

Data File : VW010925.D
Acq On : 24 Jun 2019 10:16
Operator : SY/VA
Sample : VSTD10014
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10006

Quant Time: Jun 24 10:40:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 24 10:06:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	380315	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	358128	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	173908	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	473655	101.93	ug/L	0.00
7) Chloroethane-d5	2.87	69	373661	97.71	ug/L	-0.01
10) 1,1-Dichloroethene-d2	4.02	63	1154650	107.64	ug/L	0.00
20) 2-Butanone-d5	7.07	46	506016	194.86	ug/L	0.00
24) Chloroform-d	7.64	84	1031677	97.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	644309	93.35	ug/L	0.00
29) Benzene-d6	8.27	84	2058683	95.88	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	697713	95.63	ug/L	0.00
37) Toluene-d8	10.32	98	1892155	97.08	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	331300	109.78	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	349155	203.68	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	602865	96.83	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	652991	94.42	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	583495	117.419	ug/L	97
3) Chloromethane	2.21	50	654910	113.979	ug/L	99
5) Vinyl chloride	2.36	62	680081	116.377	ug/L	100
6) Bromomethane	2.76	94	338587	105.907	ug/L	99
8) Chloroethane	2.91	64	372946	111.304	ug/L	99
9) Trichlorofluoromethane	3.25	101	259702	148.843	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	531881	112.790	ug/L	100
12) 1,1-Dichloroethene	4.04	96	547177	116.816	ug/L	94
13) Acetone	4.11	43	413689	211.086	ug/L	100
14) Carbon disulfide	4.39	76	1664788	125.243	ug/L	100
15) Methyl Acetate	4.66	43	423226	105.232	ug/L	99
16) Methylene chloride	4.92	84	556639	96.066	ug/L	100
17) Methyl tert-butyl Ether	5.42	73	840126	103.113	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	549390	108.781	ug/L	98
19) 1,1-Dichloroethane	6.21	63	1120808	108.845	ug/L	100
21) 2-Butanone	7.17	43	615703	205.771	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	599648	107.414	ug/L	98
23) Bromochloromethane	7.51	128	255881	105.474	ug/L	97
25) Chloroform	7.67	83	1031453	106.187	ug/L	100
27) 1,2-Dichloroethane	8.40	62	807752	102.928	ug/L	100
30) Cyclohexane	7.95	56	1166781	113.963	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	751526	112.316	ug/L	99
32) Carbon tetrachloride	8.07	117	739237	119.607	ug/L	99
34) Benzene	8.32	78	2305842	104.880	ug/L	100
35) Trichloroethene	9.09	95	586342	107.670	ug/L	99
36) Methylcyclohexane	9.34	83	1092210	114.571	ug/L	99
40) 1,2-Dichloropropane	9.37	63	644723	104.847	ug/L	99
41) Bromodichloromethane	9.64	83	791777	111.942	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	1057424	117.124	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	1276495	215.308	ug/L	100

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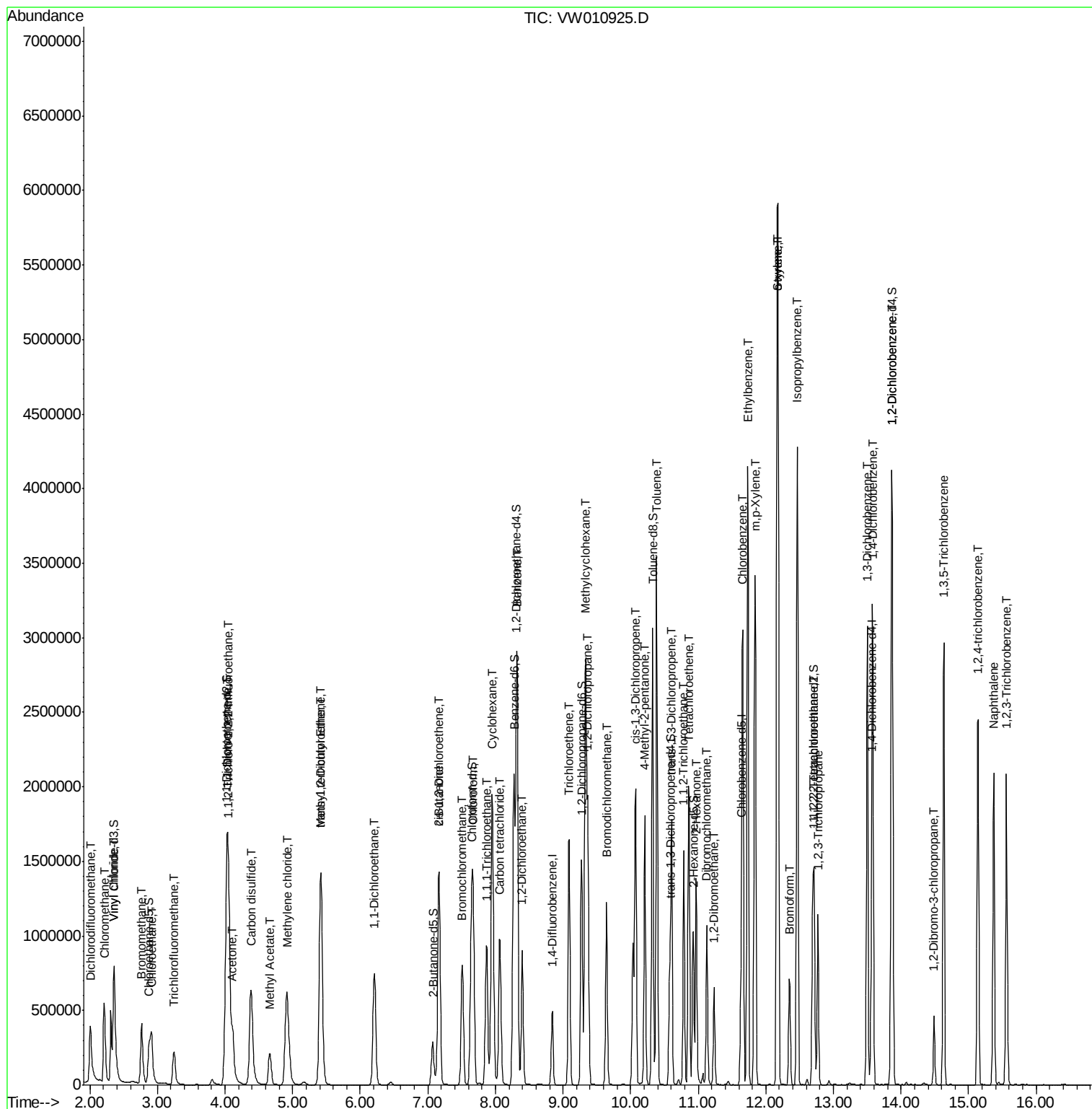
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2438432	106.829	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	891109	117.686	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	455074	105.784	ug/L	98
47) Tetrachloroethene	10.86	164	443155	110.479	ug/L	97
49) 2-Hexanone	10.97	43	913878	218.977	ug/L	99
50) Dibromochloromethane	11.13	129	530017	115.718	ug/L	98
51) 1,2-Dibromoethane	11.24	107	446897	105.483	ug/L	99
52) Chlorobenzene	11.66	112	1486517	105.623	ug/L	99
53) Ethylbenzene	11.73	91	2776754	108.553	ug/L	99
54) m,p-Xylene	11.84	106	1016906	109.256	ug/L	98
55) o-xylene	12.16	106	992203	108.473	ug/L	99
56) Styrene	12.18	104	1717638	109.350	ug/L	99
57) Isopropylbenzene	12.46	105	2631740	109.968	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	608250	106.587	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	465931	102.794	ug/L	100
62) Bromoform	12.35	173	317028	120.611	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	1149683	106.784	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1139789	103.710	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	1054432	103.639	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	115314	110.592	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	854829	104.879	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	748064	105.571	ug/L	100
69) Naphthalene	15.37	128	1689879	106.183	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	677167	102.818	ug/L	100

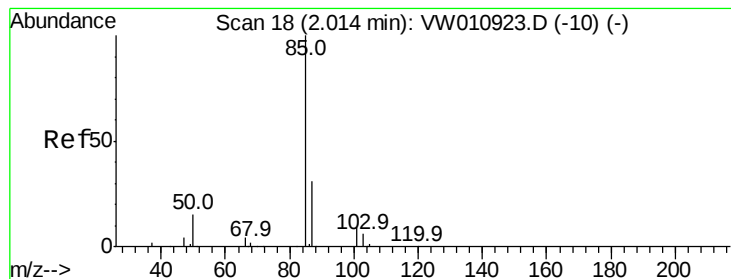
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 117.419 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

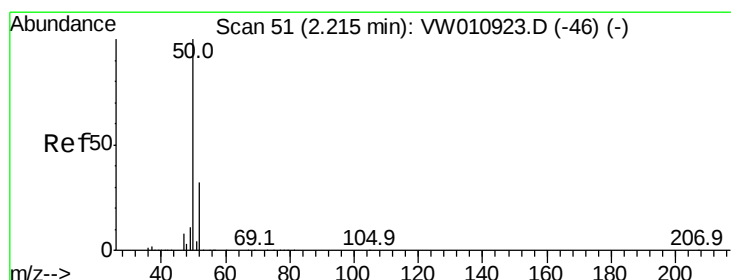
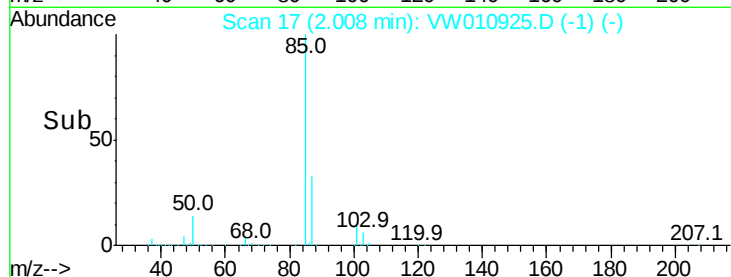
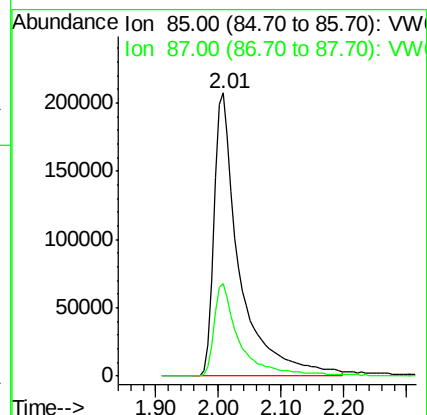
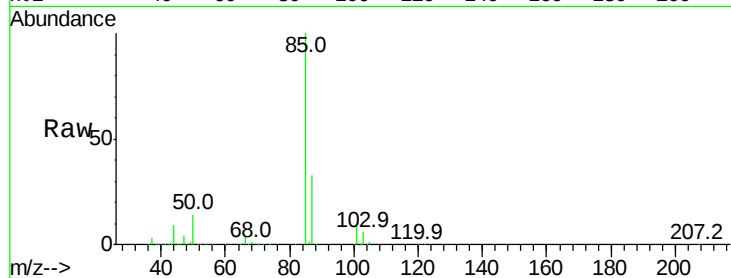
VSTD10006

Tgt Ion: 85 Resp: 583495

Ion Ratio Lower Upper

85 100

87 32.7 21.8 40.6



#3

Chloromethane

Concen: 113.979 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010925.D

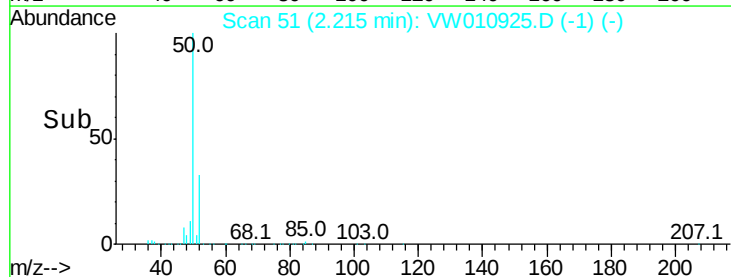
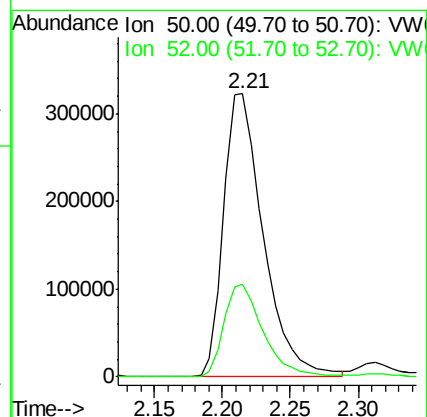
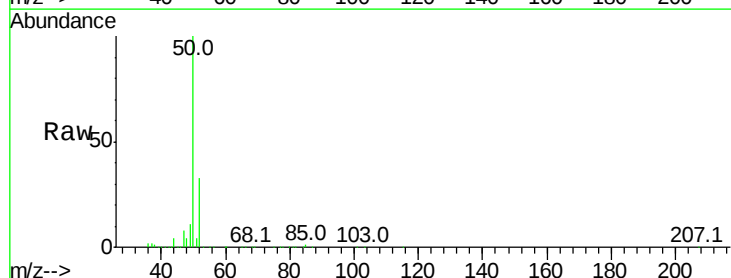
Acq: 24 Jun 2019 10:16

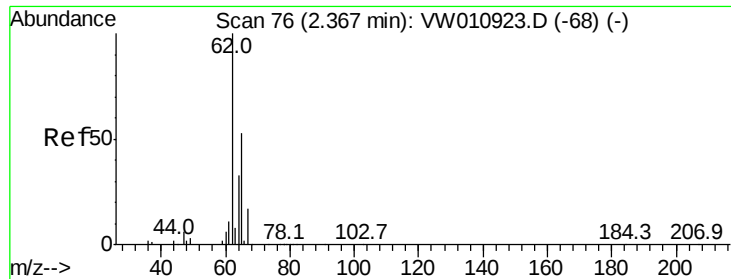
Tgt Ion: 50 Resp: 654910

Ion Ratio Lower Upper

50 100

52 32.7 22.3 41.5





#5

Vinyl chloride

Concen: 116.377 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

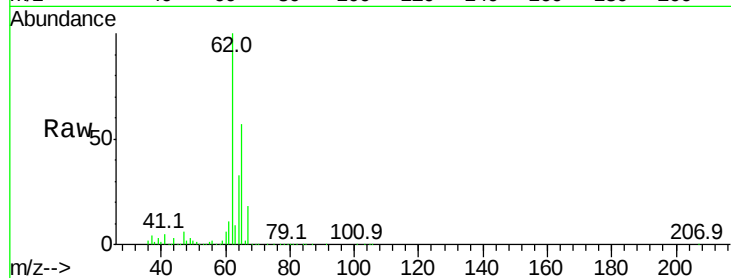
VSTD10006

Tgt Ion: 62 Resp: 680081

Ion Ratio Lower Upper

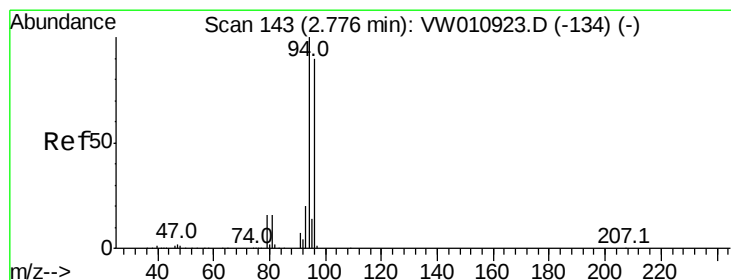
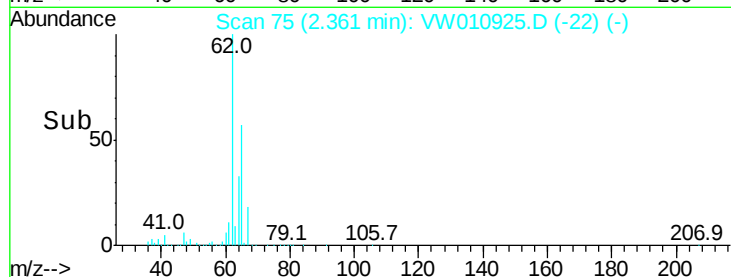
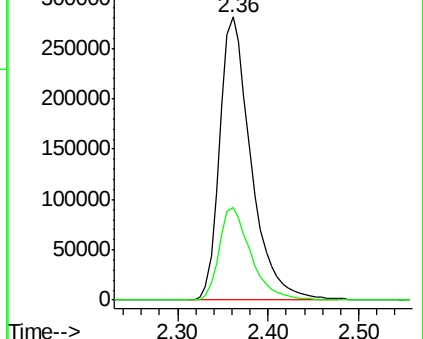
62 100

64 32.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 105.907 ug/L

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW010925.D

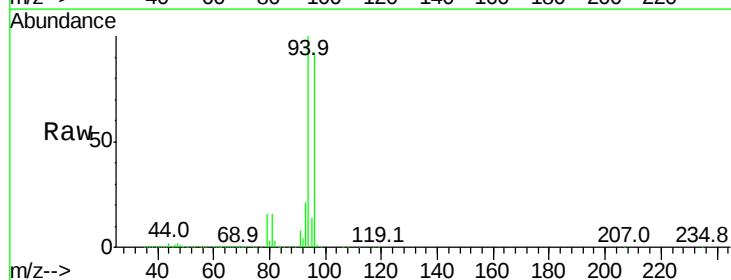
Acq: 24 Jun 2019 10:16

Tgt Ion: 94 Resp: 338587

Ion Ratio Lower Upper

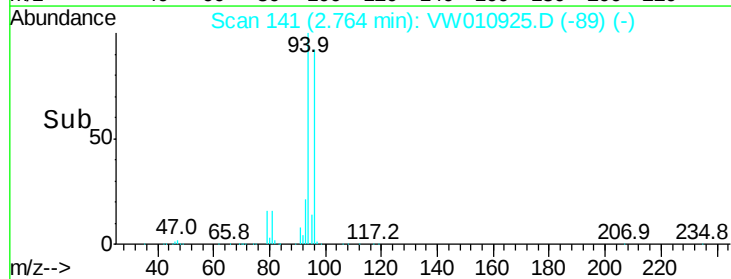
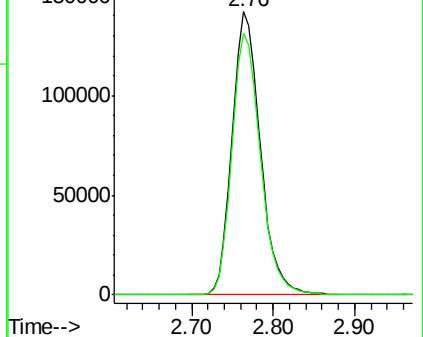
94 100

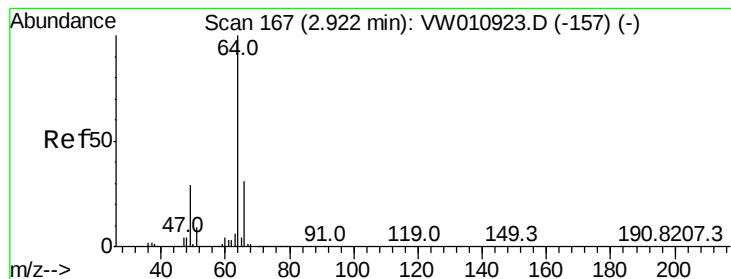
96 93.5 9.2 175.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 111.304 ug/L

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

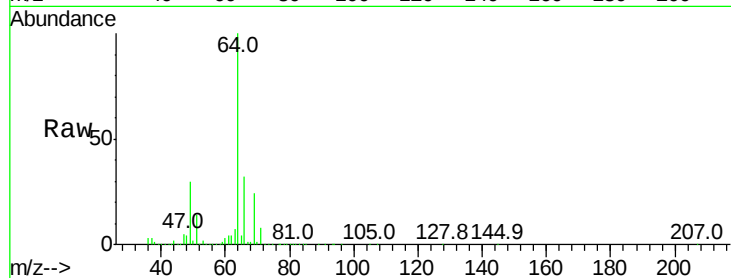
VSTD10006

Tgt Ion: 64 Resp: 372946

Ion Ratio Lower Upper

64 100

66 31.8 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.91

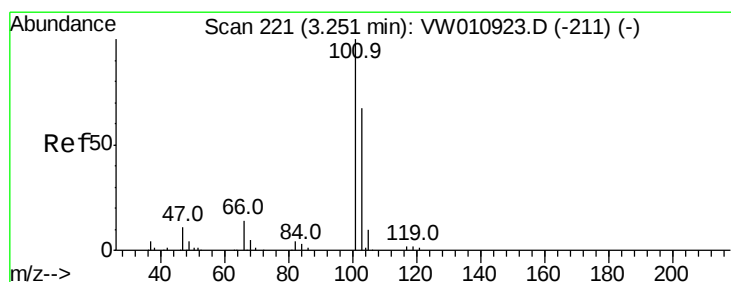
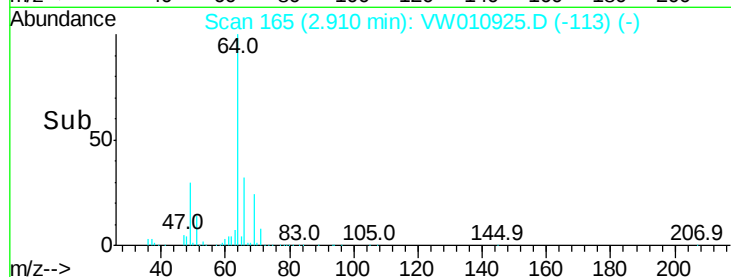
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 148.843 ug/L

RT: 3.25 min Scan# 220

Delta R.T. -0.01 min

Lab File: VW010925.D

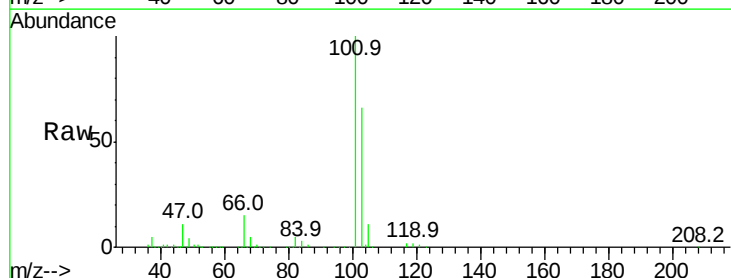
Acq: 24 Jun 2019 10:16

Tgt Ion: 101 Resp: 259702

Ion Ratio Lower Upper

101 100

103 65.1 46.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.25

100000

80000

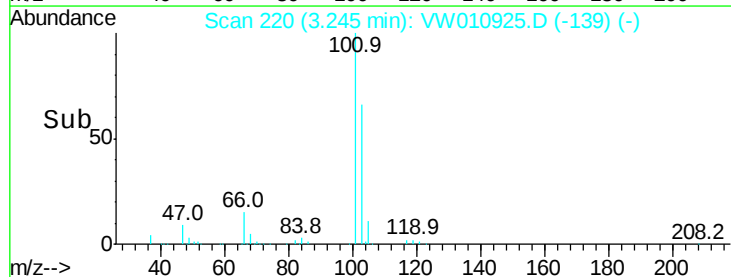
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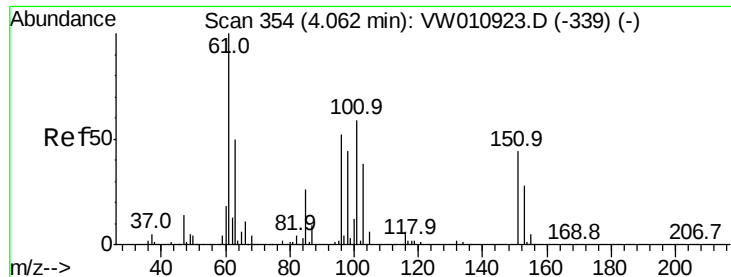
40000

20000

0

Time-->





#11

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

Concen: 112.790 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

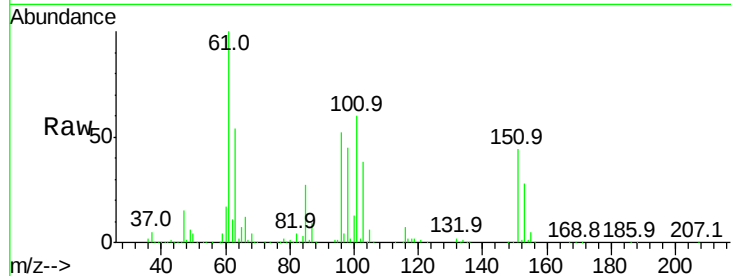
Tgt Ion:101 Resp: 531881

Ion Ratio Lower Upper

101 100

85 44.9 35.8 53.8

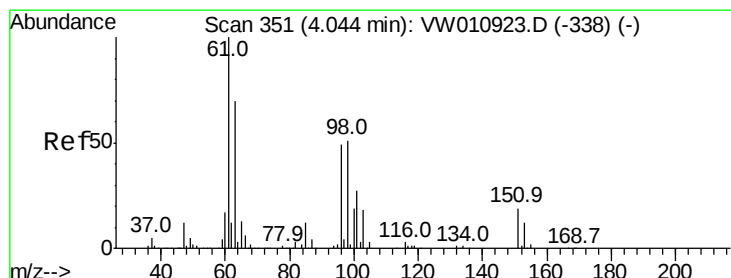
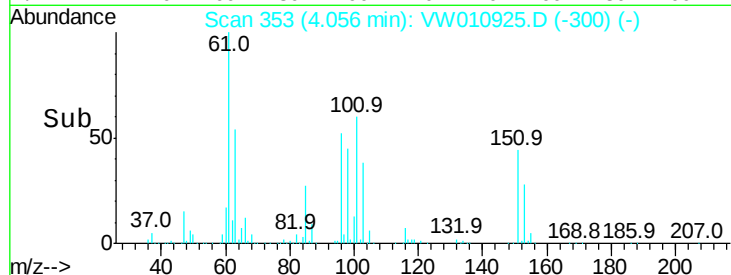
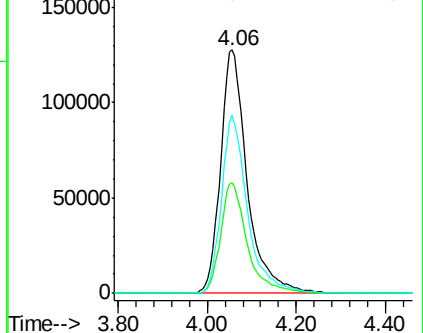
151 71.1 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 116.816 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

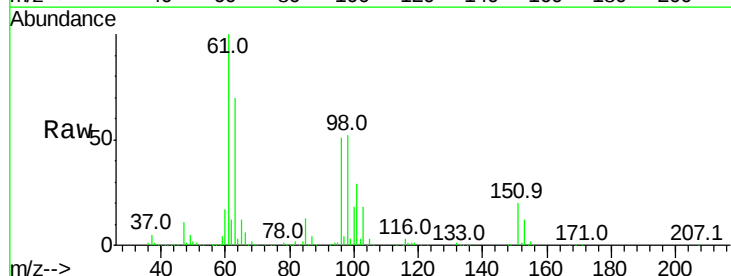
Tgt Ion: 96 Resp: 547177

Ion Ratio Lower Upper

96 100

61 197.0 144.5 268.3

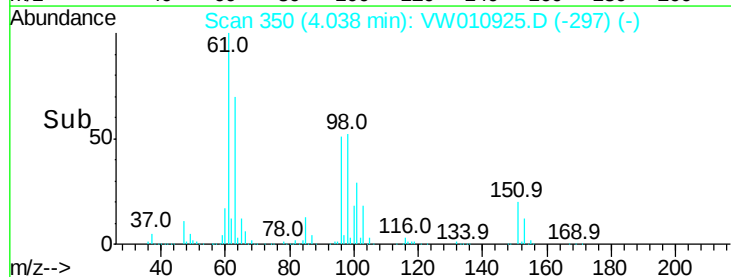
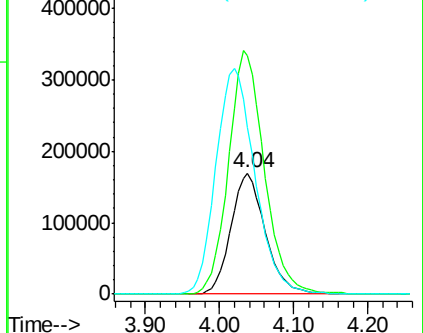
63 137.9 102.3 189.9

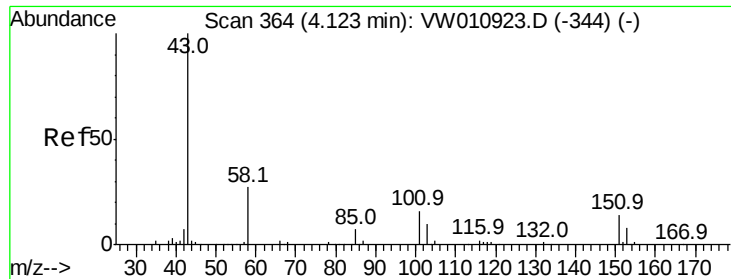


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 211.086 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

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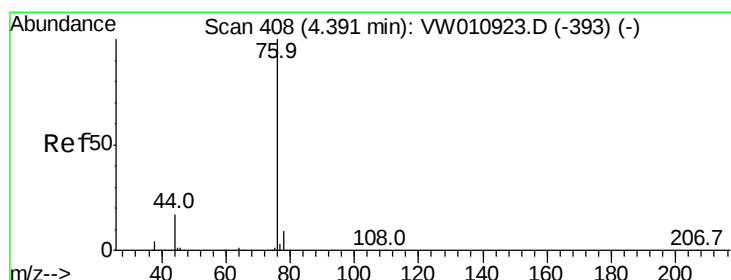
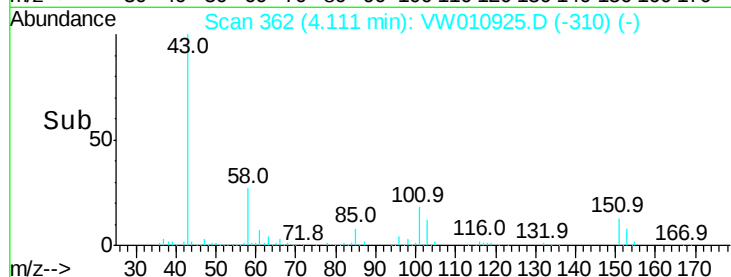
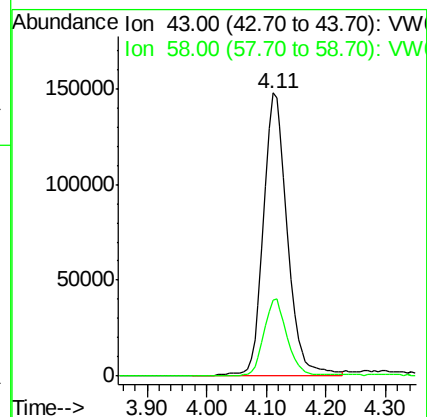
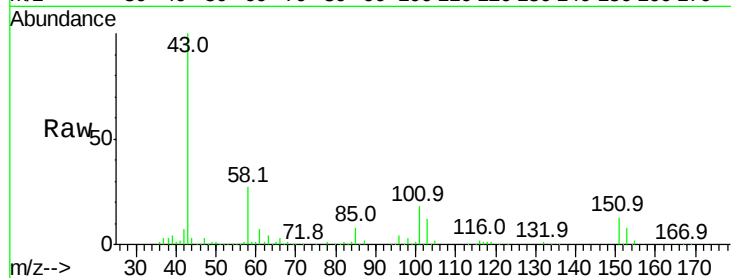
VSTD10006

Tgt Ion: 43 Resp: 413689

Ion Ratio Lower Upper

43 100

58 26.6 0.0 53.2



#14

Carbon disulfide

Concen: 125.243 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW010925.D

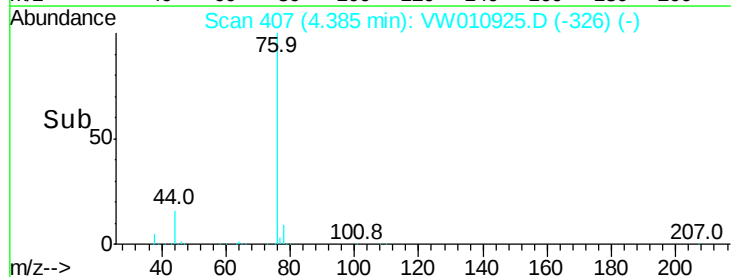
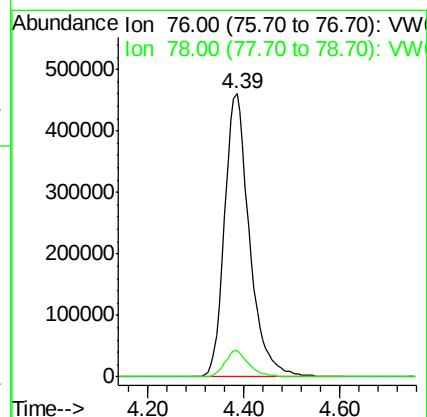
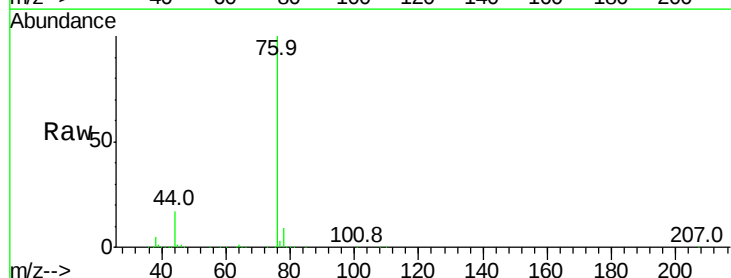
Acq: 24 Jun 2019 10:16

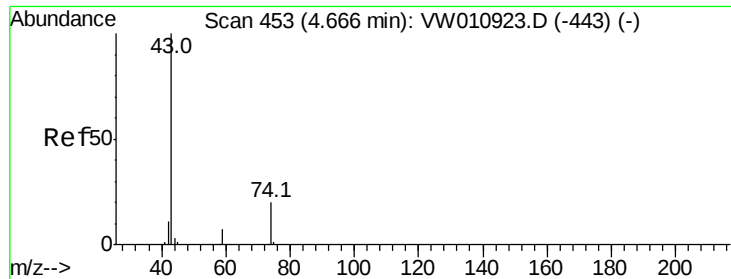
Tgt Ion: 76 Resp: 1664788

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

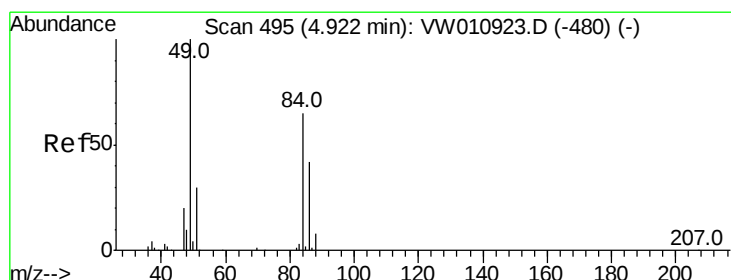
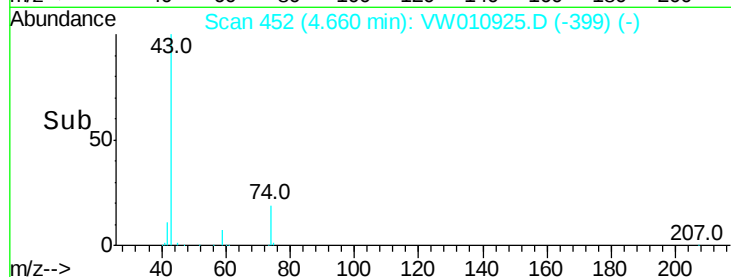
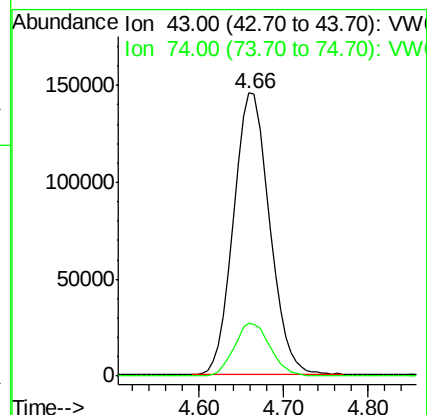
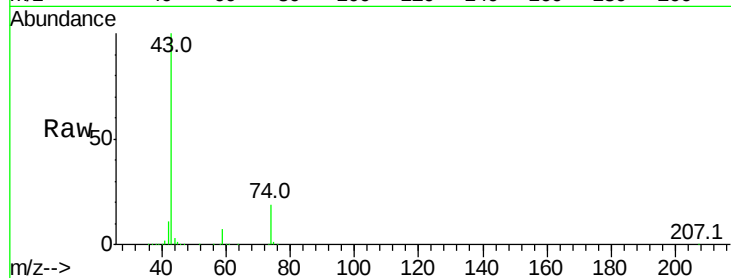




#15
Methyl Acetate
Concen: 105.232 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW010925.D
Acq: 24 Jun 2019 10:16

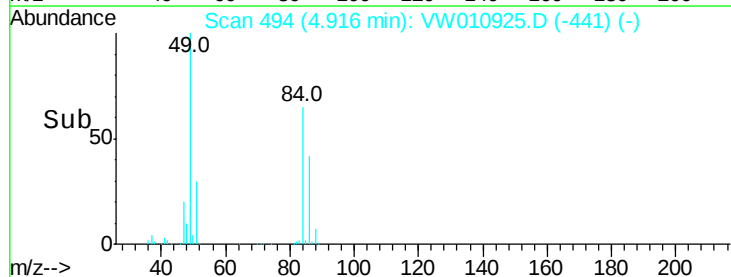
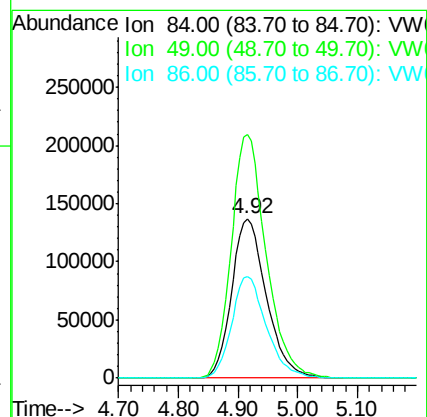
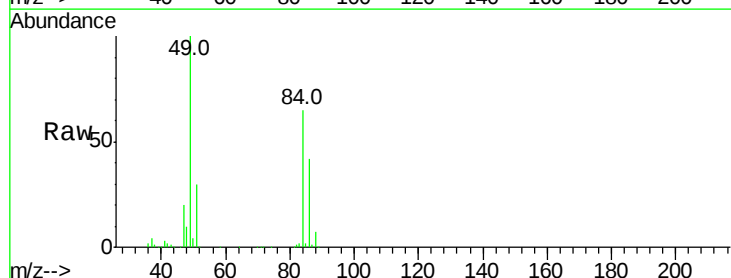
Instrument :
MSVOA_W
ClientSampleId :
VSTD10006

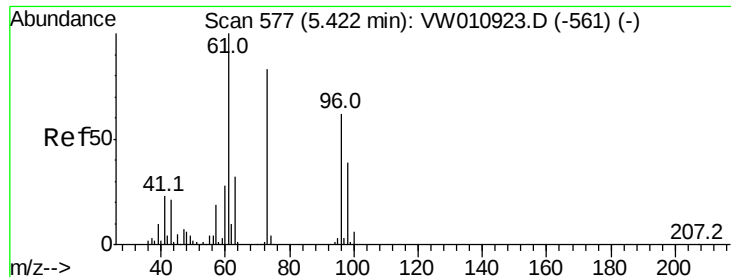
Tgt Ion: 43 Resp: 423226
Ion Ratio Lower Upper
43 100
74 18.8 15.3 22.9



#16
Methylene chloride
Concen: 96.066 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW010925.D
Acq: 24 Jun 2019 10:16

Tgt Ion: 84 Resp: 556639
Ion Ratio Lower Upper
84 100
49 152.8 107.0 198.8
86 64.0 44.4 82.5

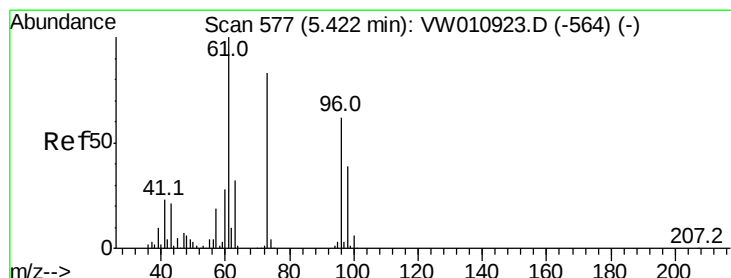
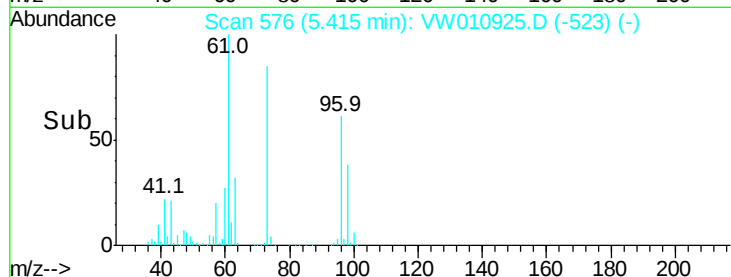
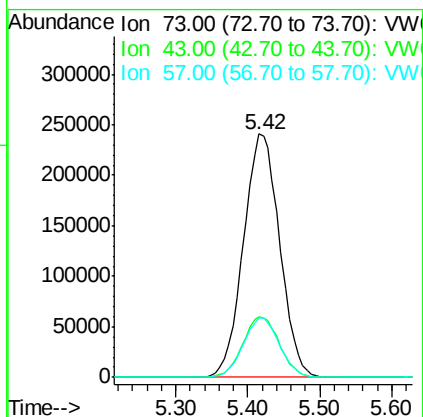
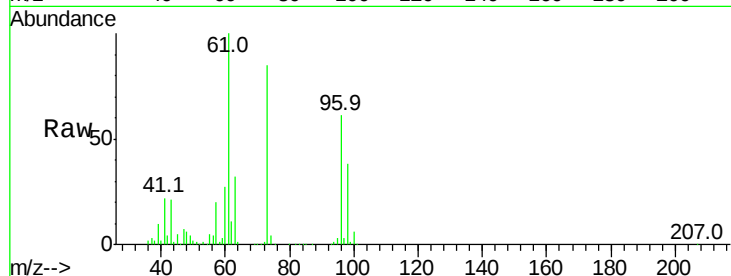




#17
Methyl tert-butyl Ether
Concen: 103.113 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW010925.D
Acq: 24 Jun 2019 10:16

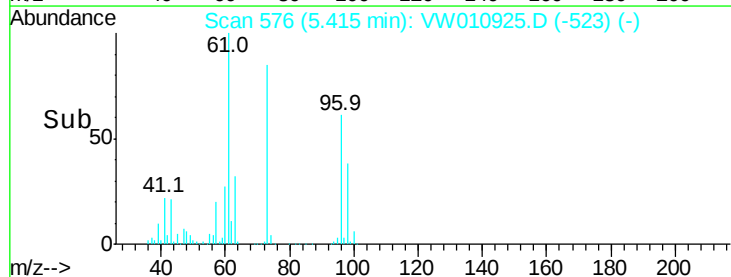
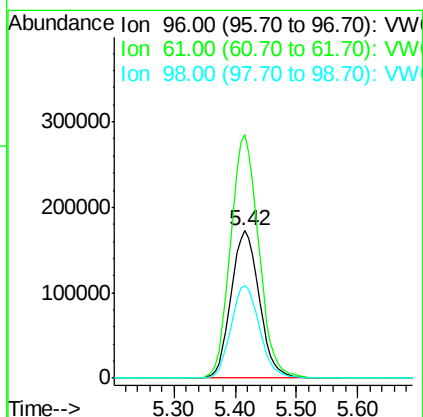
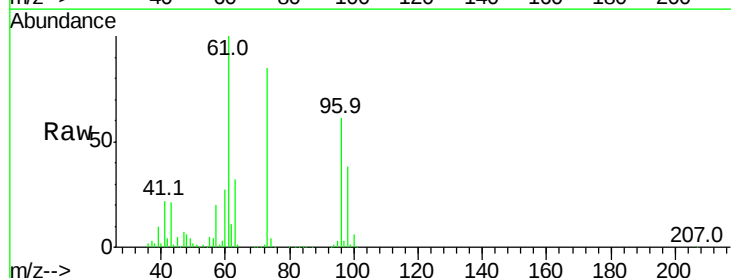
Instrument :
MSVOA_W
ClientSampleId :
VSTD10006

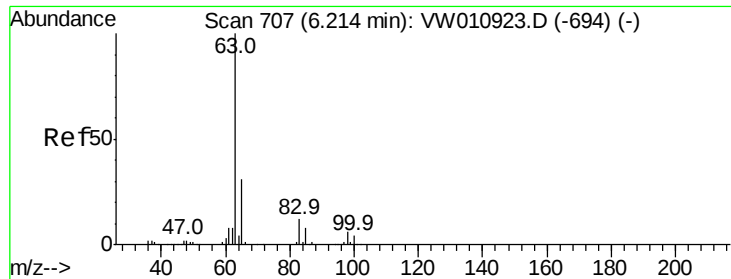
Tgt Ion: 73 Resp: 840126
Ion Ratio Lower Upper
73 100
43 25.1 20.2 30.2
57 24.2 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 108.781 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW010925.D
Acq: 24 Jun 2019 10:16

Tgt Ion: 96 Resp: 549390
Ion Ratio Lower Upper
96 100
61 165.1 113.3 210.3
98 62.9 44.1 81.9



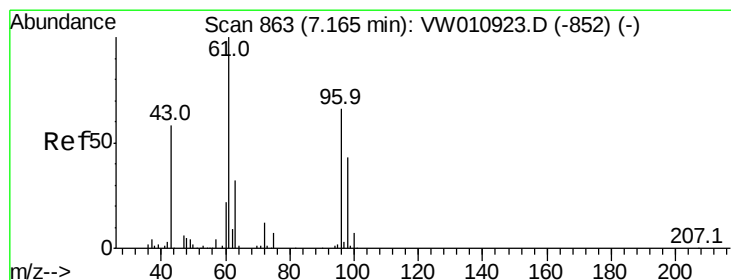
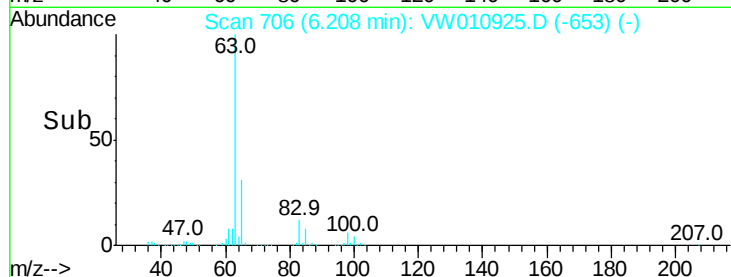
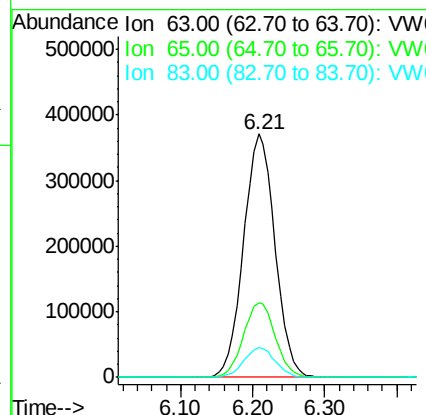
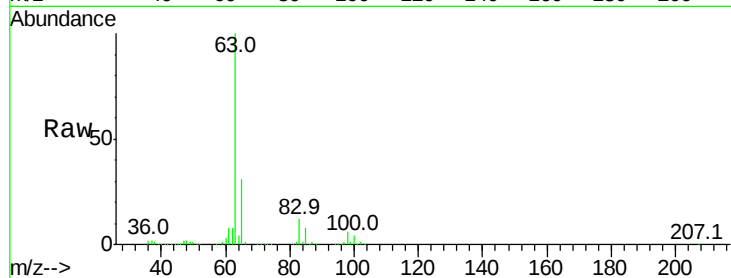


#19
 1,1-Dichloroethane
 Concen: 108.845 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW010925.D
 Acq: 24 Jun 2019 10:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

Tgt Ion: 63 Resp: 1120808

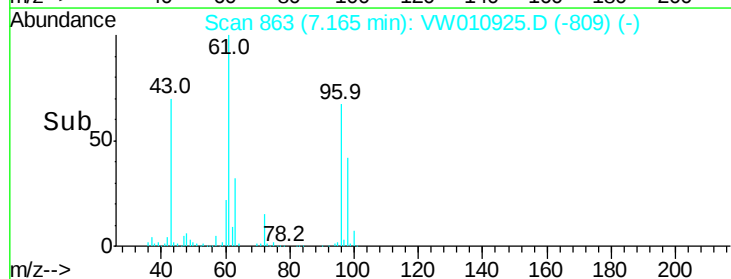
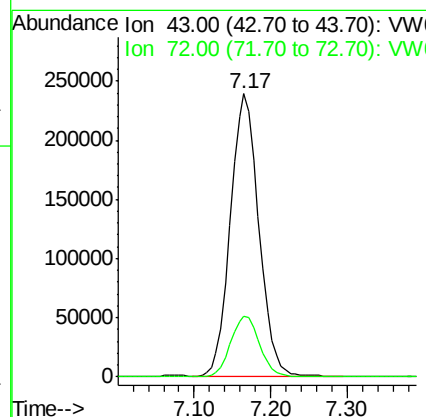
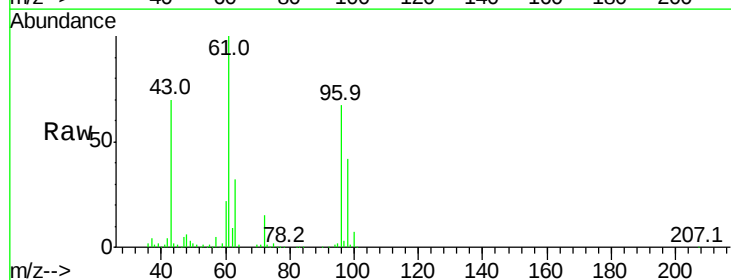
Ion	Ratio	Lower	Upper
63	100		
65	30.7	21.3	39.6
83	12.2	8.5	15.9

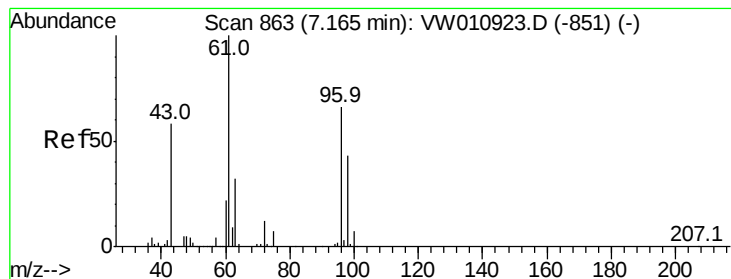


#21
 2-Butanone
 Concen: 205.771 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010925.D
 Acq: 24 Jun 2019 10:16

Tgt Ion: 43 Resp: 615703

Ion	Ratio	Lower	Upper
43	100		
72	21.8	10.9	32.6





#22

cis-1,2-Dichloroethene

Concen: 107.414 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

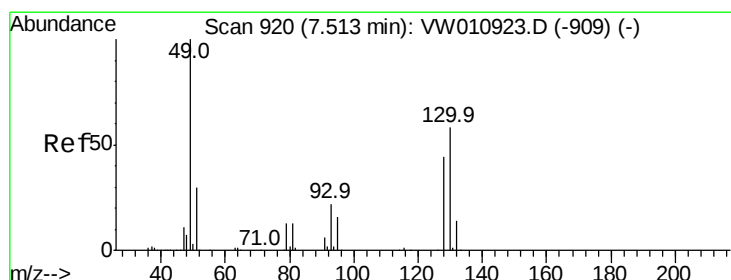
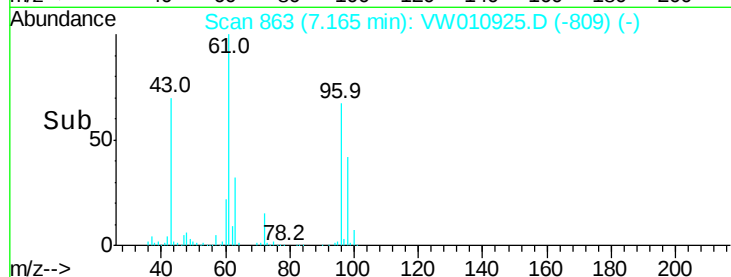
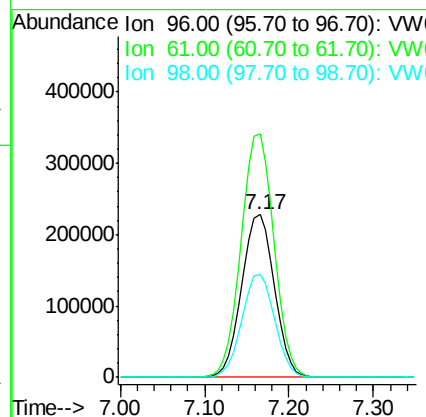
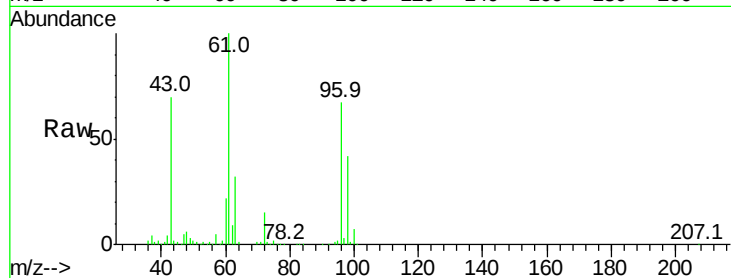
Tgt Ion: 96 Resp: 599648

Ion Ratio Lower Upper

96 100

61 149.5 106.5 197.7

98 63.5 45.5 84.5



#23

Bromochloromethane

Concen: 105.474 ug/L

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

Tgt Ion: 128 Resp: 255881

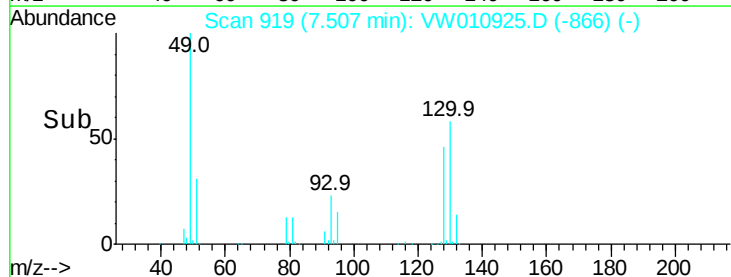
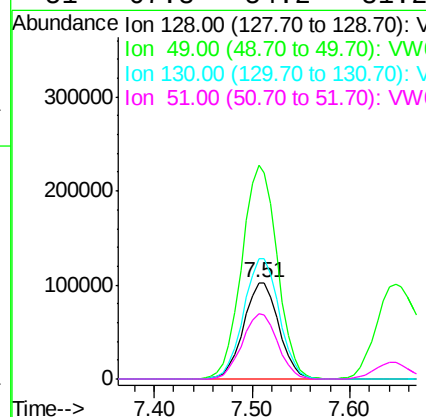
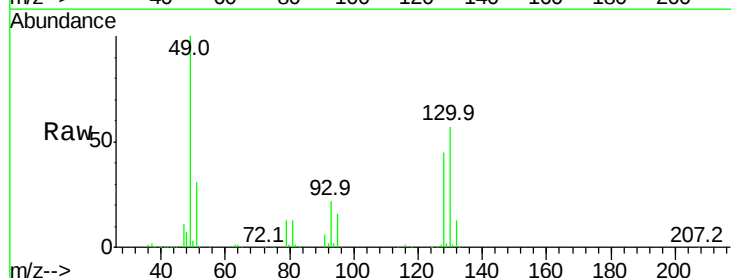
Ion Ratio Lower Upper

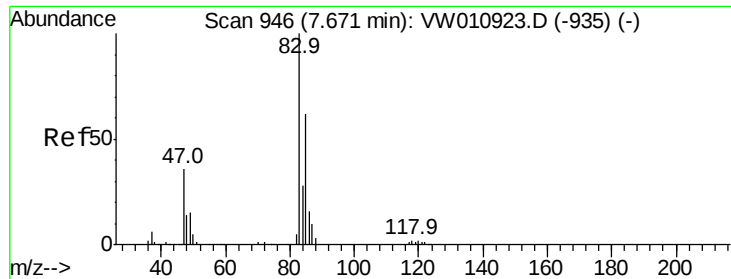
128 100

49 221.1 157.7 292.9

130 125.0 91.6 170.0

51 67.8 54.2 81.2





#25

Chloroform

Concen: 106.187 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

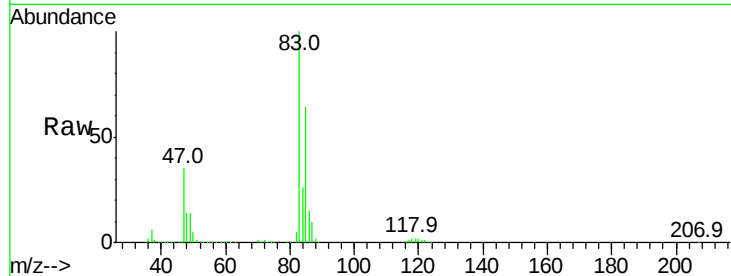
VSTD10006

Tgt Ion: 83 Resp: 1031453

Ion Ratio Lower Upper

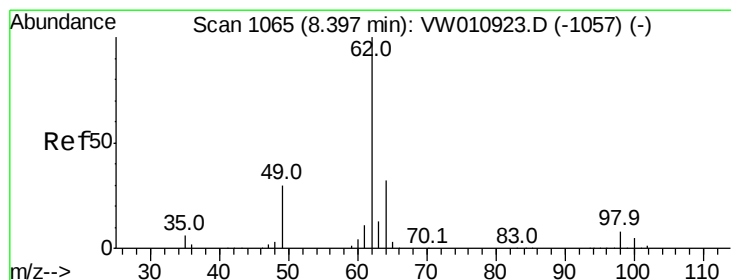
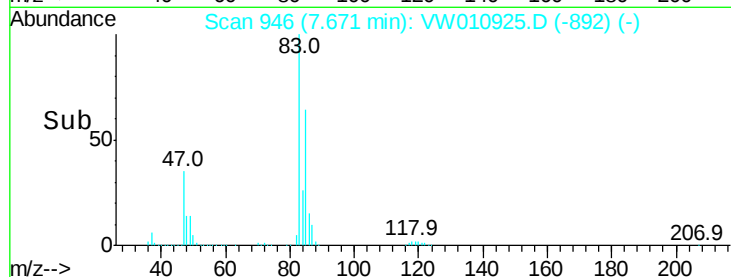
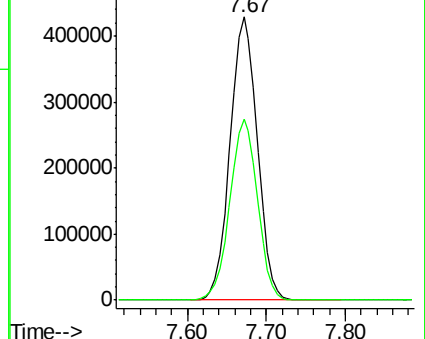
83 100

85 64.8 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 102.928 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010925.D

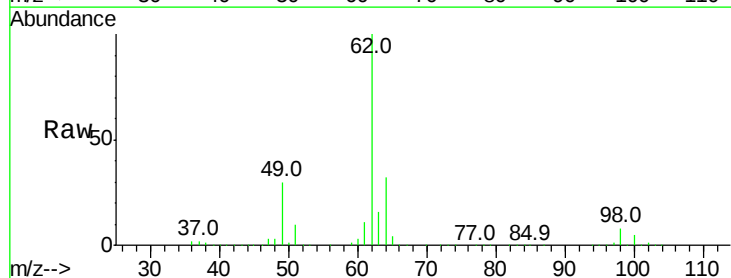
Acq: 24 Jun 2019 10:16

Tgt Ion: 62 Resp: 807752

Ion Ratio Lower Upper

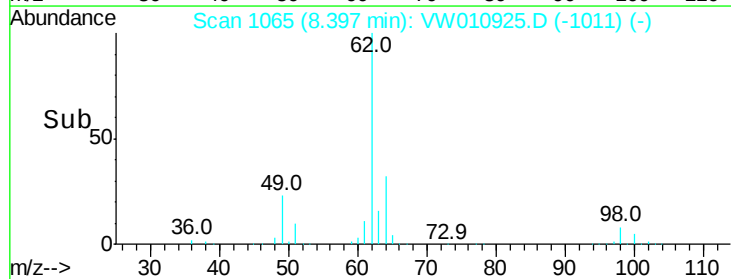
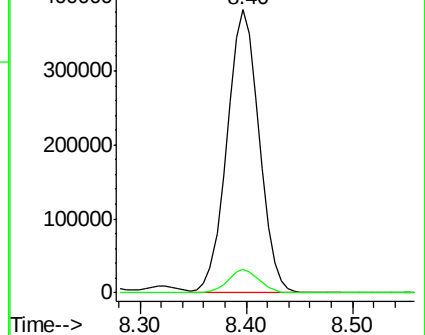
62 100

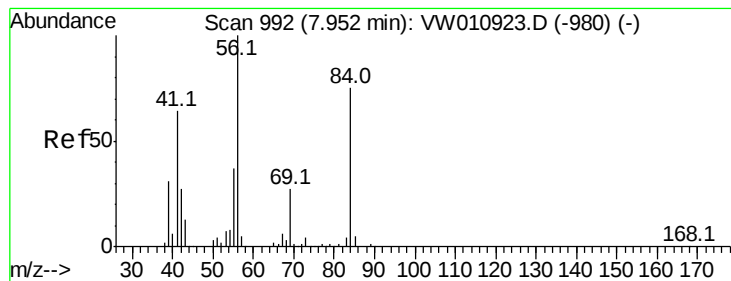
98 8.5 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 113.963 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

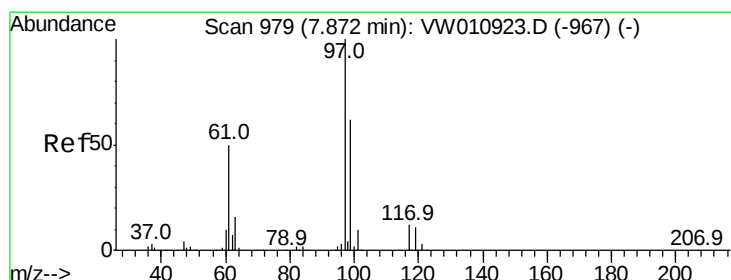
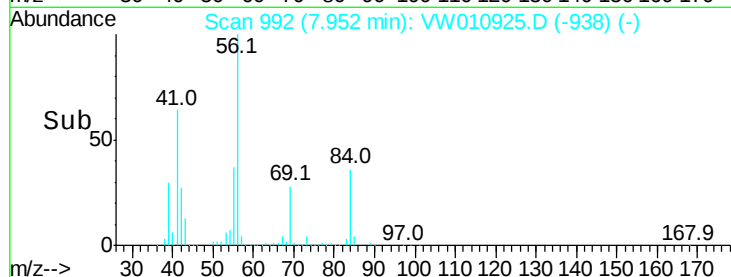
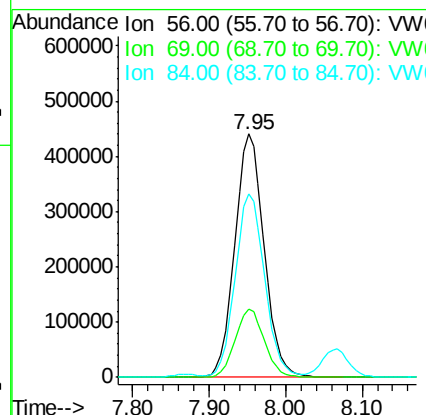
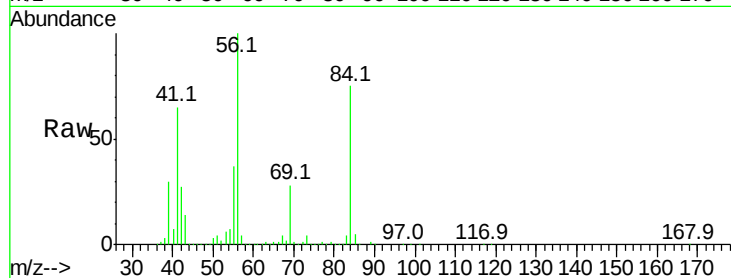
Tgt Ion: 56 Resp: 1166781

Ion Ratio Lower Upper

56 100

69 28.1 22.2 33.4

84 75.9 60.3 90.5



#31

1,1,1-Trichloroethane

Concen: 112.316 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

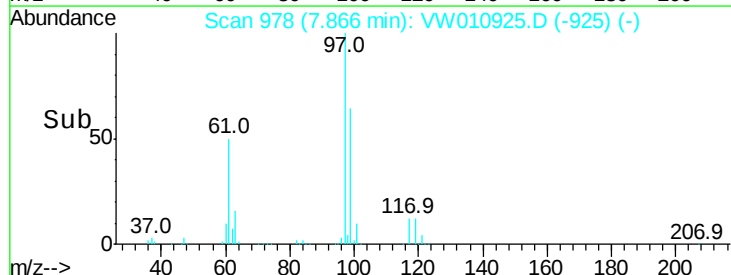
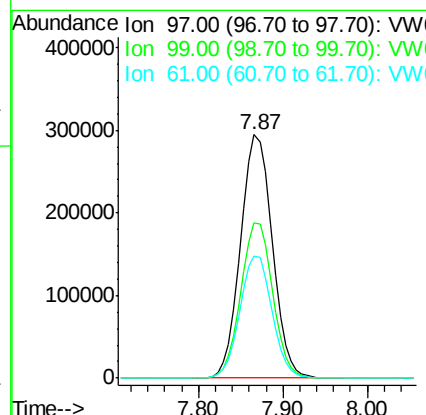
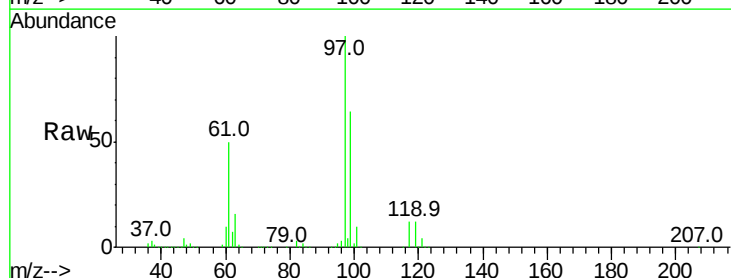
Tgt Ion: 97 Resp: 751526

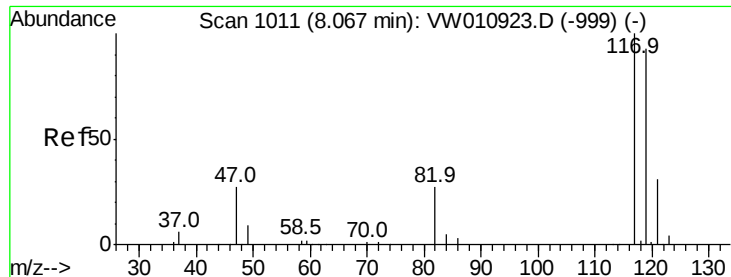
Ion Ratio Lower Upper

97 100

99 64.1 50.7 76.1

61 50.7 41.2 61.8

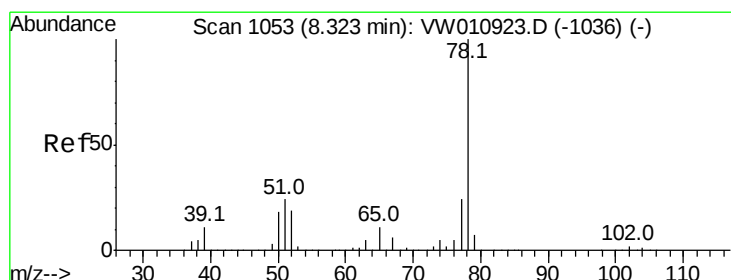
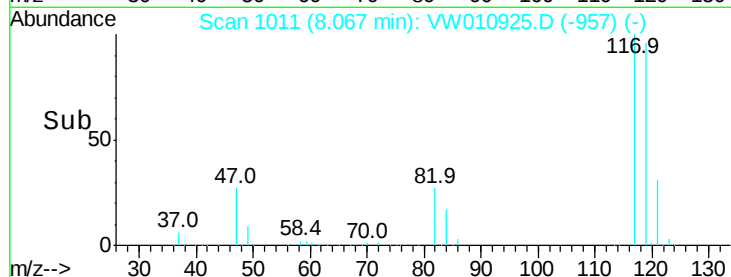
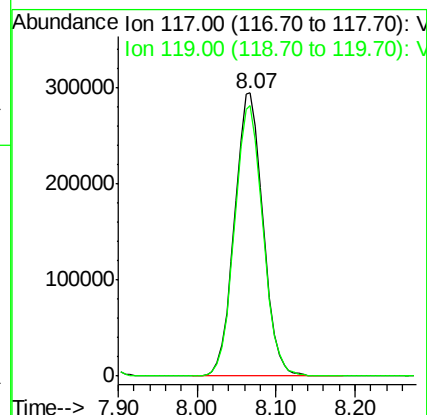
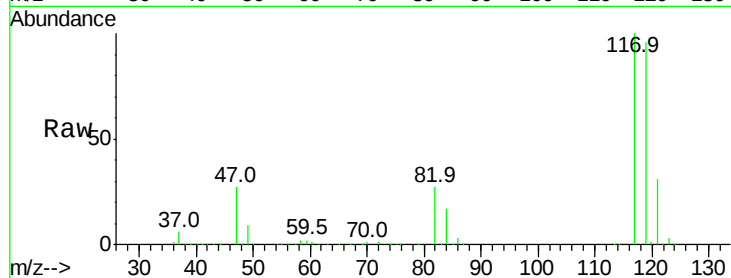




#32
Carbon tetrachloride
Concen: 119.607 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010925.D
Acq: 24 Jun 2019 10:16

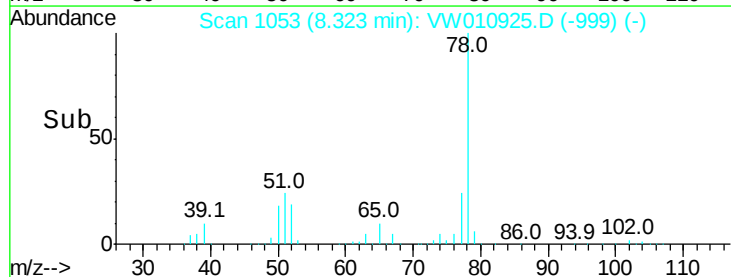
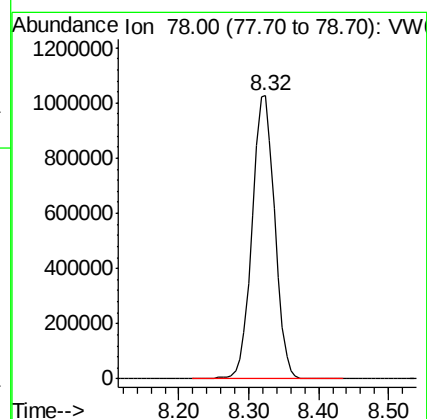
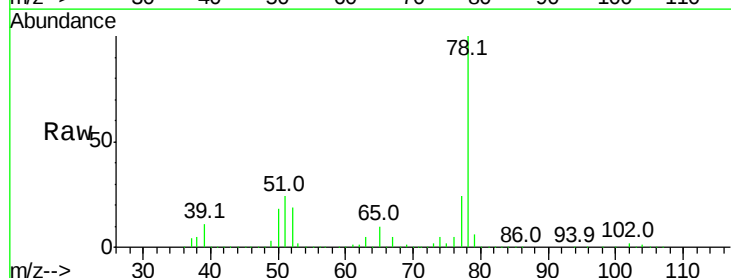
Instrument :
MSVOA_W
ClientSampleId :
VSTD10006

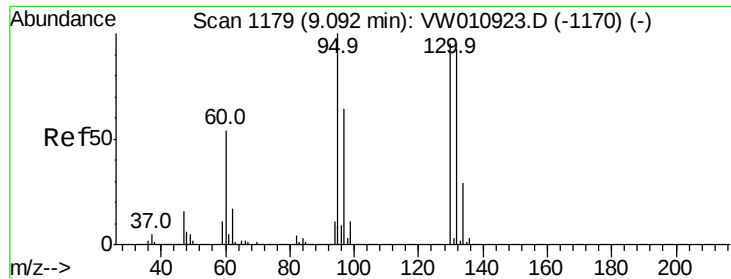
Tgt Ion:117 Resp: 739237
Ion Ratio Lower Upper
117 100
119 95.7 75.7 113.5



#34
Benzene
Concen: 104.880 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010925.D
Acq: 24 Jun 2019 10:16

Tgt Ion: 78 Resp: 2305842





#35

Trichloroethene

Concen: 107.670 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

Tgt Ion: 95 Resp: 586342

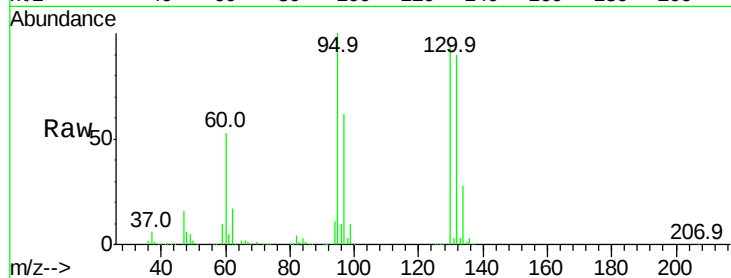
Ion Ratio Lower Upper

95 100

97 63.8 44.9 83.3

132 91.2 64.0 119.0

130 95.2 67.4 125.2

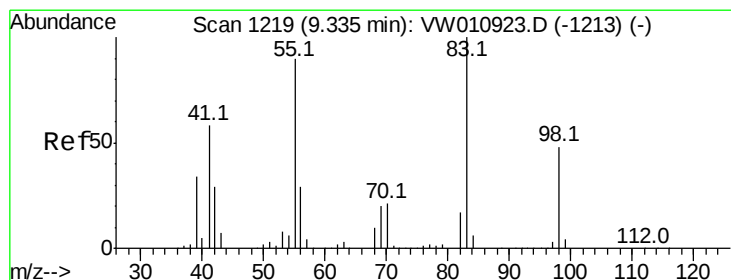
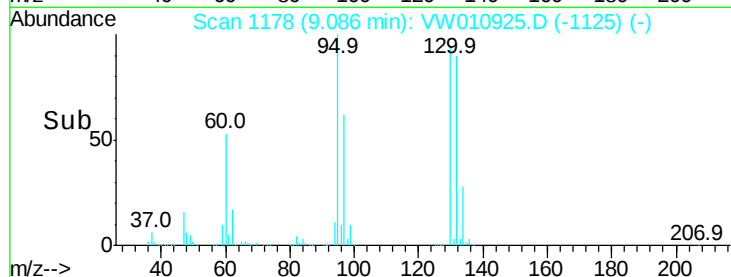
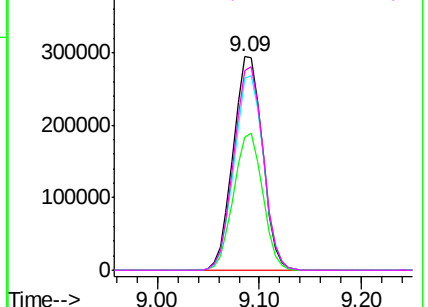


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 114.571 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

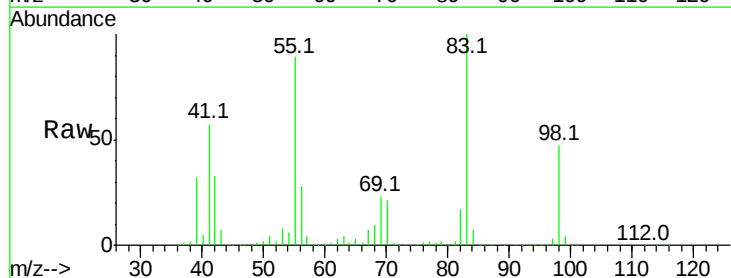
Tgt Ion: 83 Resp: 1092210

Ion Ratio Lower Upper

83 100

55 89.7 72.2 108.2

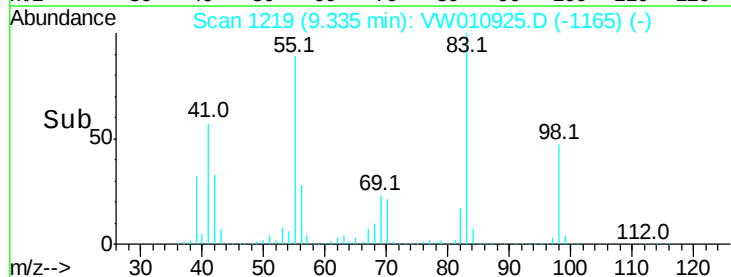
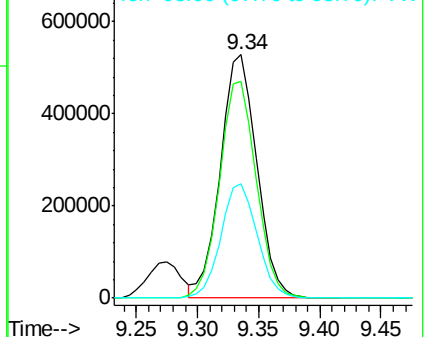
98 46.9 37.8 56.8

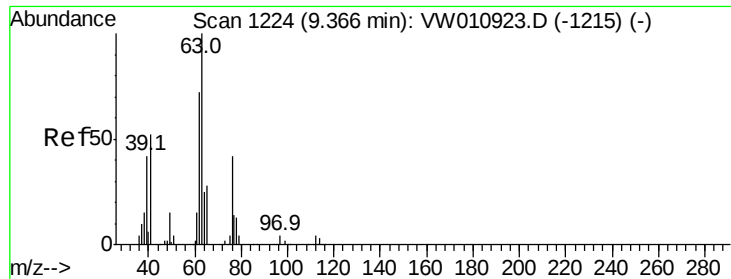


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

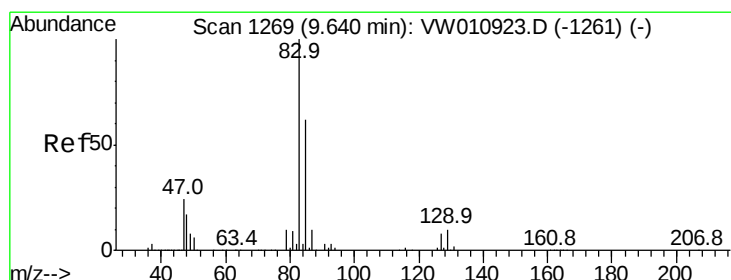
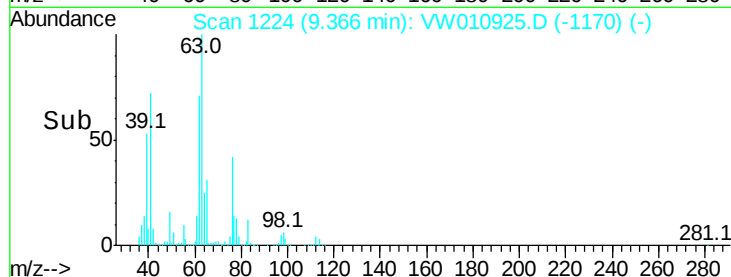
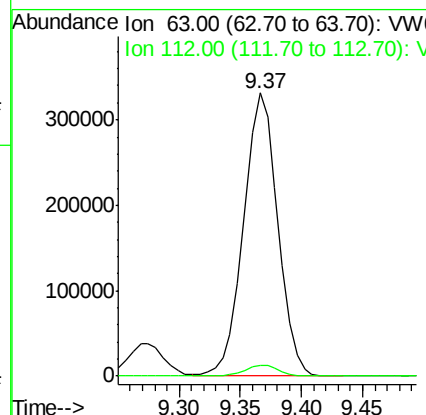
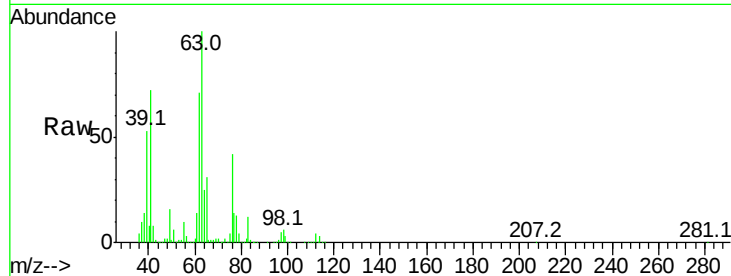




#40
 1,2-Dichloropropane
 Concen: 104.847 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010925.D
 Acq: 24 Jun 2019 10:16

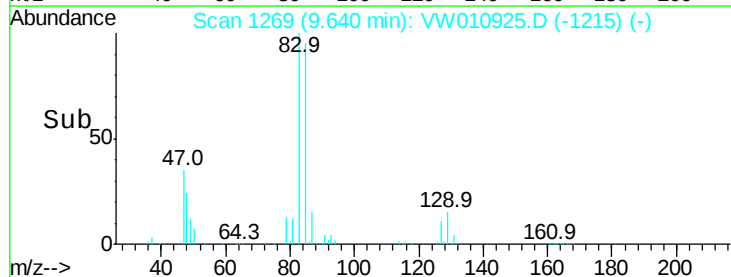
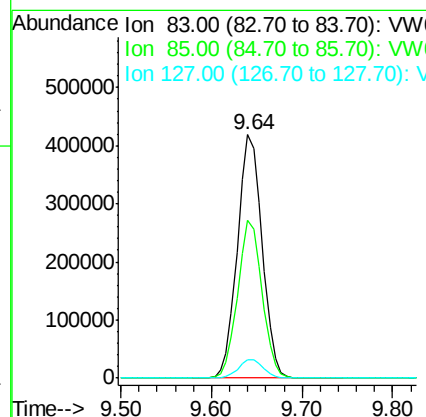
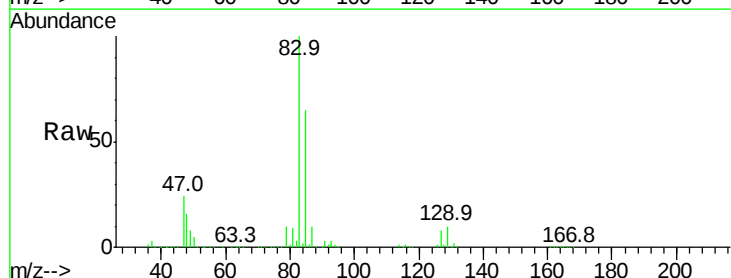
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

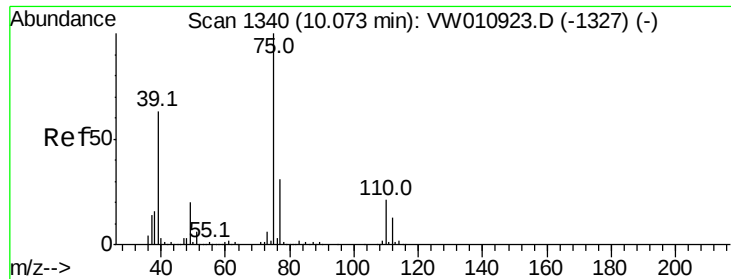
Tgt Ion: 63 Resp: 644723
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.3 4.9



#41
 Bromodichloromethane
 Concen: 111.942 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW010925.D
 Acq: 24 Jun 2019 10:16

Tgt Ion: 83 Resp: 791777
 Ion Ratio Lower Upper
 83 100
 85 64.7 43.1 80.1
 127 7.6 6.0 9.0





#42

cis-1,3-Dichloropropene

Concen: 117.124 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

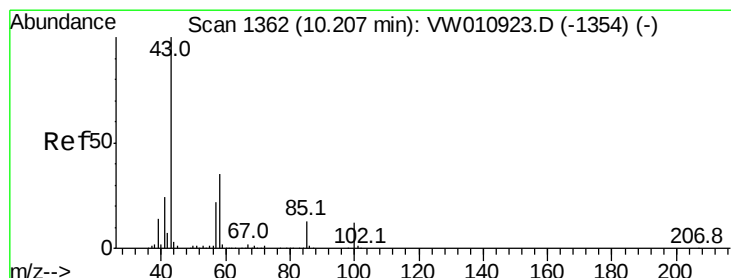
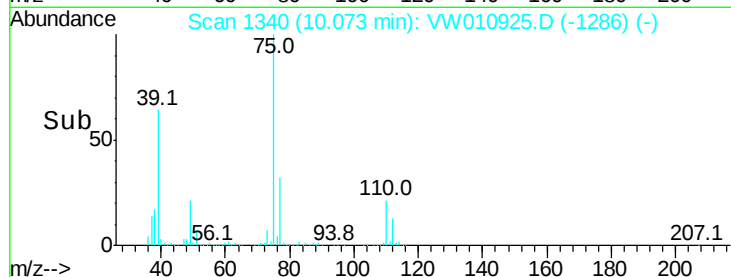
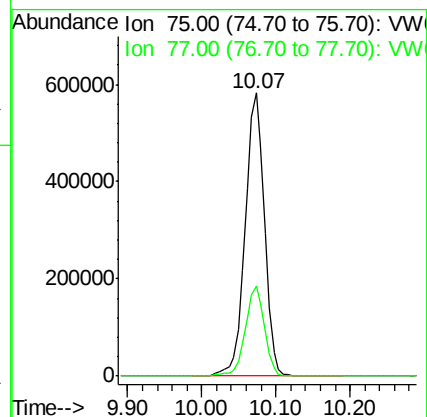
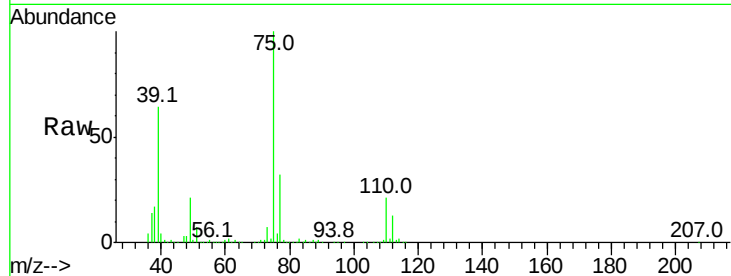
VSTD10006

Tgt Ion: 75 Resp: 1057424

Ion Ratio Lower Upper

75 100

77 31.8 21.3 39.6



#43

4-Methyl-2-pentanone

Concen: 215.308 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

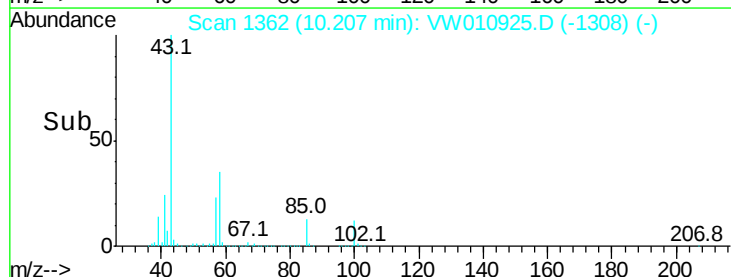
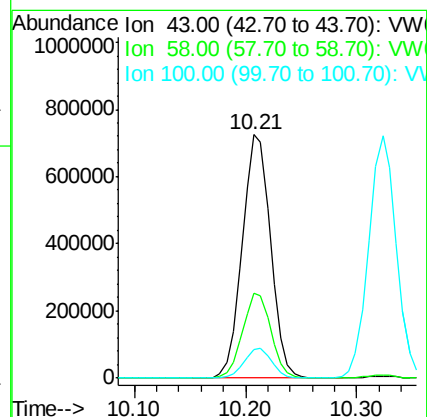
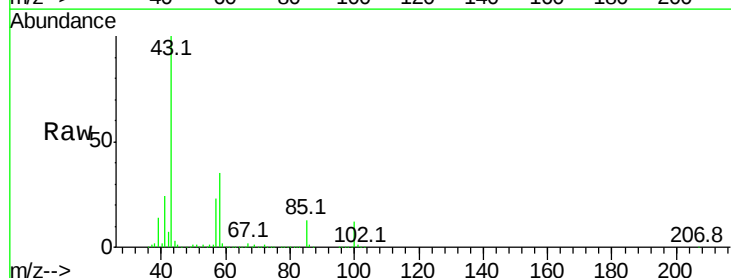
Tgt Ion: 43 Resp: 1276495

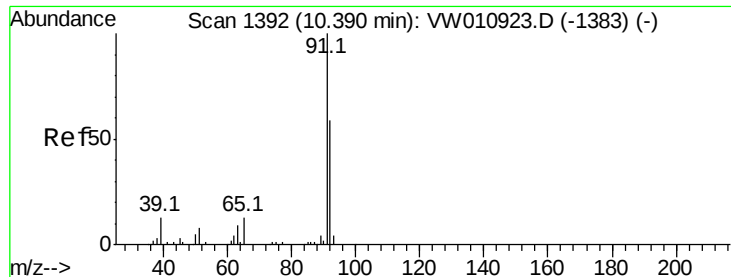
Ion Ratio Lower Upper

43 100

58 34.7 27.5 41.3

100 11.9 9.6 14.4





#44

Toluene

Concen: 106.829 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

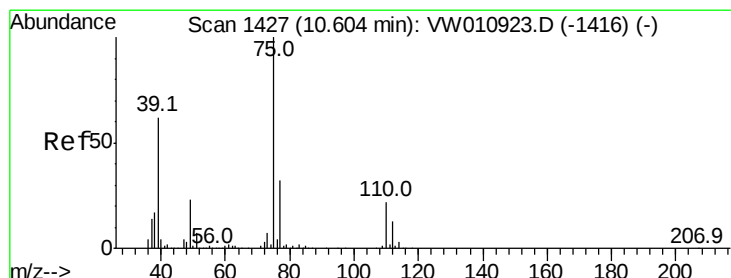
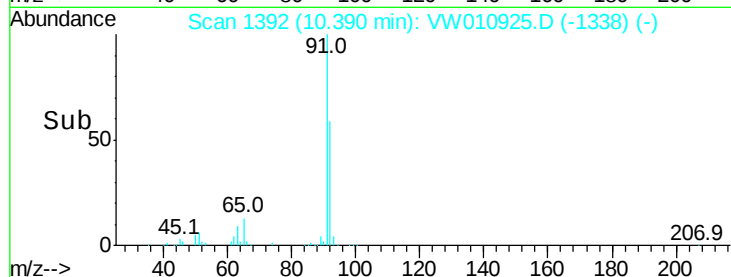
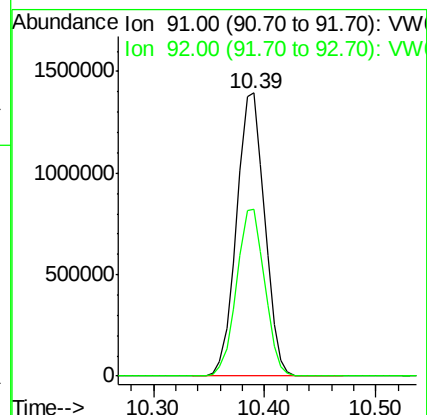
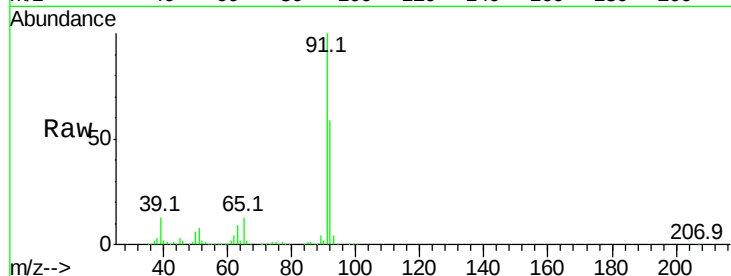
VSTD10006

Tgt Ion: 91 Resp: 2438432

Ion Ratio Lower Upper

91 100

92 59.0 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 117.686 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010925.D

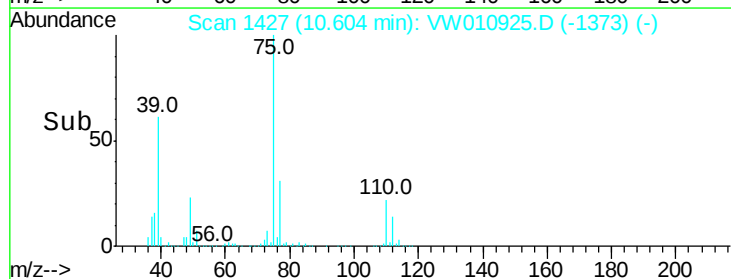
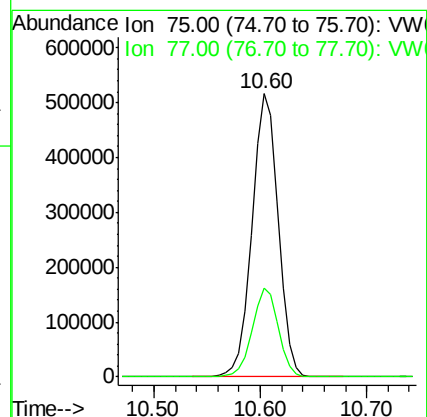
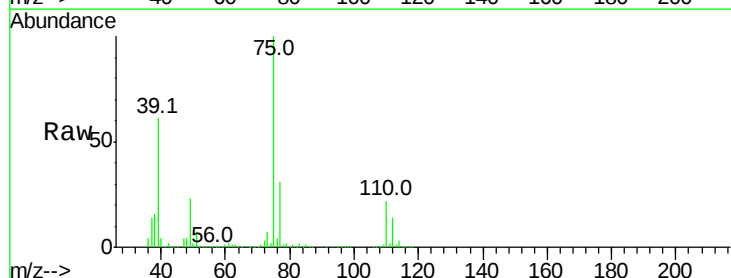
Acq: 24 Jun 2019 10:16

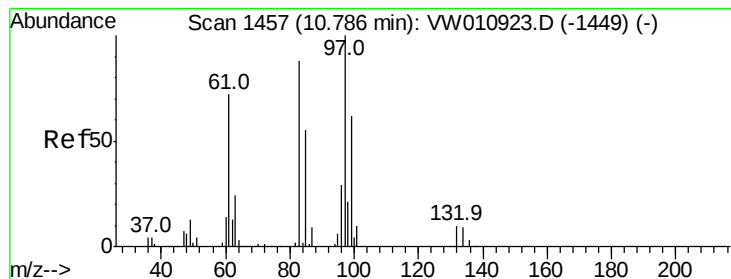
Tgt Ion: 75 Resp: 891109

Ion Ratio Lower Upper

75 100

77 31.5 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 105.784 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

Tgt Ion: 97 Resp: 455074

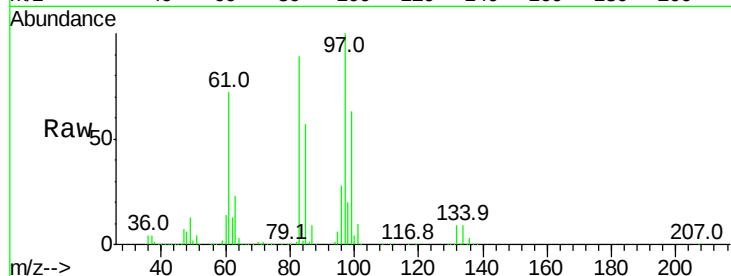
Ion Ratio Lower Upper

97 100

83 89.3 61.8 114.8

85 57.4 38.6 71.6

99 62.8 43.3 80.3

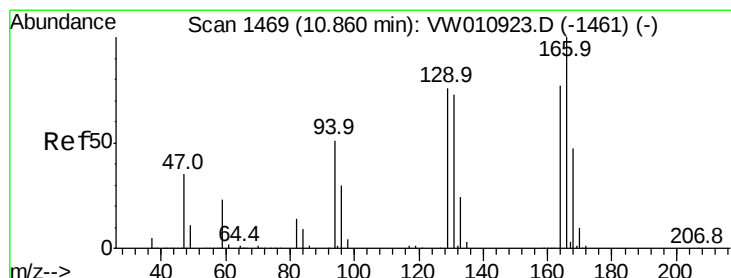
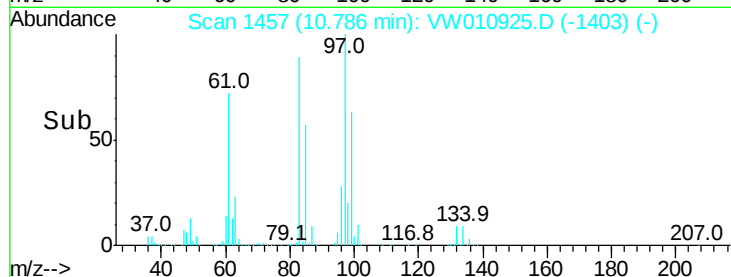
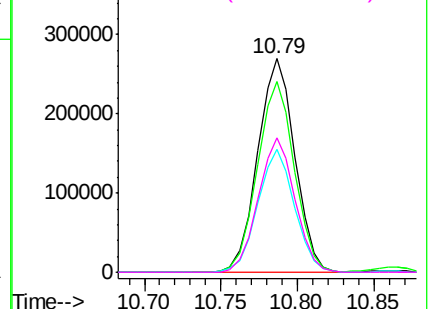


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 110.479 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

Tgt Ion: 164 Resp: 443155

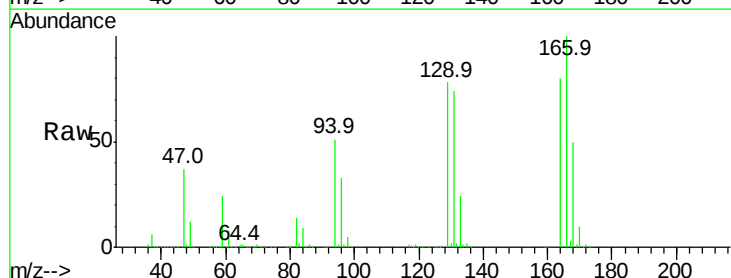
Ion Ratio Lower Upper

164 100

129 97.6 69.6 129.2

131 93.1 66.8 124.0

166 125.5 91.2 169.4

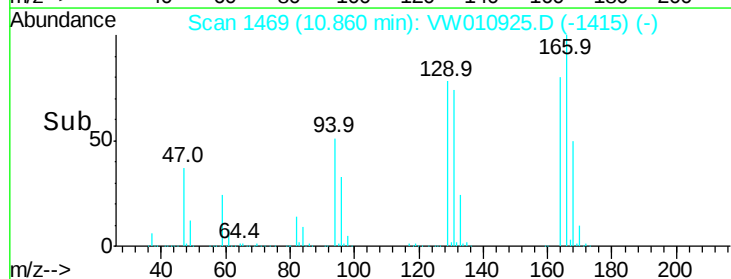
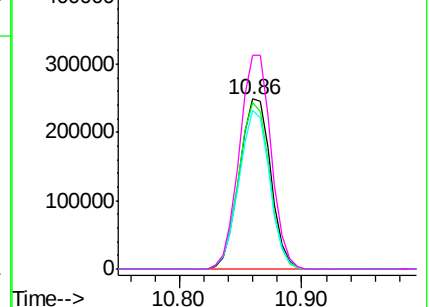


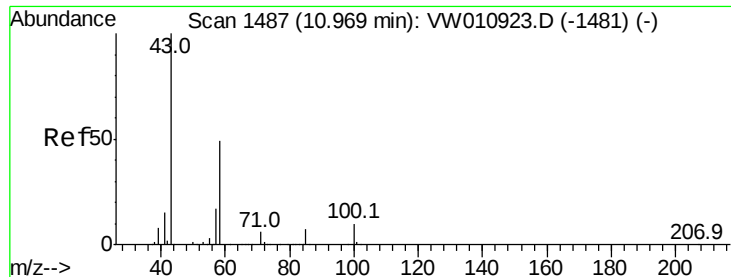
Abundance Ion 164.00 (163.70 to 164.70): V

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

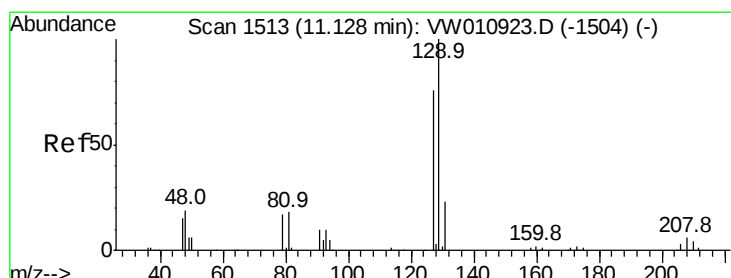
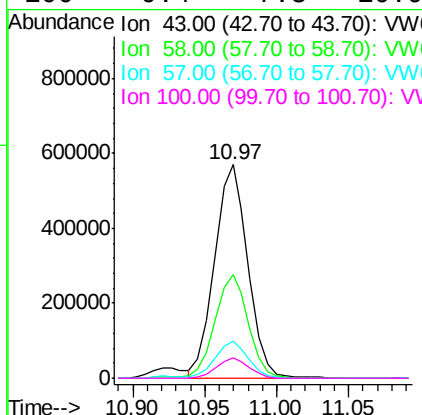
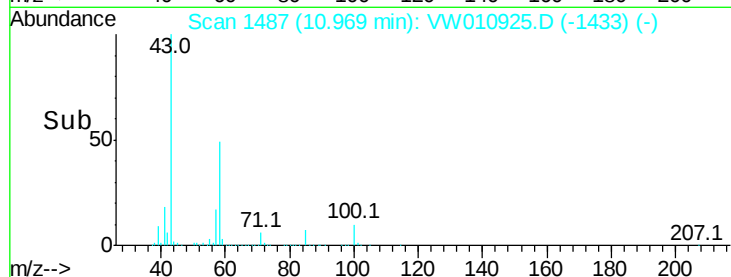
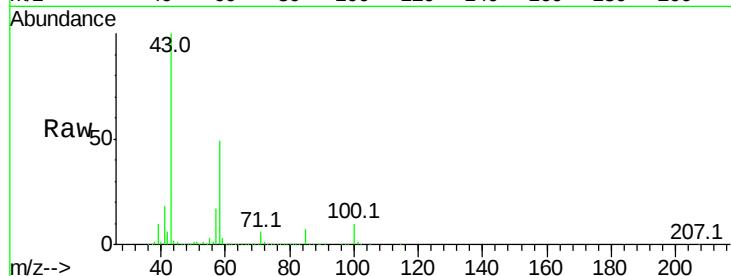




#49
2-Hexanone
Concen: 218.977 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010925.D
Acq: 24 Jun 2019 10:16

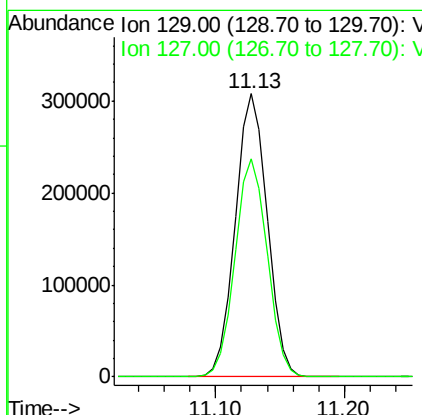
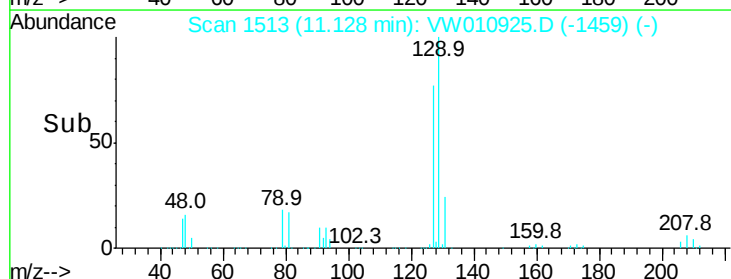
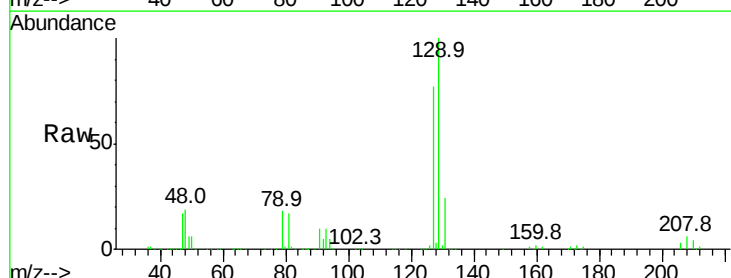
Instrument :
MSVOA_W
ClientSampleId :
VSTD10006

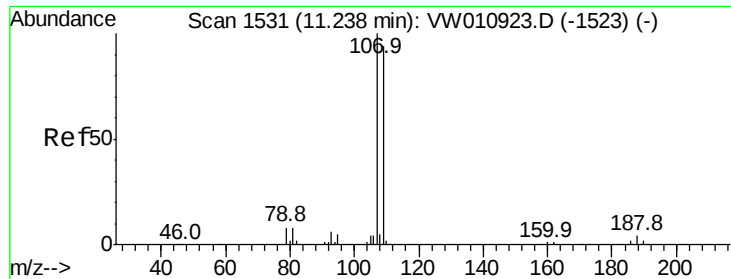
Tgt Ion: 43 Resp: 913878
Ion Ratio Lower Upper
43 100
58 48.6 38.3 57.5
57 17.4 13.8 20.8
100 9.4 7.3 10.9



#50
Dibromochloromethane
Concen: 115.718 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010925.D
Acq: 24 Jun 2019 10:16

Tgt Ion: 129 Resp: 530017
Ion Ratio Lower Upper
129 100
127 76.9 52.8 98.2

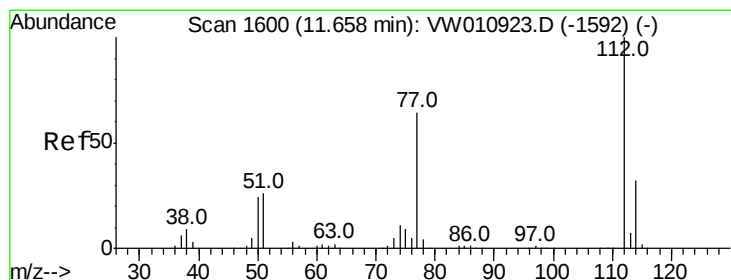
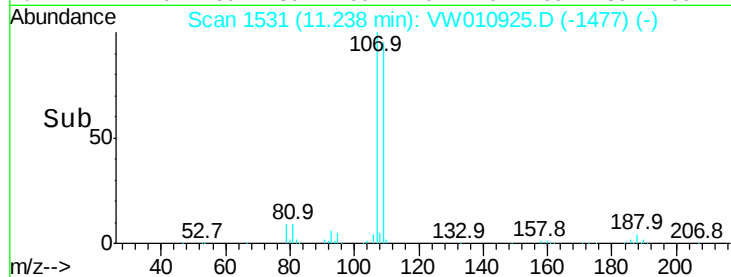
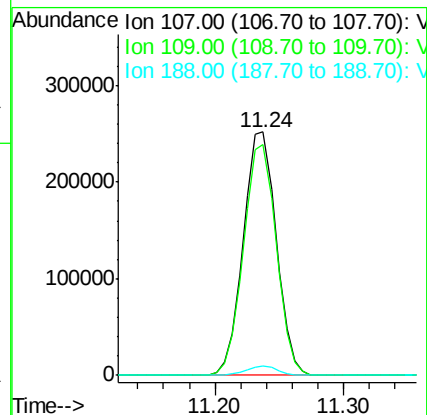
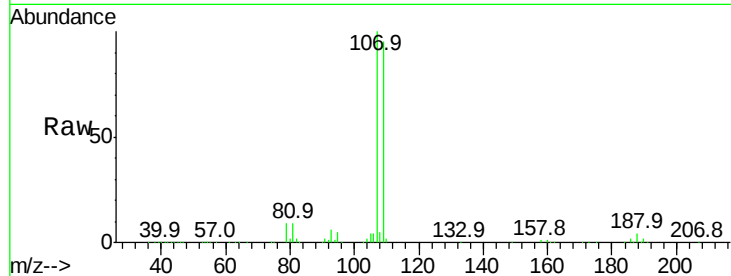




#51
 1,2-Dibromoethane
 Concen: 105.483 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010925.D
 Acq: 24 Jun 2019 10:16

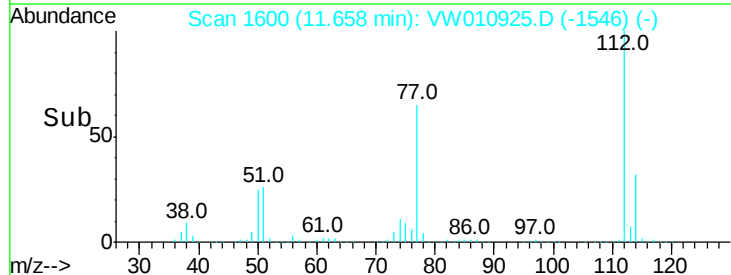
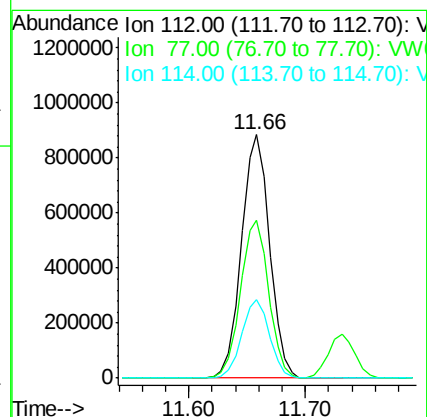
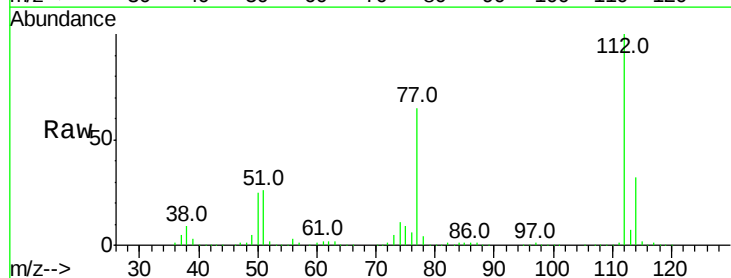
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

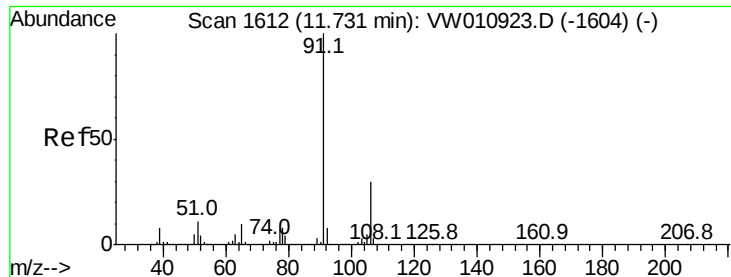
Tgt Ion:107 Resp: 446897
 Ion Ratio Lower Upper
 107 100
 109 94.8 65.5 121.7
 188 3.9 3.3 4.9



#52
 Chlorobenzene
 Concen: 105.623 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW010925.D
 Acq: 24 Jun 2019 10:16

Tgt Ion:112 Resp: 1486517
 Ion Ratio Lower Upper
 112 100
 77 64.7 51.1 76.7
 114 32.3 22.7 42.1





#53

Ethylbenzene

Concen: 108.553 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

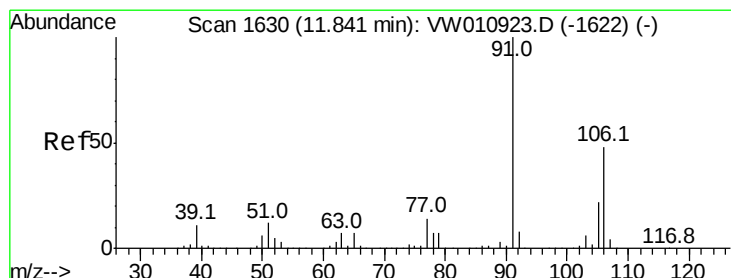
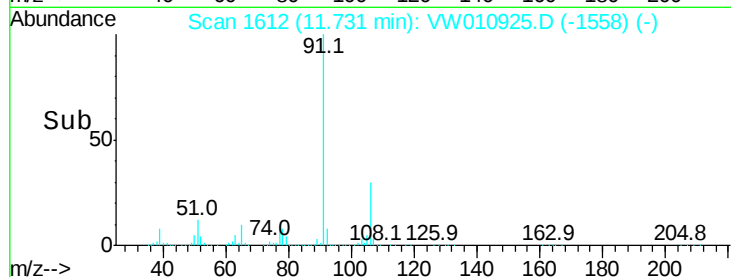
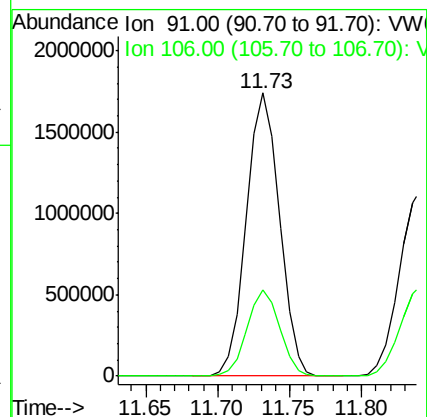
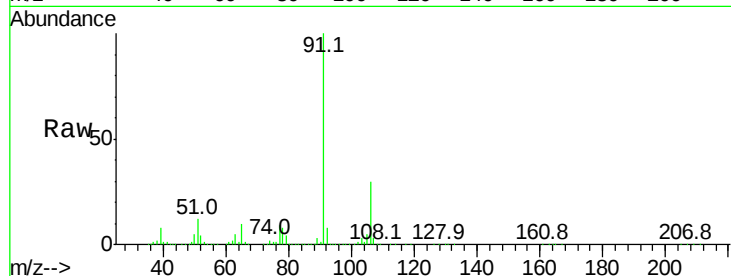
VSTD10006

Tgt Ion: 91 Resp: 2776754

Ion Ratio Lower Upper

91 100

106 30.4 20.9 38.7



#54

m,p-Xylene

Concen: 109.256 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010925.D

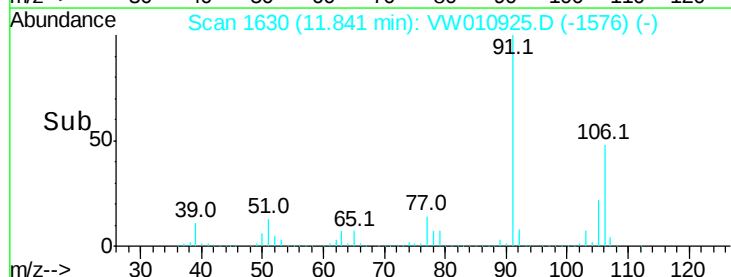
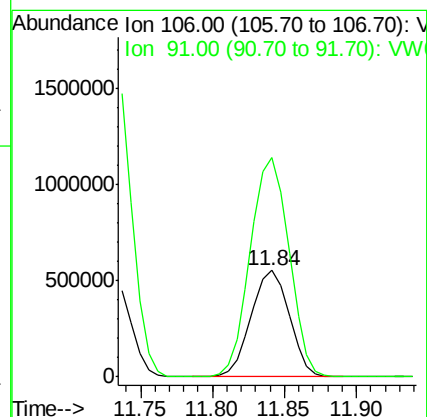
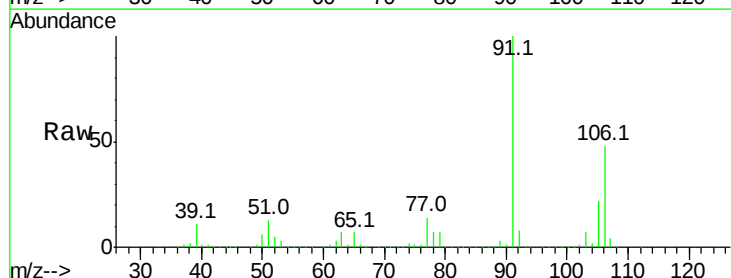
Acq: 24 Jun 2019 10:16

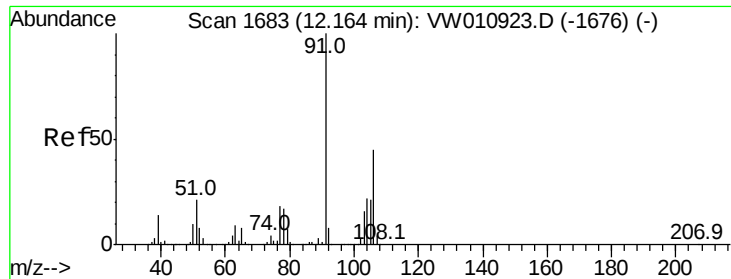
Tgt Ion: 106 Resp: 1016906

Ion Ratio Lower Upper

106 100

91 206.7 146.5 272.1

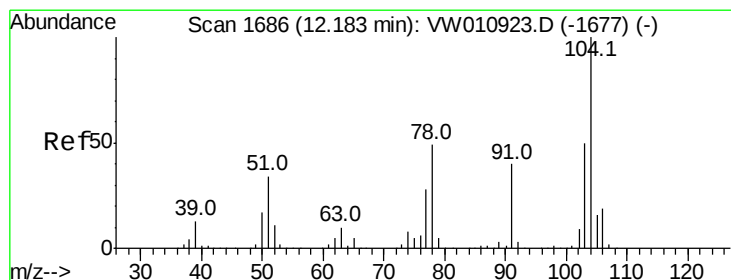
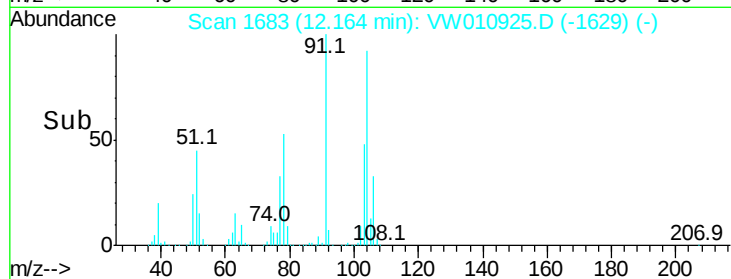
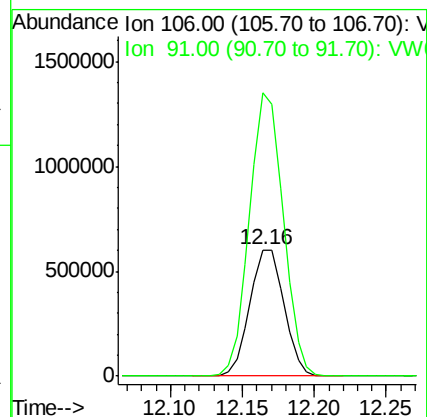
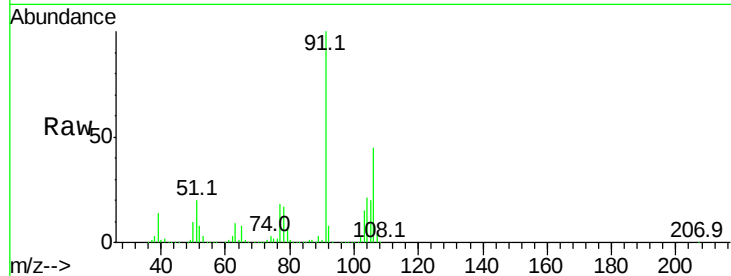




#55
o-xylene
Concen: 108.473 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010925.D
Acq: 24 Jun 2019 10:16

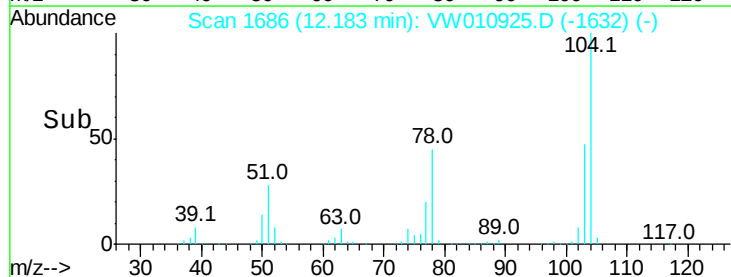
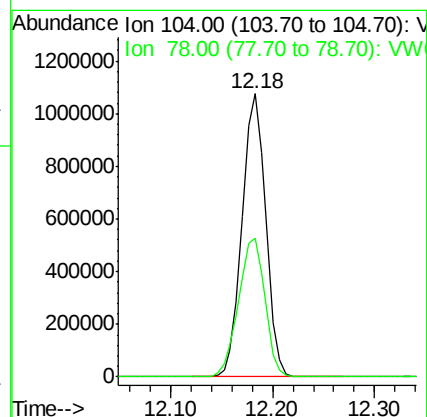
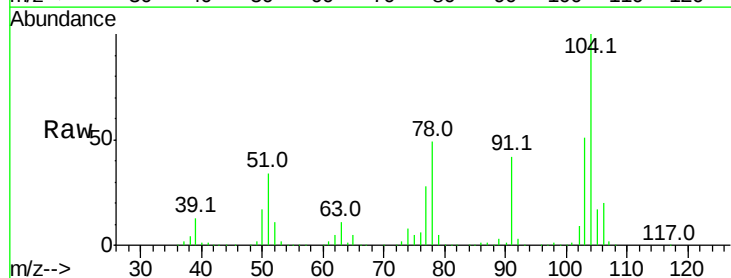
Instrument :
MSVOA_W
ClientSampled :
VSTD10006

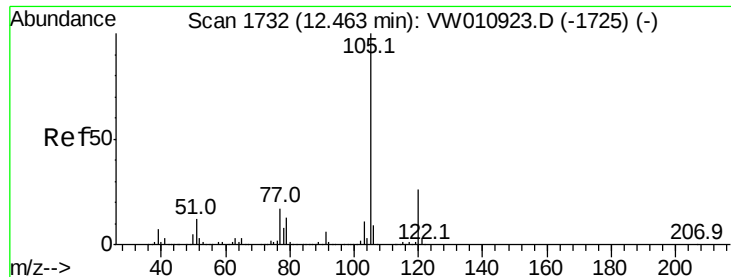
Tgt Ion:106 Resp: 992203
Ion Ratio Lower Upper
106 100
91 224.5 156.1 289.9



#56
Styrene
Concen: 109.350 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010925.D
Acq: 24 Jun 2019 10:16

Tgt Ion:104 Resp: 1717638
Ion Ratio Lower Upper
104 100
78 48.9 34.4 64.0





#57

Isopropylbenzene

Concen: 109.968 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

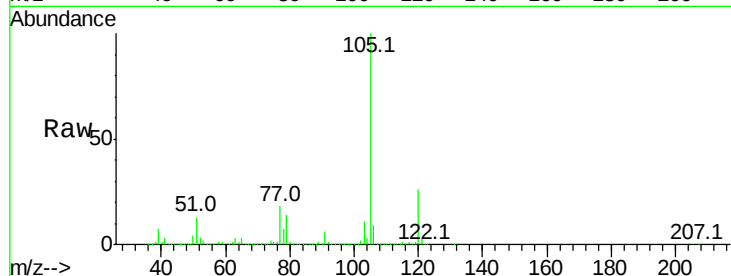
Tgt Ion:105 Resp: 2631740

Ion Ratio Lower Upper

105 100

120 26.2 20.7 31.1

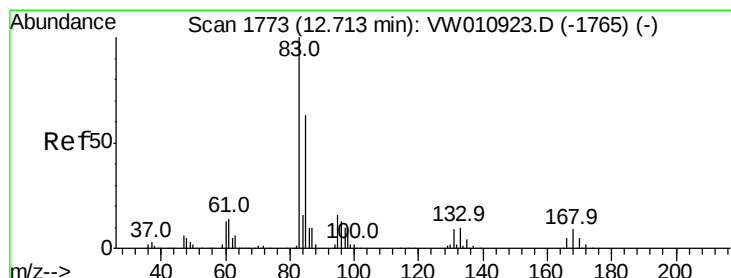
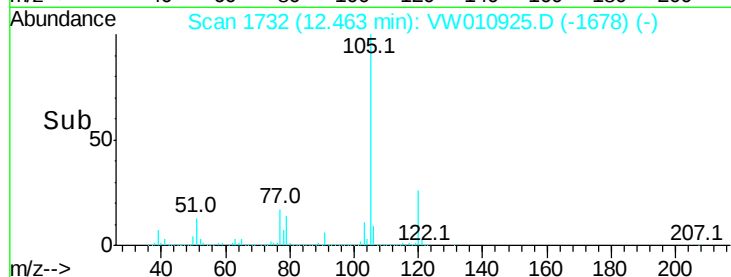
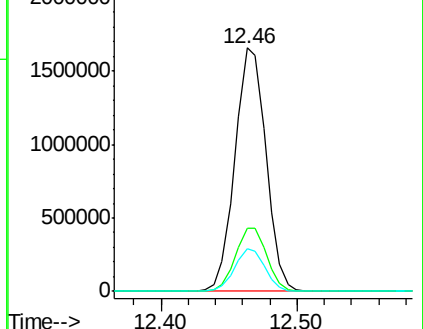
77 17.2 13.7 20.5



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: 106.587 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

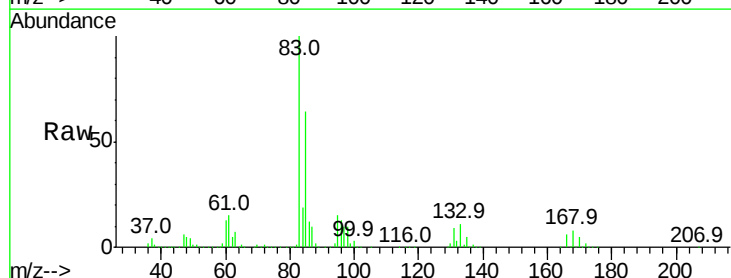
Tgt Ion: 83 Resp: 608250

Ion Ratio Lower Upper

83 100

85 64.0 44.0 81.6

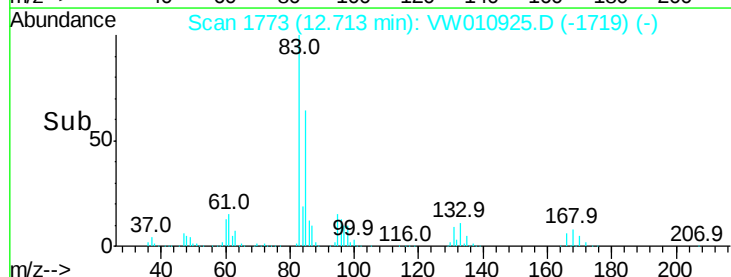
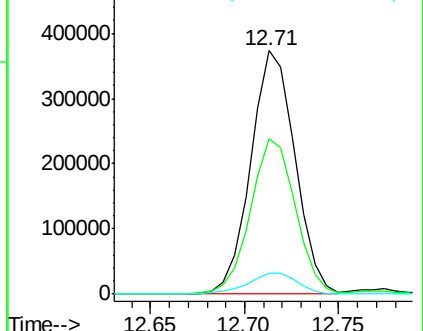
131 8.7 7.4 11.0

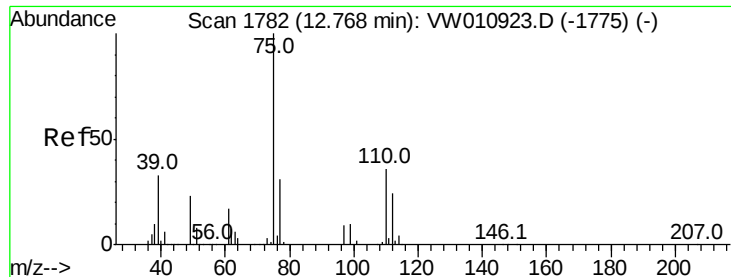


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 102.794 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

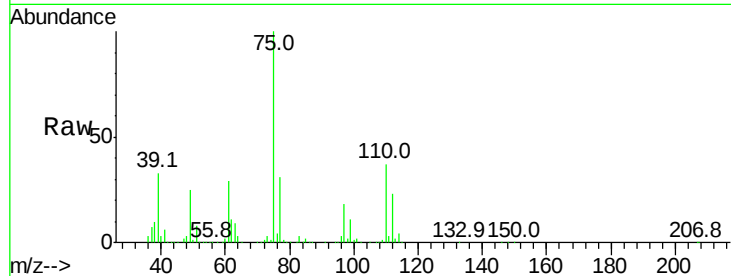
VSTD10006

Tgt Ion: 75 Resp: 465931

Ion Ratio Lower Upper

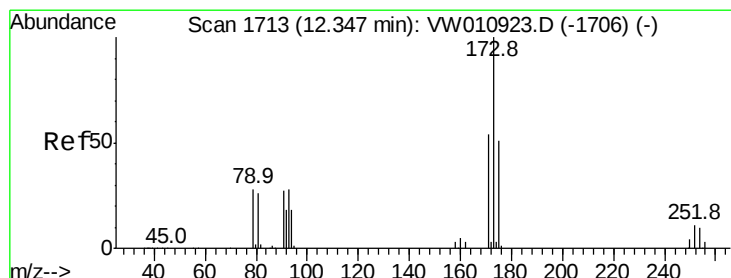
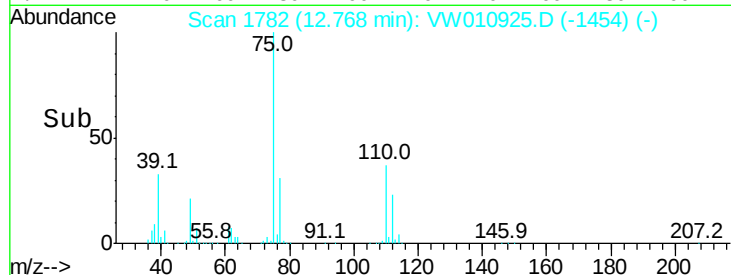
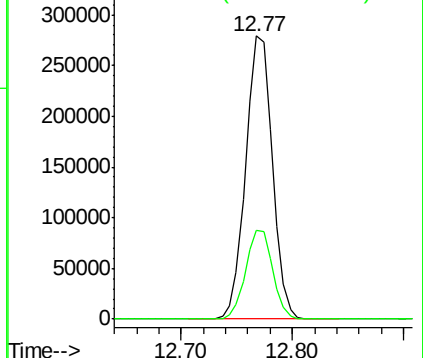
75 100

77 31.7 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 120.611 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

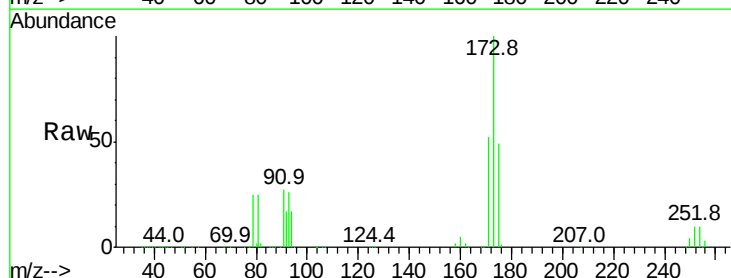
Tgt Ion: 173 Resp: 317028

Ion Ratio Lower Upper

173 100

175 48.6 40.1 60.1

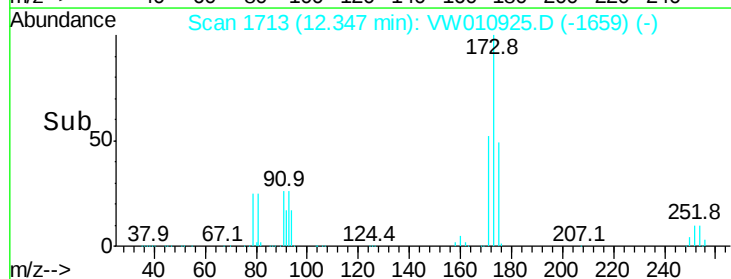
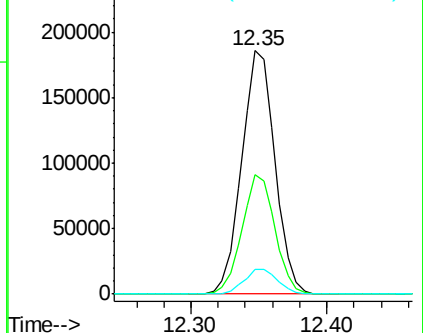
254 10.5 8.5 12.7

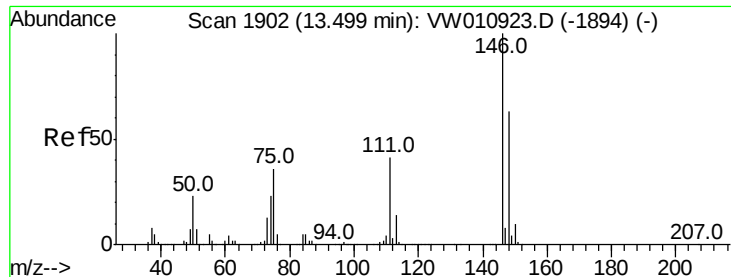


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

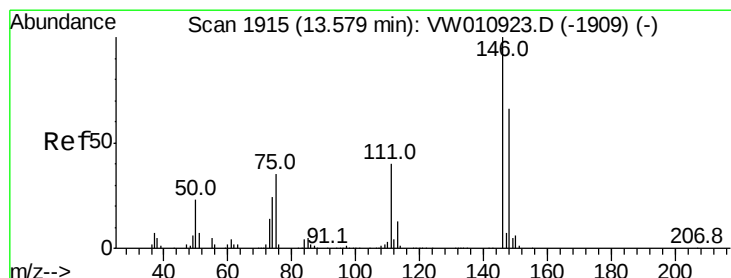
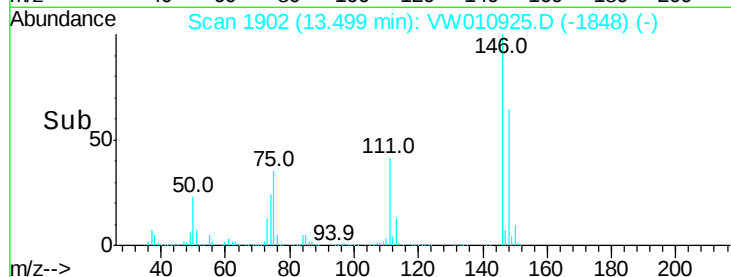
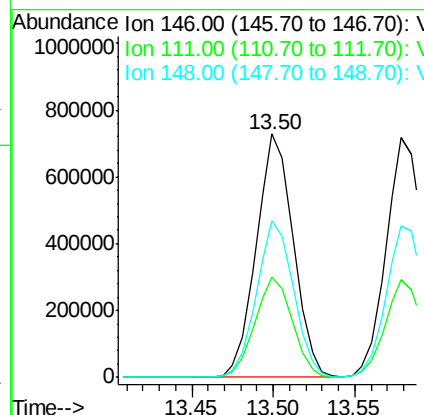
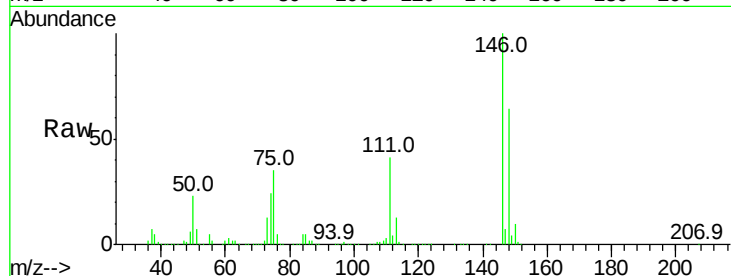




#63
 1,3-Dichlorobenzene
 Concen: 106.784 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010925.D
 Acq: 24 Jun 2019 10:16

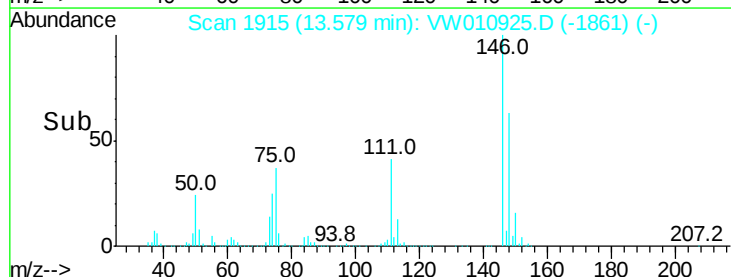
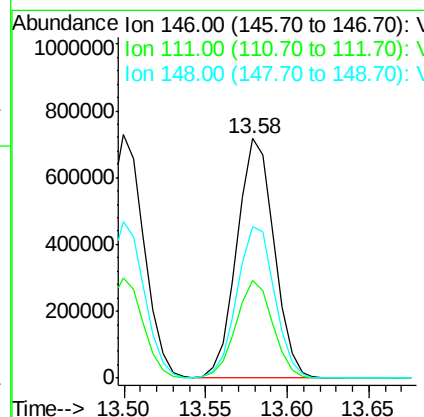
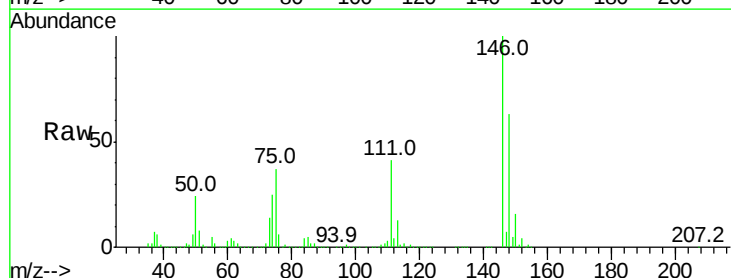
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

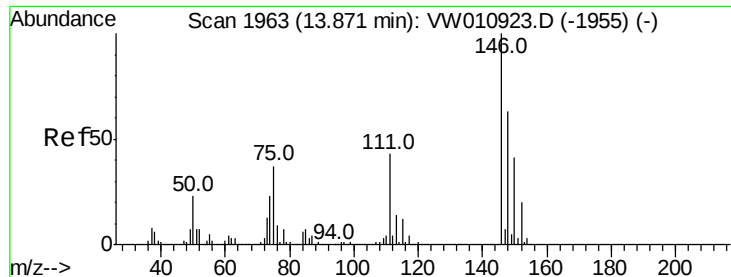
Tgt Ion:146 Resp: 1149683
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.9 53.7
 148 64.1 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 103.710 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010925.D
 Acq: 24 Jun 2019 10:16

Tgt Ion:146 Resp: 1139789
 Ion Ratio Lower Upper
 146 100
 111 40.8 27.9 51.9
 148 63.2 46.0 85.4





#65

1,2-Dichlorobenzene

Concen: 103.639 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

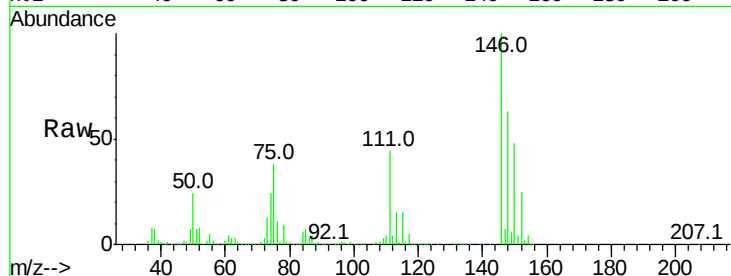
Tgt Ion:146 Resp: 1054432

Ion Ratio Lower Upper

146 100

111 44.0 34.6 51.8

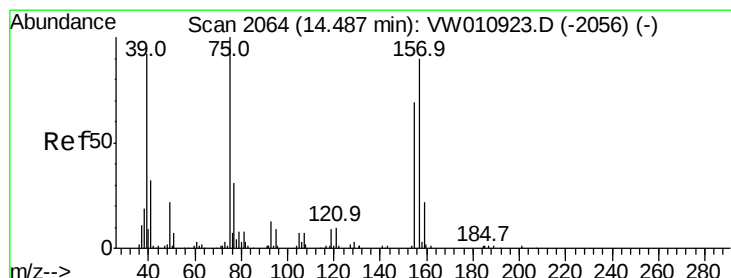
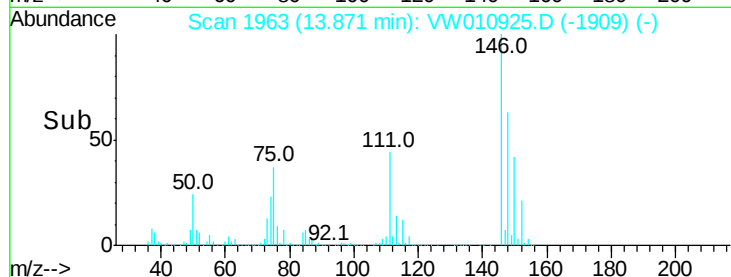
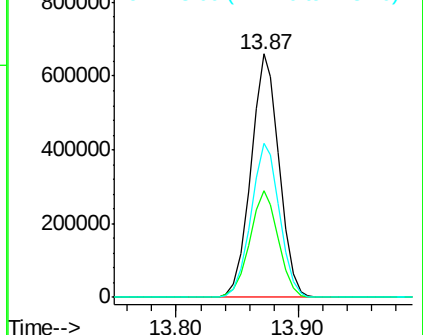
148 63.3 50.5 75.7



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



#66

1,2-Dibromo-3-chloropropane

Concen: 110.592 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

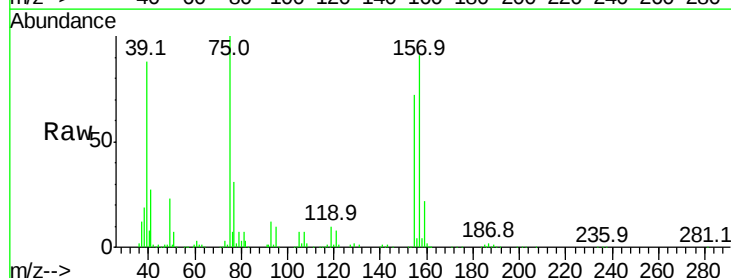
Tgt Ion: 75 Resp: 115314

Ion Ratio Lower Upper

75 100

157 91.4 71.8 107.8

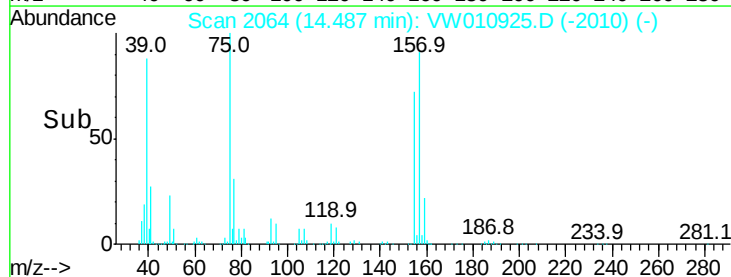
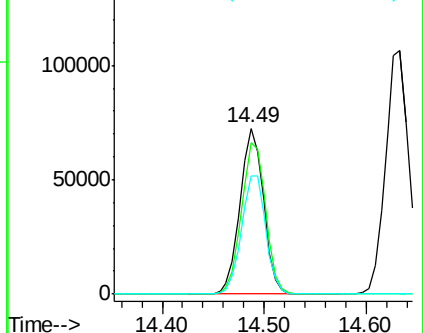
155 71.5 55.2 82.8

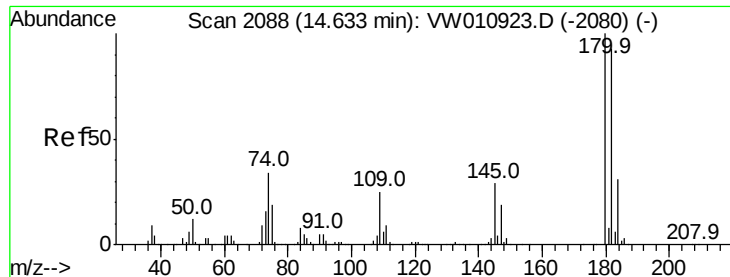


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

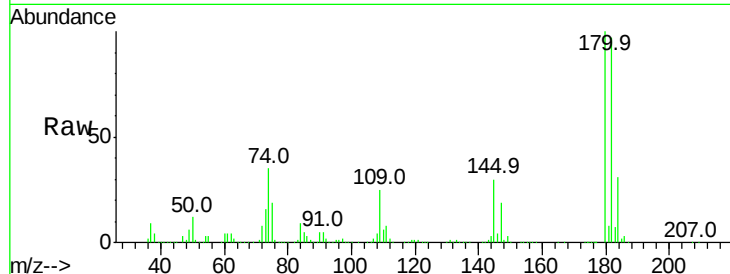




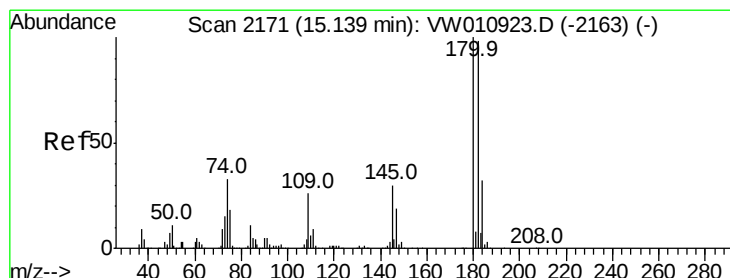
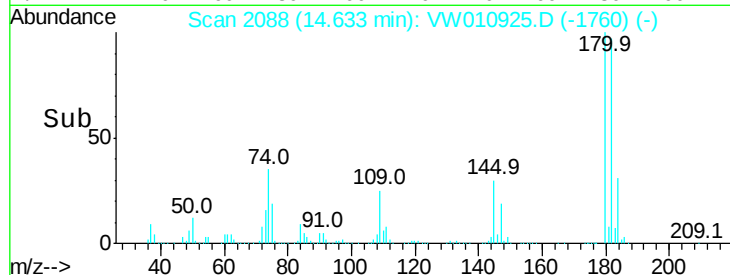
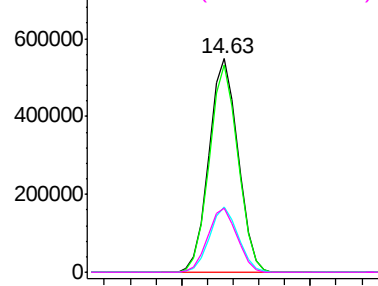
#67
 1,3,5-Trichlorobenzene
 Concen: 104.879 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010925.D
 Acq: 24 Jun 2019 10:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

Tgt Ion:180 Resp: 854829
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.2 114.2
 184 30.3 24.3 36.5
 145 30.1 24.2 36.2

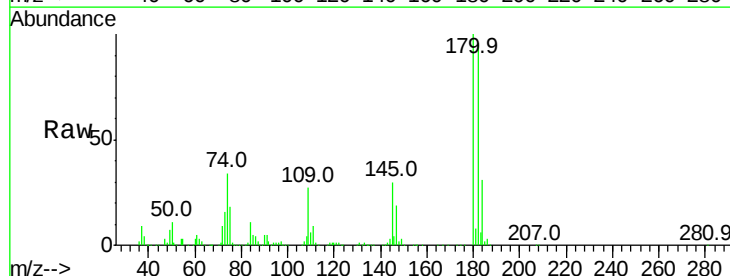


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

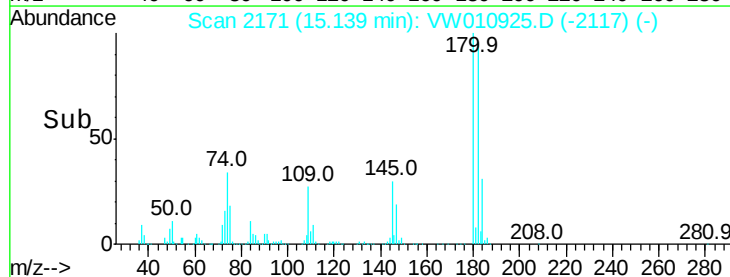
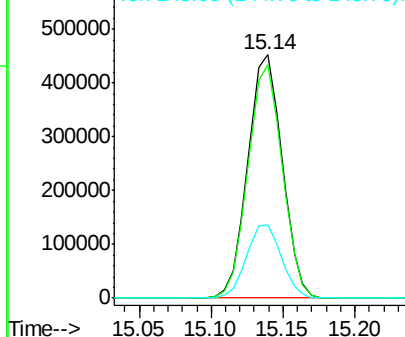


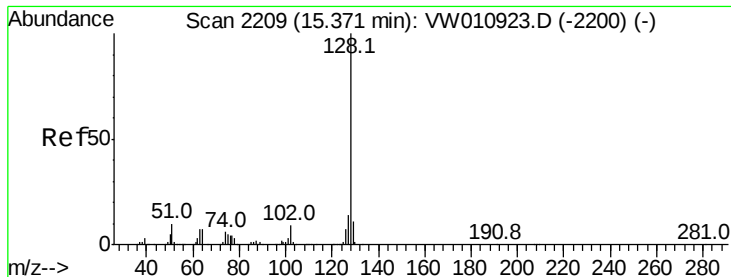
#68
 1,2,4-trichlorobenzene
 Concen: 105.571 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010925.D
 Acq: 24 Jun 2019 10:16

Tgt Ion:180 Resp: 748064
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.1 114.1
 145 30.6 24.2 36.4



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: 106.183 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

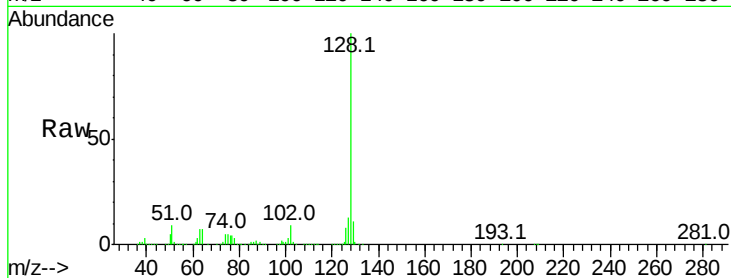
Tgt Ion:128 Resp: 1689879

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

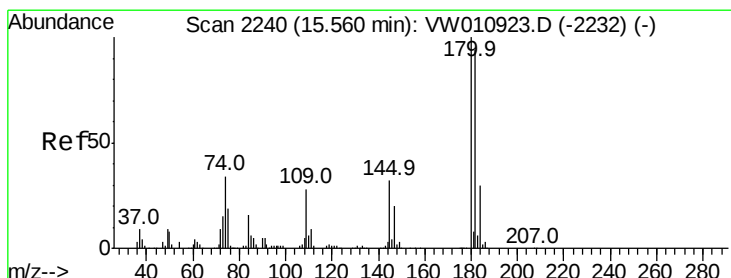
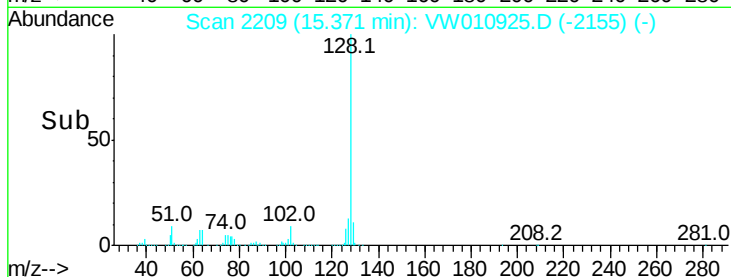
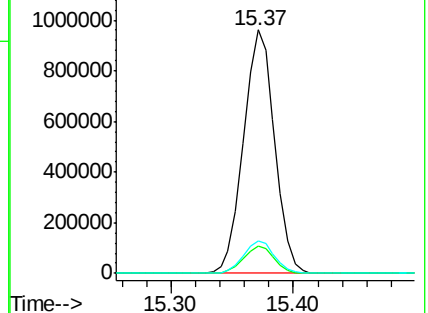
127 13.3 10.9 16.3



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: 102.818 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010925.D

Acq: 24 Jun 2019 10:16

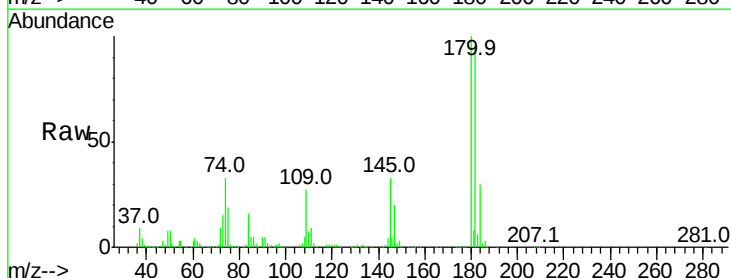
Tgt Ion:180 Resp: 677167

Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

145 32.1 25.6 38.4



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

