769 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

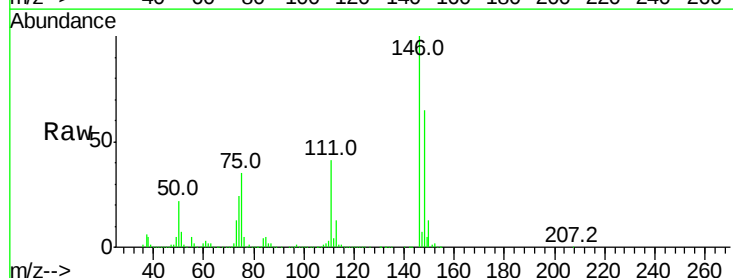
Tgt Ion:146 Resp: 2495868

Ion Ratio Lower Upper

146 100

111 40.7 27.2 50.4

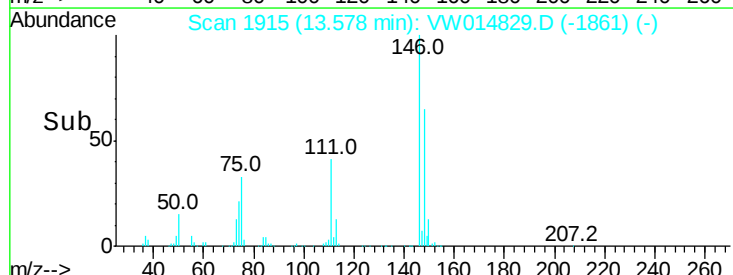
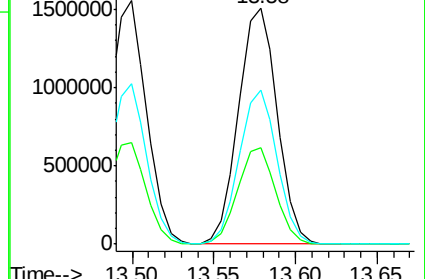
148 65.5 44.2 82.0

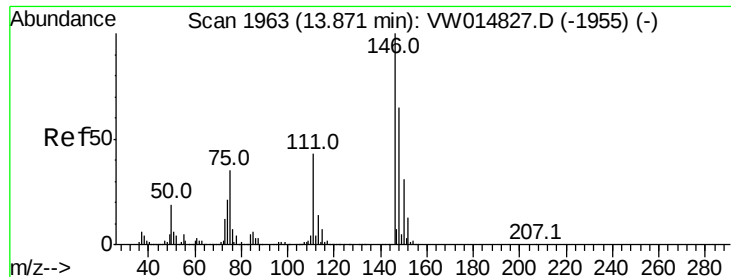


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

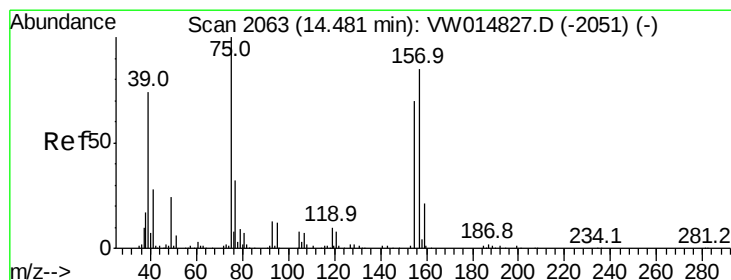
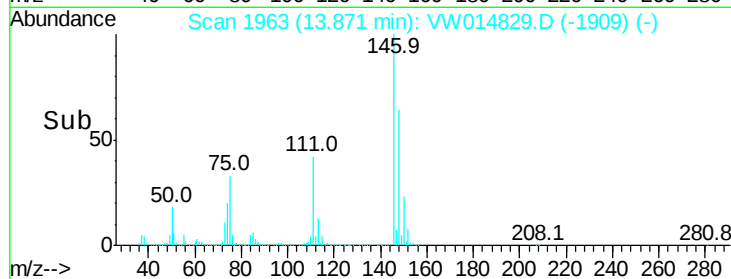
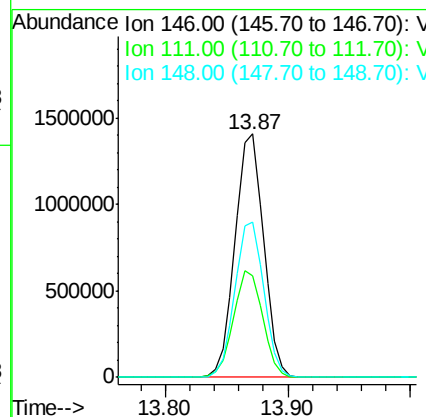
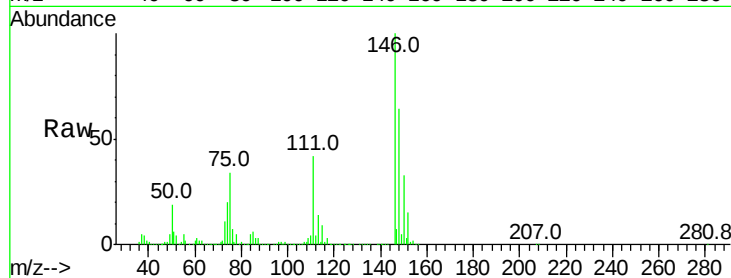




#65
 1,2-Dichlorobenzene
 Concen: 99.119 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW014829.D
 Acq: 03 Feb 2020 11:47

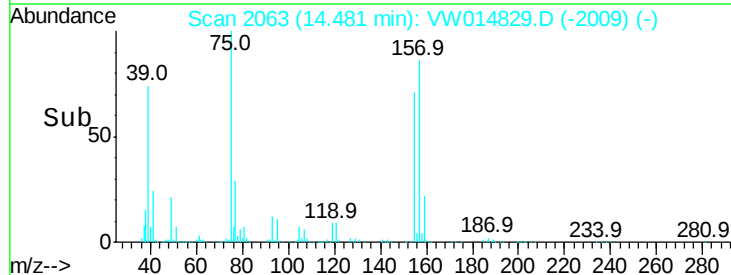
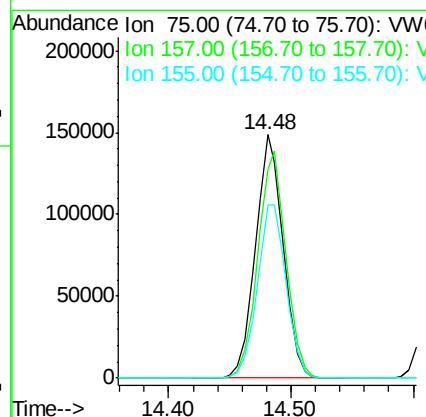
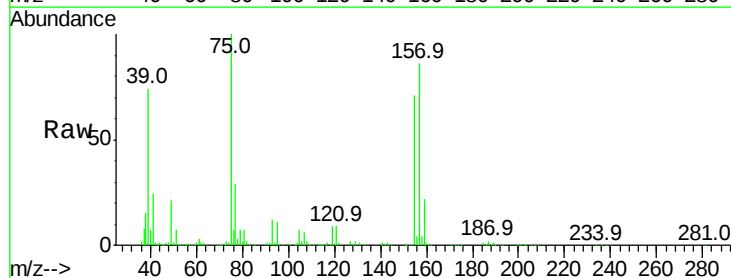
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10003

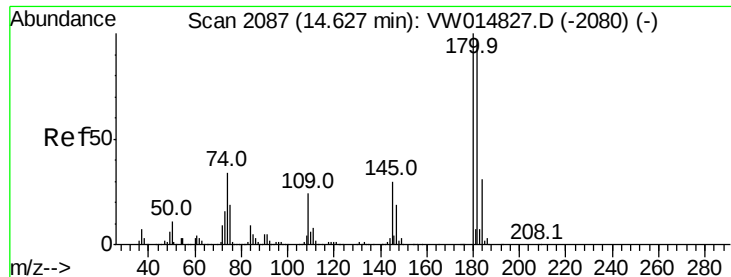
Tgt Ion:146 Resp: 2273182
 Ion Ratio Lower Upper
 146 100
 111 41.9 34.3 51.5
 148 63.9 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 124.509 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014829.D
 Acq: 03 Feb 2020 11:47

Tgt Ion: 75 Resp: 234203
 Ion Ratio Lower Upper
 75 100
 157 86.0 68.2 102.2
 155 71.1 56.0 84.0

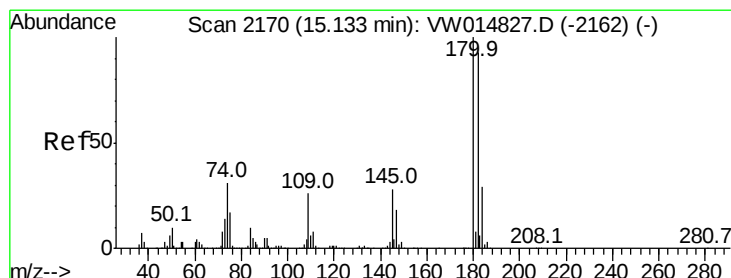
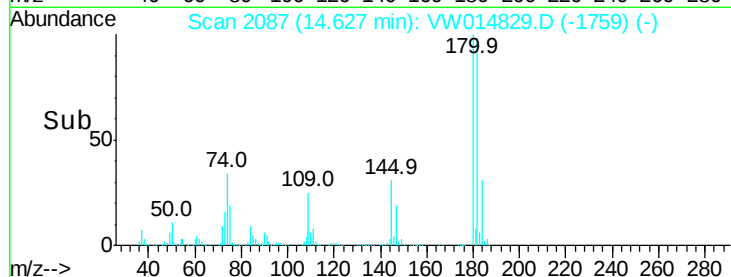
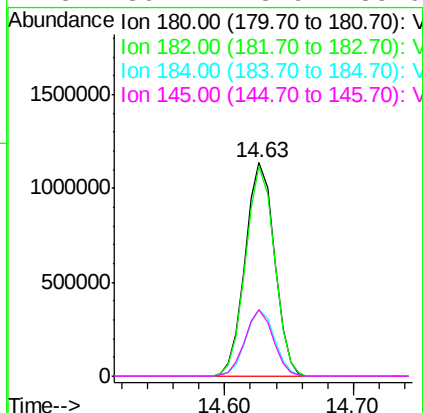
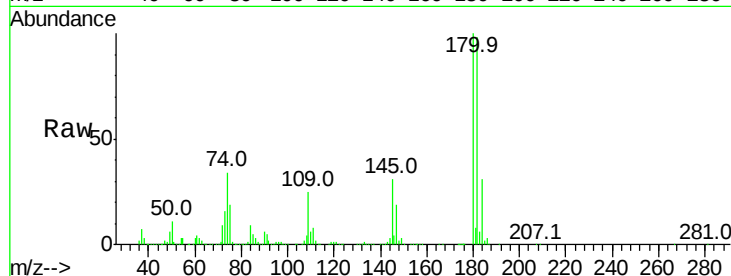




#67
 1,3,5-Trichlorobenzene
 Concen: 95.602 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014829.D
 Acq: 03 Feb 2020 11:47

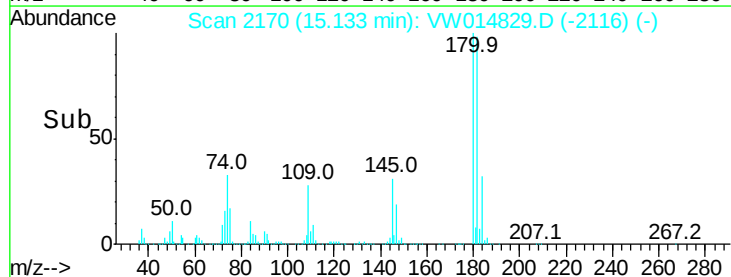
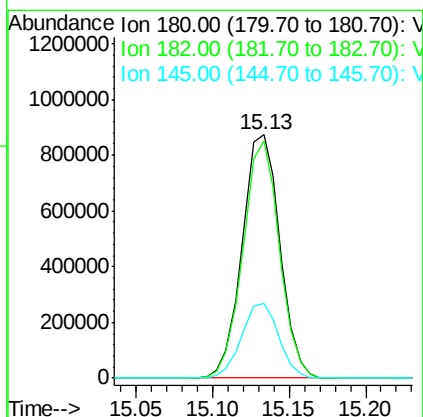
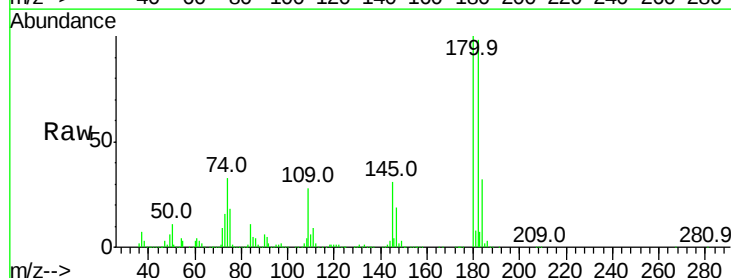
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10003

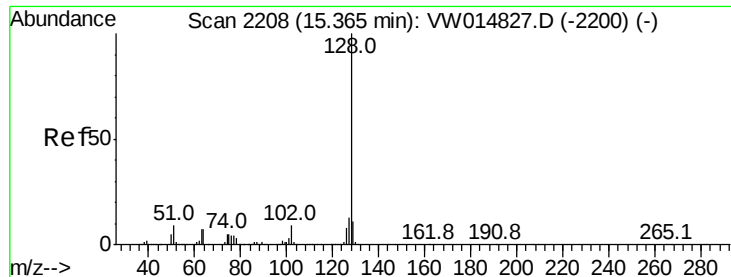
Tgt Ion:180 Resp: 1785434
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.1 114.1
 184 30.6 24.2 36.2
 145 30.1 23.9 35.9



#68
 1,2,4-trichlorobenzene
 Concen: 107.834 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014829.D
 Acq: 03 Feb 2020 11:47

Tgt Ion:180 Resp: 1494532
 Ion Ratio Lower Upper
 180 100
 182 94.3 74.7 112.1
 145 30.4 24.1 36.1





#69

Naphthalene

Concen: 135.475 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD10003

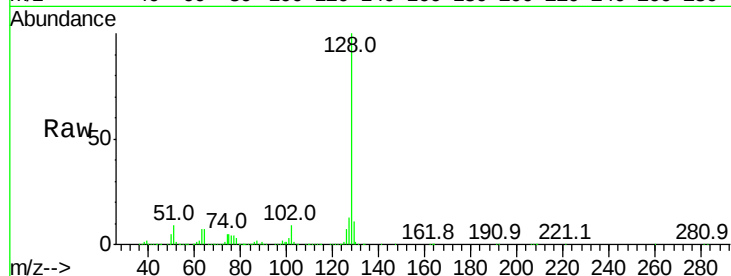
Tgt Ion:128 Resp: 3395915

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

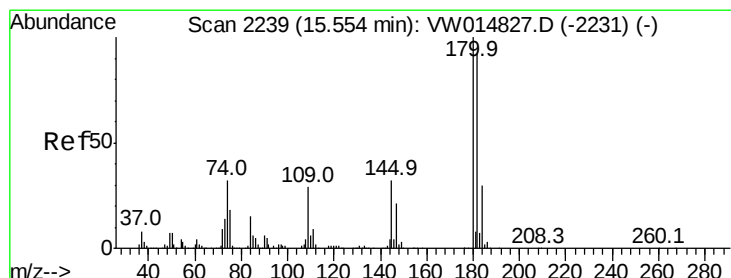
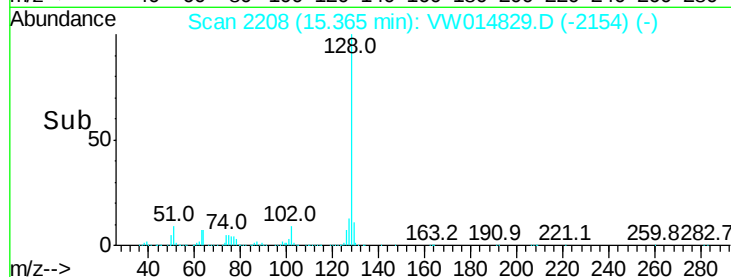
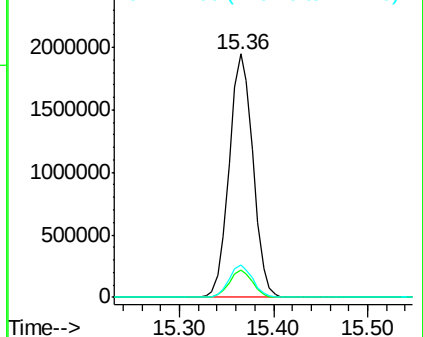
127 13.1 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 105.483 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014829.D

Acq: 03 Feb 2020 11:47

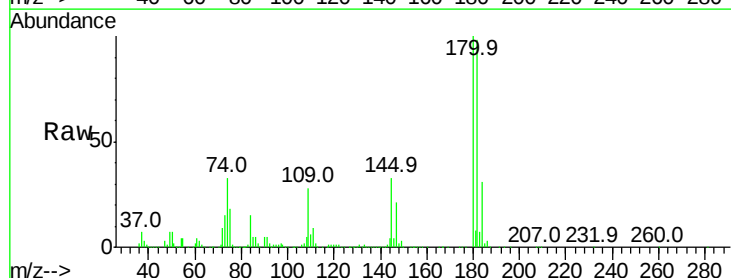
Tgt Ion:180 Resp: 1340404

Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 32.5 25.7 38.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

