

Data File : VW012931.D
Acq On : 12 Sep 2019 12:41
Operator : SY/VA
Sample : VSTD10003
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

Quant Time: Sep 12 13:05:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091219S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 12 12:18:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	403847	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	352636	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	175398	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	386014	67.88	ug/L	0.00
7) Chloroethane-d5	2.88	69	323771	79.05	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	951074	72.95	ug/L	0.00
20) 2-Butanone-d5	7.07	46	297359	116.13	ug/L	0.00
24) Chloroform-d	7.65	84	947963	85.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	495832	75.54	ug/L	0.00
29) Benzene-d6	8.27	84	1716854	77.42	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	569687	79.58	ug/L	0.00
37) Toluene-d8	10.32	98	1653847	84.03	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	257860	82.19	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	226344	135.37	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	422899	71.14	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	617762	91.40	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	388280	85.788	ug/L	95
3) Chloromethane	2.21	50	457756	77.754	ug/L	98
5) Vinyl chloride	2.36	62	566884	75.471	ug/L	99
6) Bromomethane	2.77	94	333035	94.048	ug/L	99
8) Chloroethane	2.92	64	341146	86.841	ug/L	99
9) Trichlorofluoromethane	3.26	101	396003	103.495	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	481824	83.060	ug/L	99
12) 1,1-Dichloroethene	4.04	96	492917	84.982	ug/L	92
13) Acetone	4.12	43	261935	95.515	ug/L	97
14) Carbon disulfide	4.38	76	1528946	80.934	ug/L	99
15) Methyl Acetate	4.67	43	243038	54.204	ug/L	100
16) Methylene chloride	4.92	84	493371	78.285	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	810119	83.871	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	525739	87.730	ug/L	98
19) 1,1-Dichloroethane	6.21	63	978350	81.724	ug/L	100
21) 2-Butanone	7.17	43	349916	101.770	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	556327	88.735	ug/L	98
23) Bromochloromethane	7.51	128	232041	86.986	ug/L	98
25) Chloroform	7.67	83	953600	86.423	ug/L	99
27) 1,2-Dichloroethane	8.40	62	649042	79.458	ug/L	99
30) Cyclohexane	7.95	56	986955	80.516	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	799809	93.083	ug/L	99
32) Carbon tetrachloride	8.07	117	776935	96.114	ug/L	99
34) Benzene	8.32	78	2110254	85.395	ug/L	100
35) Trichloroethene	9.09	95	565958	90.214	ug/L	99
36) Methylcyclohexane	9.34	83	997514	87.648	ug/L	98
40) 1,2-Dichloropropane	9.37	63	528765	80.161	ug/L	99
41) Bromodichloromethane	9.64	83	696135	89.433	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	890426	90.248	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	715718	119.754	ug/L	100

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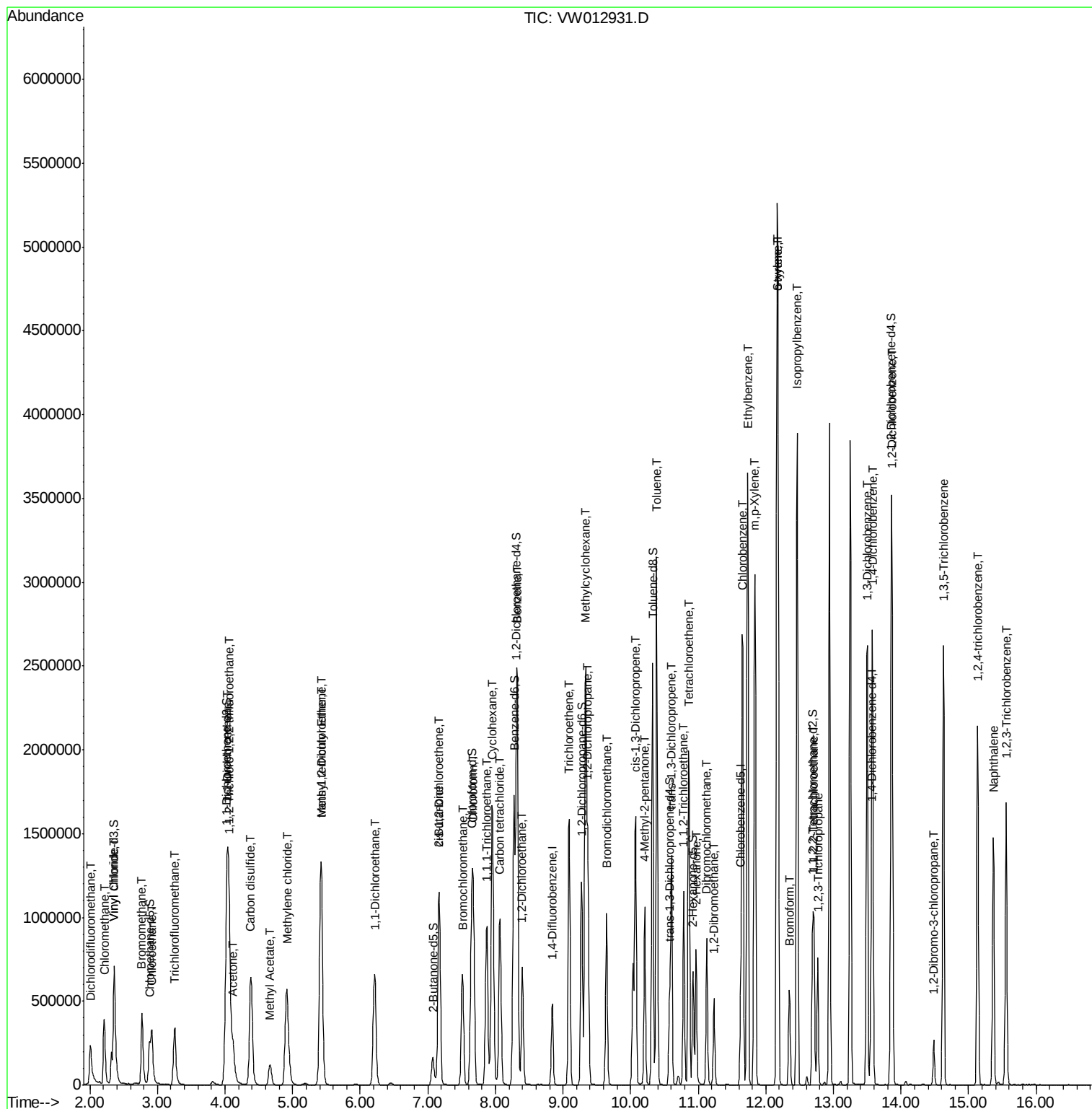
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	2281168	90.860	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	716532	87.287	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	356869	79.352	ug/L	99
47) Tetrachloroethene	10.86	164	475481	99.227	ug/L	97
49) 2-Hexanone	10.97	43	509920	110.742	ug/L	100
50) Dibromochloromethane	11.13	129	461969	93.195	ug/L	98
51) 1,2-Dibromoethane	11.23	107	350062	79.992	ug/L	96
52) Chlorobenzene	11.66	112	1403430	92.653	ug/L	98
53) Ethylbenzene	11.73	91	2597779	92.783	ug/L	99
54) m,p-Xylene	11.84	106	964358	94.722	ug/L	98
55) o-xylene	12.16	106	906742	94.635	ug/L	100
56) Styrene	12.18	104	1555327	95.480	ug/L	100
57) Isopropylbenzene	12.46	105	2505324	95.045	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	405663	67.877	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	310103	67.275	ug/L	99
62) Bromoform	12.35	173	262860	83.766	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	1105456	92.860	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1076887	90.080	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	964975	89.517	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	70516	63.204	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	847810	96.759	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	714034	101.186	ug/L	97
69) Naphthalene	15.36	128	1244671	87.588	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	619132	94.732	ug/L	100

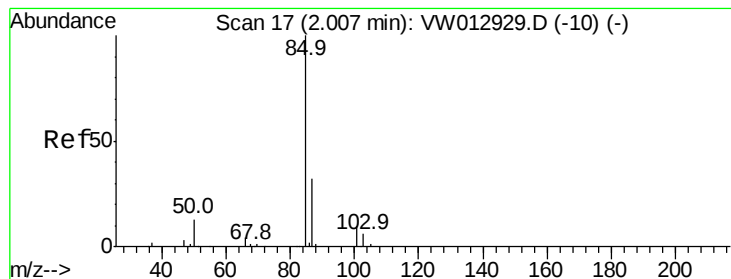
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#2

Dichlorodifluoromethane

Concen: 85.788 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

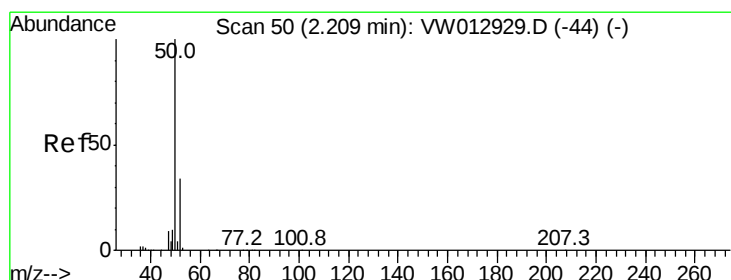
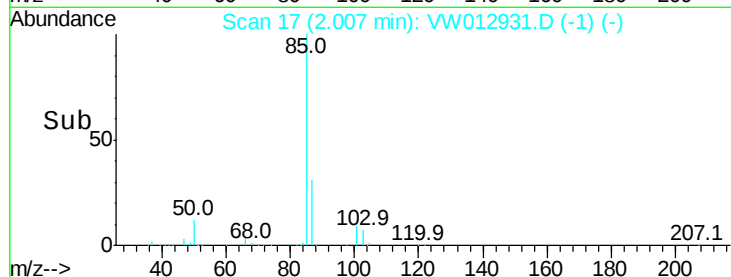
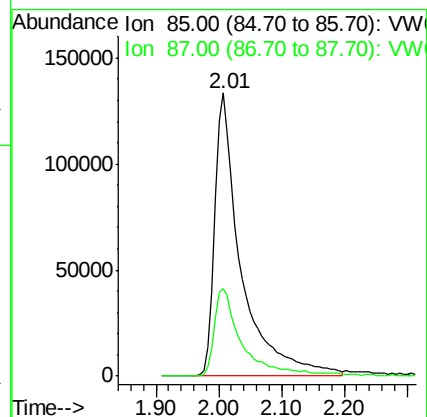
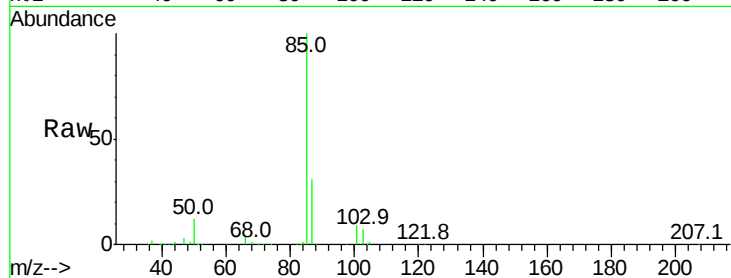
VSTD10005

Tgt Ion: 85 Resp: 388280

Ion Ratio Lower Upper

85 100

87 31.1 20.1 37.3



#3

Chloromethane

Concen: 77.754 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012931.D

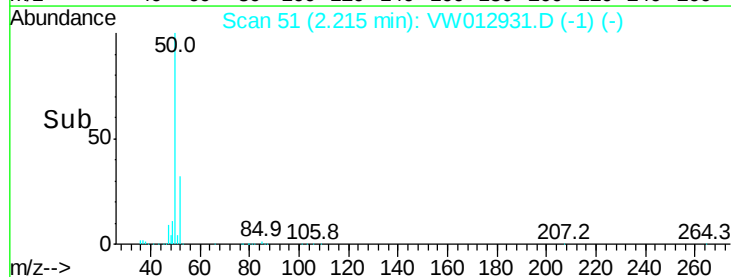
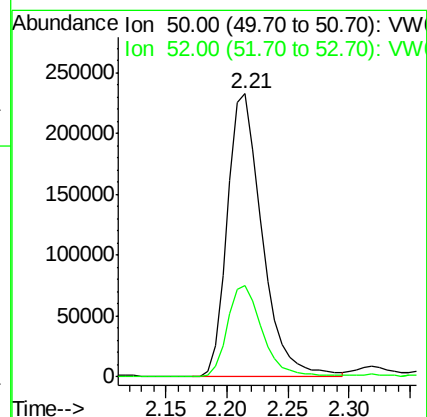
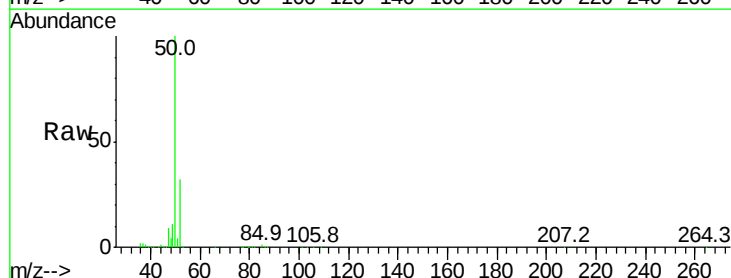
Acq: 12 Sep 2019 12:41

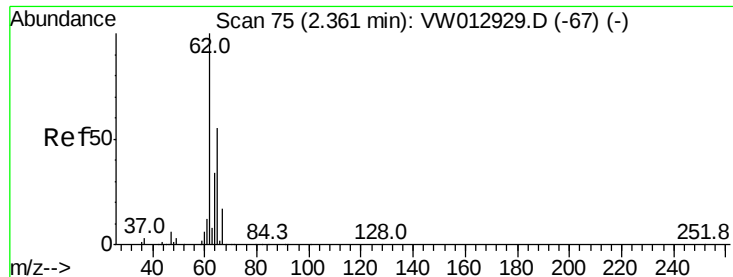
Tgt Ion: 50 Resp: 457756

Ion Ratio Lower Upper

50 100

52 32.4 23.5 43.7





#5

Vinyl chloride

Concen: 75.471 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

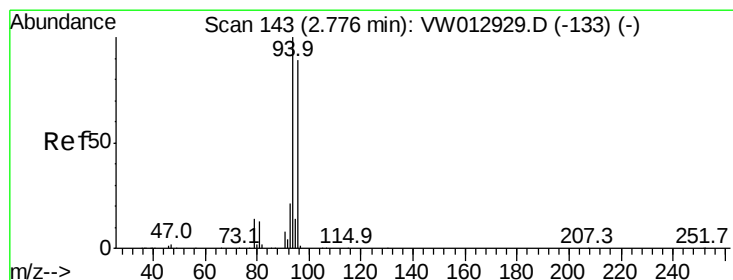
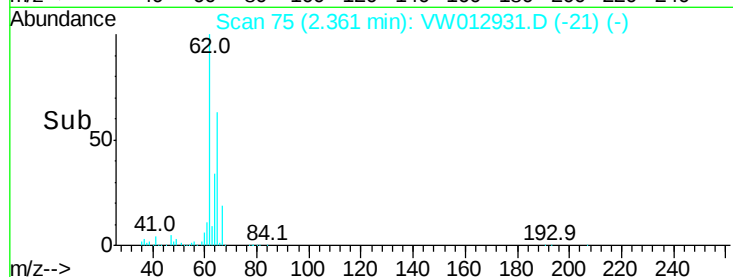
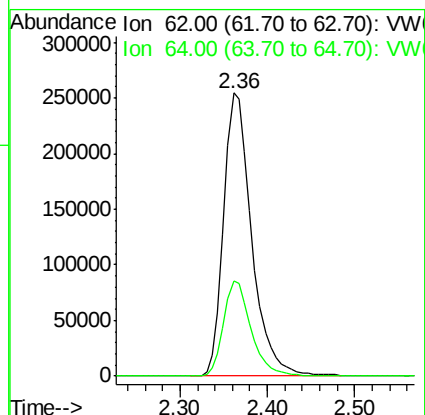
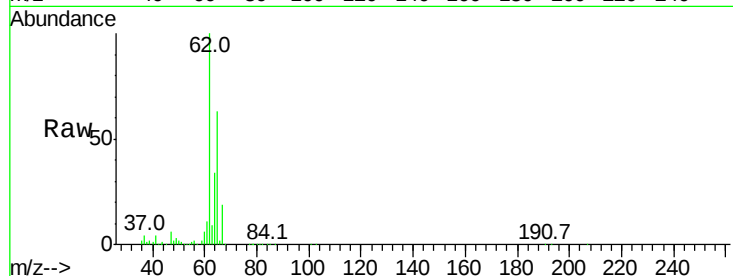
VSTD10005

Tgt Ion: 62 Resp: 566884

Ion Ratio Lower Upper

62 100

64 33.6 23.7 44.1



#6

Bromomethane

Concen: 94.048 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW012931.D

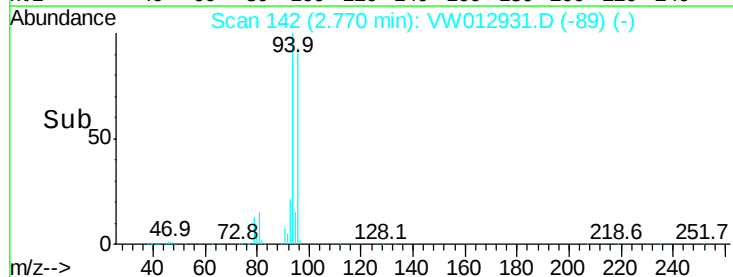
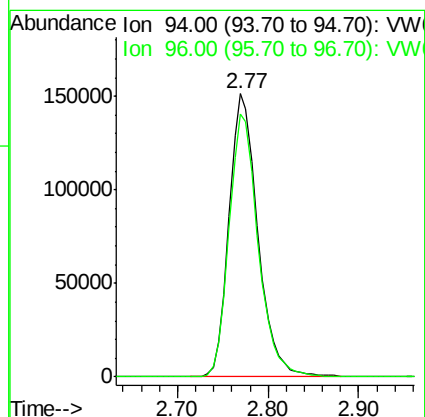
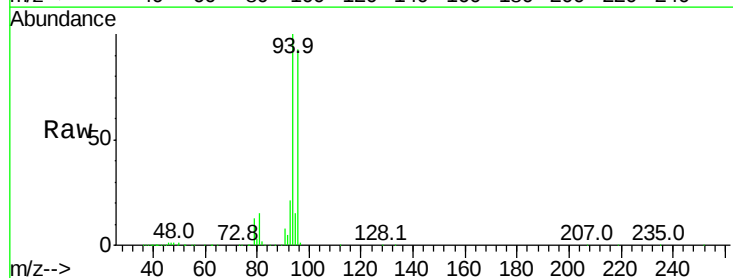
Acq: 12 Sep 2019 12:41

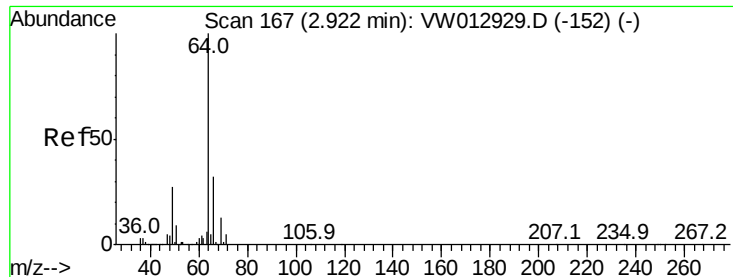
Tgt Ion: 94 Resp: 333035

Ion Ratio Lower Upper

94 100

96 94.3 9.3 176.9





#8

Chloroethane

Concen: 86.841 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

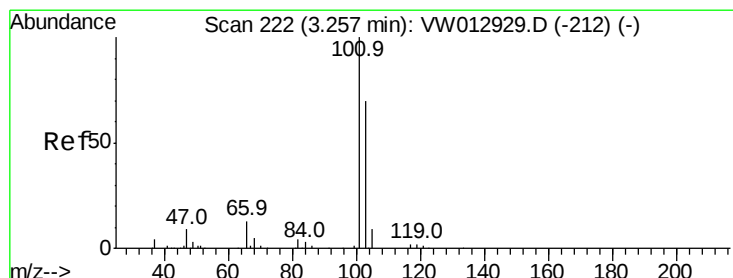
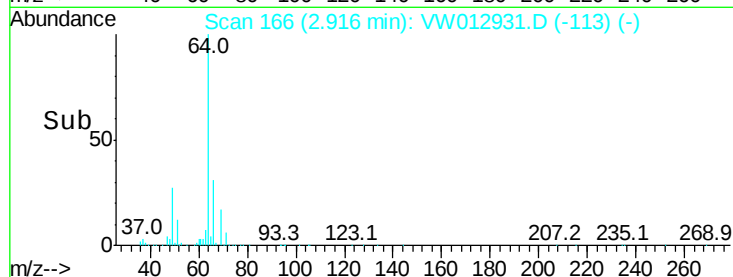
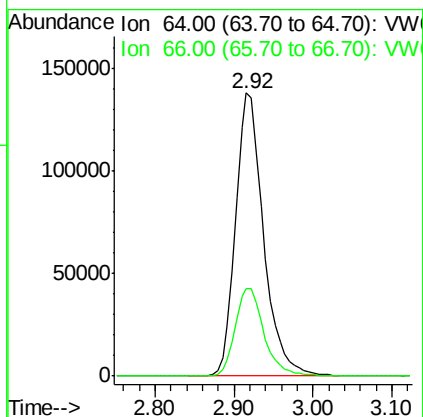
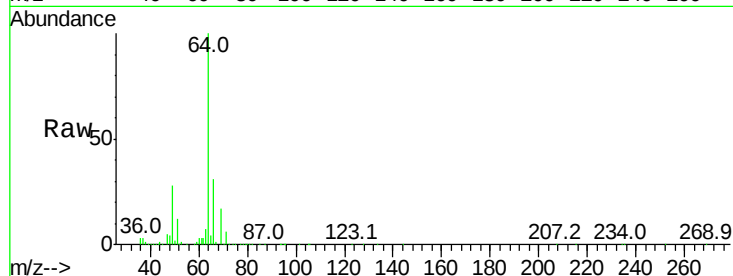
VSTD10005

Tgt Ion: 64 Resp: 341146

Ion Ratio Lower Upper

64 100

66 31.1 22.1 41.1



#9

Trichlorofluoromethane

Concen: 103.495 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW012931.D

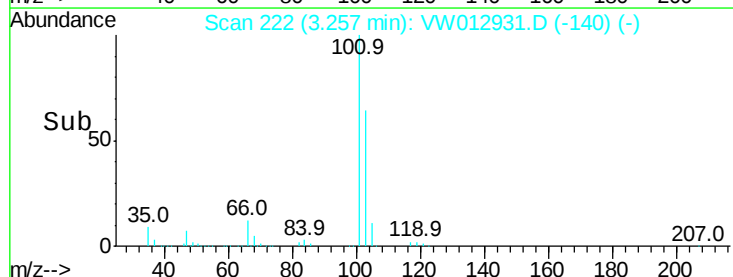
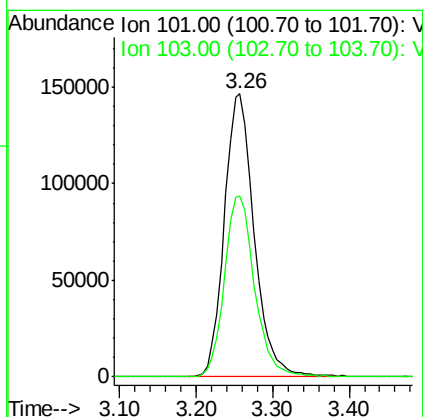
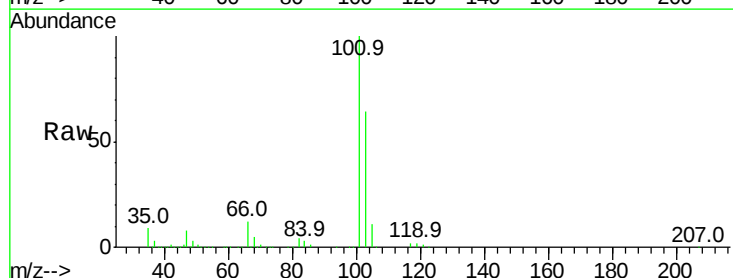
Acq: 12 Sep 2019 12:41

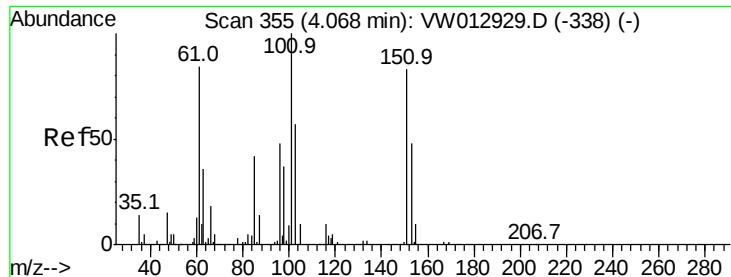
Tgt Ion: 101 Resp: 396003

Ion Ratio Lower Upper

101 100

103 64.5 45.9 85.3





#11

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

Concen: 83.060 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_W

ClientSampled :

VSTD10005

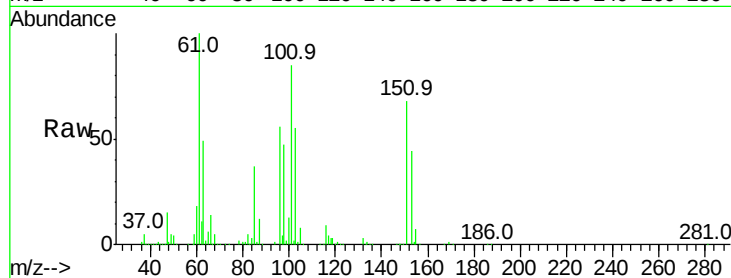
Tgt Ion:101 Resp: 481824

Ion Ratio Lower Upper

101 100

85 43.8 34.6 52.0

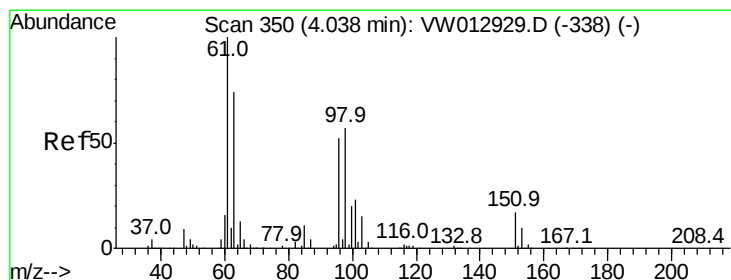
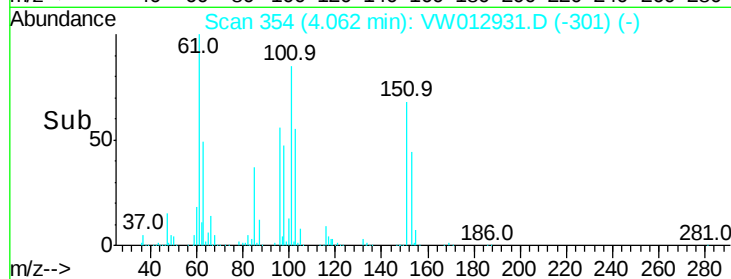
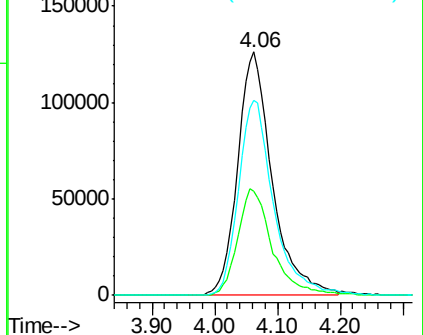
151 81.7 64.8 97.2



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: 84.982 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

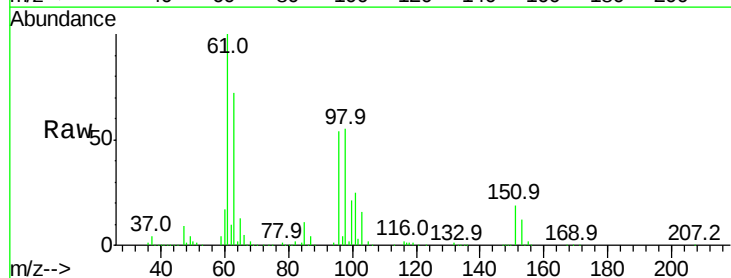
Tgt Ion: 96 Resp: 492917

Ion Ratio Lower Upper

96 100

61 183.8 135.3 251.3

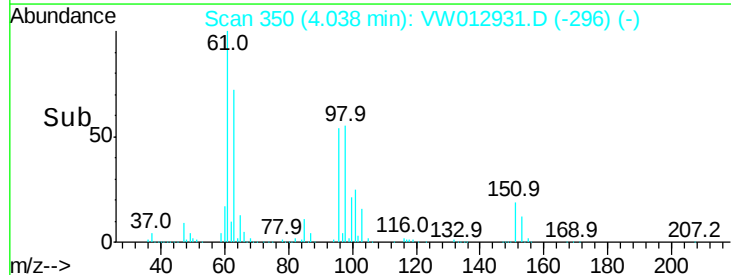
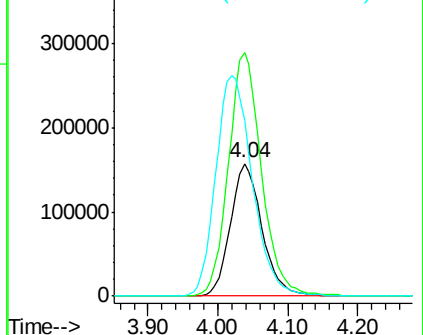
63 132.7 102.0 189.4

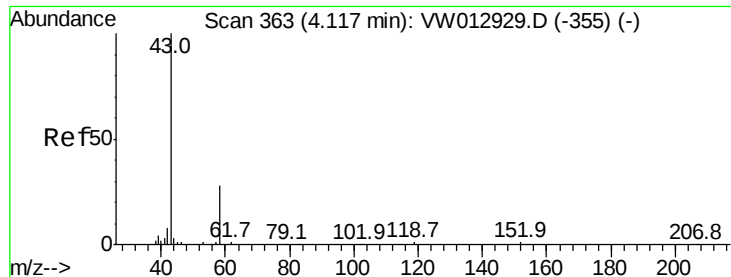


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 95.515 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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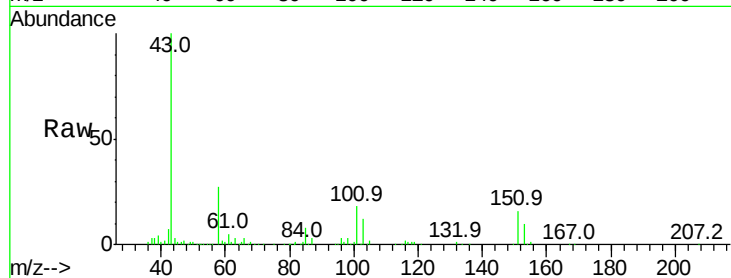
VSTD10005

Tgt Ion: 43 Resp: 261935

Ion Ratio Lower Upper

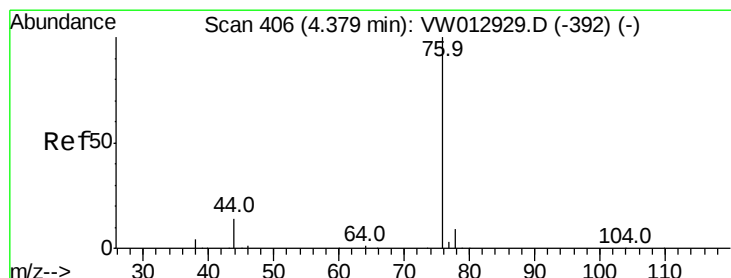
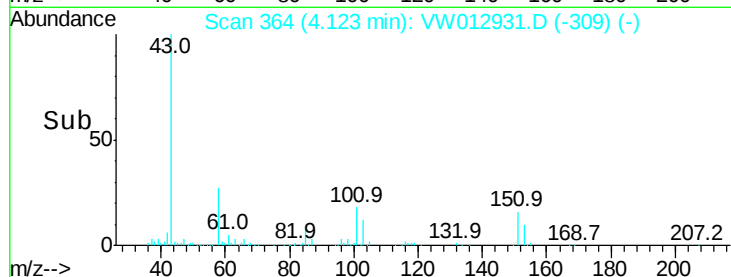
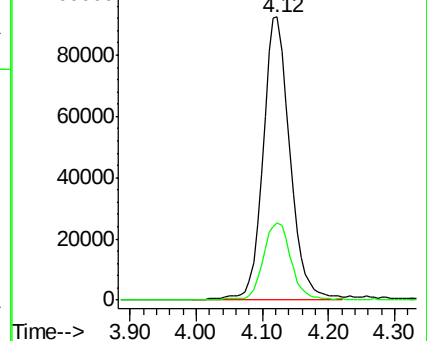
43 100

58 27.9 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 80.934 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW012931.D

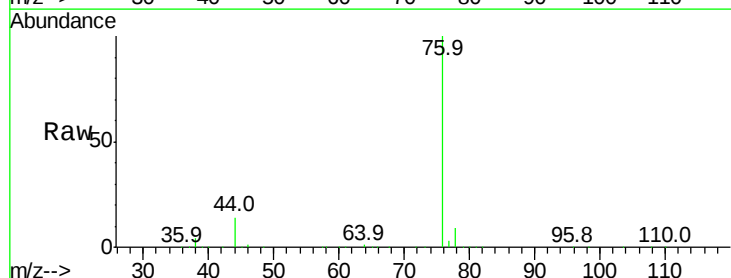
Acq: 12 Sep 2019 12:41

Tgt Ion: 76 Resp: 1528946

Ion Ratio Lower Upper

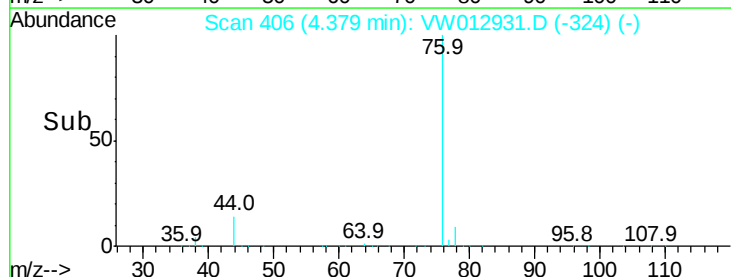
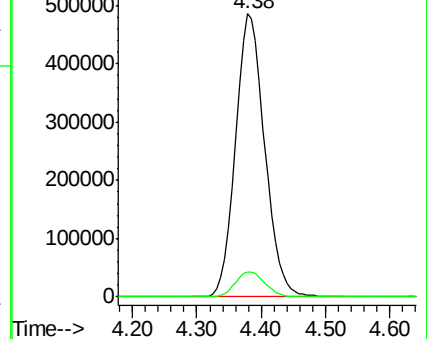
76 100

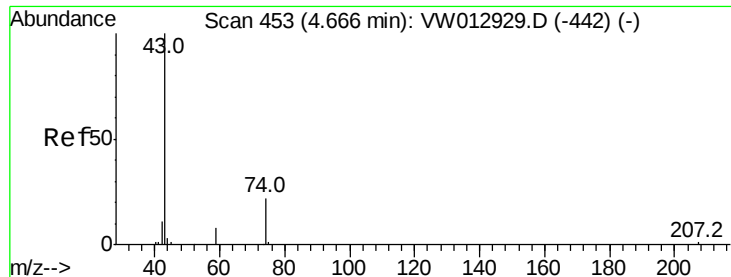
78 8.9 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

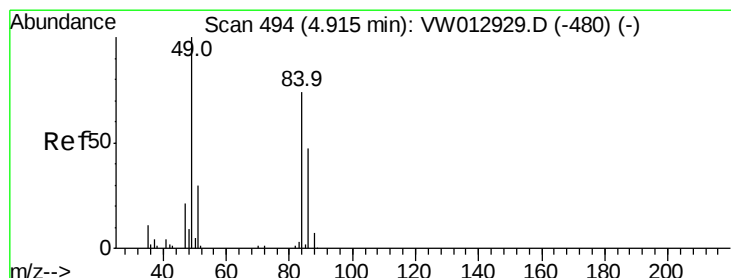
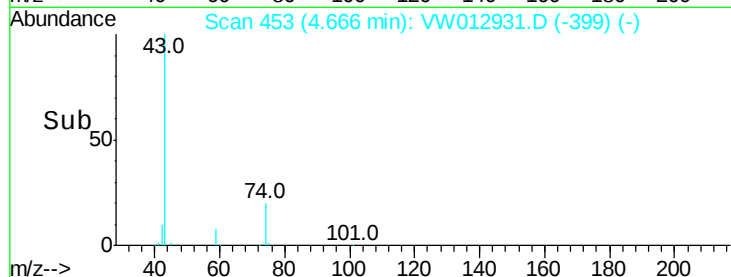
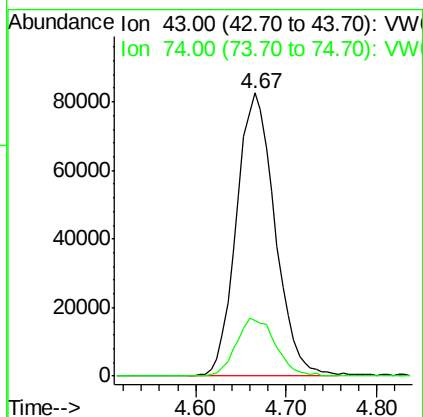
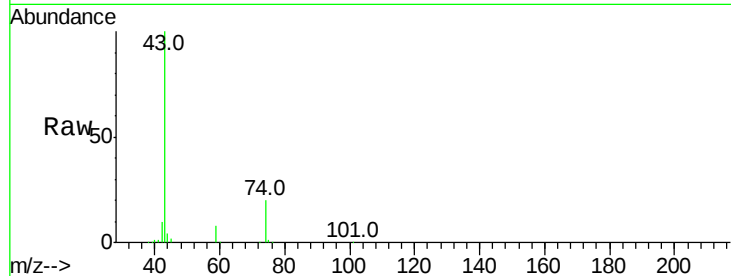




#15
Methyl Acetate
Concen: 54.204 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW012931.D
Acq: 12 Sep 2019 12:41

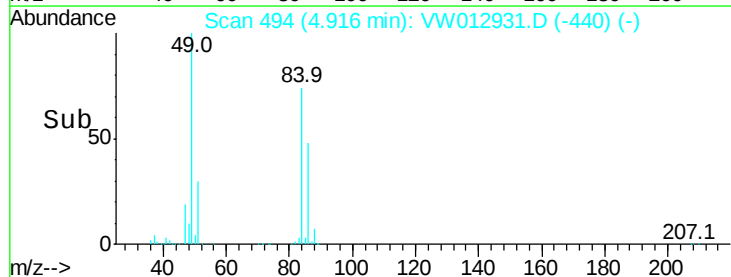
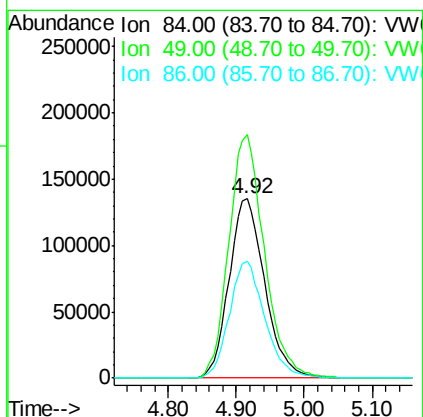
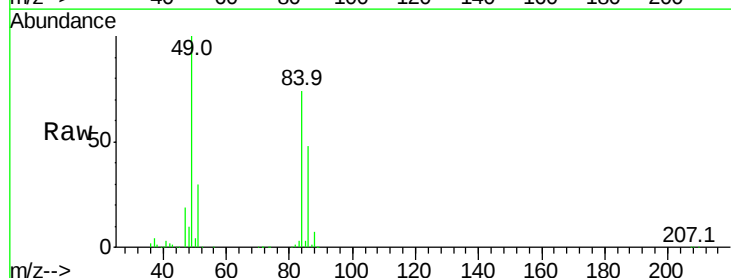
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

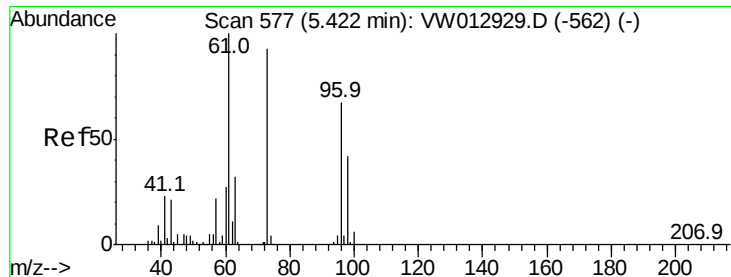
Tgt Ion: 43 Resp: 243038
Ion Ratio Lower Upper
43 100
74 20.9 16.6 25.0



#16
Methylene chloride
Concen: 78.285 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW012931.D
Acq: 12 Sep 2019 12:41

Tgt Ion: 84 Resp: 493371
Ion Ratio Lower Upper
84 100
49 135.8 94.7 175.9
86 65.2 44.4 82.4

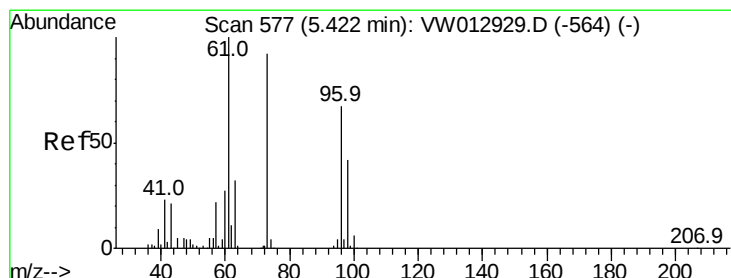
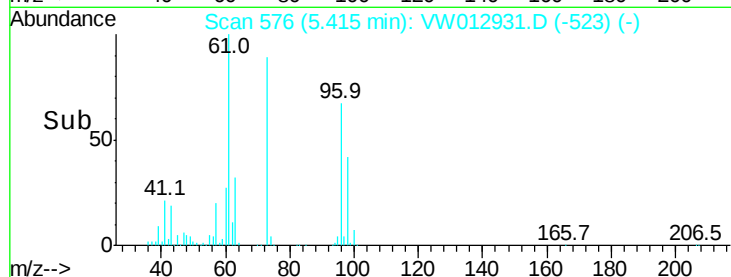
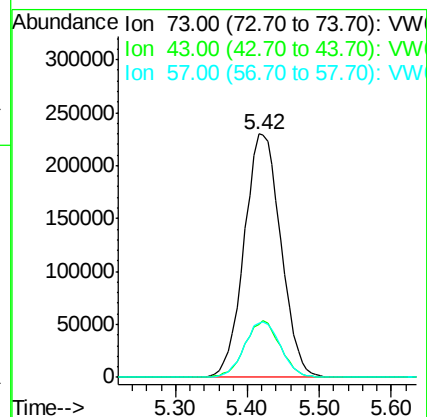
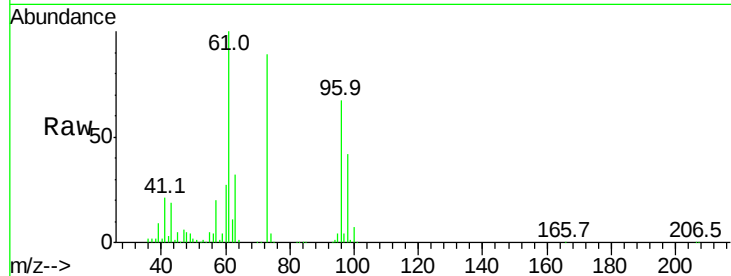




#17
Methyl tert-butyl Ether
Concen: 83.871 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012931.D
Acq: 12 Sep 2019 12:41

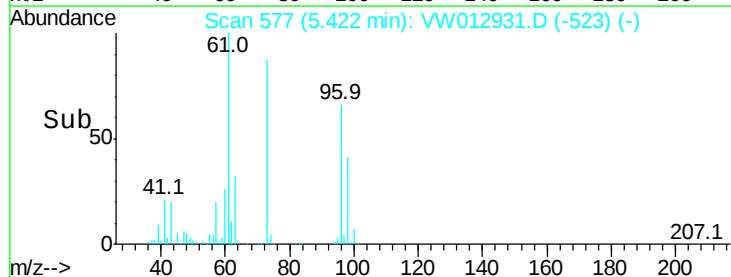
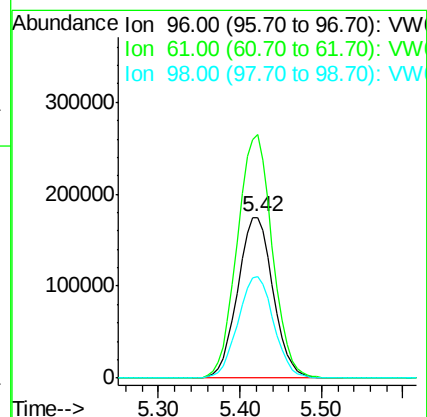
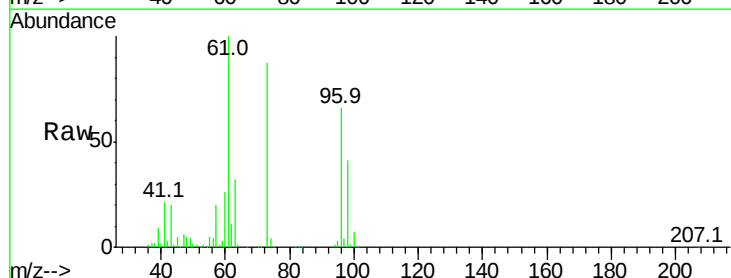
Instrument :
MSVOA_W
ClientSampled :
VSTD10005

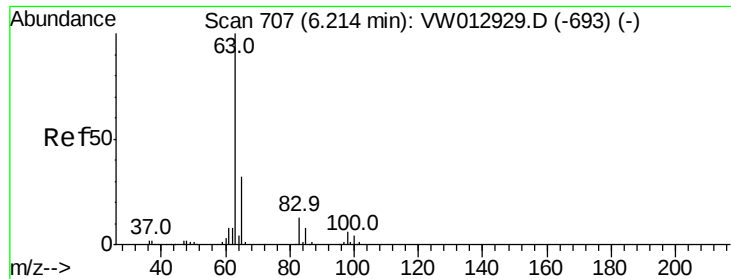
Tgt Ion: 73 Resp: 810119
Ion Ratio Lower Upper
73 100
43 22.4 18.0 27.0
57 22.6 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 87.730 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW012931.D
Acq: 12 Sep 2019 12:41

Tgt Ion: 96 Resp: 525739
Ion Ratio Lower Upper
96 100
61 151.4 104.0 193.1
98 62.8 44.0 81.8

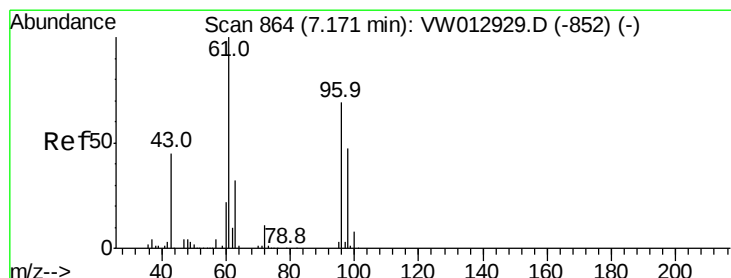
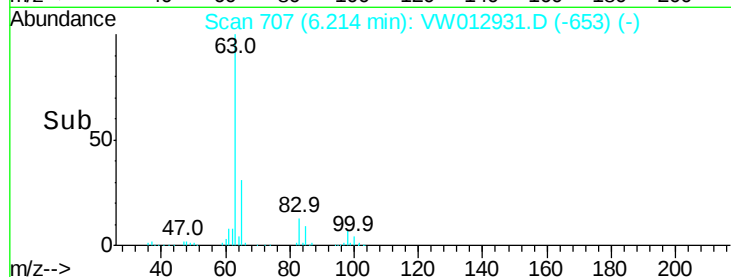
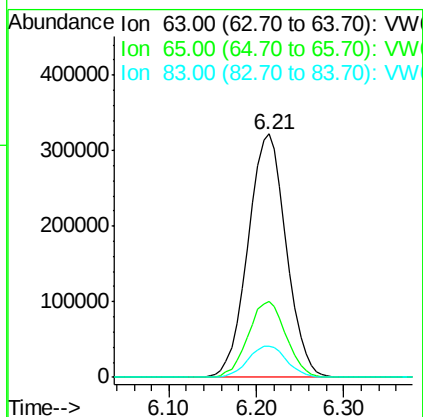
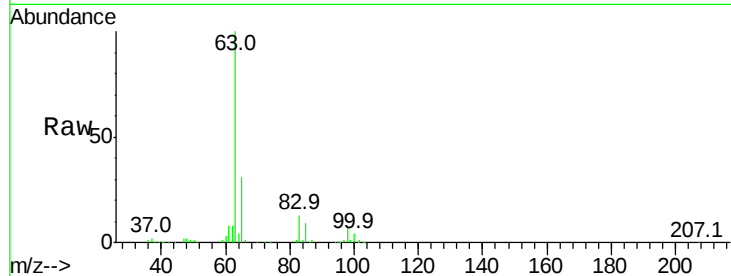




#19
 1,1-Dichloroethane
 Concen: 81.724 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW012931.D
 Acq: 12 Sep 2019 12:41

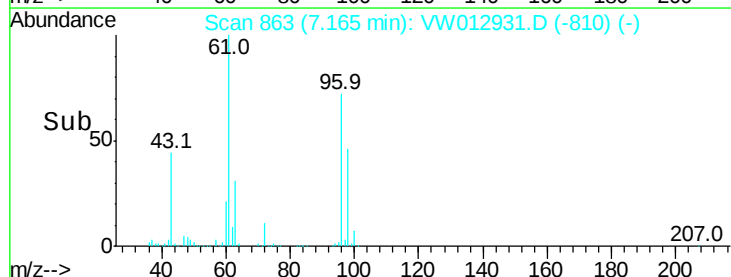
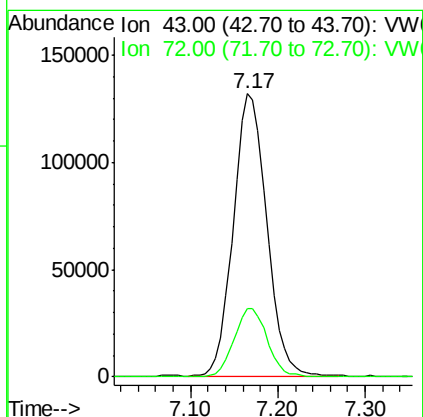
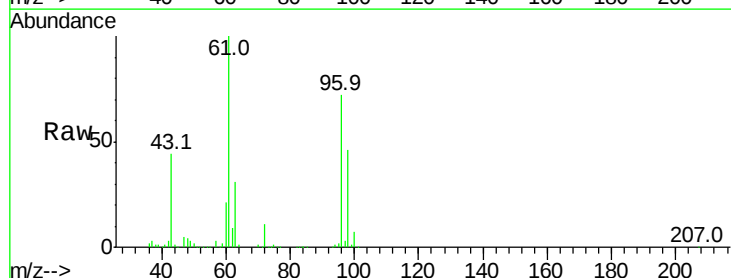
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

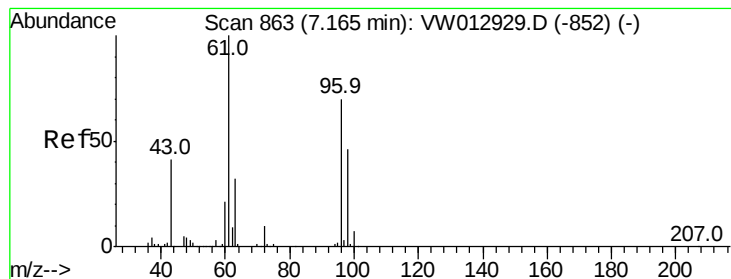
Tgt Ion: 63 Resp: 978350
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.0 41.0
 83 12.9 8.9 16.5



#21
 2-Butanone
 Concen: 101.770 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012931.D
 Acq: 12 Sep 2019 12:41

Tgt Ion: 43 Resp: 349916
 Ion Ratio Lower Upper
 43 100
 72 24.1 12.7 38.1





#22

cis-1,2-Dichloroethene

Concen: 88.735 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

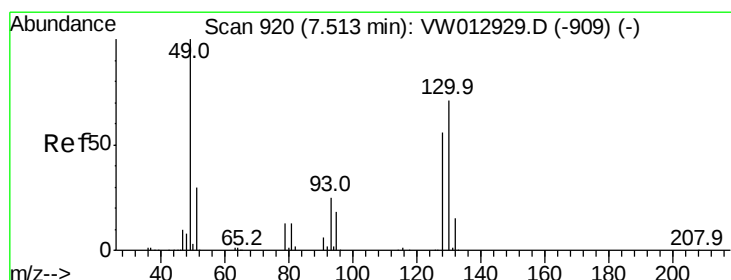
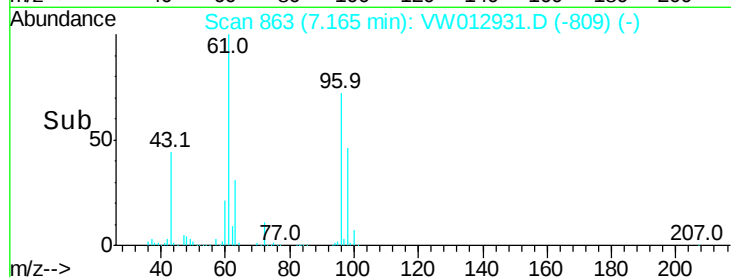
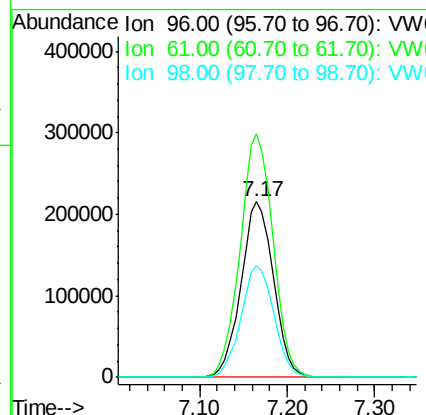
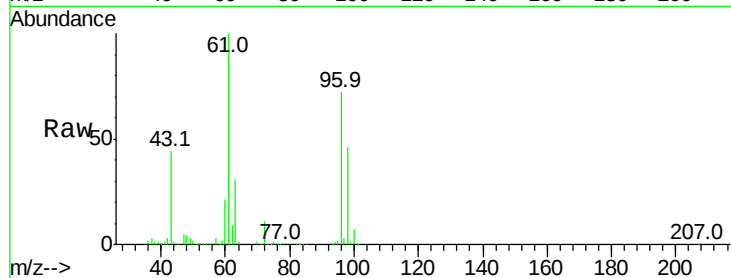
Tgt Ion: 96 Resp: 556327

Ion Ratio Lower Upper

96 100

61 138.8 99.5 184.7

98 63.8 45.6 84.6



#23

Bromochloromethane

Concen: 86.986 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Tgt Ion: 128 Resp: 232041

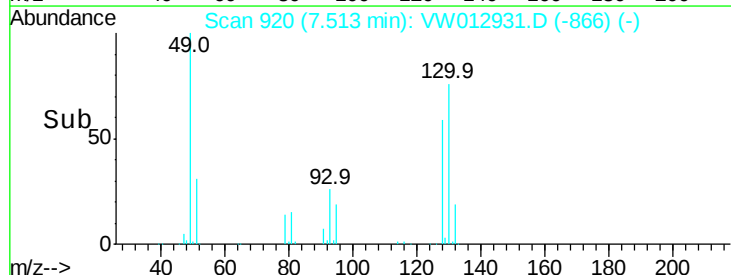
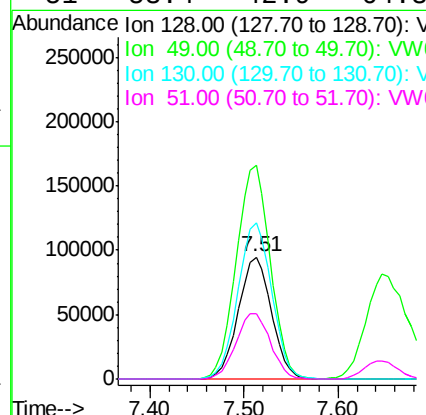
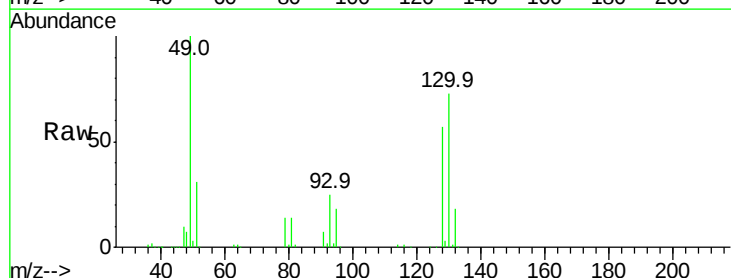
Ion Ratio Lower Upper

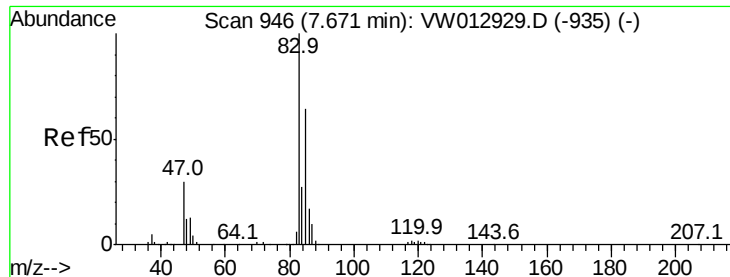
128 100

49 175.0 125.7 233.5

130 128.3 89.0 165.4

51 53.4 42.9 64.3





#25

Chloroform

Concen: 86.423 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

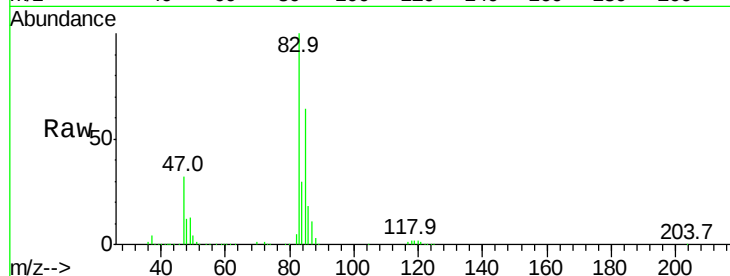
VSTD10005

Tgt Ion: 83 Resp: 953600

Ion Ratio Lower Upper

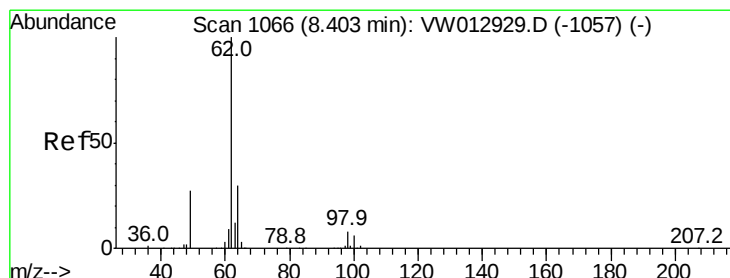
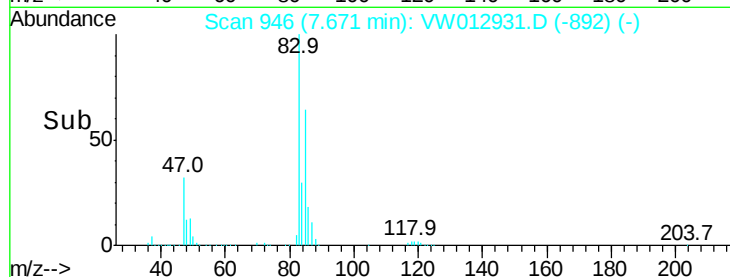
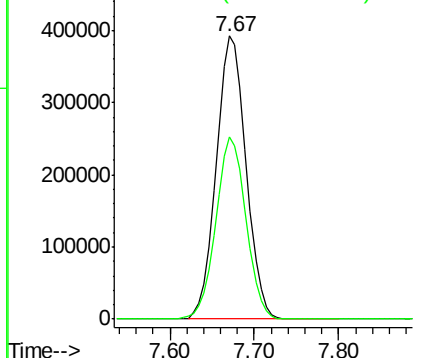
83 100

85 65.2 45.3 84.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 79.458 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW012931.D

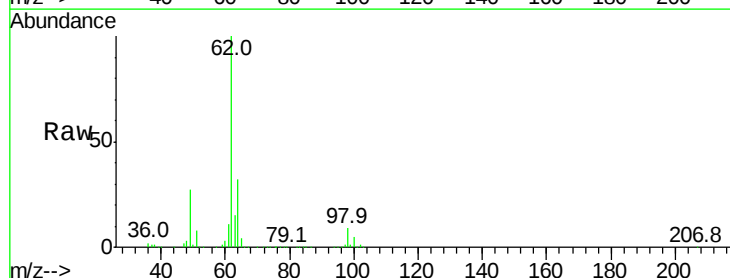
Acq: 12 Sep 2019 12:41

Tgt Ion: 62 Resp: 649042

Ion Ratio Lower Upper

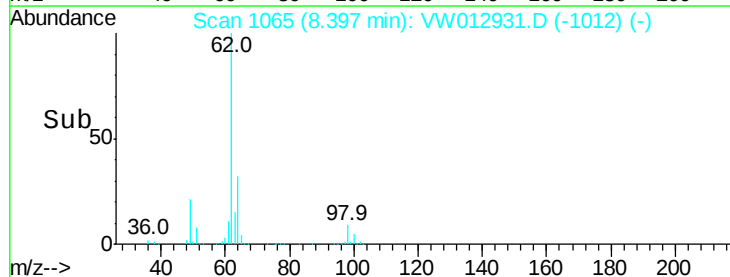
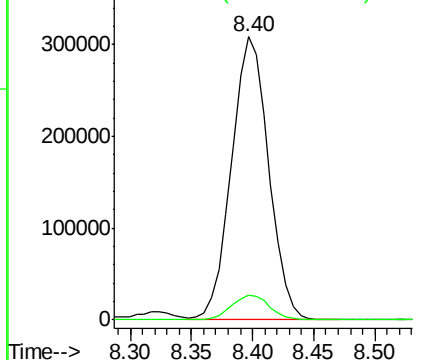
62 100

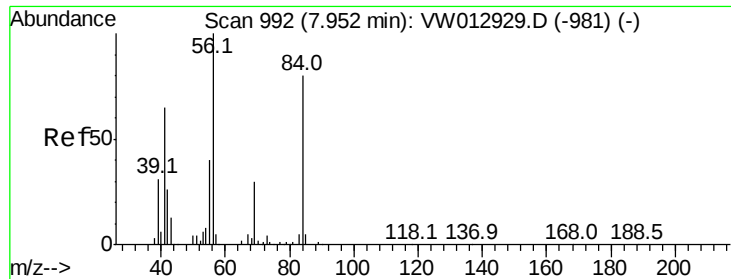
98 8.8 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

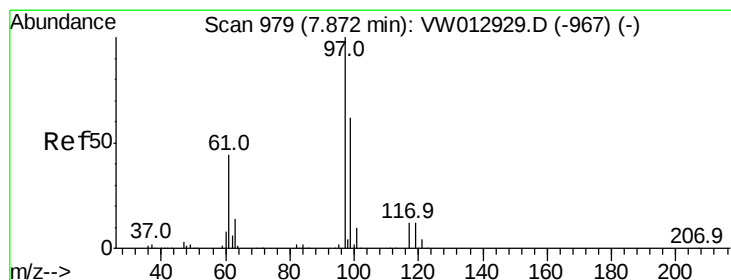
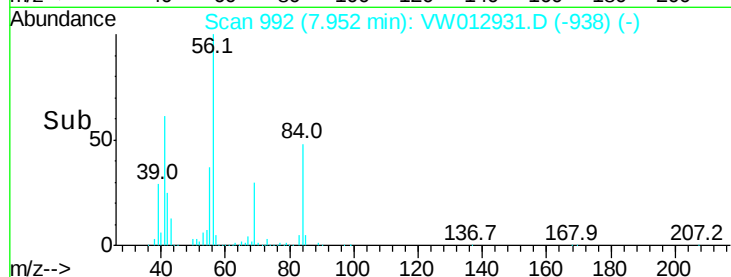
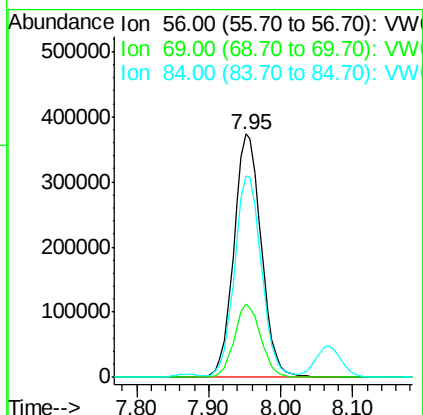
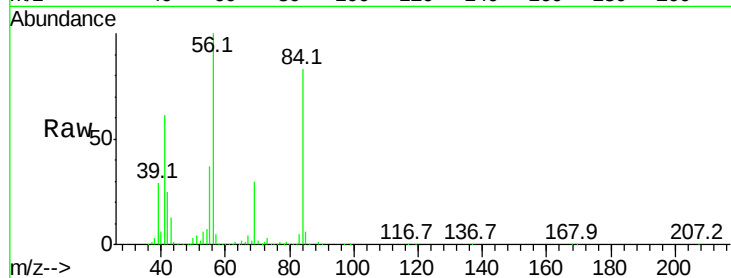




#30
Cyclohexane
Concen: 80.516 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW012931.D
Acq: 12 Sep 2019 12:41

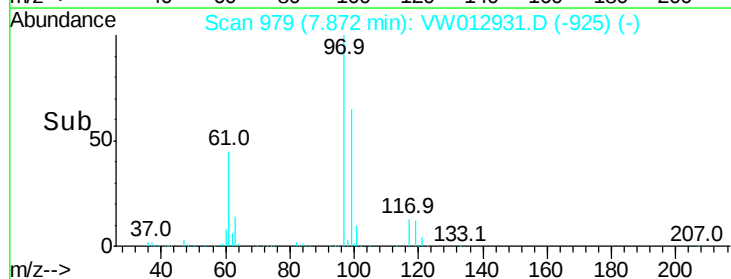
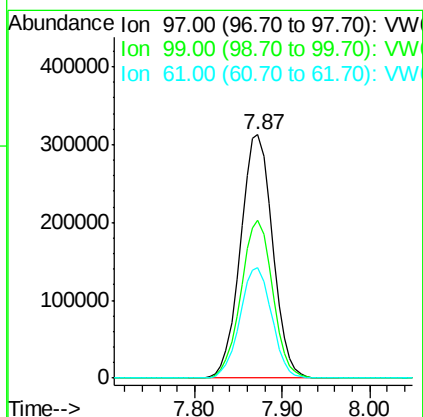
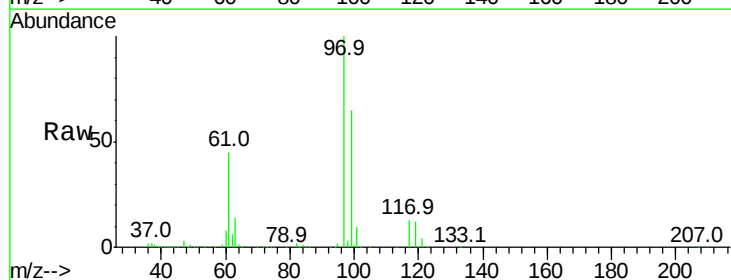
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

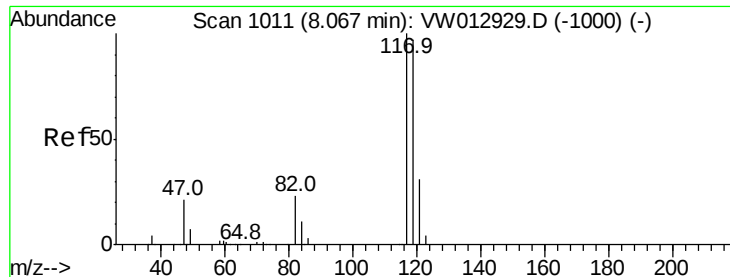
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.8	35.8
84	81.8	66.6	99.8



#31
1,1,1-Trichloroethane
Concen: 93.083 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW012931.D
Acq: 12 Sep 2019 12:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.3	75.5
61	45.0	36.3	54.5





#32

Carbon tetrachloride

Concen: 96.114 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

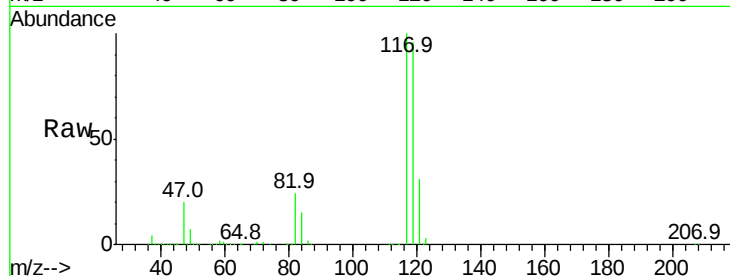
VSTD10005

Tgt Ion:117 Resp: 776935

Ion Ratio Lower Upper

117 100

119 95.2 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

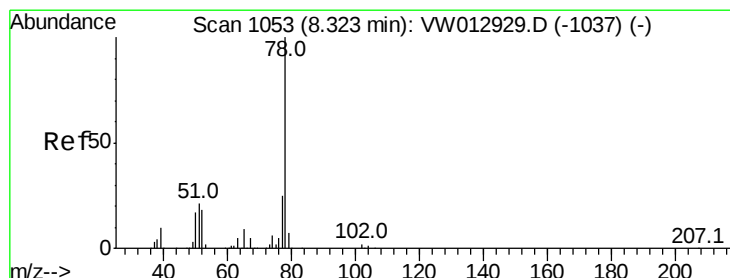
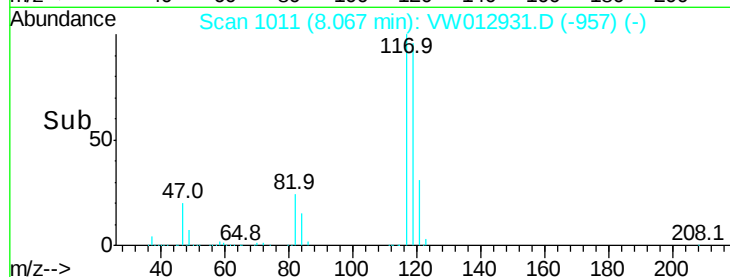
300000

200000

100000

0

Time-->



#34

Benzene

Concen: 85.395 ug/L

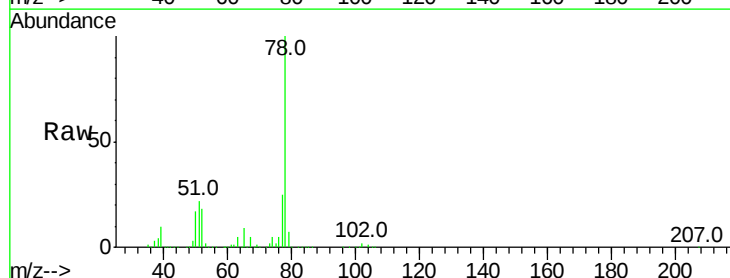
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Tgt Ion: 78 Resp: 2110254



Abundance Ion 78.00 (77.70 to 78.70): VW

1000000

800000

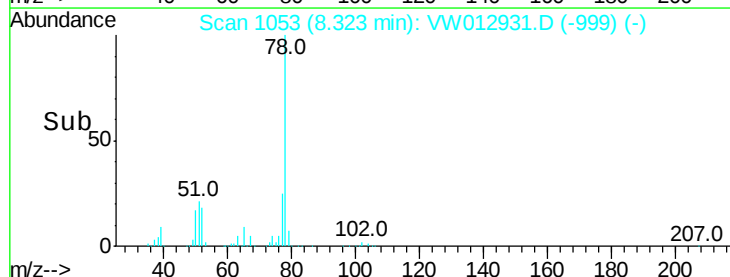
600000

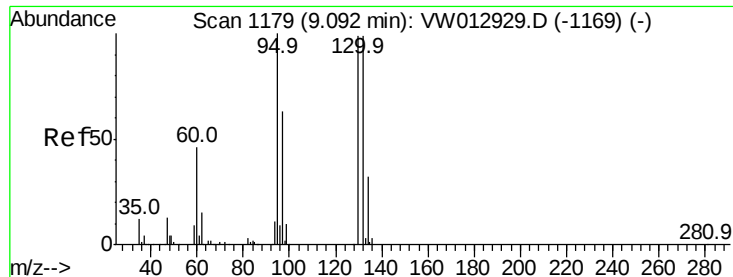
400000

200000

0

Time-->





#35

Trichloroethene

Concen: 90.214 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_W

ClientSampled :

VSTD10005

Tgt Ion: 95 Resp: 565958

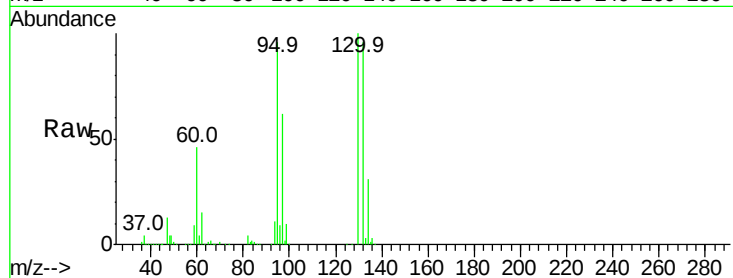
Ion Ratio Lower Upper

95 100

97 64.2 44.6 82.8

132 97.8 67.8 125.8

130 102.9 72.2 134.2

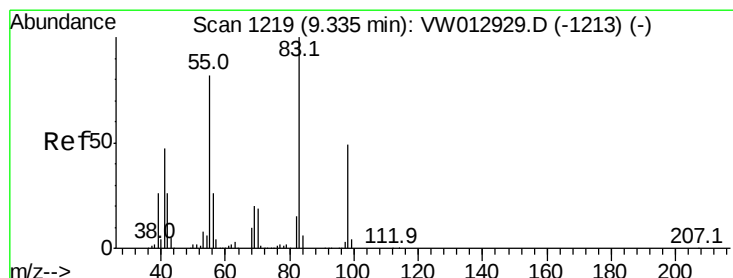
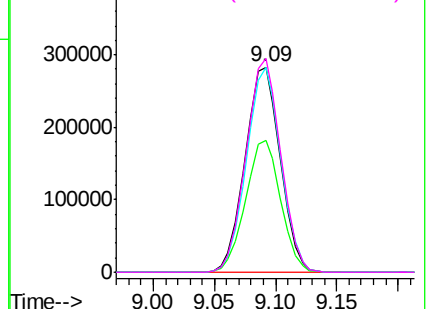
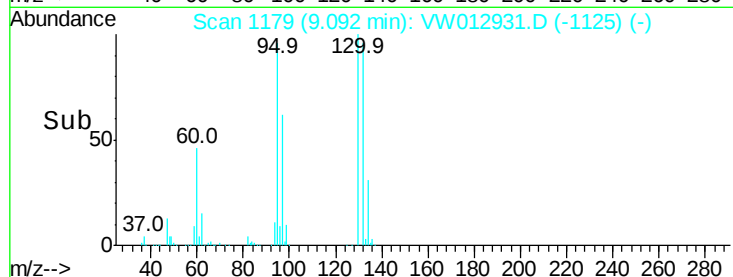


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 87.648 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

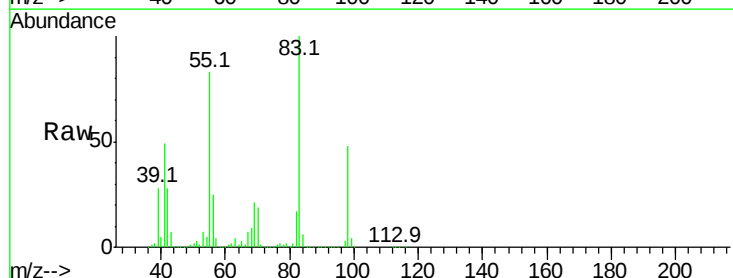
Tgt Ion: 83 Resp: 997514

Ion Ratio Lower Upper

83 100

55 83.4 68.3 102.5

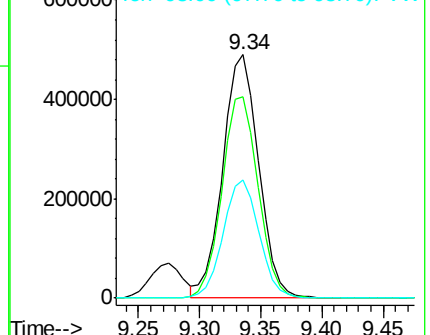
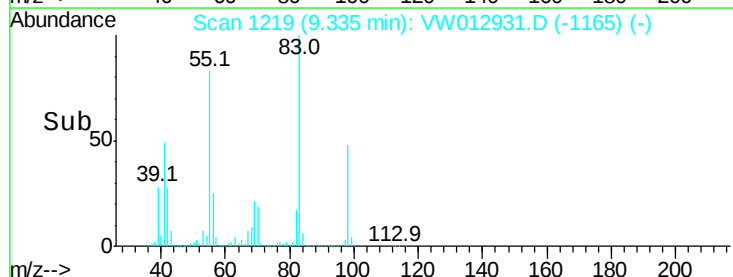
98 48.4 38.5 57.7

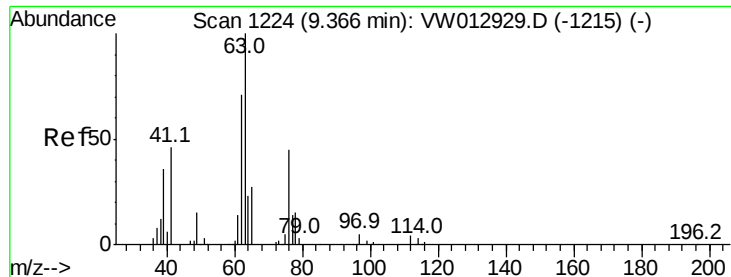


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 80.161 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

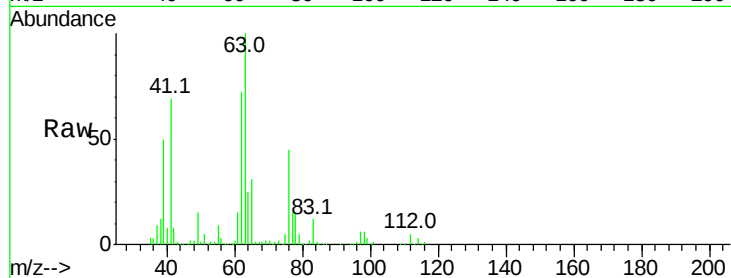
VSTD10005

Tgt Ion: 63 Resp: 528765

Ion Ratio Lower Upper

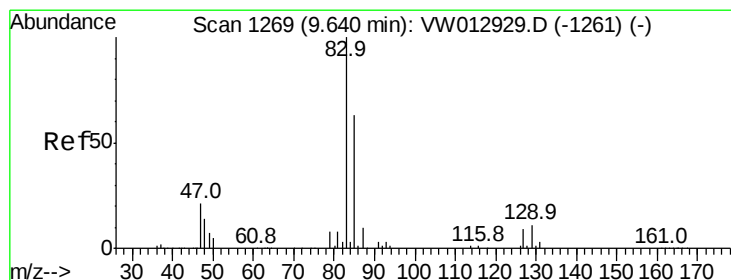
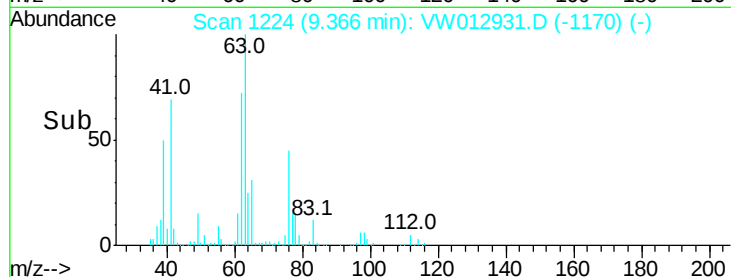
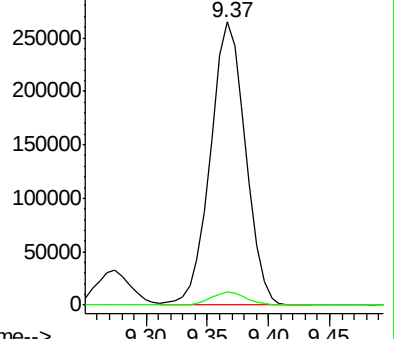
63 100

112 4.5 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 89.433 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

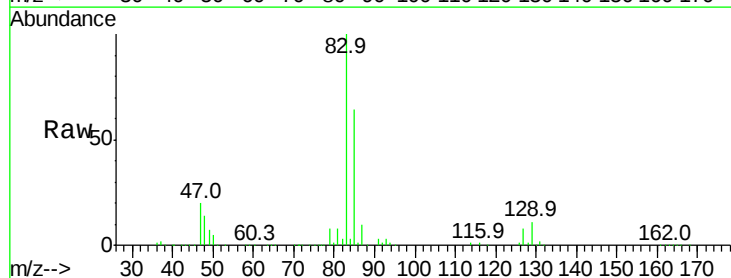
Tgt Ion: 83 Resp: 696135

Ion Ratio Lower Upper

83 100

85 63.7 44.4 82.4

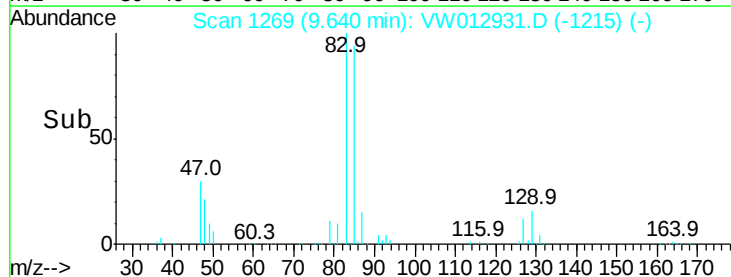
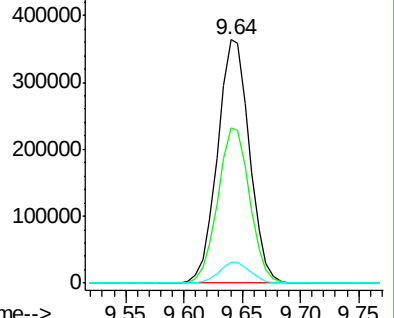
127 8.4 7.0 10.6

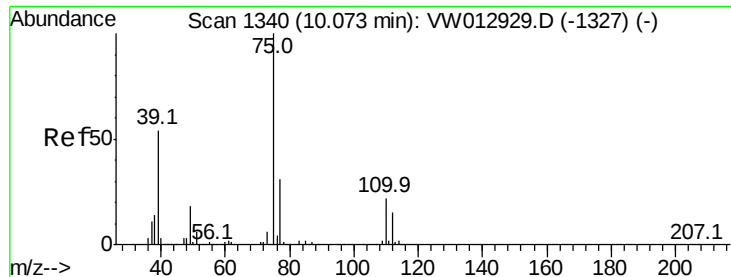


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 90.248 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_W

ClientSampled :

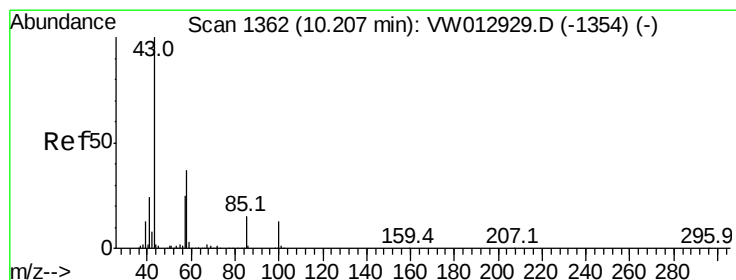
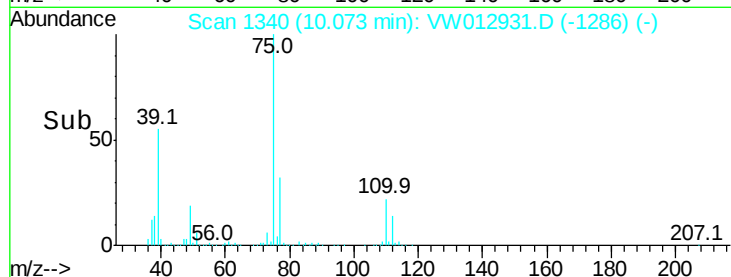
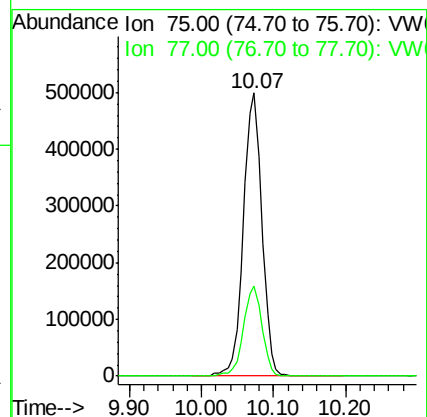
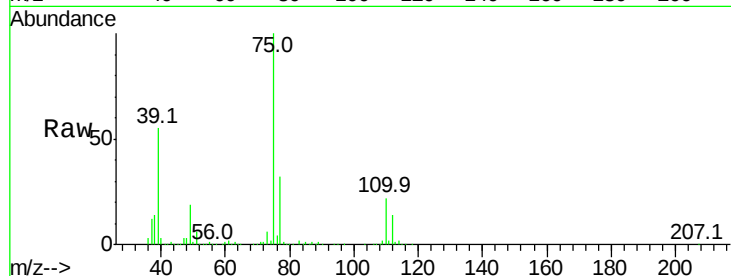
VSTD10005

Tgt Ion: 75 Resp: 890426

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.0



#43

4-Methyl-2-pentanone

Concen: 119.754 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

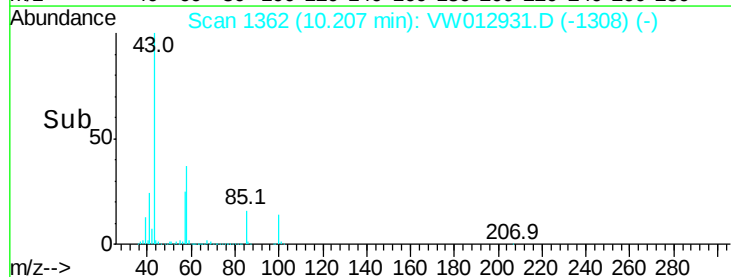
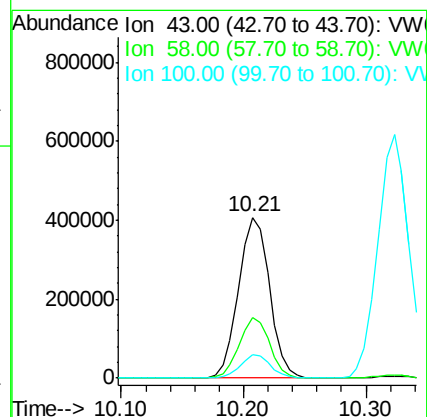
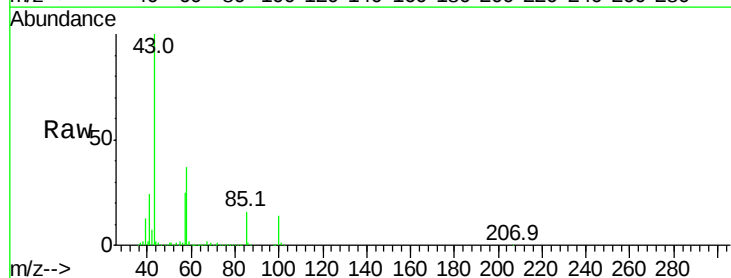
Tgt Ion: 43 Resp: 715718

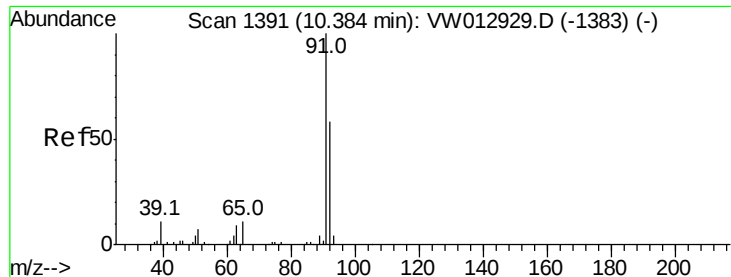
Ion Ratio Lower Upper

43 100

58 37.0 29.5 44.3

100 14.2 11.5 17.3





#44

Toluene

Concen: 90.860 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_W

ClientSampled :

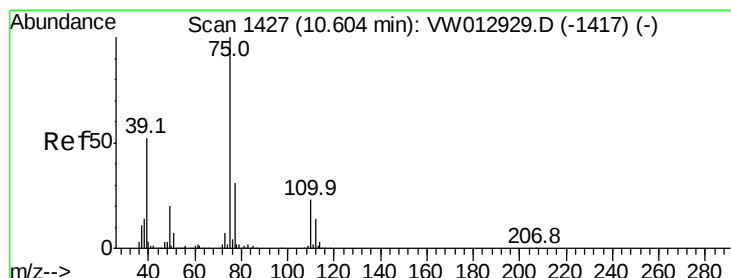
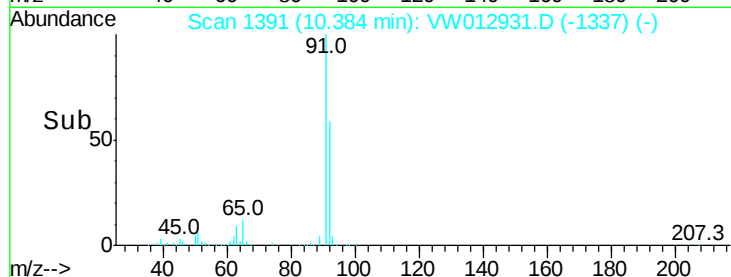
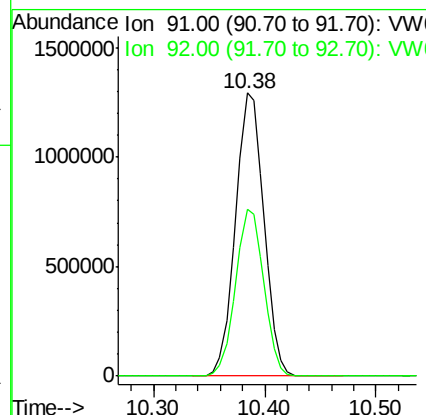
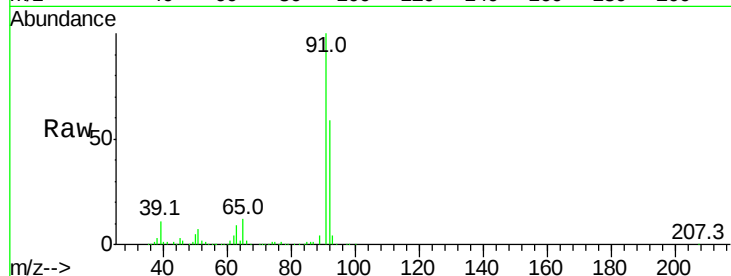
VSTD10005

Tgt Ion: 91 Resp: 2281168

Ion Ratio Lower Upper

91 100

92 58.9 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 87.287 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012931.D

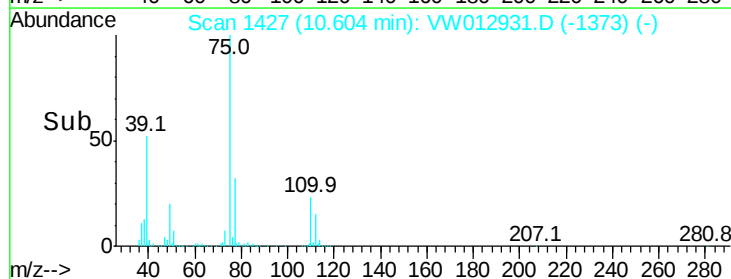
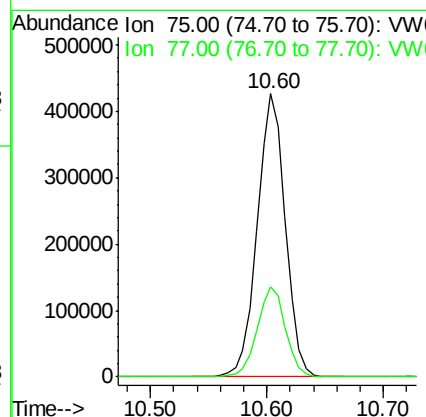
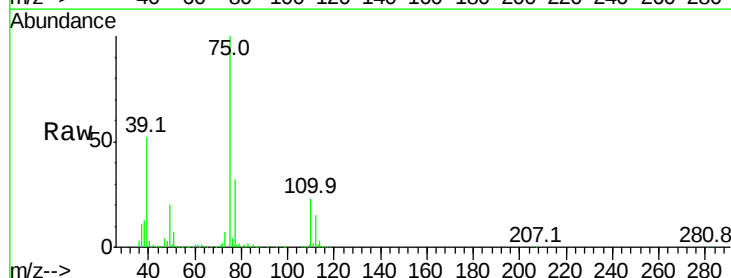
Acq: 12 Sep 2019 12:41

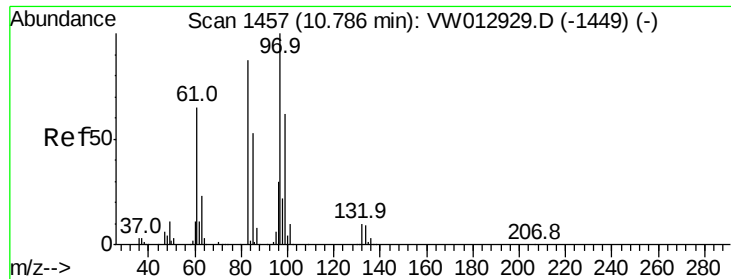
Tgt Ion: 75 Resp: 716532

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.4





#46

1,1,2-Trichloroethane

Concen: 79.352 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

Tgt Ion: 97 Resp: 356869

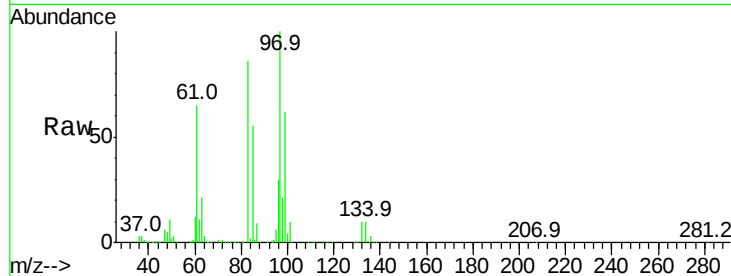
Ion Ratio Lower Upper

97 100

83 85.7 60.6 112.6

85 54.8 37.5 69.6

99 62.3 43.2 80.2



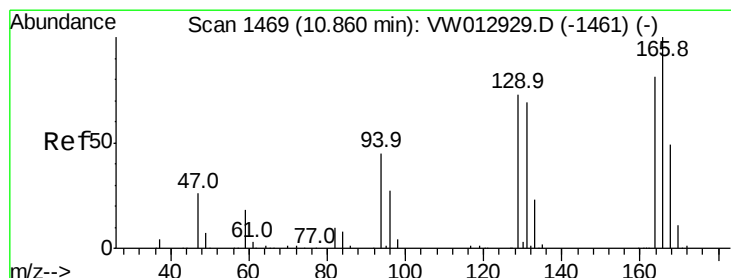
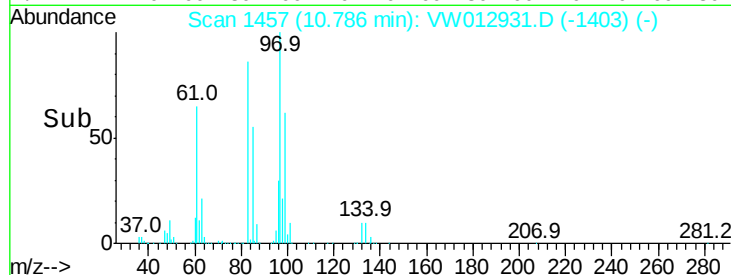
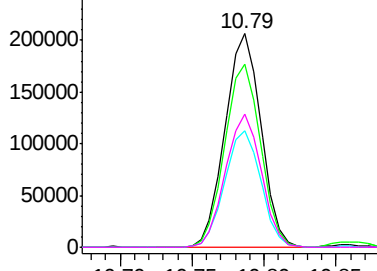
Abundance

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



#47

Tetrachloroethene

Concen: 99.227 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Tgt Ion: 164 Resp: 475481

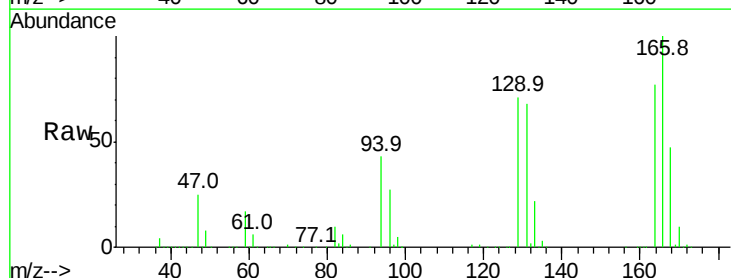
Ion Ratio Lower Upper

164 100

129 91.1 62.6 116.3

131 87.8 60.0 111.4

166 129.2 86.5 160.6



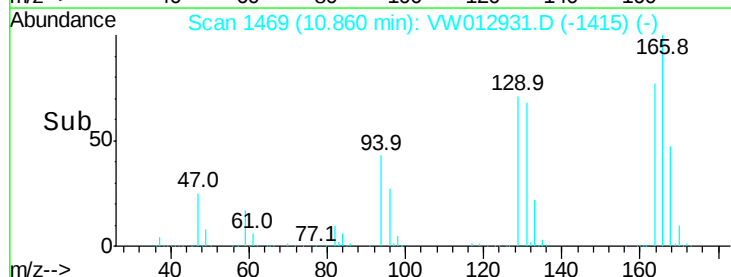
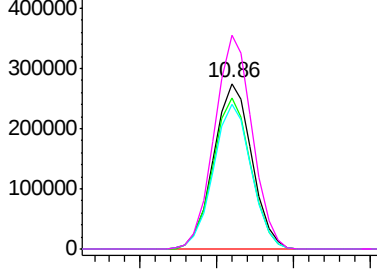
Abundance

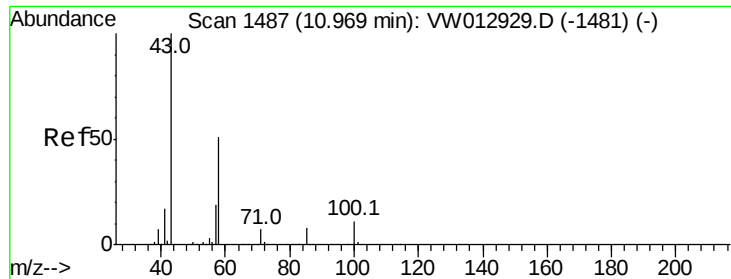
Ion 164.00 (163.70 to 164.70): V

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





#49

2-Hexanone

Concen: 110.742 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

Tgt Ion: 43 Resp: 509920

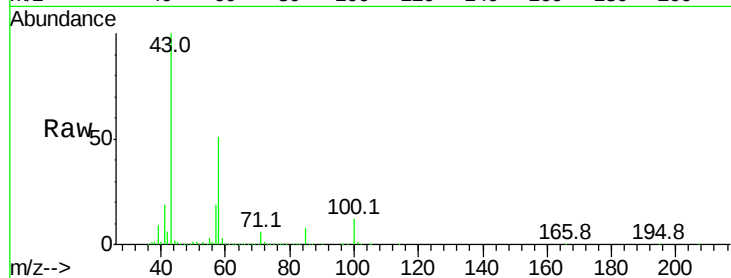
Ion Ratio Lower Upper

43 100

58 53.1 42.4 63.6

57 19.3 15.0 22.6

100 11.7 9.0 13.6

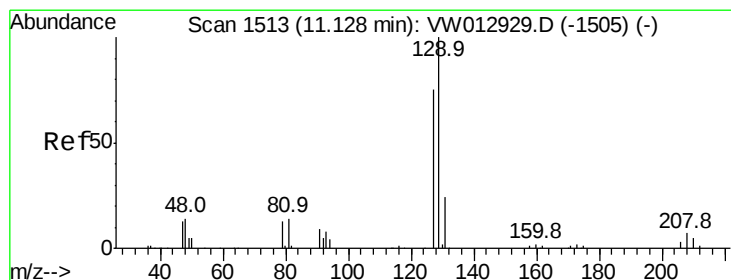
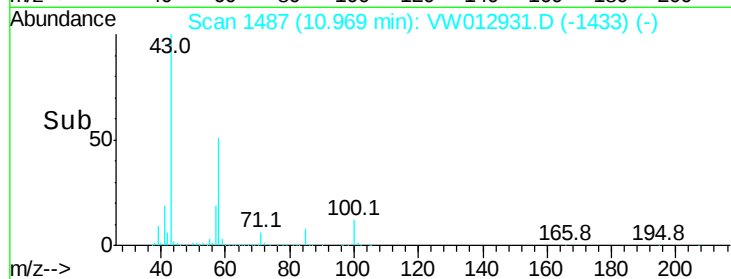
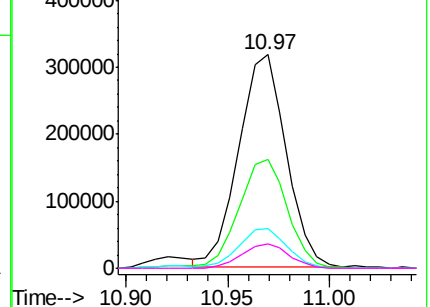


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 93.195 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW012931.D

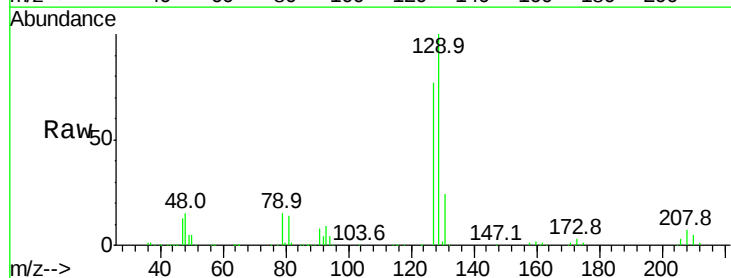
Acq: 12 Sep 2019 12:41

Tgt Ion: 129 Resp: 461969

Ion Ratio Lower Upper

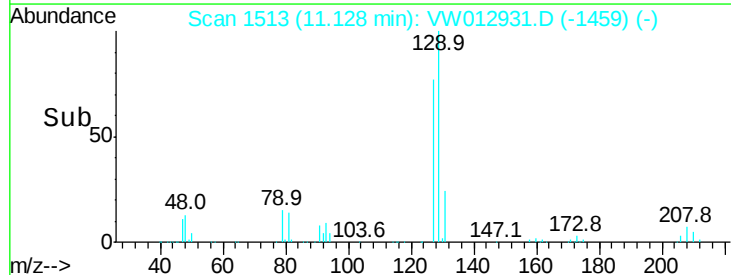
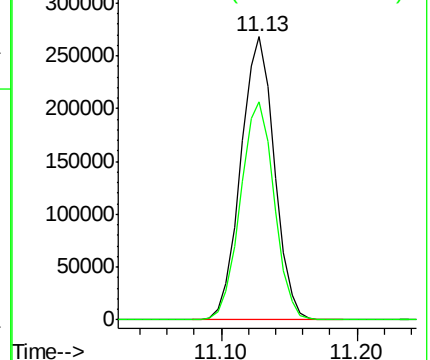
129 100

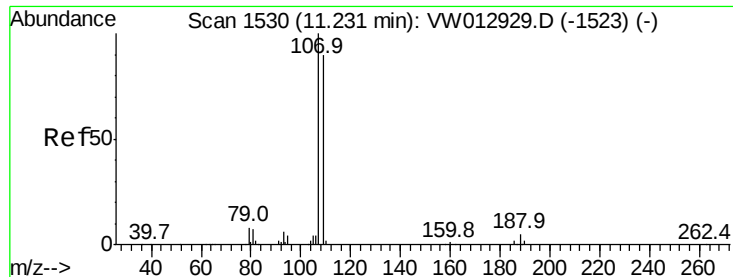
127 77.1 52.7 97.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

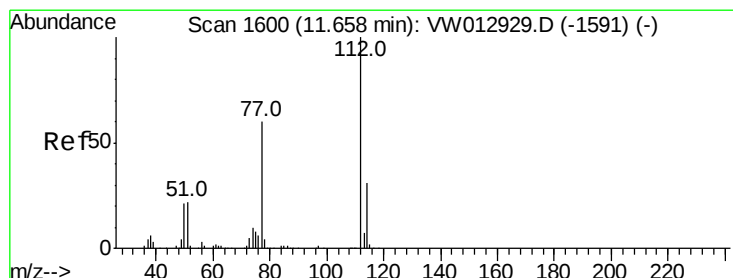
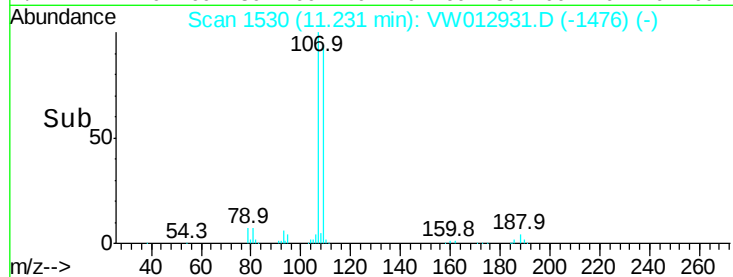
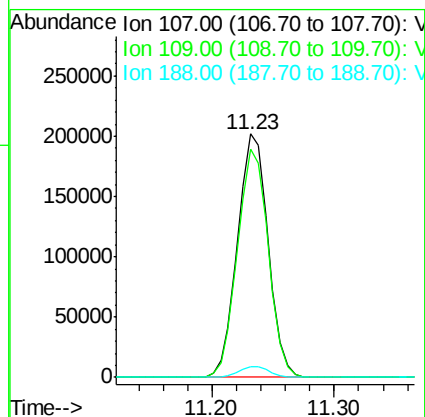
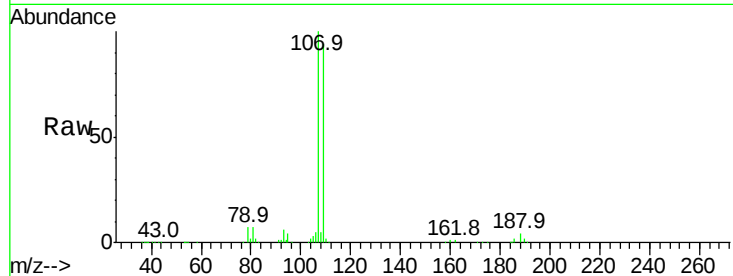




#51
1,2-Dibromoethane
Concen: 79.992 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW012931.D
Acq: 12 Sep 2019 12:41

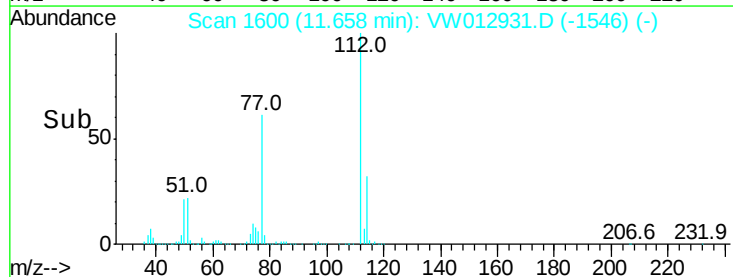
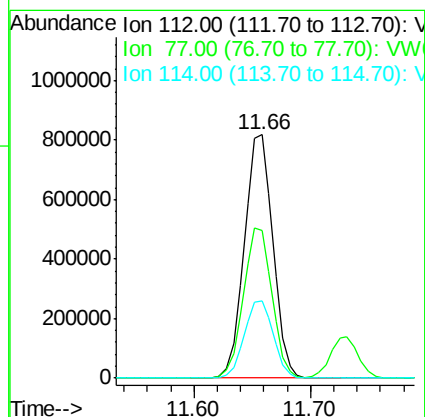
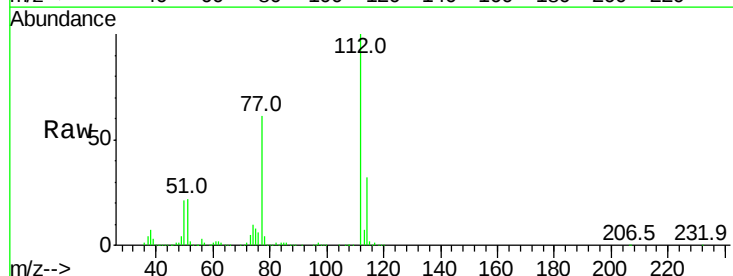
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

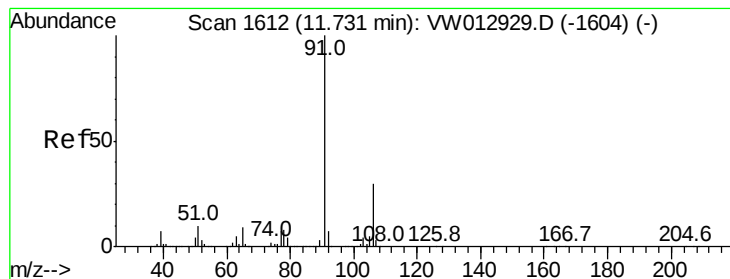
Tgt Ion:107 Resp: 350062
Ion Ratio Lower Upper
107 100
109 93.7 62.6 116.3
188 4.3 4.2 6.2



#52
Chlorobenzene
Concen: 92.653 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012931.D
Acq: 12 Sep 2019 12:41

Tgt Ion:112 Resp: 1403430
Ion Ratio Lower Upper
112 100
77 60.8 47.7 71.5
114 31.7 21.6 40.0





#53

Ethylbenzene

Concen: 92.783 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

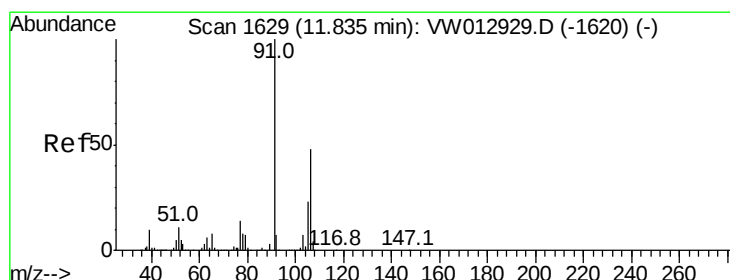
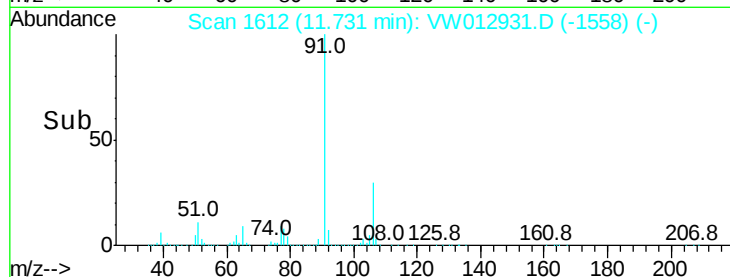
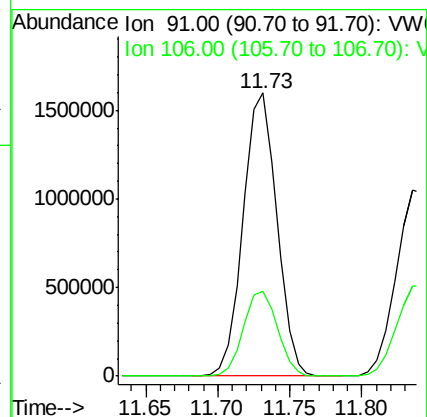
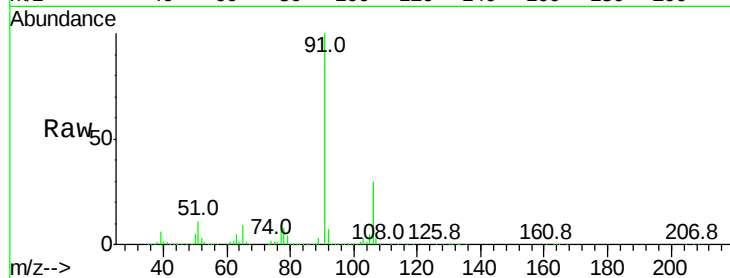
VSTD10005

Tgt Ion: 91 Resp: 2597779

Ion Ratio Lower Upper

91 100

106 30.0 21.3 39.5



#54

m,p-Xylene

Concen: 94.722 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW012931.D

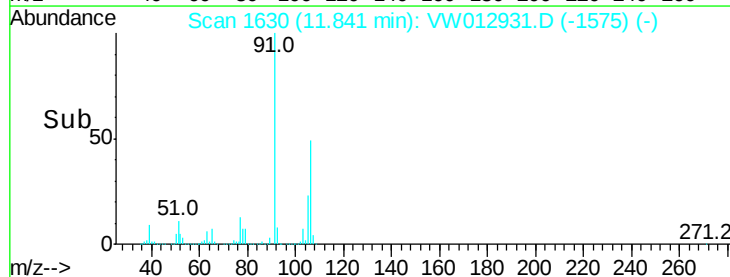
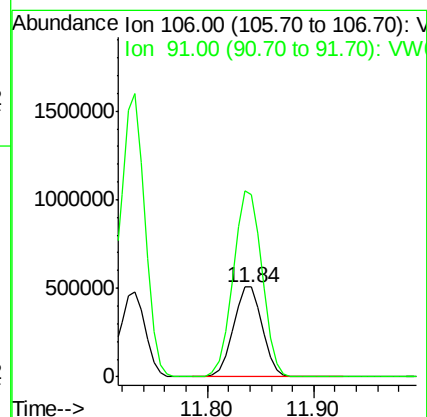
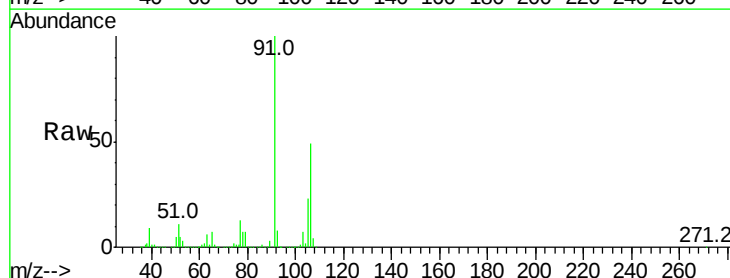
Acq: 12 Sep 2019 12:41

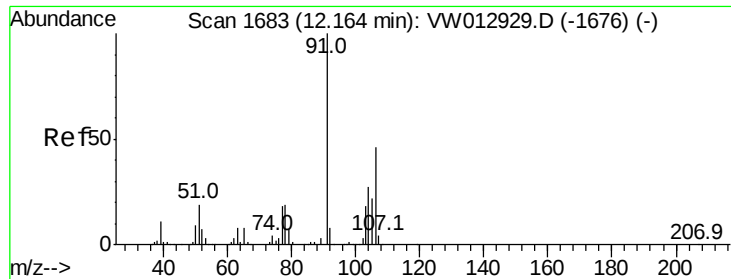
Tgt Ion: 106 Resp: 964358

Ion Ratio Lower Upper

106 100

91 203.9 145.0 269.4

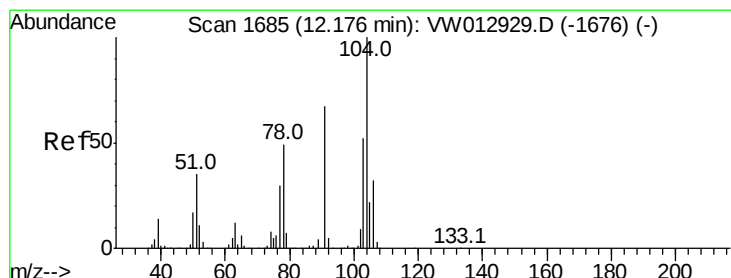
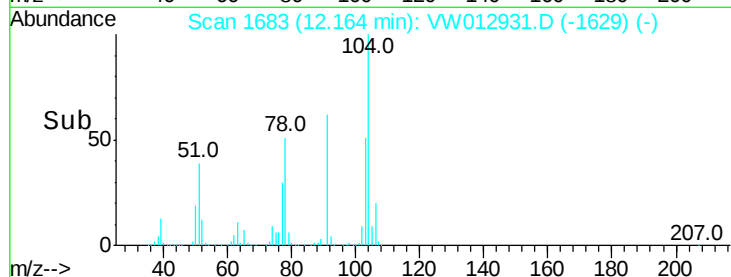
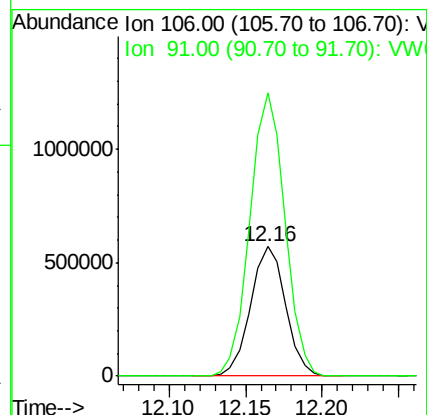
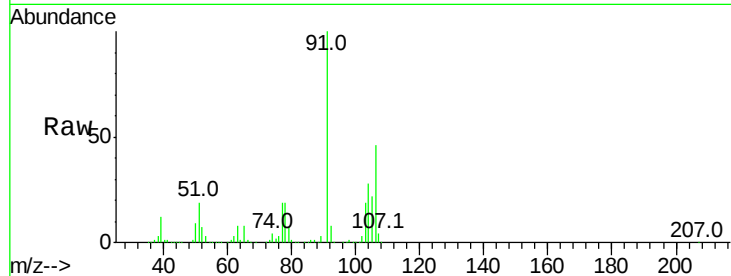




#55
o-xylene
Concen: 94.635 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012931.D
Acq: 12 Sep 2019 12:41

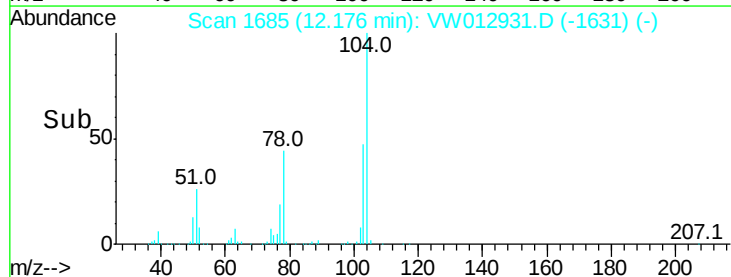
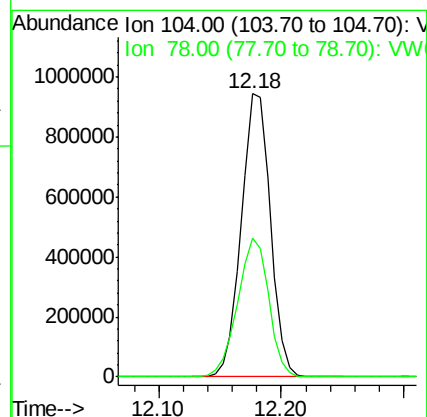
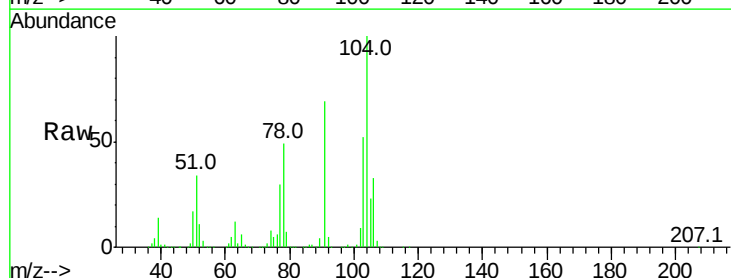
Instrument :
MSVOA_W
ClientSampleId :
VSTD10005

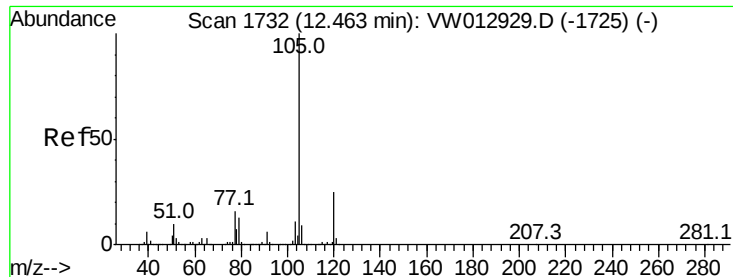
Tgt Ion:106 Resp: 906742
Ion Ratio Lower Upper
106 100
91 218.8 153.2 284.6



#56
Styrene
Concen: 95.480 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW012931.D
Acq: 12 Sep 2019 12:41

Tgt Ion:104 Resp: 1555327
Ion Ratio Lower Upper
104 100
78 49.0 34.5 64.1





#57

Isopropylbenzene

Concen: 95.045 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

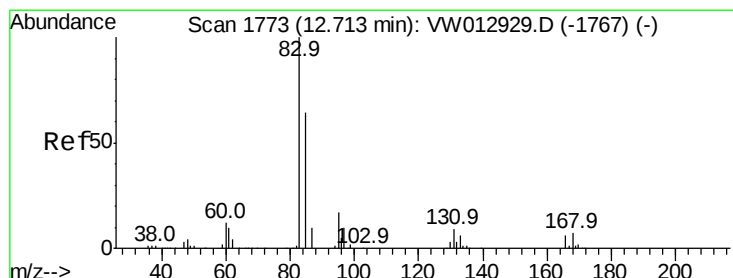
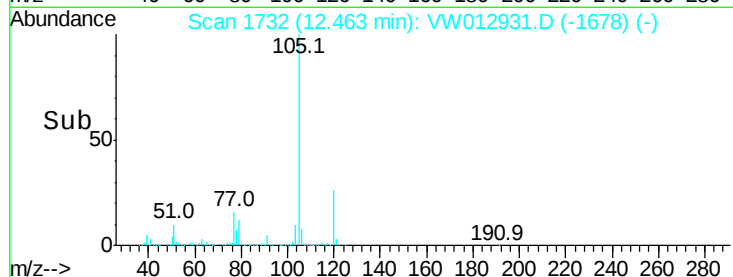
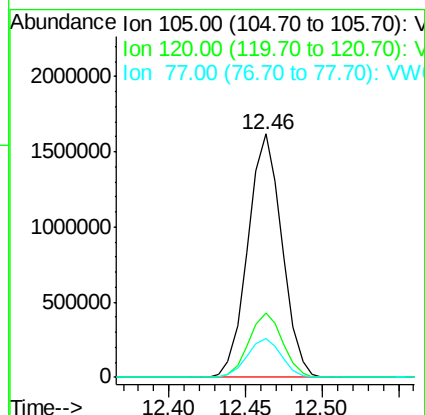
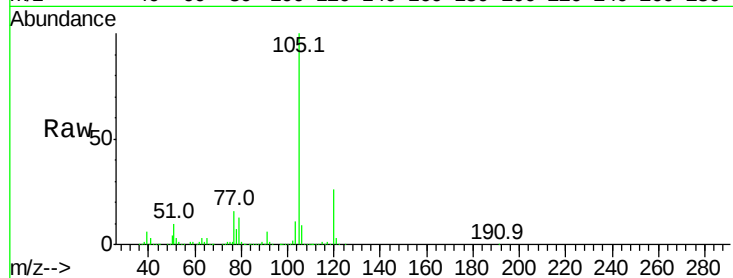
Tgt Ion:105 Resp: 2505324

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

77 16.0 12.9 19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 67.877 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

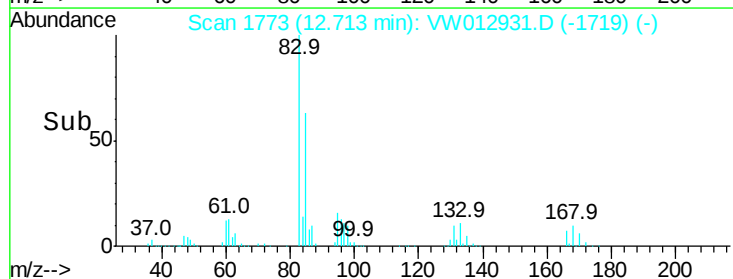
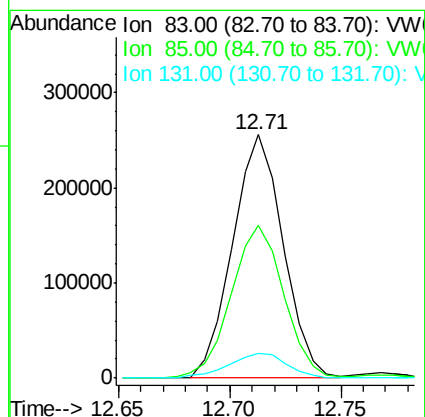
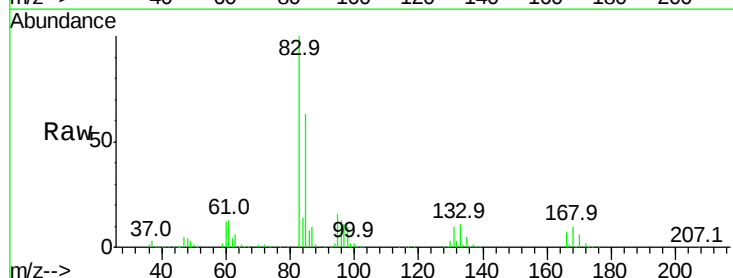
Tgt Ion: 83 Resp: 405663

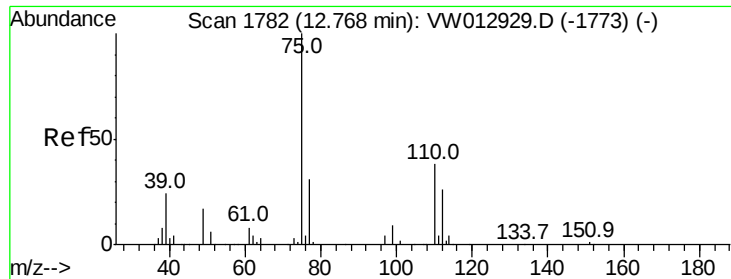
Ion Ratio Lower Upper

83 100

85 62.7 44.9 83.5

131 10.1 8.0 12.0

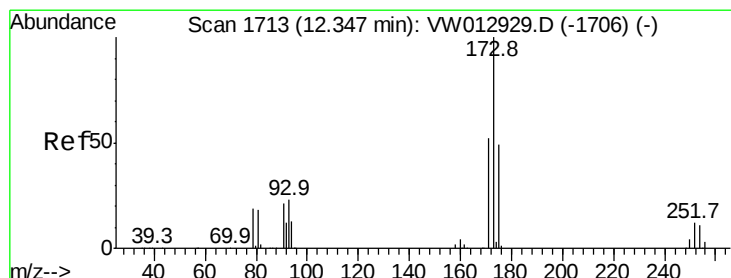
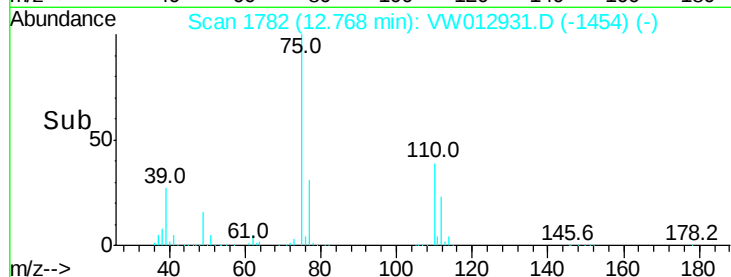
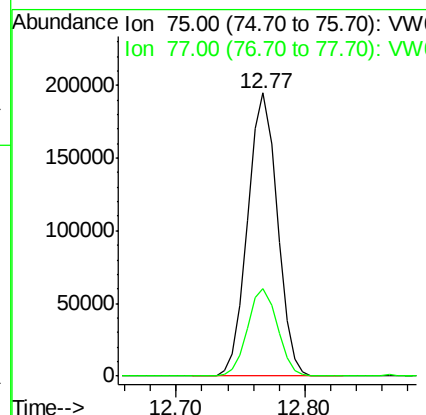
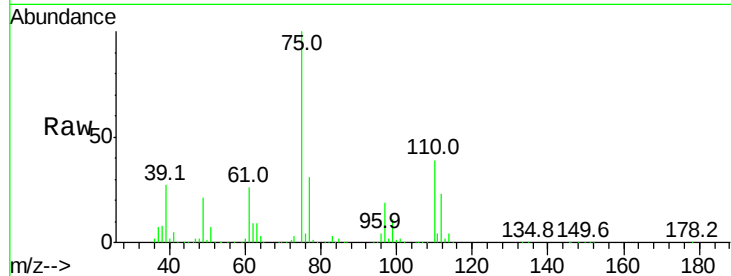




#59
 1,2,3-Trichloropropane
 Concen: 67.275 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW012931.D
 Acq: 12 Sep 2019 12:41

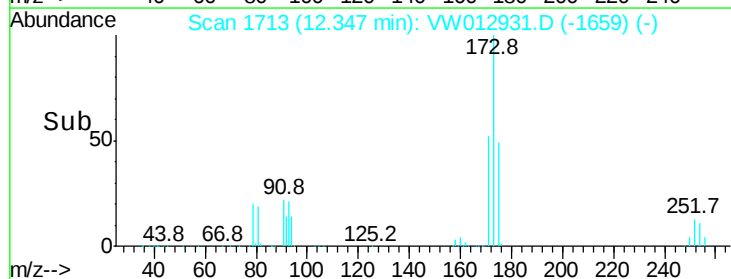
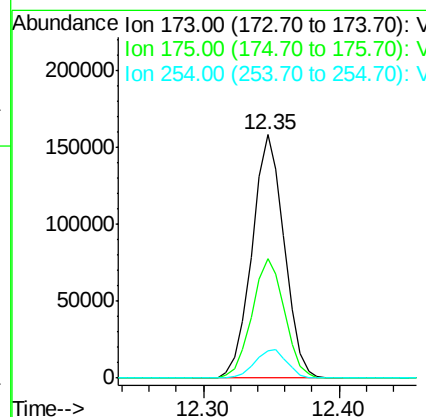
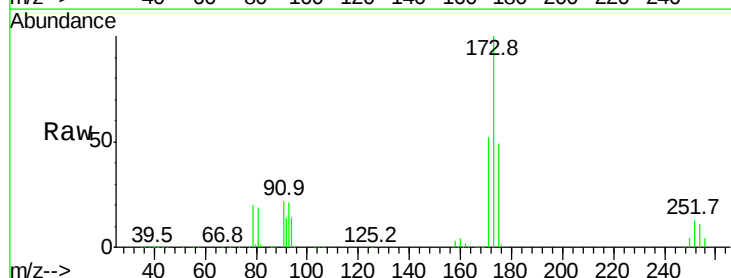
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

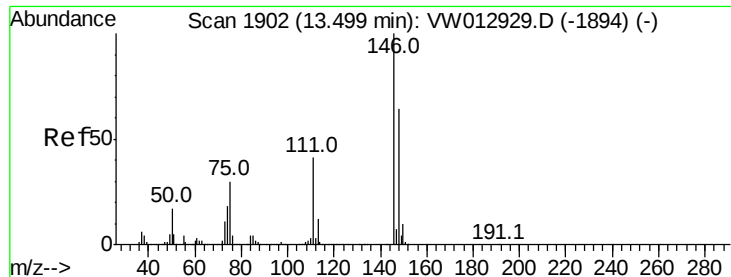
Tgt Ion: 75 Resp: 310103
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.2



#62
 Bromoform
 Concen: 83.766 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW012931.D
 Acq: 12 Sep 2019 12:41

Tgt Ion: 173 Resp: 262860
 Ion Ratio Lower Upper
 173 100
 175 49.5 39.7 59.5
 254 11.7 9.8 14.6

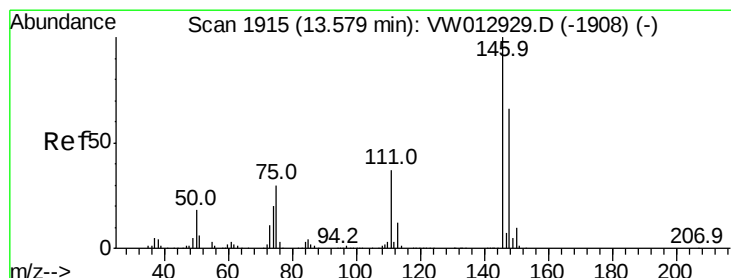
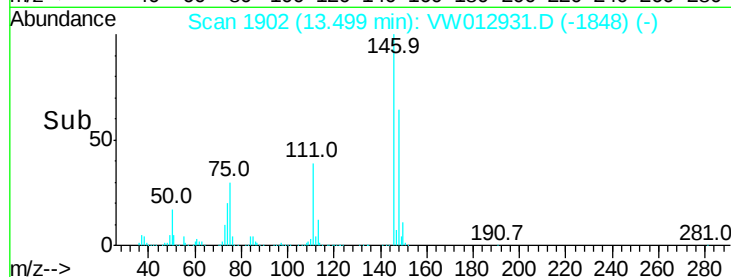
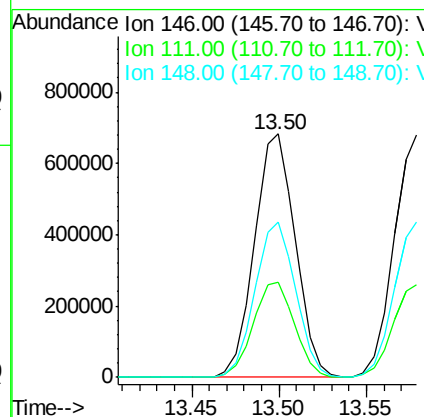
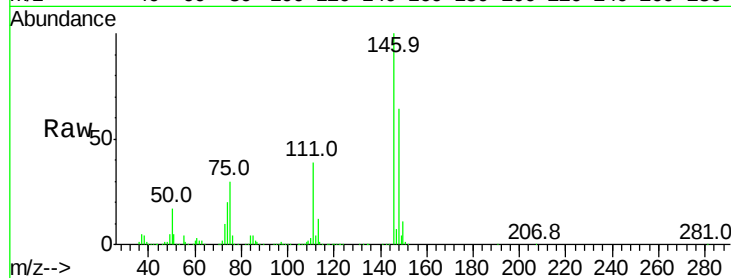




#63
 1,3-Dichlorobenzene
 Concen: 92.860 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012931.D
 Acq: 12 Sep 2019 12:41

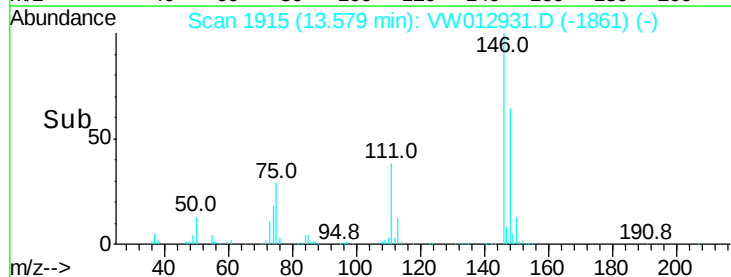
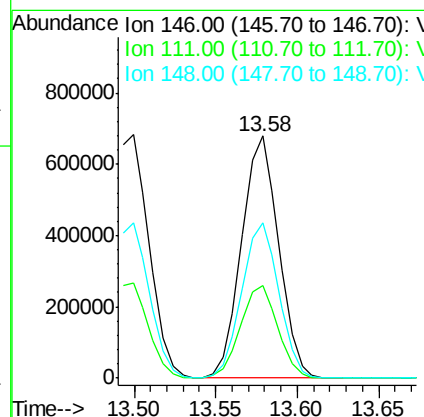
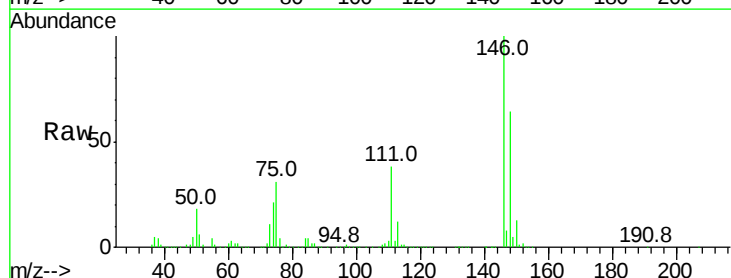
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

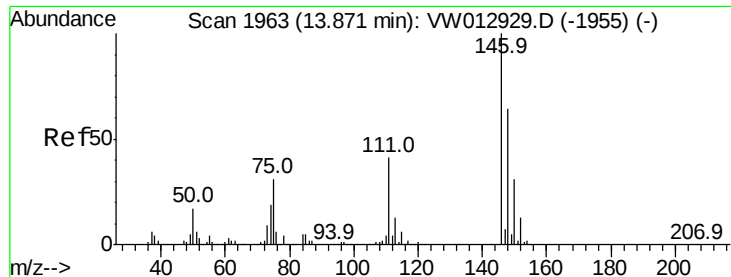
Tgt Ion:146 Resp: 1105456
 Ion Ratio Lower Upper
 146 100
 111 39.0 28.4 52.8
 148 63.8 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 90.080 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012931.D
 Acq: 12 Sep 2019 12:41

Tgt Ion:146 Resp: 1076887
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.1 48.5
 148 63.9 45.8 85.0





#65

1,2-Dichlorobenzene

Concen: 89.517 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

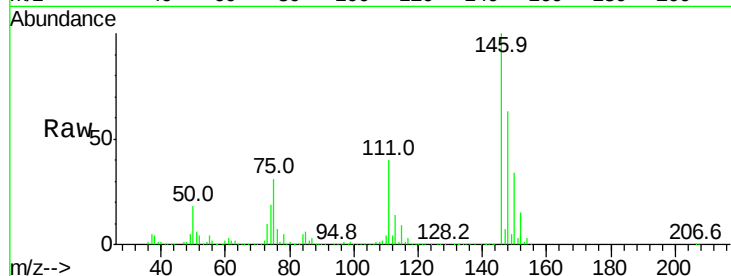
Tgt Ion:146 Resp: 964975

Ion Ratio Lower Upper

146 100

111 40.3 33.0 49.6

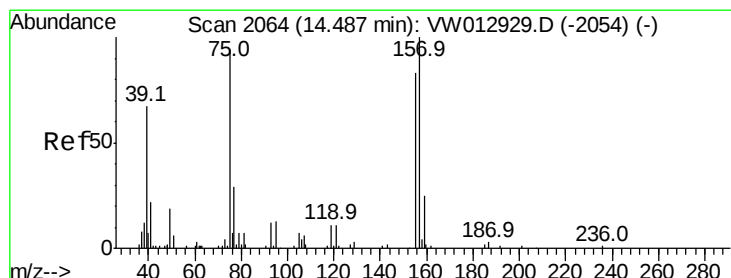
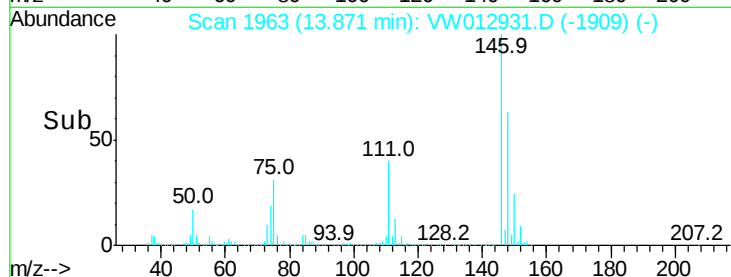
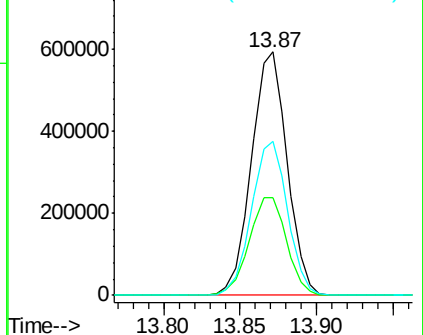
148 63.3 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 63.204 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

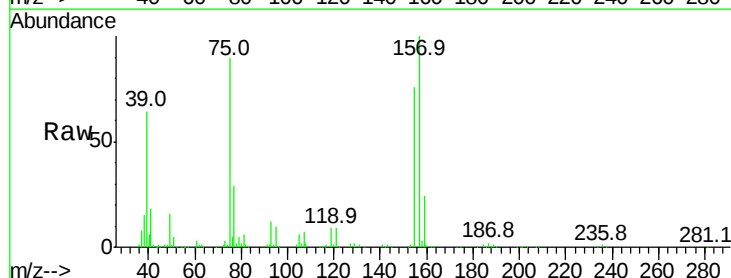
Tgt Ion: 75 Resp: 70516

Ion Ratio Lower Upper

75 100

157 111.1 85.0 127.4

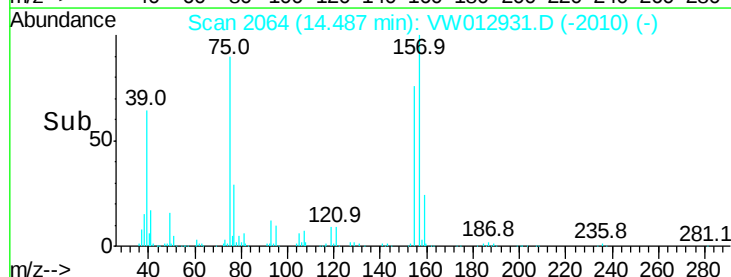
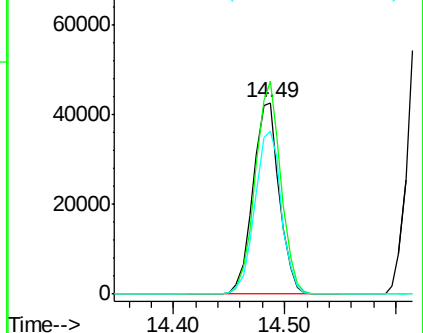
155 84.9 70.2 105.4

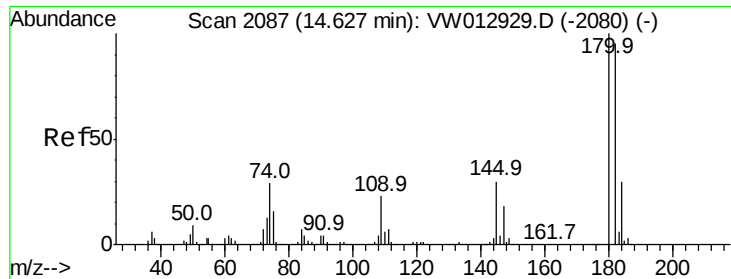


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

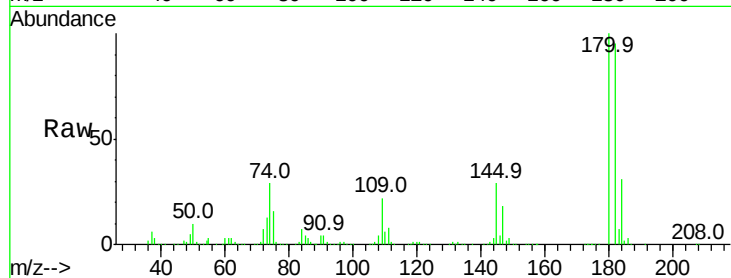




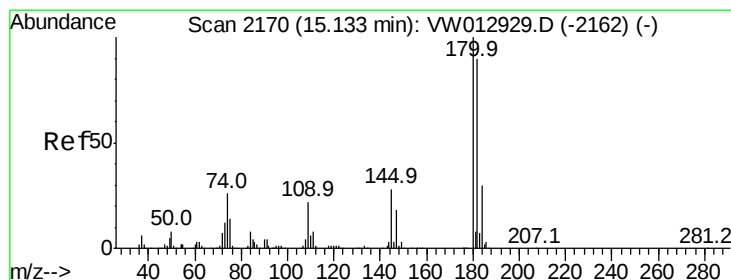
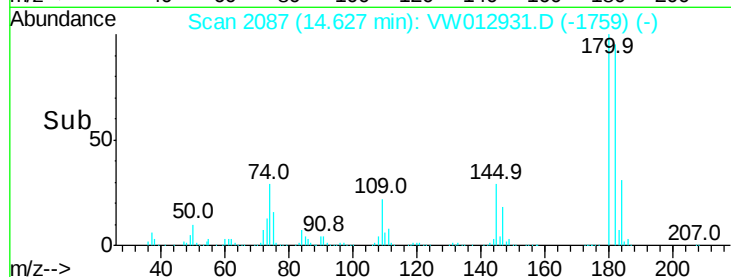
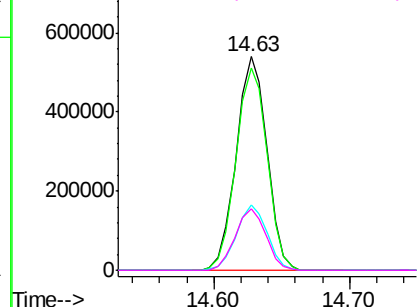
#67
 1,3,5-Trichlorobenzene
 Concen: 96.759 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW012931.D
 Acq: 12 Sep 2019 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

Tgt Ion:	180	Resp:	847810
Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.8	113.8
184	30.7	23.8	35.8
145	28.7	23.1	34.7

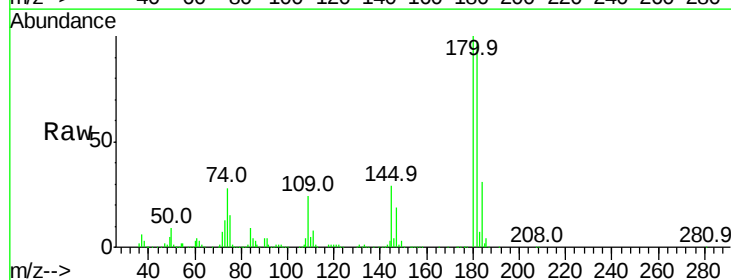


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

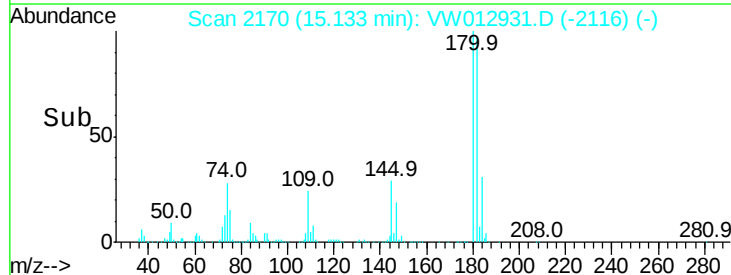
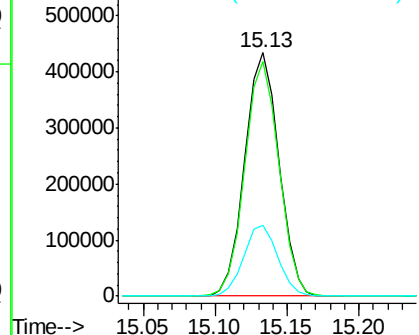


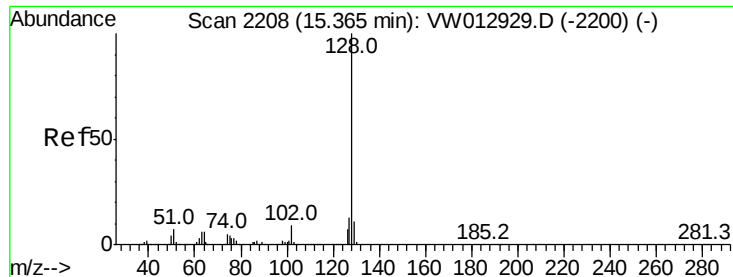
#68
 1,2,4-trichlorobenzene
 Concen: 101.186 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012931.D
 Acq: 12 Sep 2019 12:41

Tgt Ion:	180	Resp:	714034
Ion	Ratio	Lower	Upper
180	100		
182	96.0	73.8	110.8
145	29.2	22.9	34.3



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





#69

Naphthalene

Concen: 87.588 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD10005

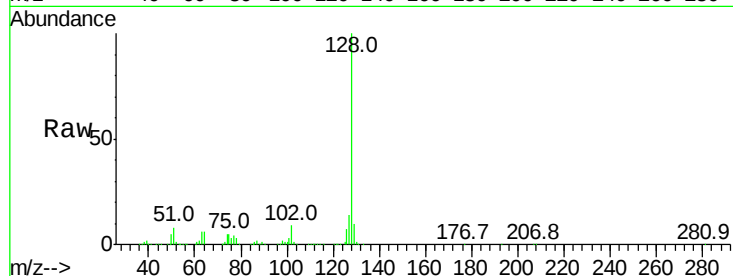
Tgt Ion:128 Resp: 1244671

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

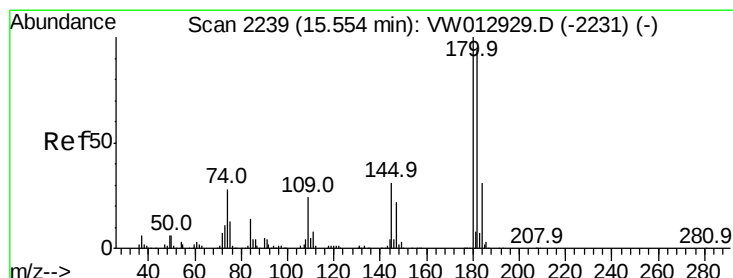
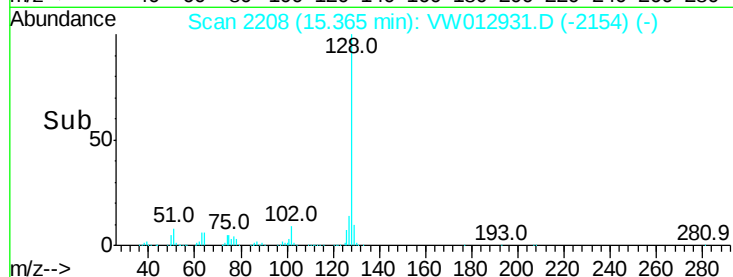
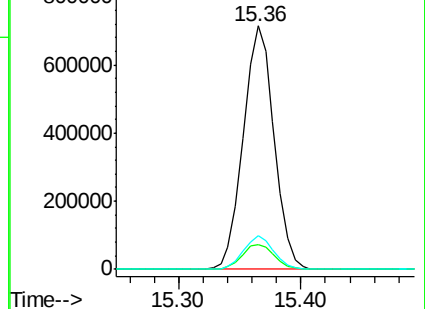
127 13.6 10.4 15.6



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: 94.732 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW012931.D

Acq: 12 Sep 2019 12:41

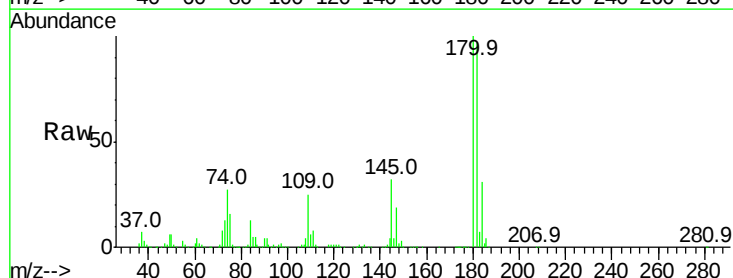
Tgt Ion:180 Resp: 619132

Ion Ratio Lower Upper

180 100

182 94.1 75.4 113.2

145 30.8 24.4 36.6



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

