

Data File : VW015026.D
Acq On : 24 Feb 2020 11:27
Operator : SY/VA
Sample : VSTD05030
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

Quant Time: Feb 24 11:52:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
Quant Title : VOC Analysis
QLast Update : Mon Feb 24 11:37:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	736106	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	677334	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	300674	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	854440	70.12	ug/L	0.00
7) Chloroethane-d5	2.89	69	618476	63.39	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	1430275	64.24	ug/L	0.00
20) 2-Butanone-d5	7.07	46	285727	83.55	ug/L	0.00
24) Chloroform-d	7.65	84	1135320	54.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	607744	52.55	ug/L	0.00
29) Benzene-d6	8.27	84	2298582	52.77	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	753765	53.10	ug/L	0.00
37) Toluene-d8	10.32	98	2023788	52.79	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	282793	50.45	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	213463	82.50	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	455153	42.58	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	525070	45.03	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	345338	45.633	ug/L	94
3) Chloromethane	2.21	50	676007	58.951	ug/L	99
5) Vinyl chloride	2.37	62	925551	61.816	ug/L	99
6) Bromomethane	2.78	94	410068	54.771	ug/L	99
8) Chloroethane	2.93	64	513931	62.734	ug/L	97
9) Trichlorofluoromethane	3.26	101	447339	73.909	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	595730	55.758	ug/L	100
12) 1,1-Dichloroethene	4.04	96	588553	56.364	ug/L	80
13) Acetone	4.12	43	336459	95.311	ug/L	99
14) Carbon disulfide	4.38	76	2098146	66.921	ug/L	99
15) Methyl Acetate	4.67	43	289708	49.872	ug/L	99
16) Methylene chloride	4.92	84	619516	46.196	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	711749	52.174	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	601661	56.868	ug/L	96
19) 1,1-Dichloroethane	6.21	63	1290947	60.229	ug/L	99
21) 2-Butanone	7.16	43	429598	103.941	ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	621653	54.324	ug/L	94
23) Bromochloromethane	7.51	128	224285	47.770	ug/L	98
25) Chloroform	7.67	83	1139519	57.876	ug/L	99
27) 1,2-Dichloroethane	8.40	62	771404	56.828	ug/L	99
30) Cyclohexane	7.95	56	1364990	67.635	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	896168	58.026	ug/L	100
32) Carbon tetrachloride	8.07	117	808385	58.229	ug/L	99
34) Benzene	8.32	78	2670920	57.345	ug/L	100
35) Trichloroethene	9.09	95	634835	54.986	ug/L	99
36) Methylcyclohexane	9.34	83	1204132	59.873	ug/L	99
40) 1,2-Dichloropropane	9.37	63	716281	57.467	ug/L	100
41) Bromodichloromethane	9.64	83	804582	56.324	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	1030389	58.217	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	822974	100.693	ug/L	100

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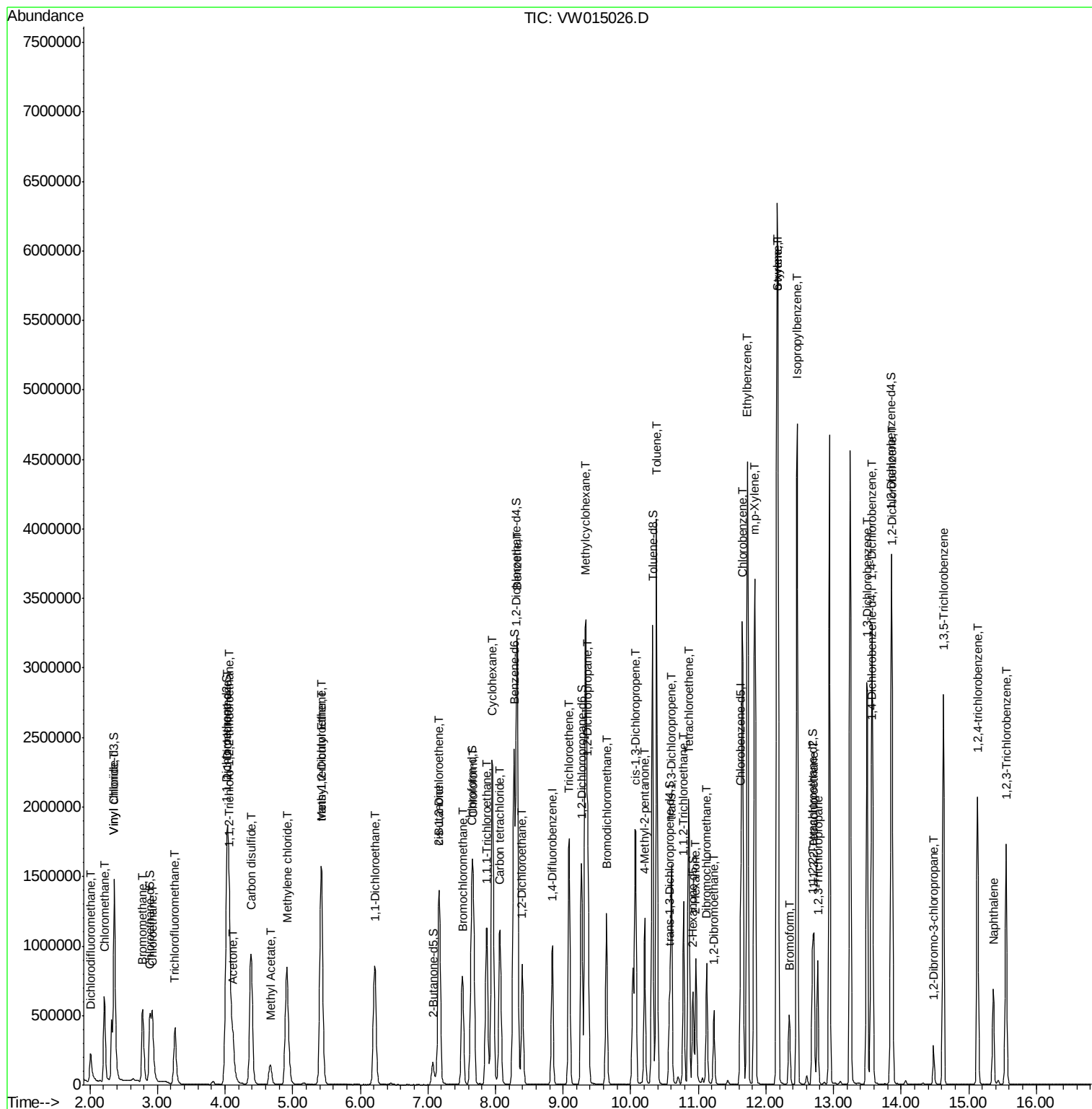
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	2708803	57.288	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	809428	56.791	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	389177	47.430	ug/L	99
47) Tetrachloroethene	10.86	164	417992	49.272	ug/L	94
49) 2-Hexanone	10.96	43	608745	106.036	ug/L	99
50) Dibromochloromethane	11.13	129	428507	48.591	ug/L	98
51) 1,2-Dibromoethane	11.23	107	347461	45.512	ug/L	94
52) Chlorobenzene	11.65	112	1499308	51.862	ug/L	98
53) Ethylbenzene	11.73	91	3022734	58.435	ug/L	100
54) m,p-Xylene	11.83	106	1070806	56.672	ug/L	98
55) o-xylene	12.16	106	1014058	56.390	ug/L	97
56) Styrene	12.18	104	1724529	56.742	ug/L	97
57) Isopropylbenzene	12.46	105	2773182	57.422	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	480237	46.890	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	366369	47.548	ug/L	100
62) Bromoform	12.35	173	204619	44.642	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	1035624	50.990	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1033440	50.513	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	923310	49.701	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	75571	47.710	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	715609	49.195	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	571651	49.739	ug/L	99
69) Naphthalene	15.36	128	524585	23.204	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	502456	47.348	ug/L	99

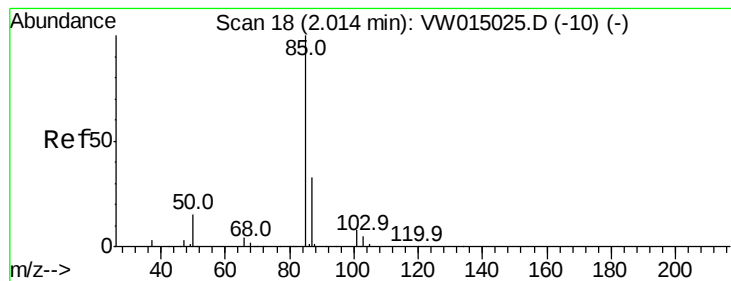
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 45.633 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

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Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampleId :

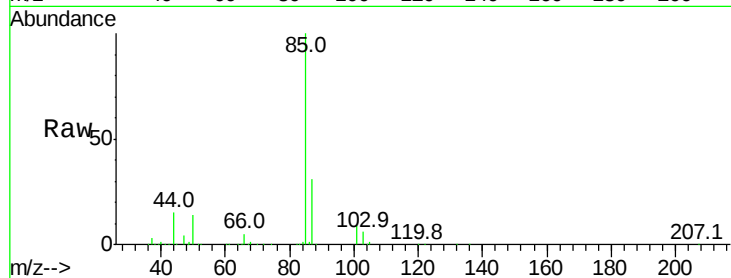
VSTD05004

Tgt Ion: 85 Resp: 345338

Ion Ratio Lower Upper

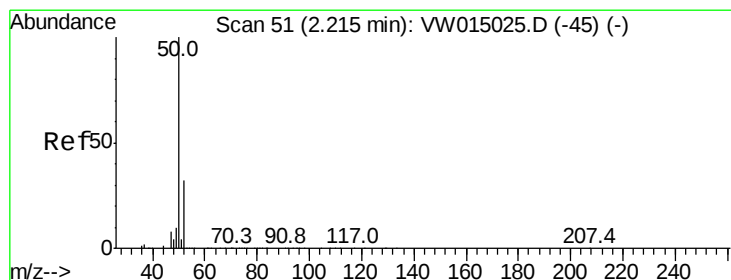
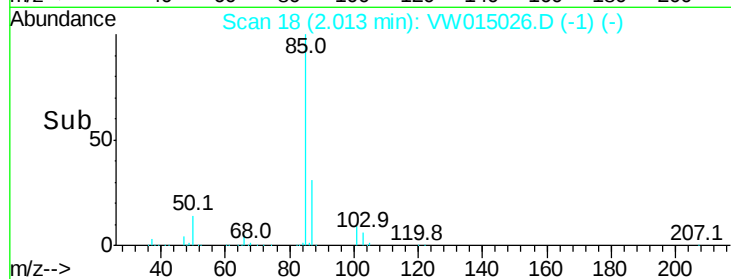
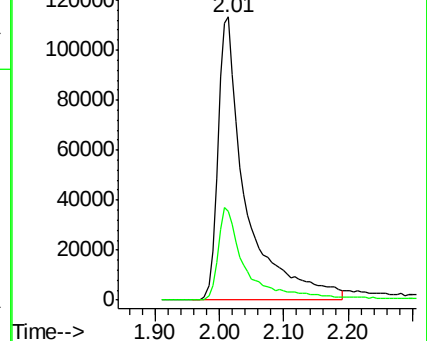
85 100

87 28.0 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 58.951 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015026.D

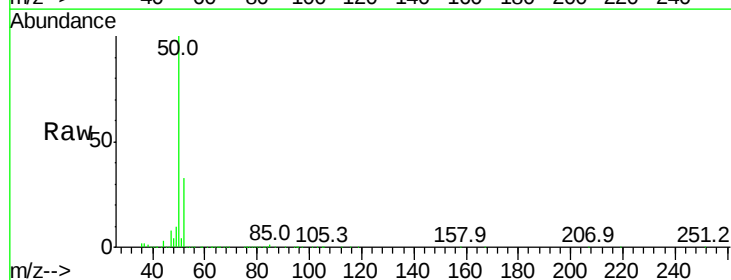
Acq: 24 Feb 2020 11:27

Tgt Ion: 50 Resp: 676007

Ion Ratio Lower Upper

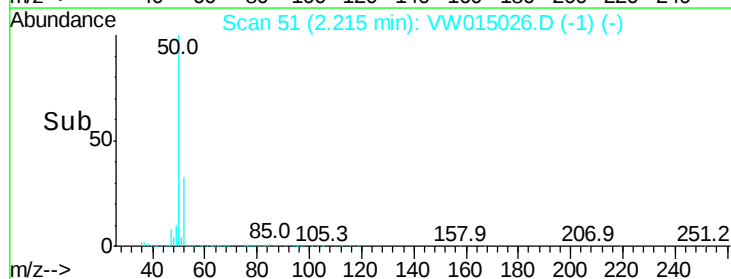
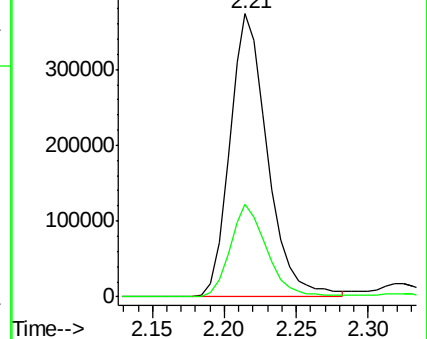
50 100

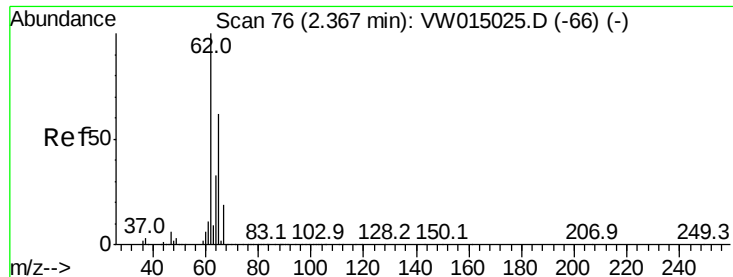
52 32.7 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 61.816 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampleId :

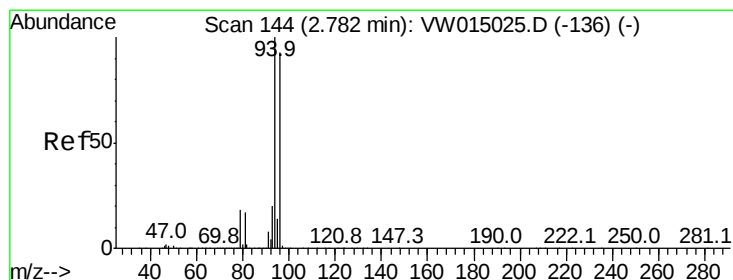
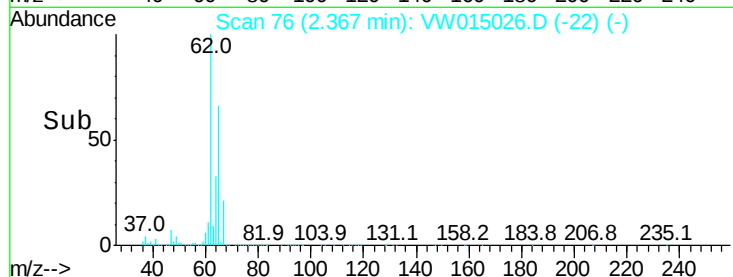
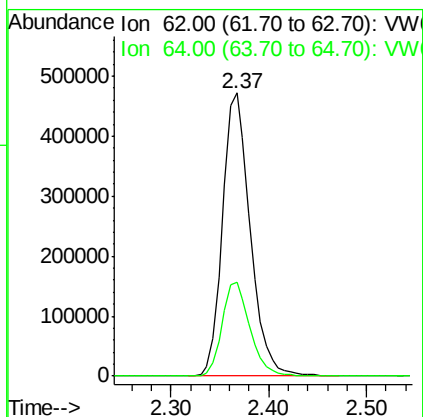
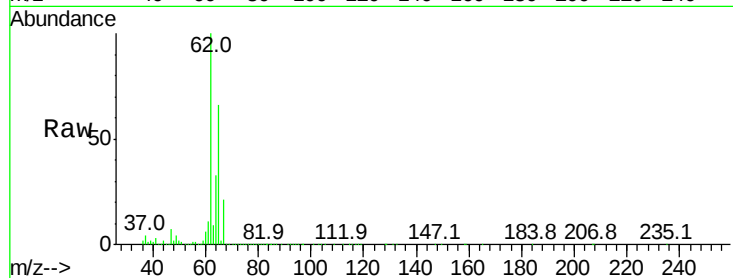
VSTD05004

Tgt Ion: 62 Resp: 925551

Ion Ratio Lower Upper

62 100

64 33.2 23.0 42.8



#6

Bromomethane

Concen: 54.771 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015026.D

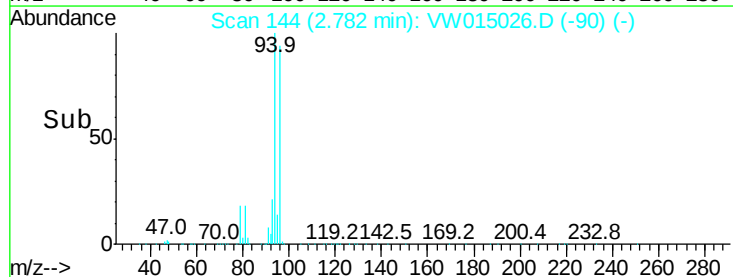
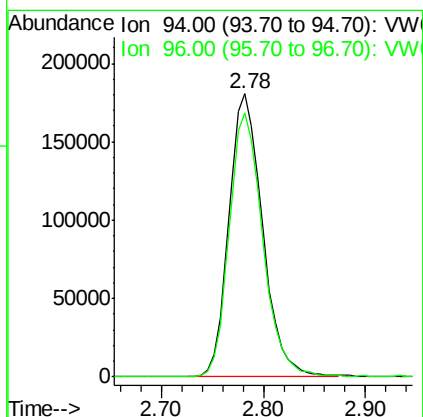
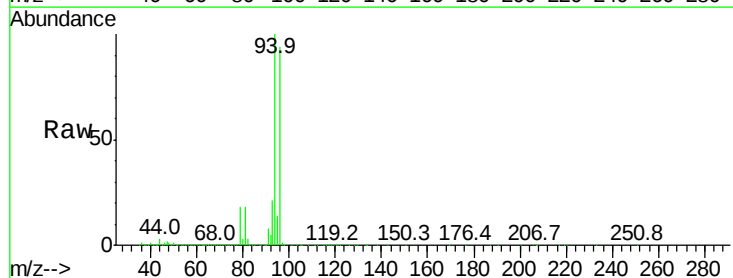
Acq: 24 Feb 2020 11:27

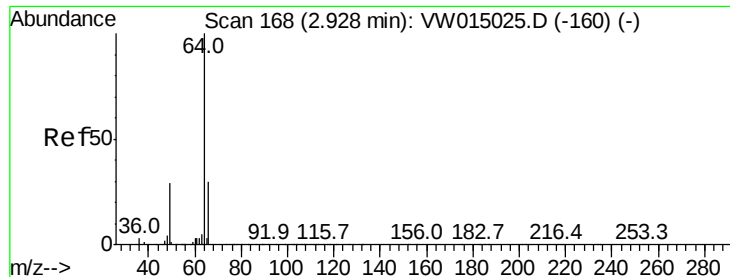
Tgt Ion: 94 Resp: 410068

Ion Ratio Lower Upper

94 100

96 93.2 9.5 179.7





#8

Chloroethane

Concen: 62.734 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampleId :

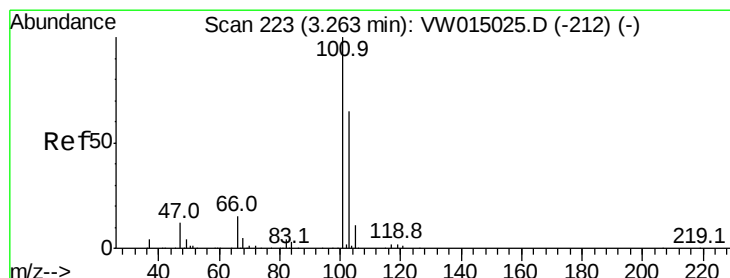
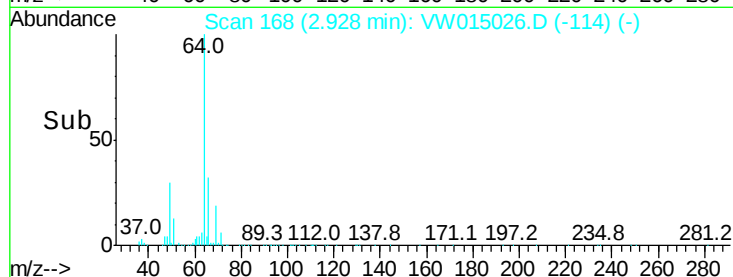
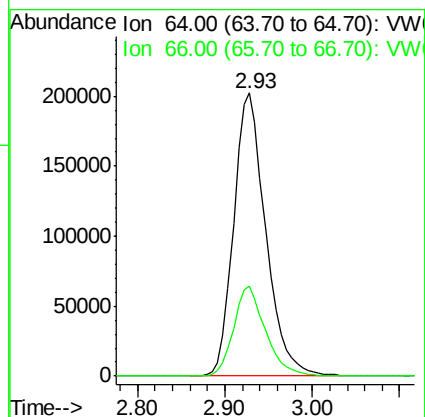
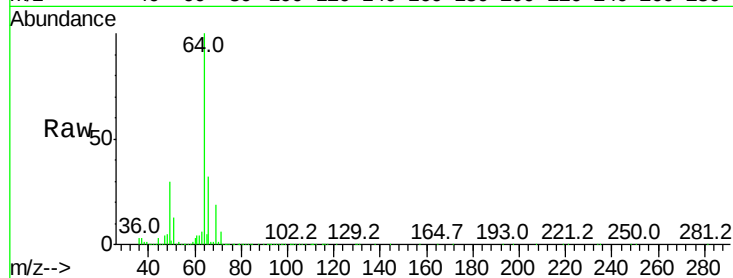
VSTD05004

Tgt Ion: 64 Resp: 513931

Ion Ratio Lower Upper

64 100

66 31.7 21.2 39.4



#9

Trichlorofluoromethane

Concen: 73.909 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW015026.D

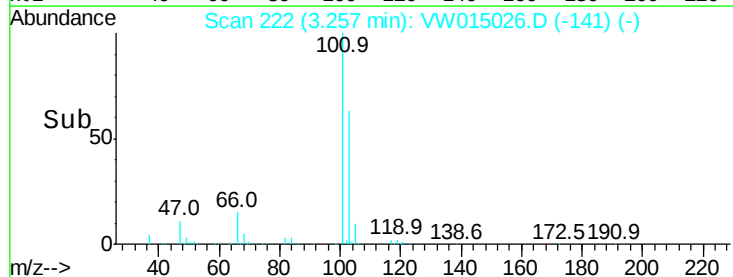
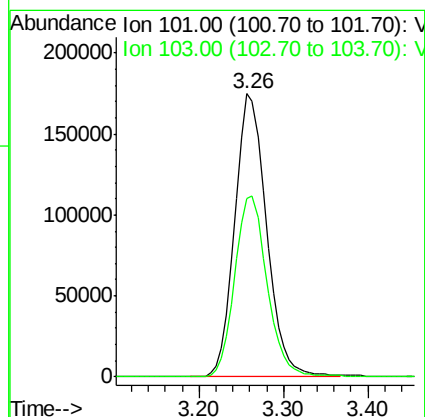
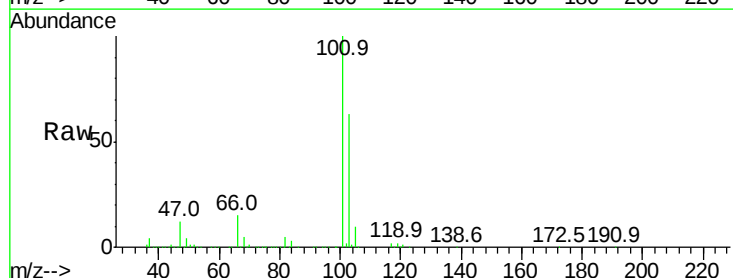
Acq: 24 Feb 2020 11:27

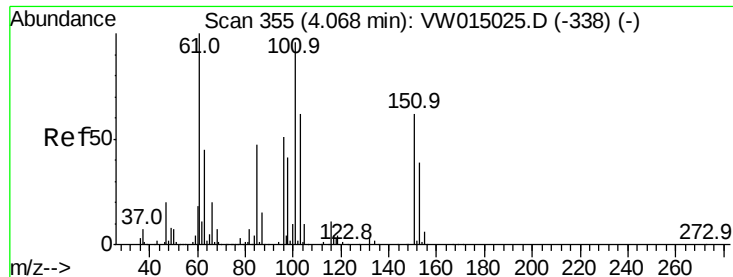
Tgt Ion: 101 Resp: 447339

Ion Ratio Lower Upper

101 100

103 64.7 44.9 83.5





#11

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

Concen: 55.758 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

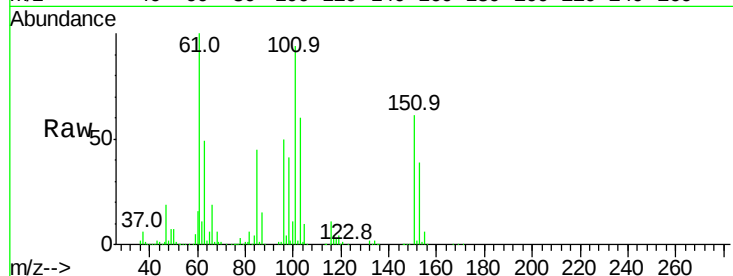
Tgt Ion:101 Resp: 595730

Ion Ratio Lower Upper

101 100

85 47.2 37.8 56.8

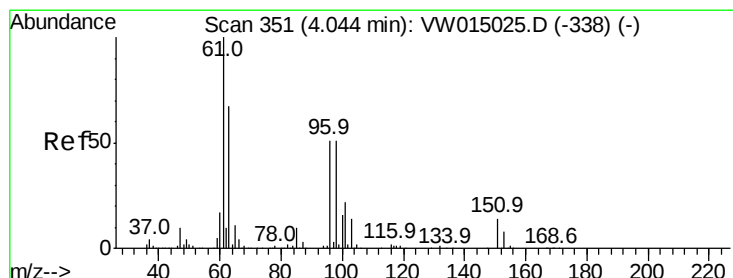
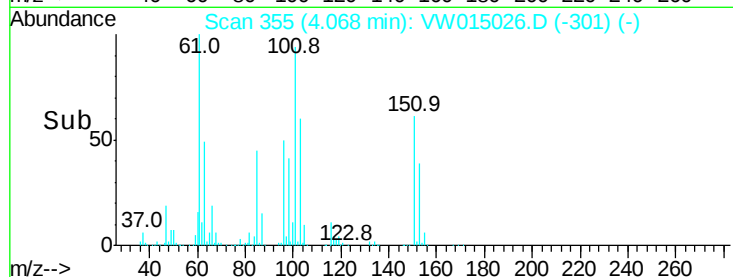
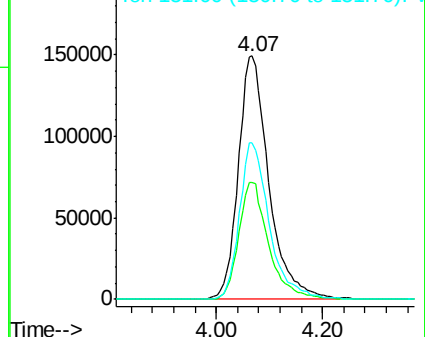
151 62.3 50.3 75.5



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: 56.364 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

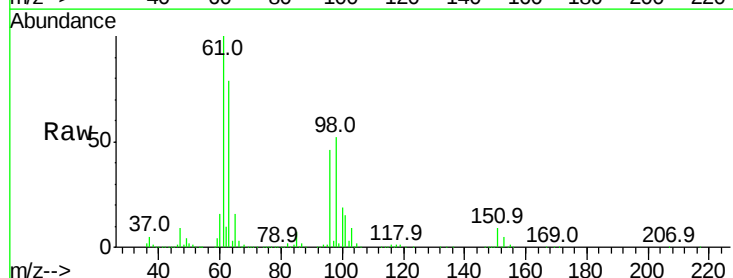
Tgt Ion: 96 Resp: 588553

Ion Ratio Lower Upper

96 100

61 216.6 138.5 257.1

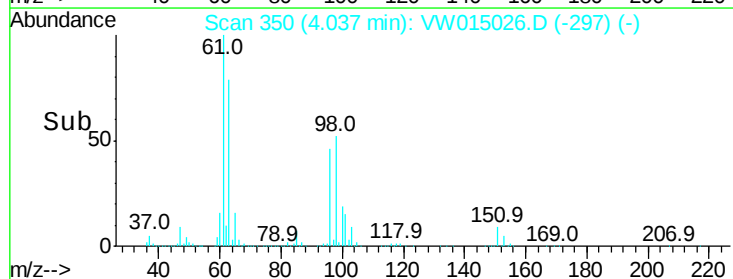
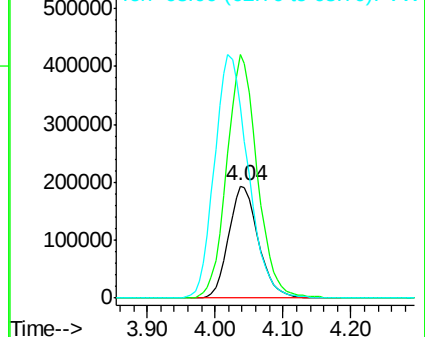
63 170.4 93.4 173.6

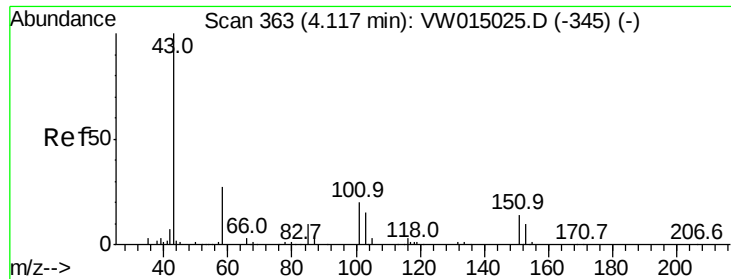


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 95.311 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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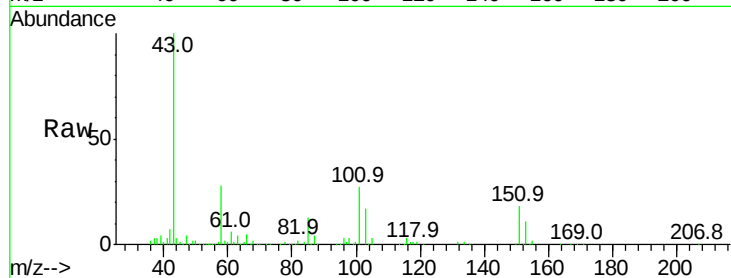
VSTD05004

Tgt Ion: 43 Resp: 336459

Ion Ratio Lower Upper

43 100

58 27.5 0.0 54.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

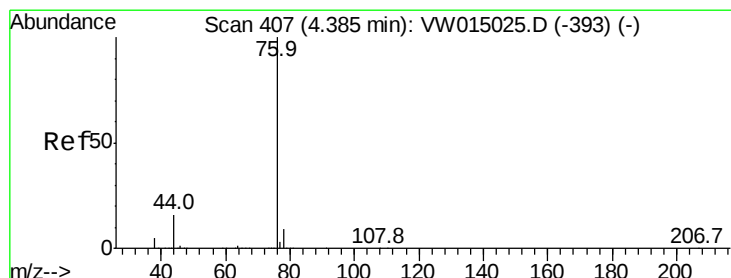
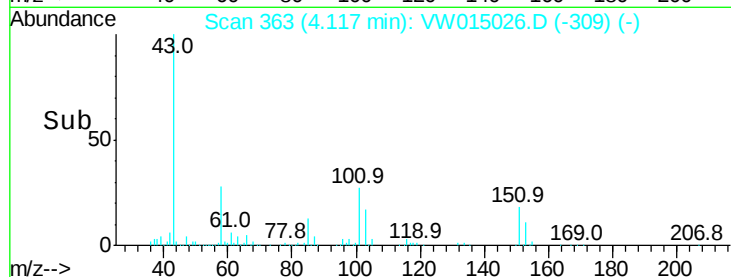
100000

50000

0

Time-->

4.00 4.10 4.20



#14

Carbon disulfide

Concen: 66.921 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW015026.D

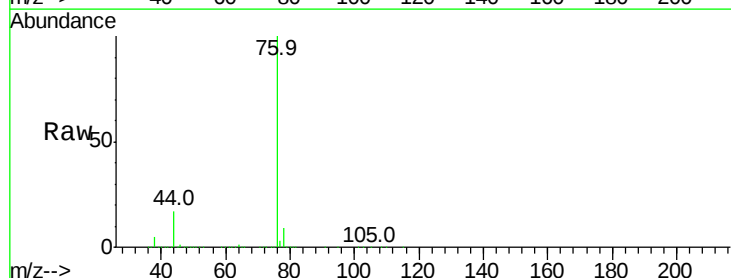
Acq: 24 Feb 2020 11:27

Tgt Ion: 76 Resp: 2098146

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

800000

600000

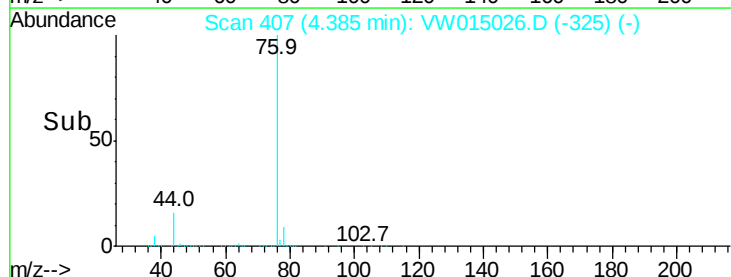
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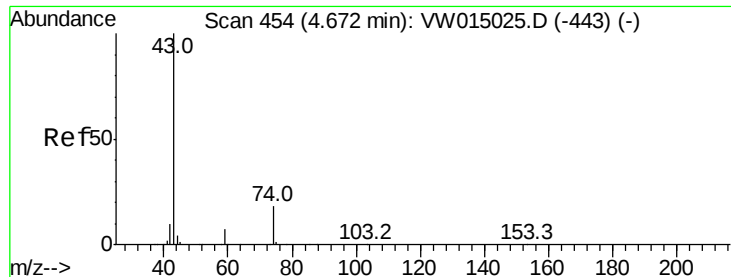
200000

0

Time-->

4.20 4.30 4.40 4.50





#15

Methyl Acetate

Concen: 49.872 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

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Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampled :

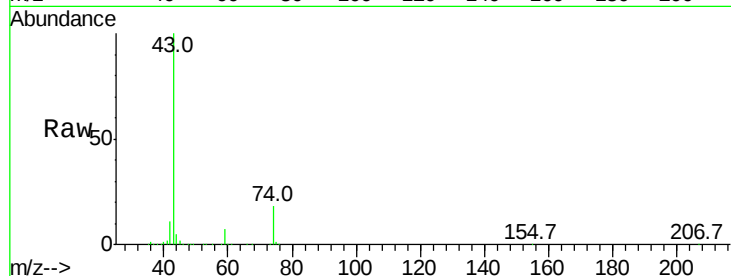
VSTD05004

Tgt Ion: 43 Resp: 289708

Ion Ratio Lower Upper

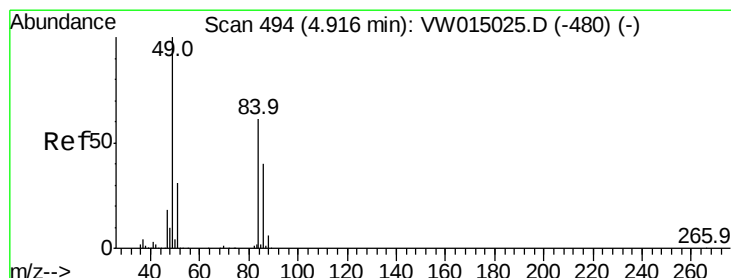
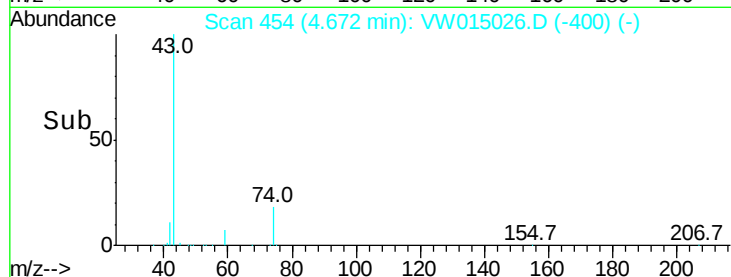
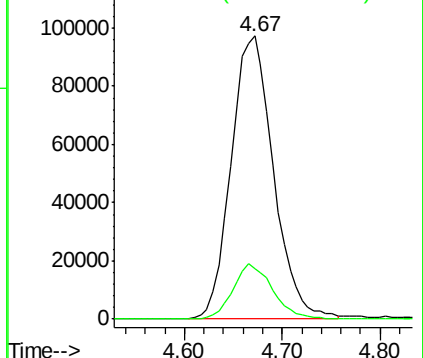
43 100

74 18.5 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 46.196 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

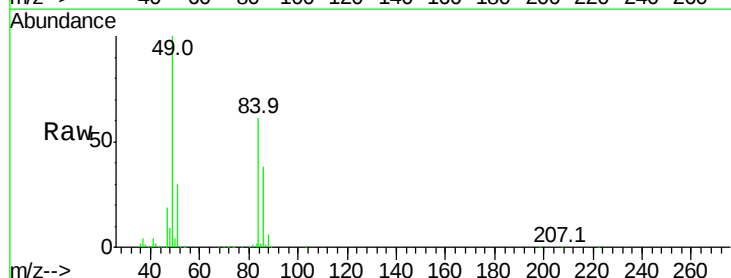
Tgt Ion: 84 Resp: 619516

Ion Ratio Lower Upper

84 100

49 162.9 115.6 214.8

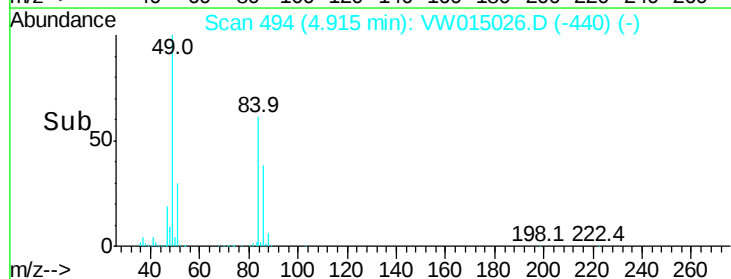
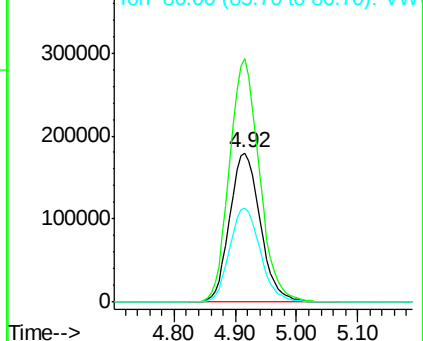
86 62.6 45.9 85.3

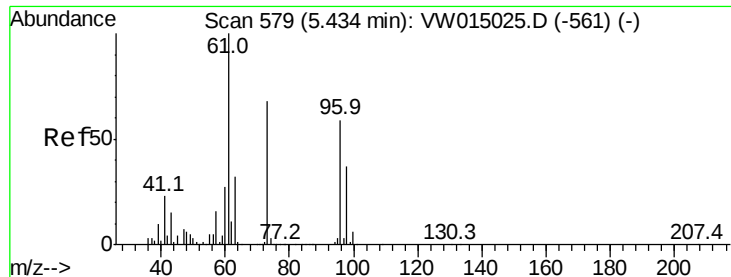


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

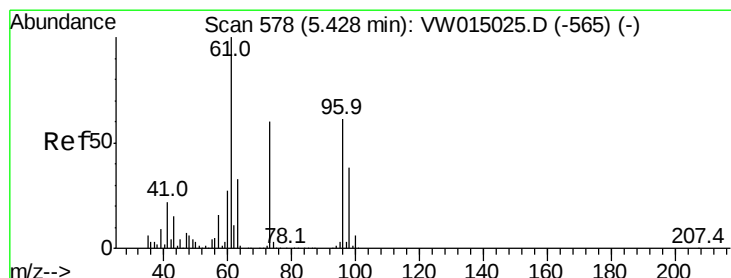
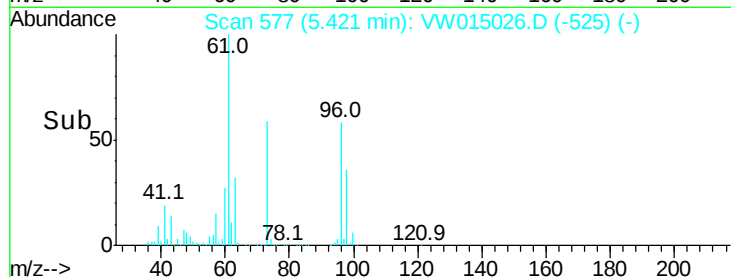
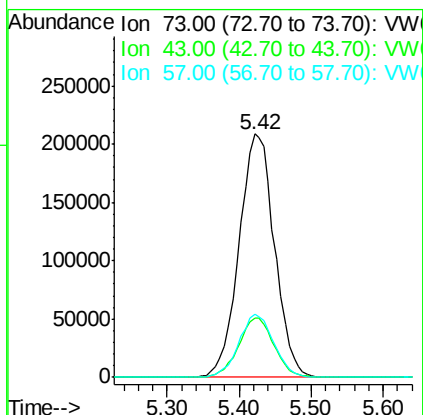
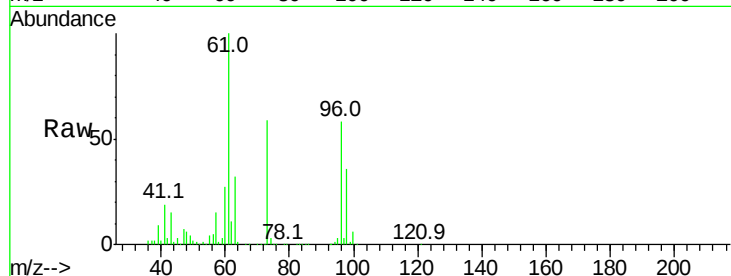




#17
Methyl tert-butyl Ether
Concen: 52.174 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015026.D
Acq: 24 Feb 2020 11:27

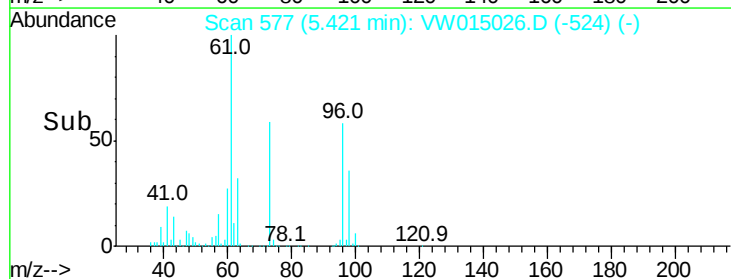
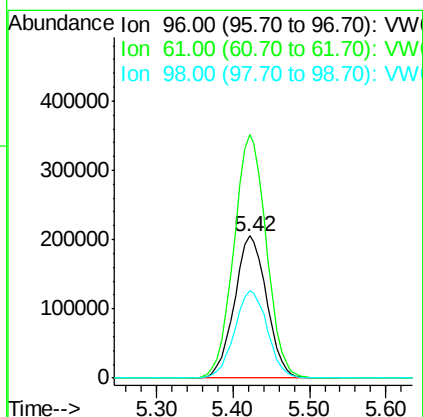
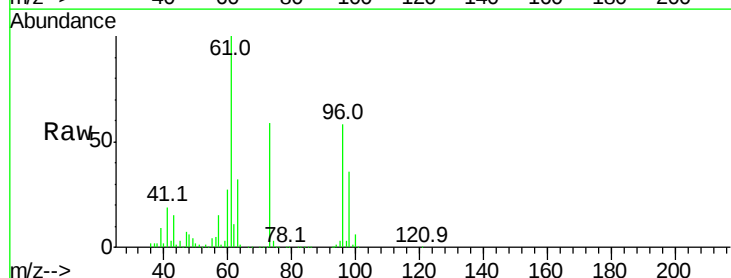
Instrument :
MSVOA_W
ClientSampled :
VSTD05004

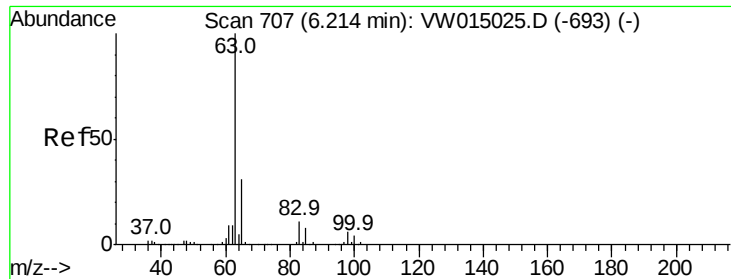
Tgt Ion: 73 Resp: 711749
Ion Ratio Lower Upper
73 100
43 24.3 19.7 29.5
57 25.6 20.4 30.6



#18
trans-1,2-Dichloroethene
Concen: 56.868 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015026.D
Acq: 24 Feb 2020 11:27

Tgt Ion: 96 Resp: 601661
Ion Ratio Lower Upper
96 100
61 171.6 115.1 213.8
98 61.8 44.0 81.6



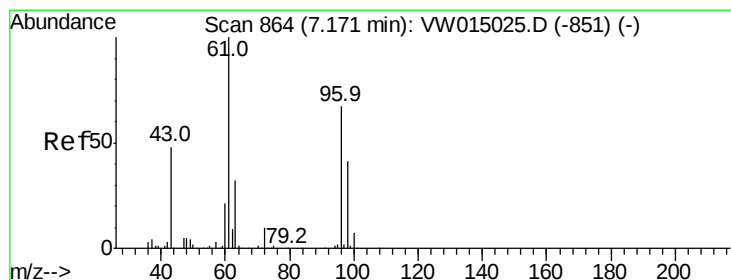
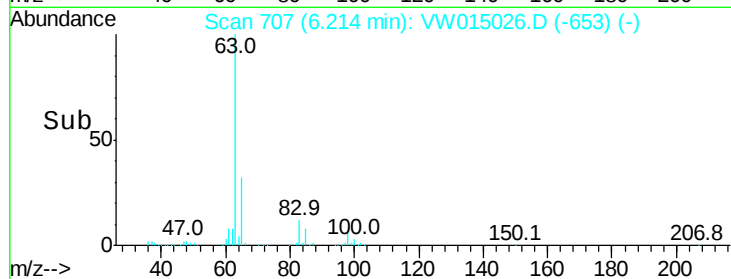
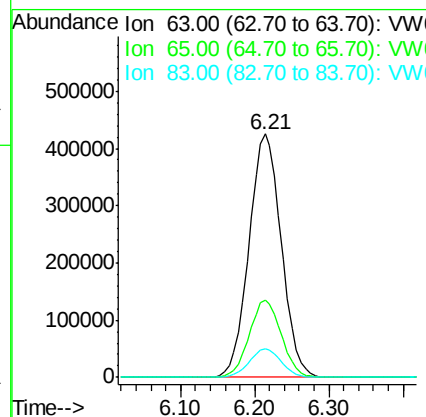
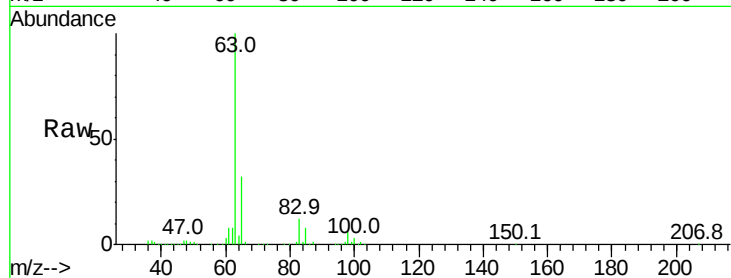


#19
 1,1-Dichloroethane
 Concen: 60.229 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW015026.D
 Acq: 24 Feb 2020 11:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05004

Tgt Ion: 63 Resp: 1290947

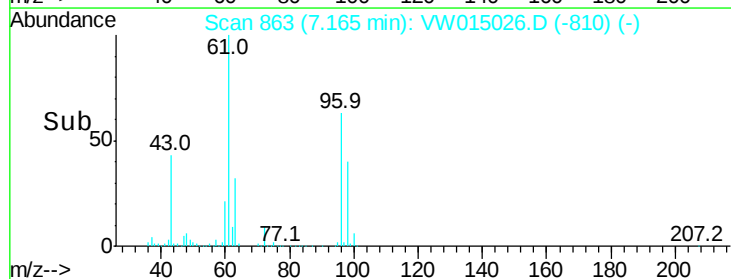
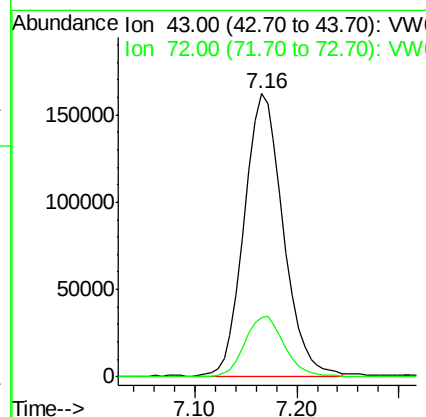
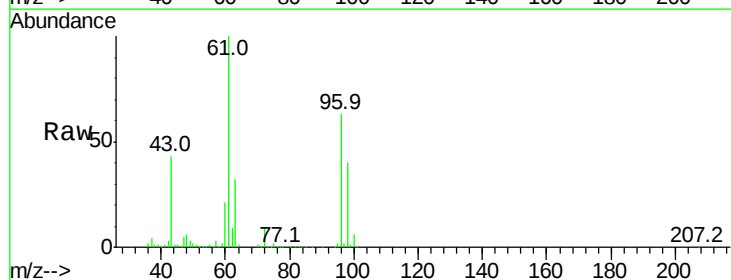
Ion	Ratio	Lower	Upper
63	100		
65	31.5	21.9	40.7
83	11.8	7.8	14.6

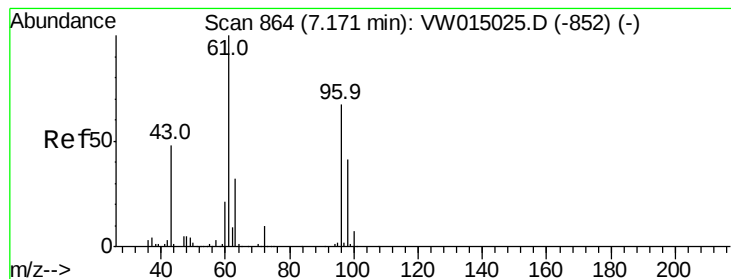


#21
 2-Butanone
 Concen: 103.941 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015026.D
 Acq: 24 Feb 2020 11:27

Tgt Ion: 43 Resp: 429598

Ion	Ratio	Lower	Upper
43	100		
72	21.9	10.4	31.4





#22

cis-1,2-Dichloroethene

Concen: 54.324 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

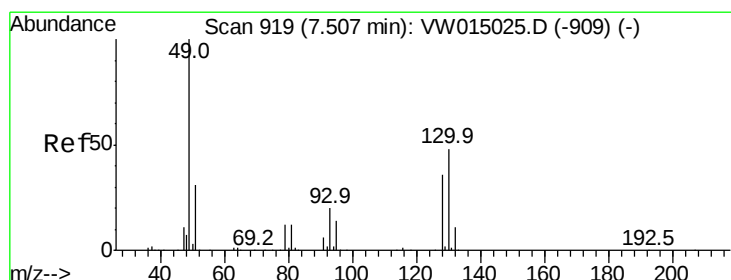
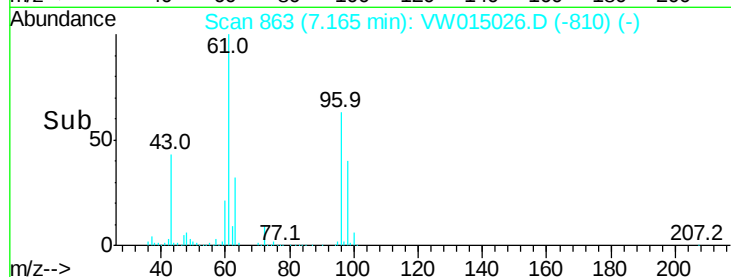
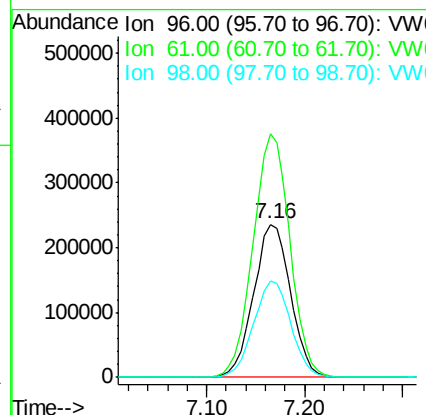
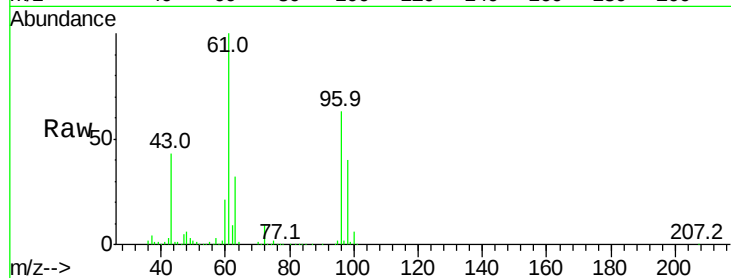
Tgt Ion: 96 Resp: 621653

Ion Ratio Lower Upper

96 100

61 159.4 105.2 195.4

98 63.2 42.6 79.2



#23

Bromochloromethane

Concen: 47.770 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Tgt Ion: 128 Resp: 224285

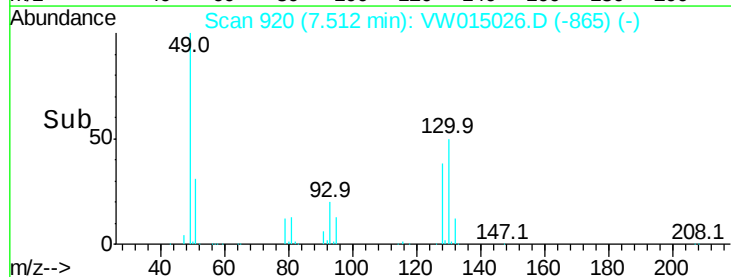
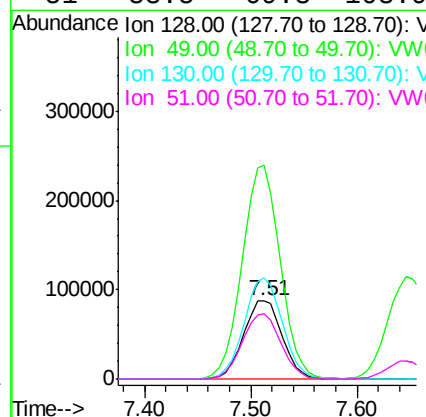
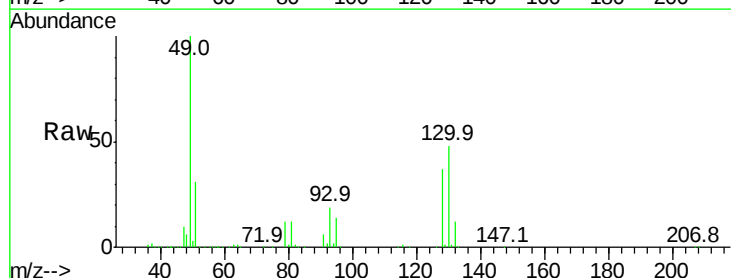
Ion Ratio Lower Upper

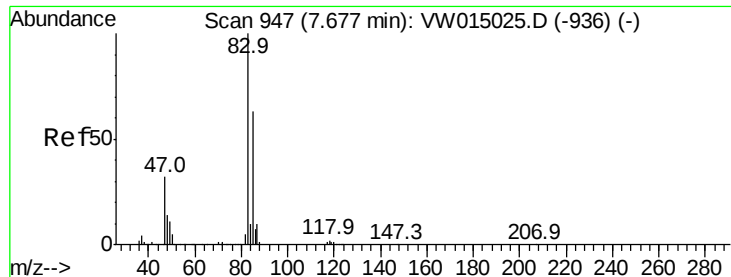
128 100

49 271.9 192.7 357.9

130 129.5 92.7 172.1

51 83.5 69.3 103.9





#25

Chloroform

Concen: 57.876 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampled :

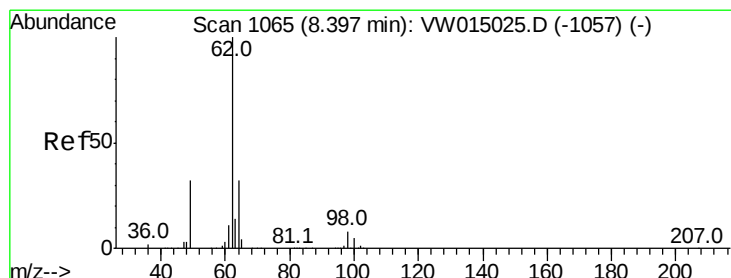
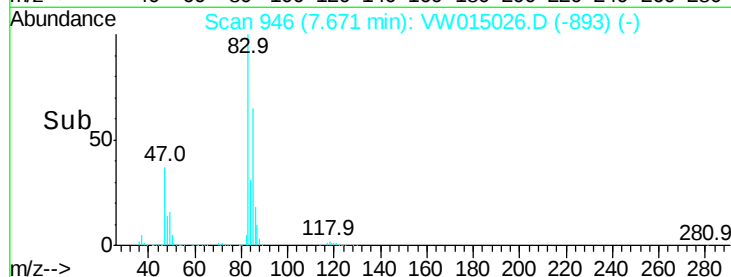
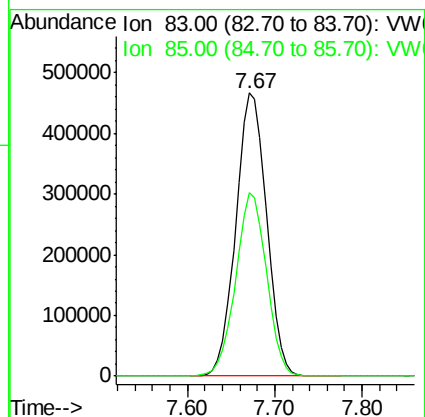
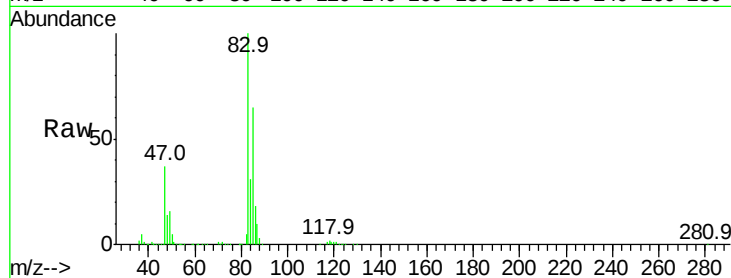
VSTD05004

Tgt Ion: 83 Resp: 1139519

Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.5



#27

1,2-Dichloroethane

Concen: 56.828 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW015026.D

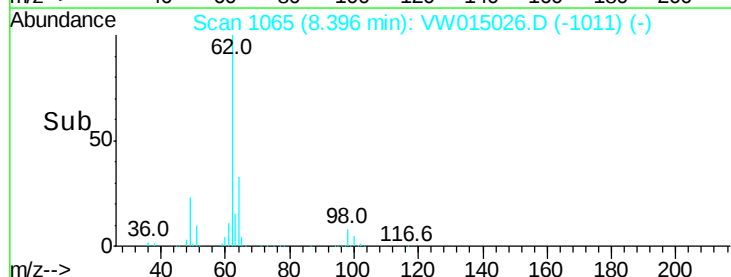
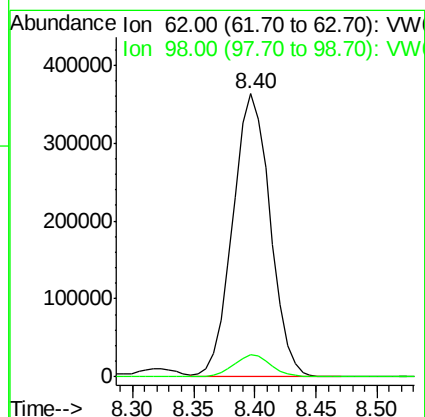
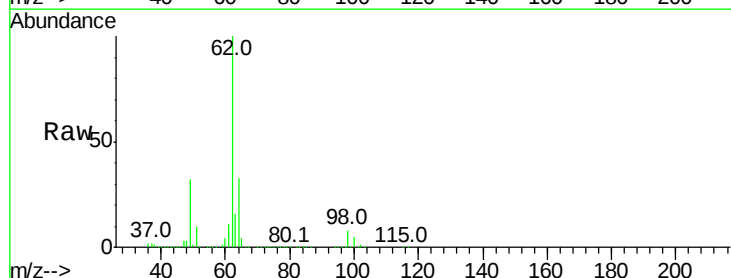
Acq: 24 Feb 2020 11:27

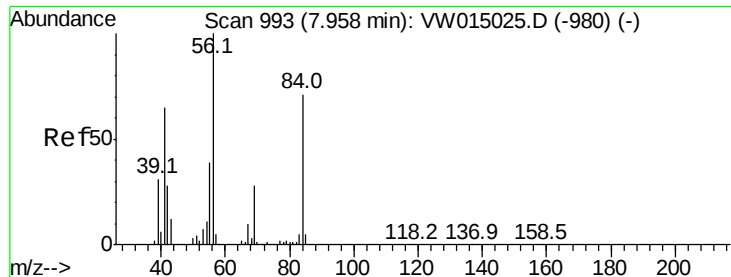
Tgt Ion: 62 Resp: 771404

Ion Ratio Lower Upper

62 100

98 7.7 6.5 9.7

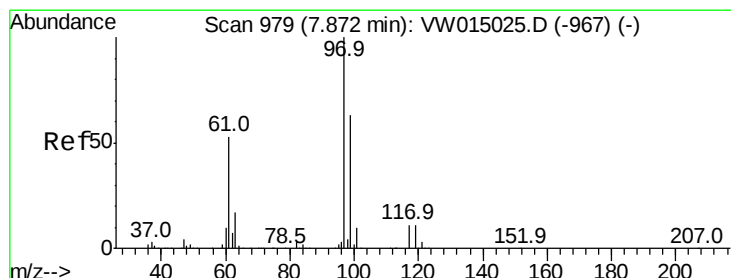
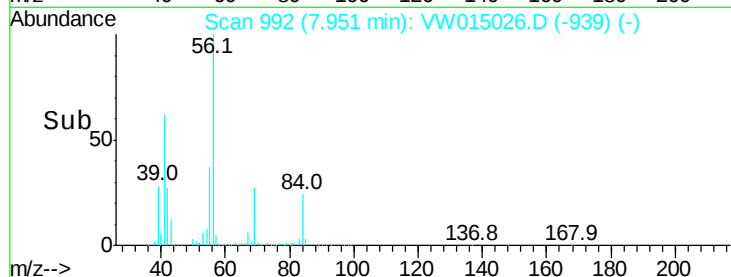
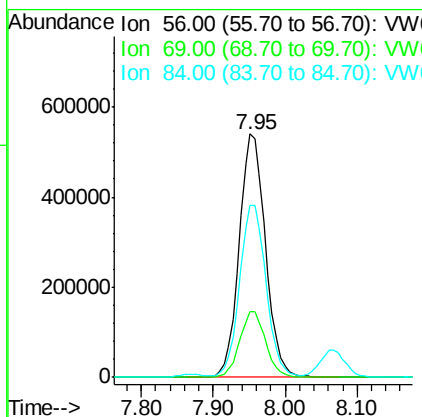
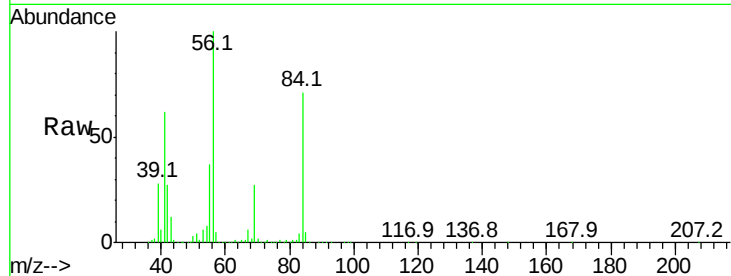




#30
Cyclohexane
Concen: 67.635 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015026.D
Acq: 24 Feb 2020 11:27

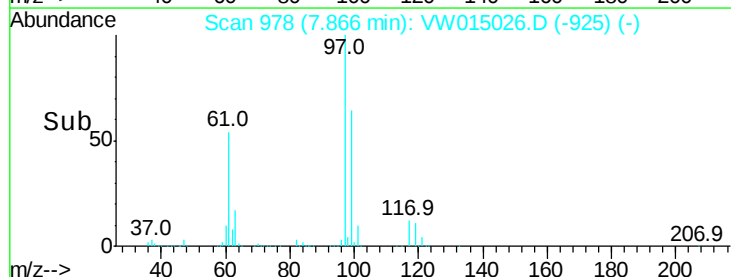
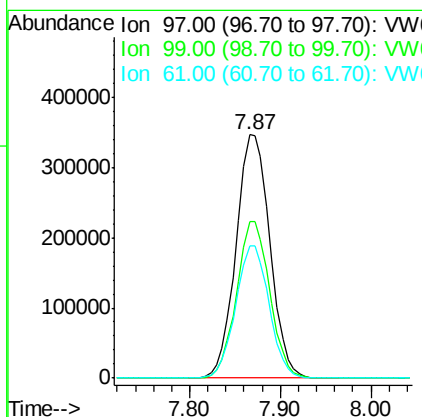
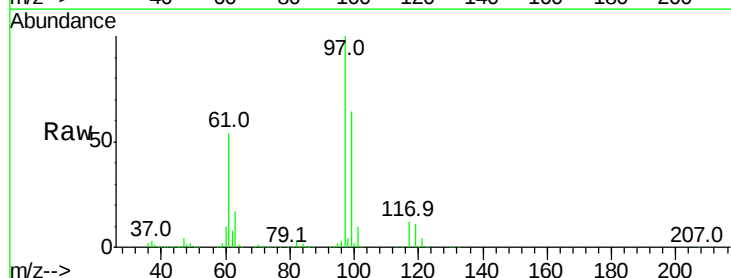
Instrument :
MSVOA_W
ClientSampleId :
VSTD05004

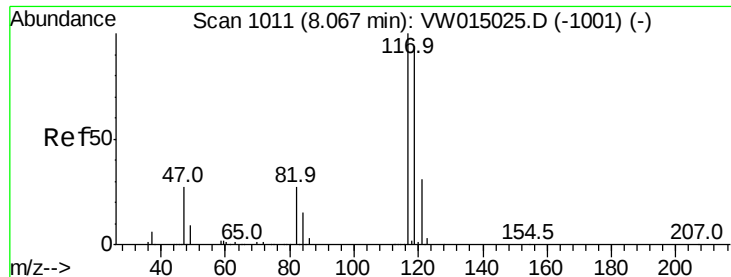
Tgt Ion: 56 Resp: 1364990
Ion Ratio Lower Upper
56 100
69 27.0 21.8 32.6
84 71.7 57.3 85.9



#31
1,1,1-Trichloroethane
Concen: 58.026 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW015026.D
Acq: 24 Feb 2020 11:27

Tgt Ion: 97 Resp: 896168
Ion Ratio Lower Upper
97 100
99 63.3 50.6 76.0
61 53.9 43.1 64.7





#32

Carbon tetrachloride

Concen: 58.229 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampleId :

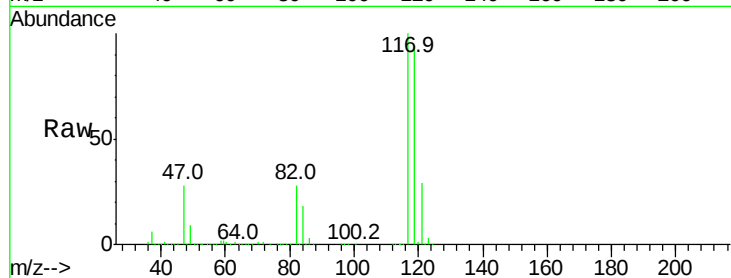
VSTD05004

Tgt Ion:117 Resp: 808385

Ion Ratio Lower Upper

117 100

119 94.4 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

400000

300000

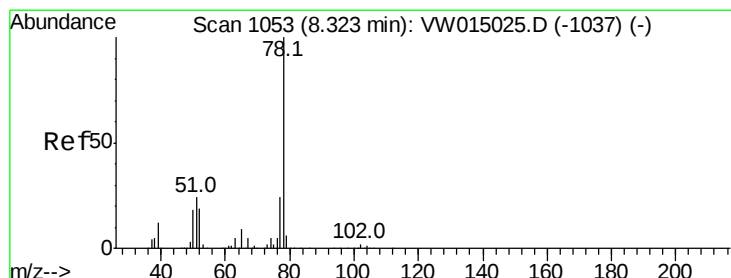
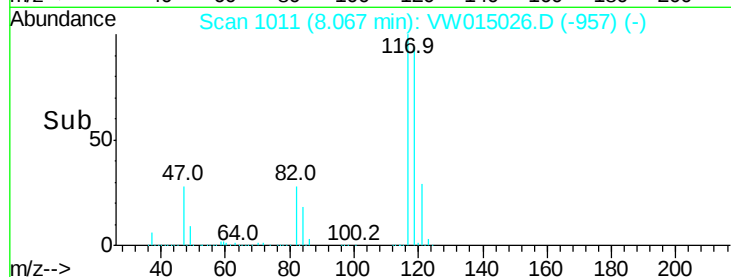
200000

100000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 57.345 ug/L

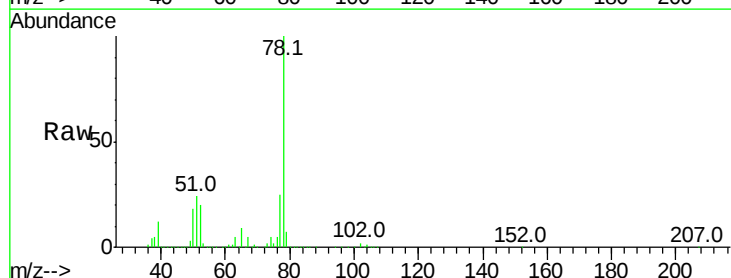
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Tgt Ion: 78 Resp: 2670920



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

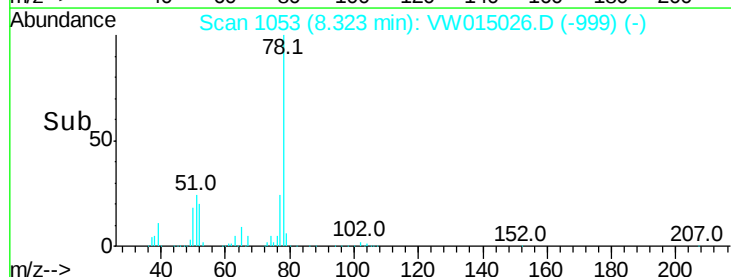
1000000

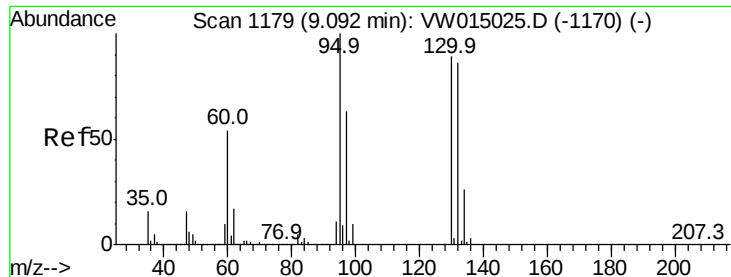
500000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 54.986 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion: 95 Resp: 634835

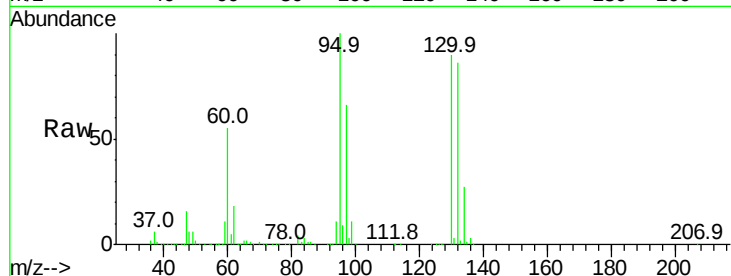
Ion Ratio Lower Upper

95 100

97 63.7 44.7 83.1

132 83.7 58.1 107.9

130 87.8 62.0 115.2

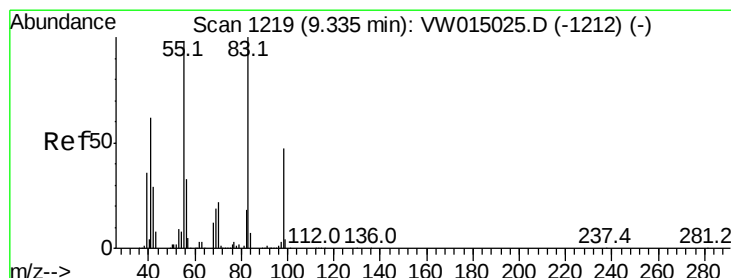
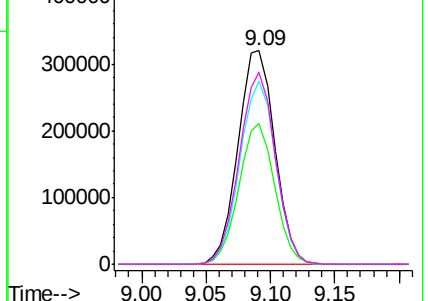
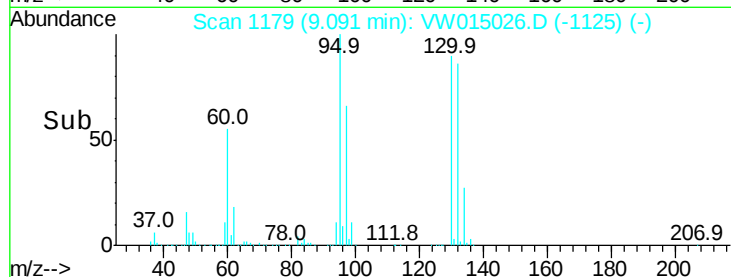


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 59.873 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

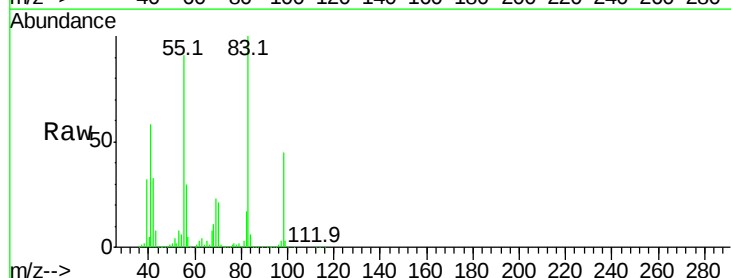
Tgt Ion: 83 Resp: 1204132

Ion Ratio Lower Upper

83 100

55 94.4 76.6 115.0

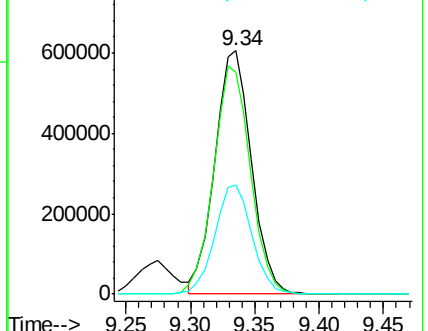
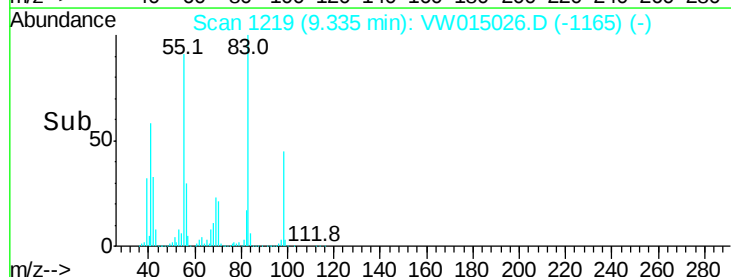
98 45.5 36.6 54.8

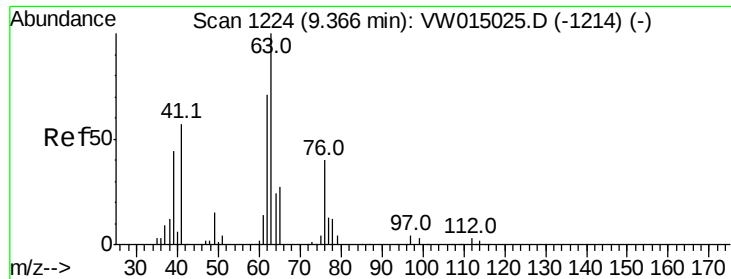


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 57.467 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampleId :

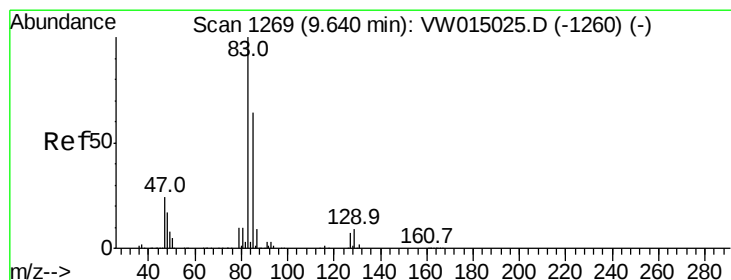
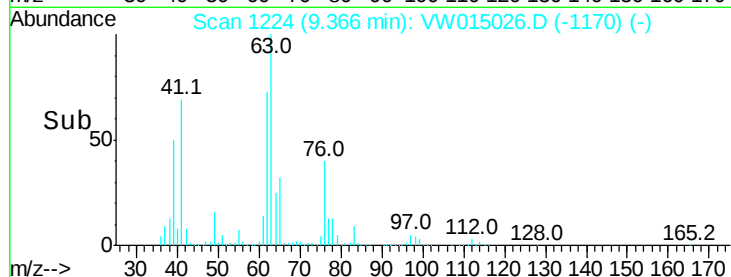
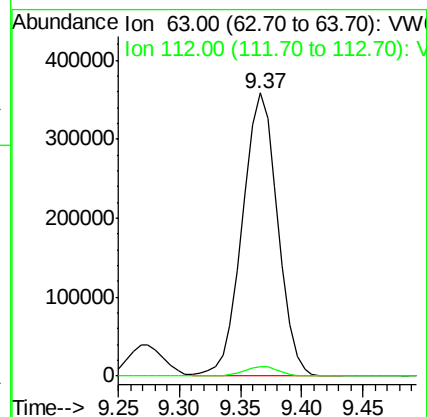
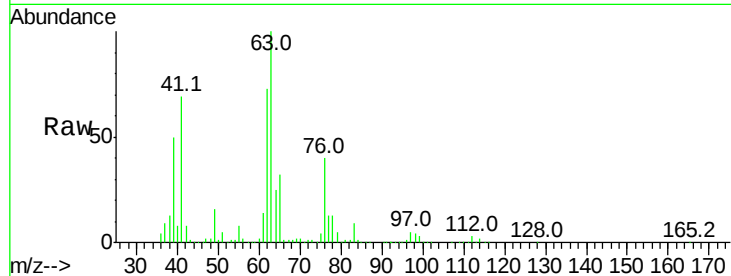
VSTD05004

Tgt Ion: 63 Resp: 716281

Ion Ratio Lower Upper

63 100

112 3.5 2.8 4.2



#41

Bromodichloromethane

Concen: 56.324 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

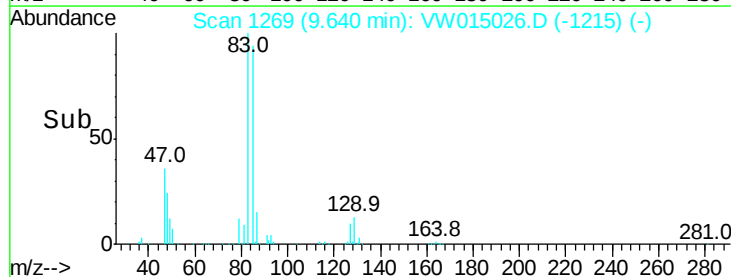
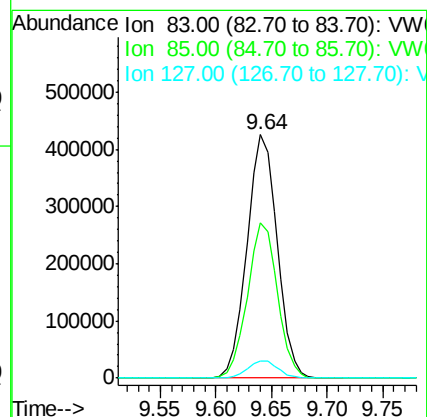
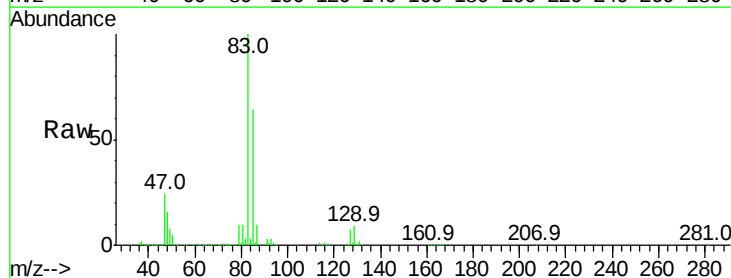
Tgt Ion: 83 Resp: 804582

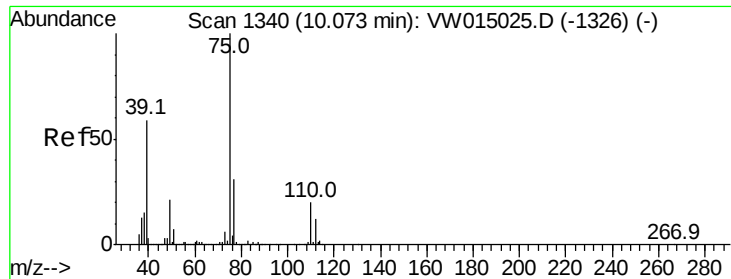
Ion Ratio Lower Upper

83 100

85 63.5 44.7 83.1

127 6.8 5.4 8.0





#42

cis-1,3-Dichloroprene

Concen: 58.217 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampled :

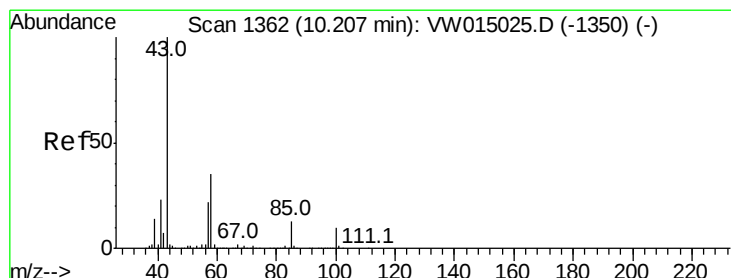
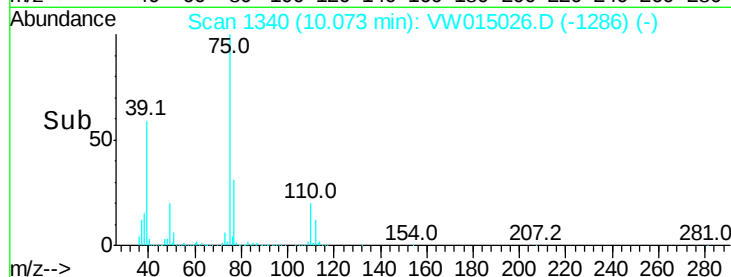
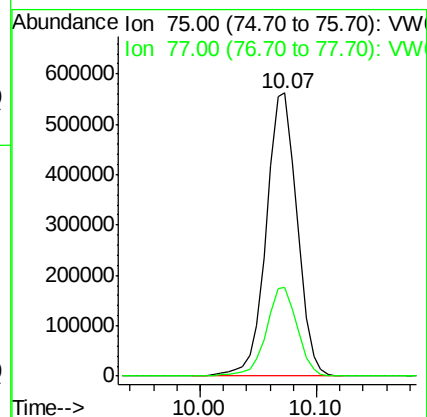
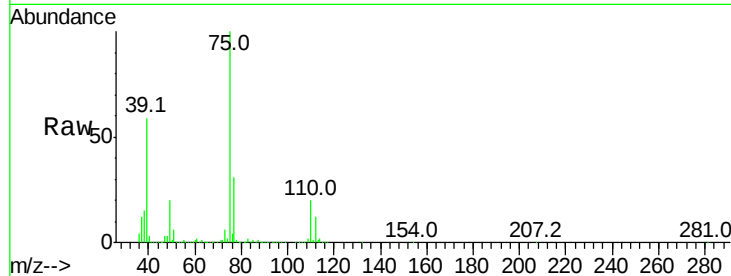
VSTD05004

Tgt Ion: 75 Resp: 1030389

Ion Ratio Lower Upper

75 100

77 31.5 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 100.693 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

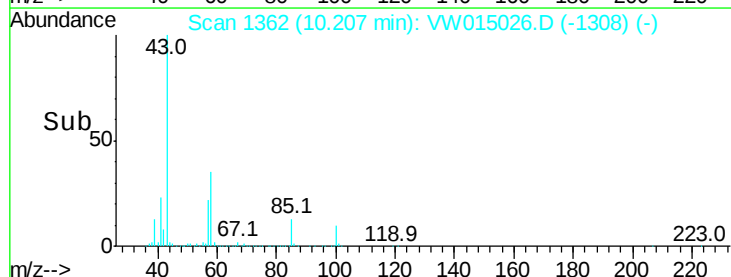
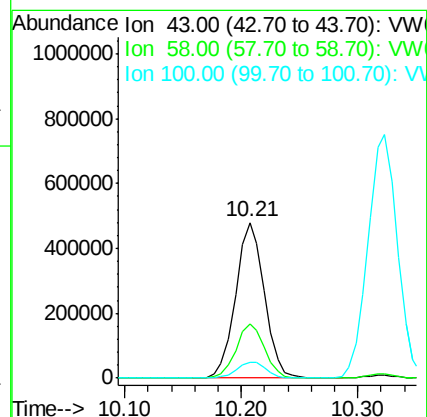
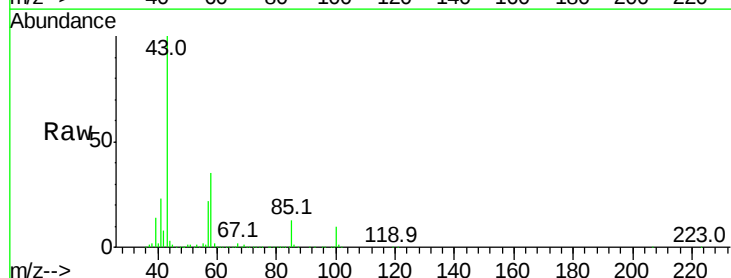
Tgt Ion: 43 Resp: 822974

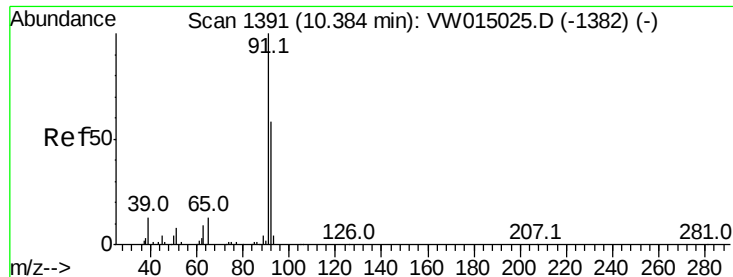
Ion Ratio Lower Upper

43 100

58 34.8 27.6 41.4

100 10.8 8.6 13.0





#44

Toluene

Concen: 57.288 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampleId :

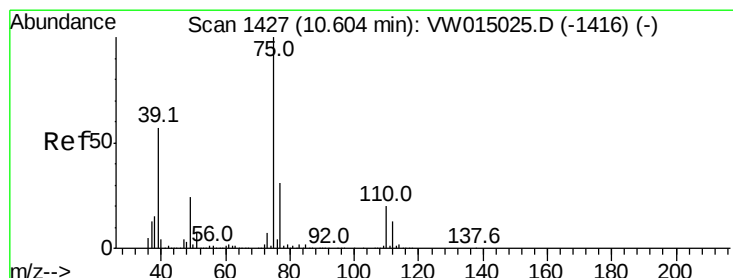
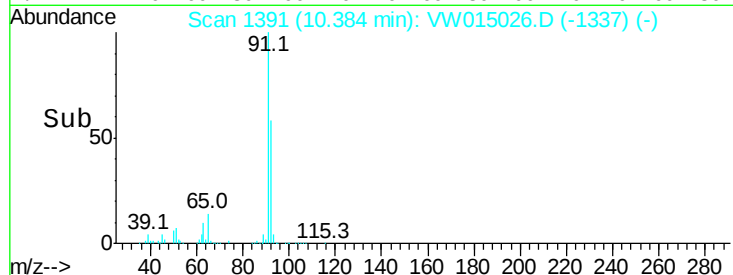
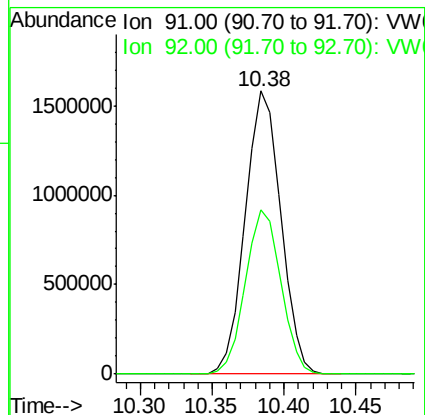
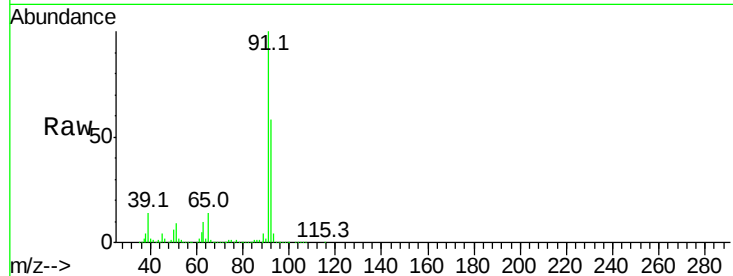
VSTD05004

Tgt Ion: 91 Resp: 2708803

Ion Ratio Lower Upper

91 100

92 58.0 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 56.791 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015026.D

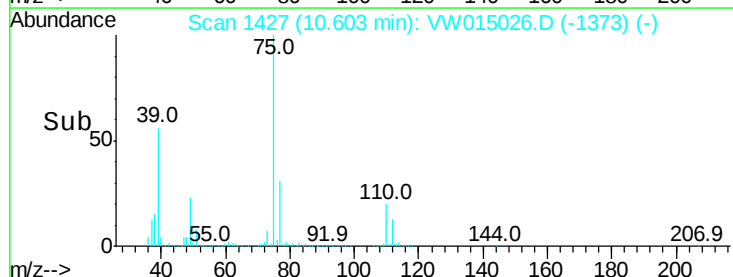
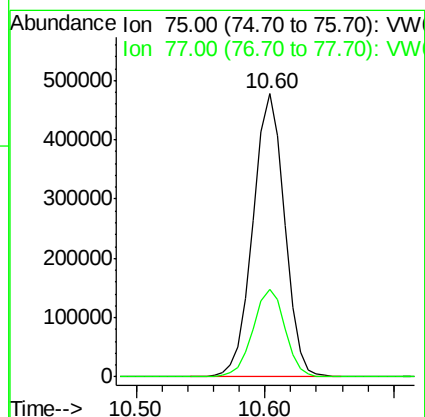
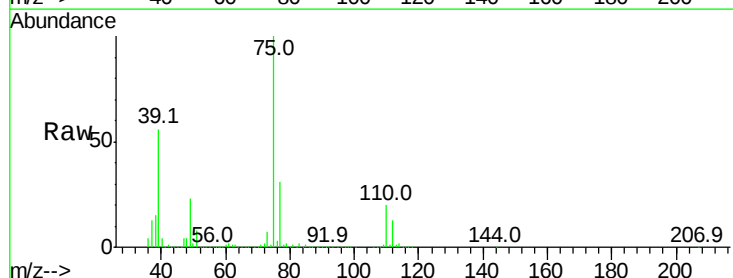
Acq: 24 Feb 2020 11:27

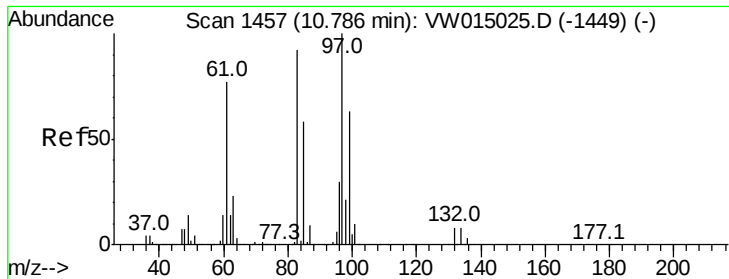
Tgt Ion: 75 Resp: 809428

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.2





#46

1,1,2-Trichloroethane

Concen: 47.430 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion: 97 Resp: 389177

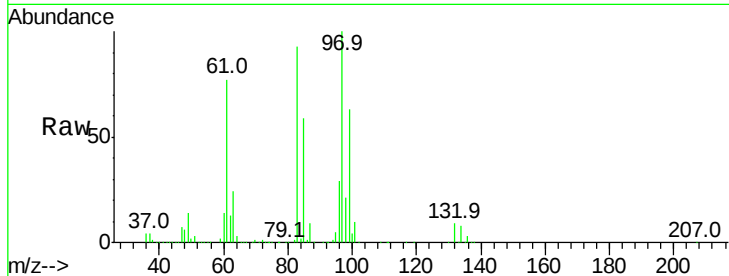
Ion Ratio Lower Upper

97 100

83 93.0 64.4 119.6

85 59.4 40.9 75.9

99 62.6 44.1 81.9

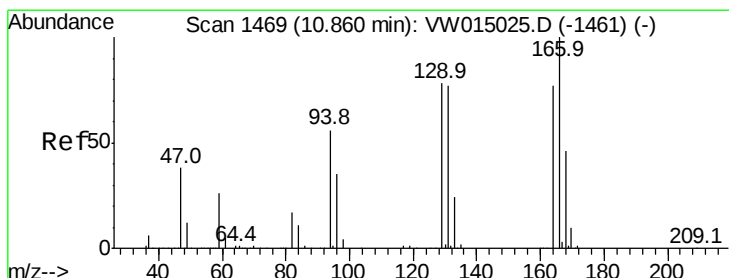
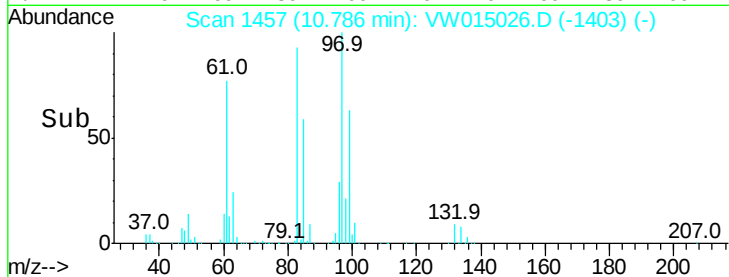
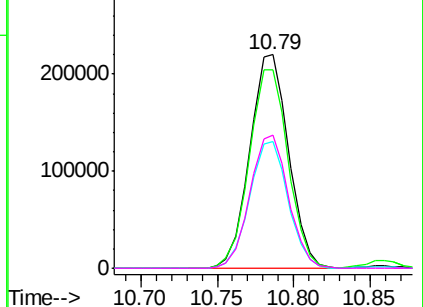


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 49.272 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Tgt Ion: 164 Resp: 417992

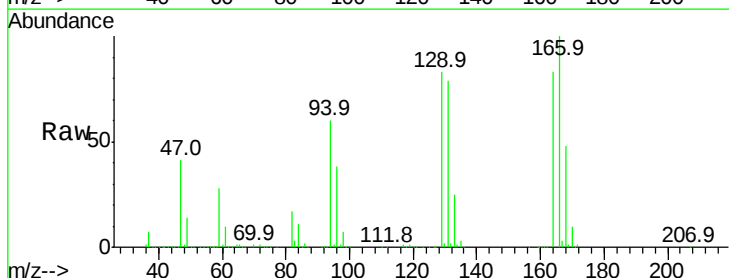
Ion Ratio Lower Upper

164 100

129 99.9 71.7 133.1

131 94.6 70.1 130.3

166 120.5 91.3 169.6

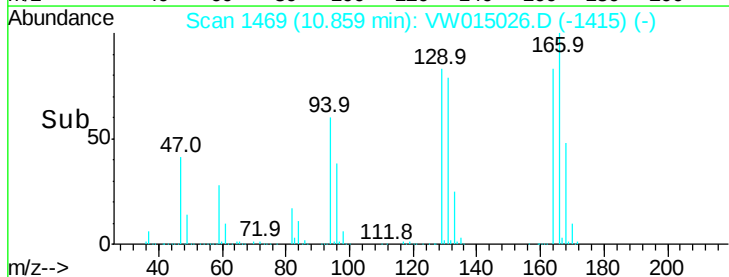
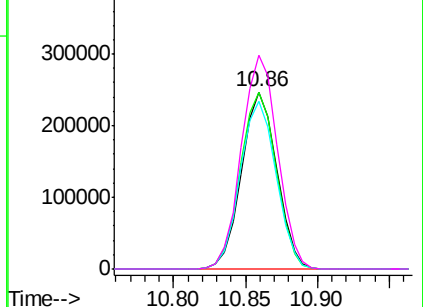


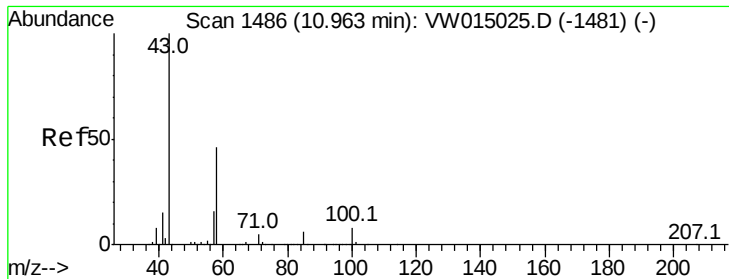
Abundance Ion 164.00 (163.70 to 164.70): V

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: 106.036 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

Tgt Ion: 43 Resp: 608745

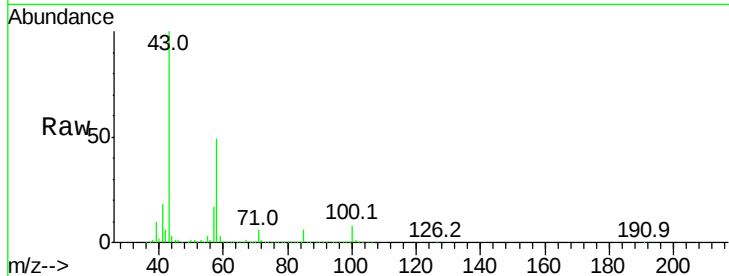
Ion Ratio Lower Upper

43 100

58 49.5 38.9 58.3

57 16.7 13.4 20.2

100 8.7 6.7 10.1



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

500000

400000

300000

200000

100000

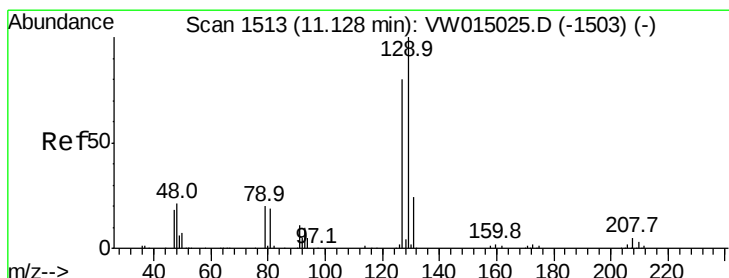
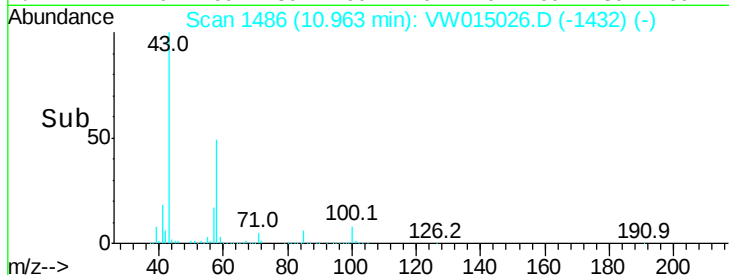
0

10.96

10.90

11.00

Time-->



#50

Dibromochloromethane

Concen: 48.591 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015026.D

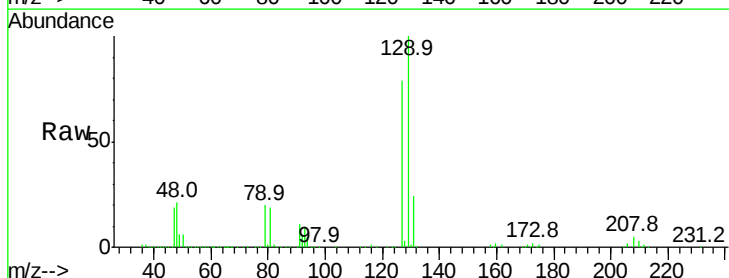
Acq: 24 Feb 2020 11:27

Tgt Ion: 129 Resp: 428507

Ion Ratio Lower Upper

129 100

127 78.9 56.4 104.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

250000

200000

150000

100000

50000

0

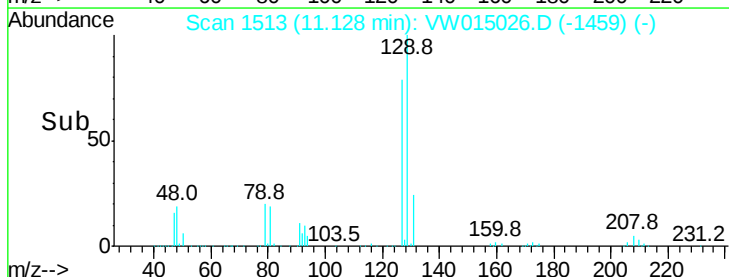
11.13

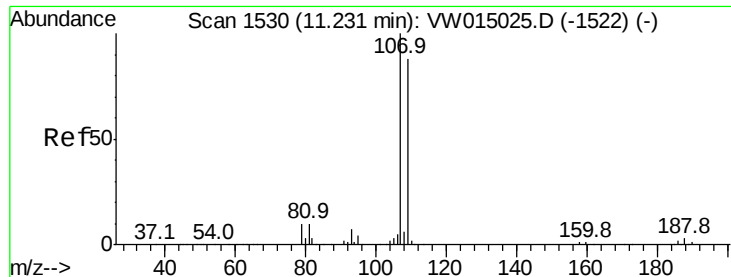
11.05

11.15

11.20

Time-->

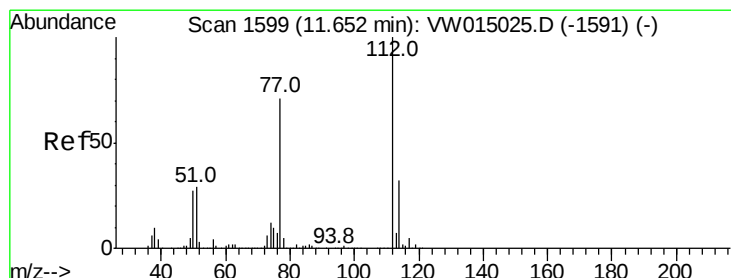
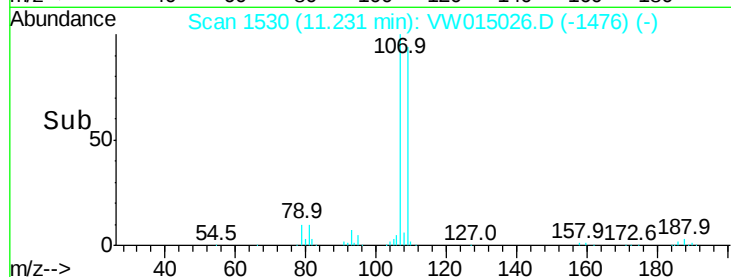
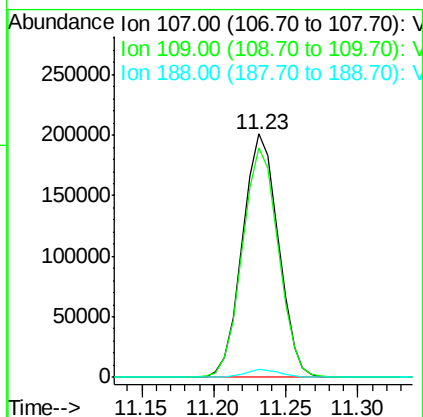
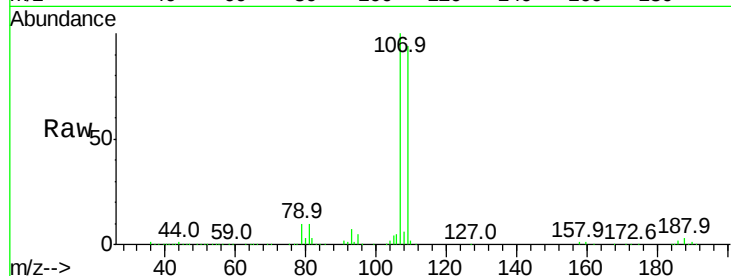




#51
 1,2-Dibromoethane
 Concen: 45.512 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW015026.D
 Acq: 24 Feb 2020 11:27

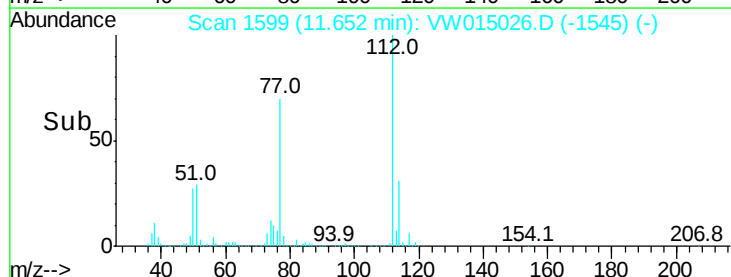
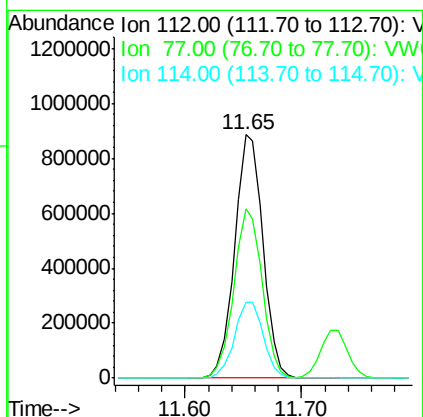
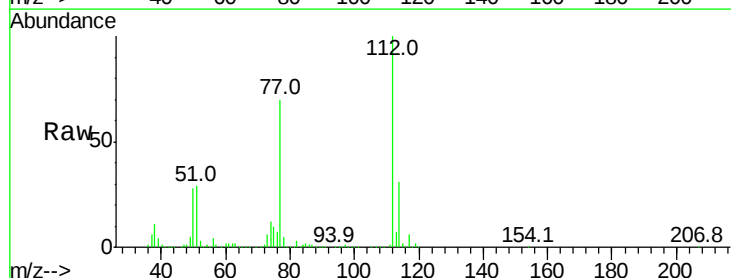
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

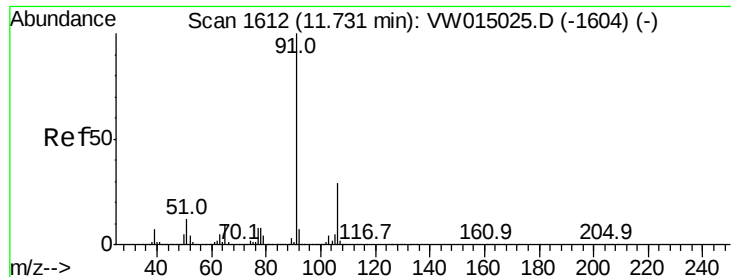
Tgt Ion:107 Resp: 347461
 Ion Ratio Lower Upper
 107 100
 109 94.5 61.9 114.9
 188 3.2 2.5 3.7



#52
 Chlorobenzene
 Concen: 51.862 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: VW015026.D
 Acq: 24 Feb 2020 11:27

Tgt Ion:112 Resp: 1499308
 Ion Ratio Lower Upper
 112 100
 77 69.7 57.0 85.6
 114 31.1 22.5 41.9





#53

Ethylbenzene

Concen: 58.435 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampleId :

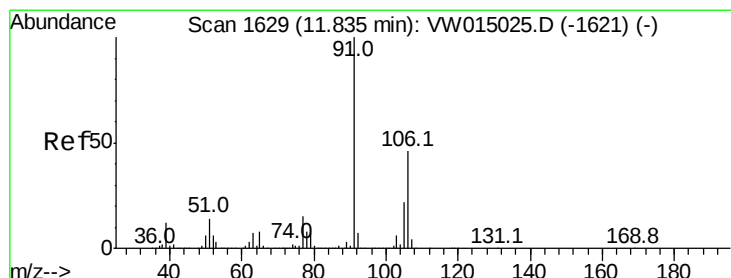
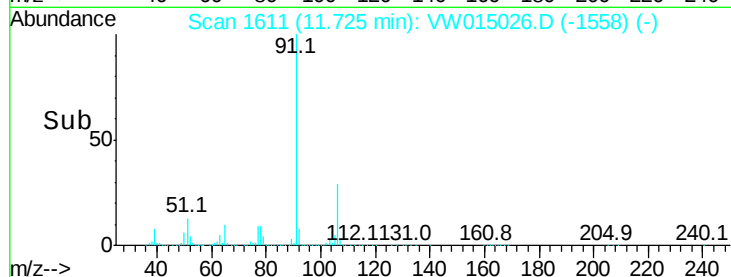
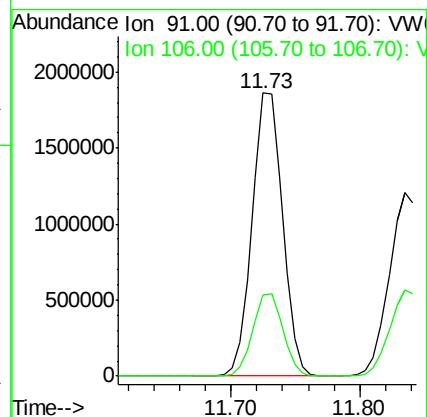
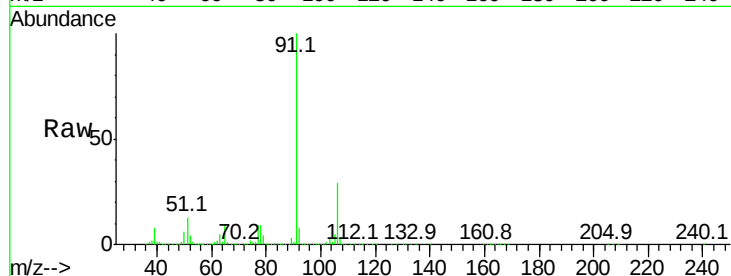
VSTD05004

Tgt Ion: 91 Resp: 3022734

Ion Ratio Lower Upper

91 100

106 28.8 20.1 37.3



#54

m,p-Xylene

Concen: 56.672 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW015026.D

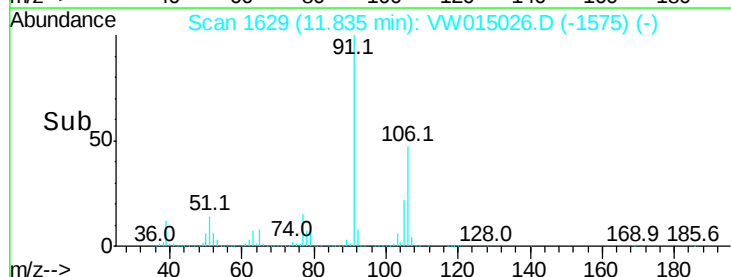
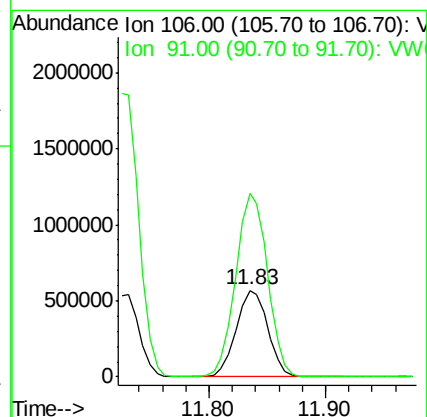
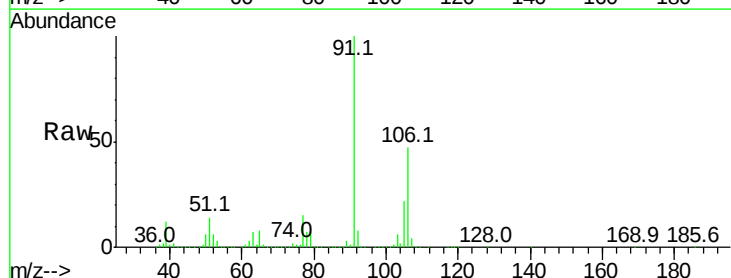
Acq: 24 Feb 2020 11:27

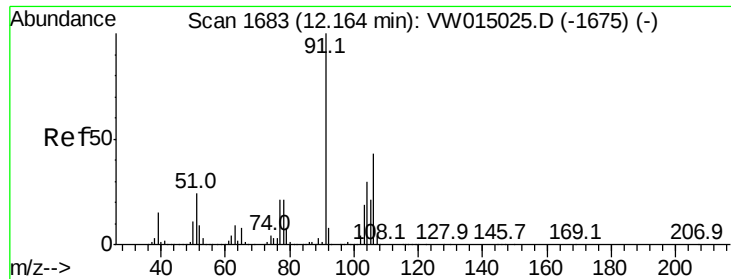
Tgt Ion: 106 Resp: 1070806

Ion Ratio Lower Upper

106 100

91 213.2 151.4 281.2





#55

o-xylene

Concen: 56.390 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampleId :

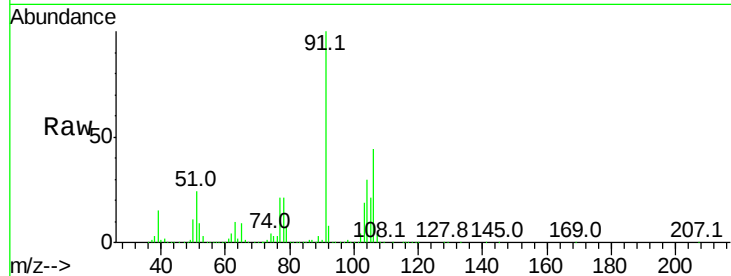
VSTD05004

Tgt Ion:106 Resp: 1014058

Ion Ratio Lower Upper

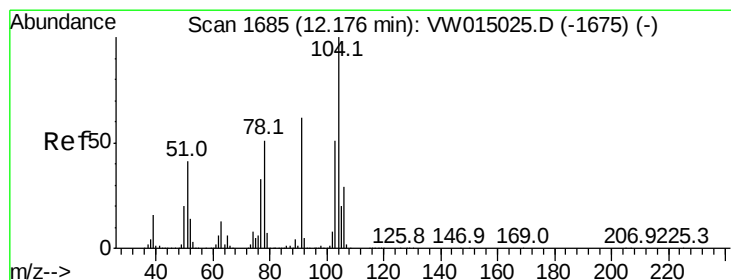
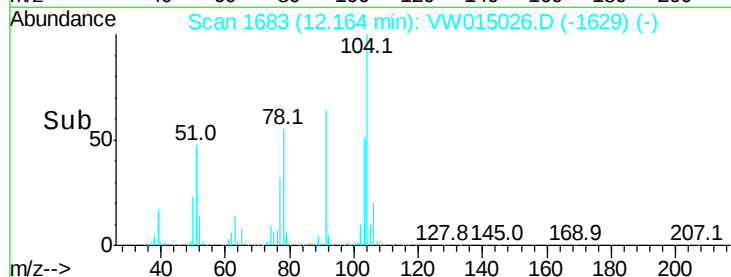
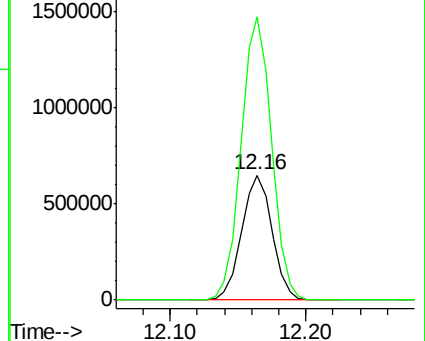
106 100

91 226.6 162.5 301.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 56.742 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW015026.D

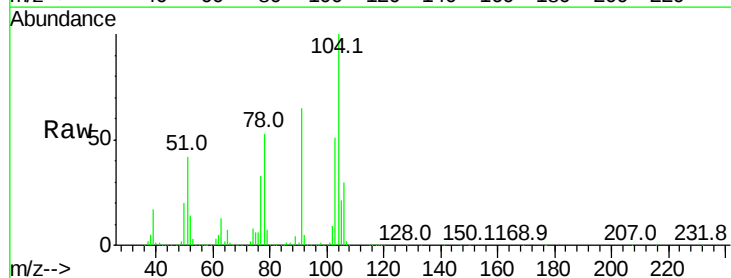
Acq: 24 Feb 2020 11:27

Tgt Ion:104 Resp: 1724529

Ion Ratio Lower Upper

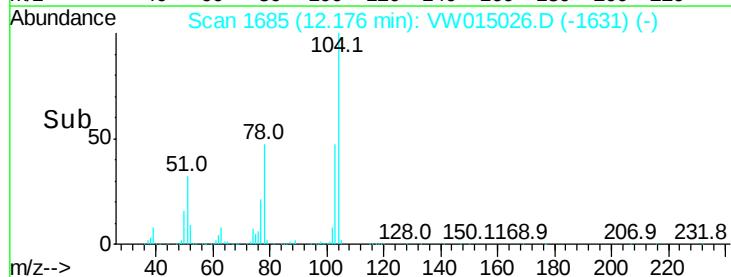
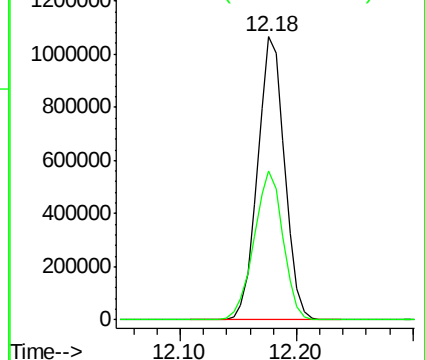
104 100

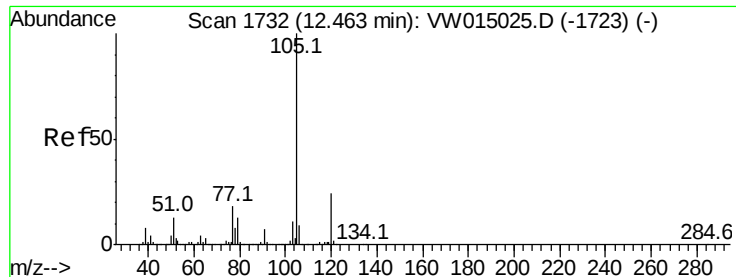
78 52.7 35.6 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 57.422 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

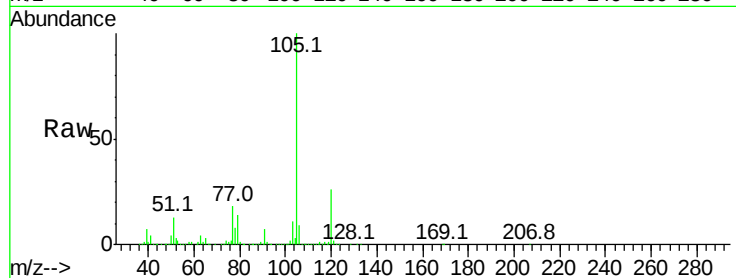
Tgt Ion: 105 Resp: 2773182

Ion Ratio Lower Upper

105 100

120 25.3 19.8 29.8

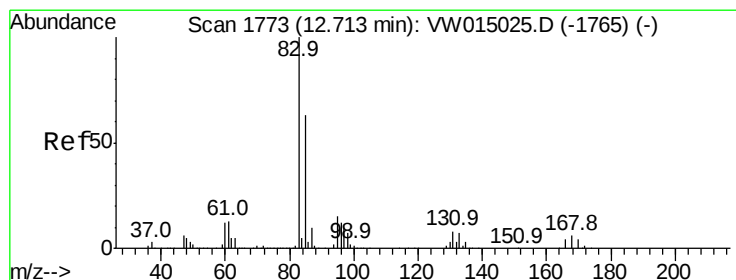
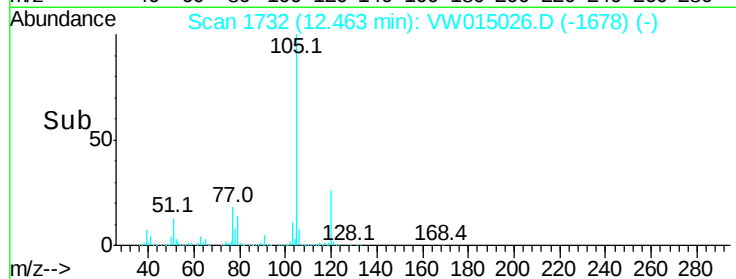
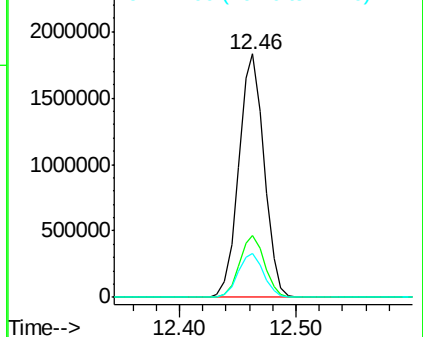
77 18.1 14.4 21.6



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: 46.890 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

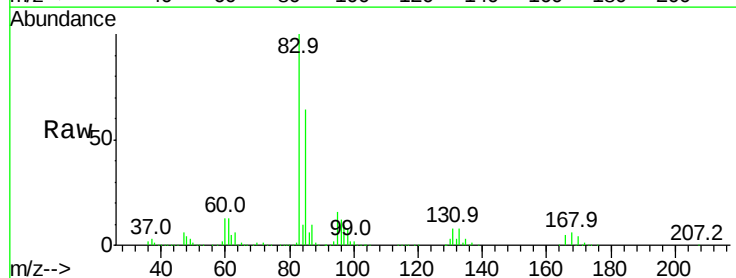
Tgt Ion: 83 Resp: 480237

Ion Ratio Lower Upper

83 100

85 64.1 44.2 82.0

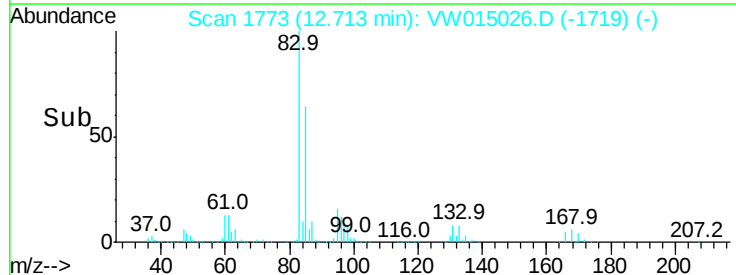
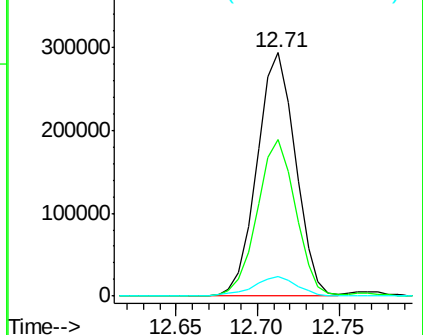
131 7.9 6.3 9.5

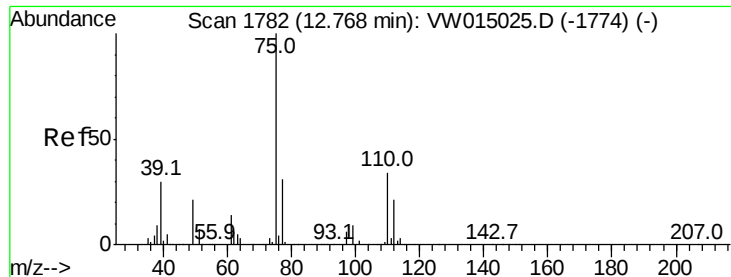


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.548 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampleId :

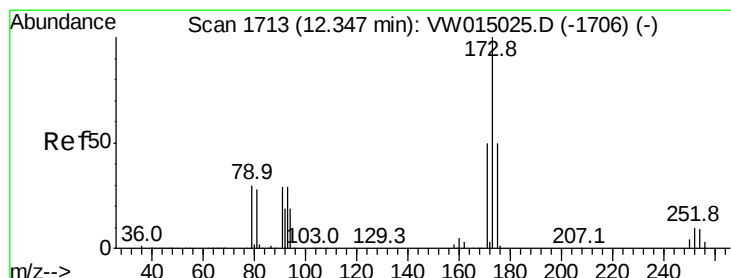
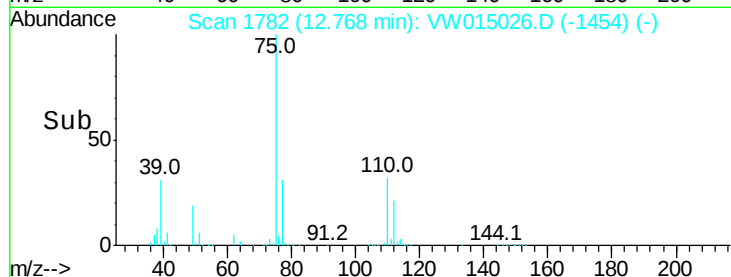
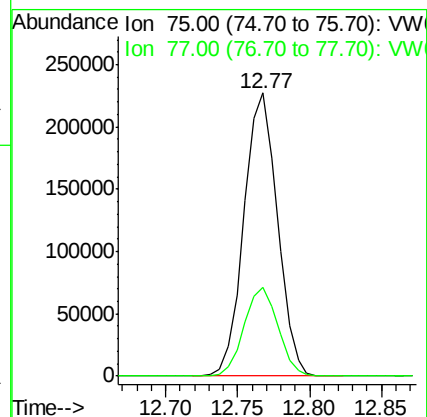
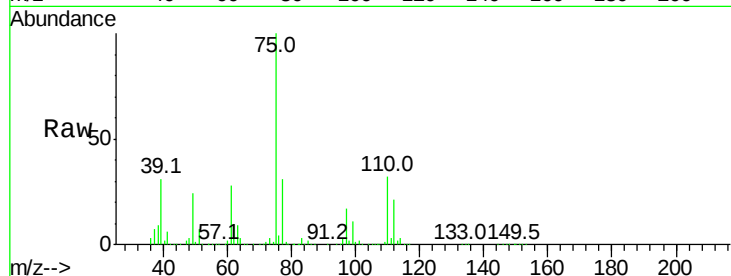
VSTD05004

Tgt Ion: 75 Resp: 366369

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0



#62

Bromoform

Concen: 44.642 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

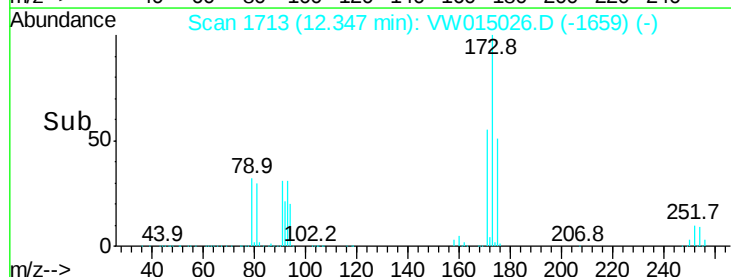
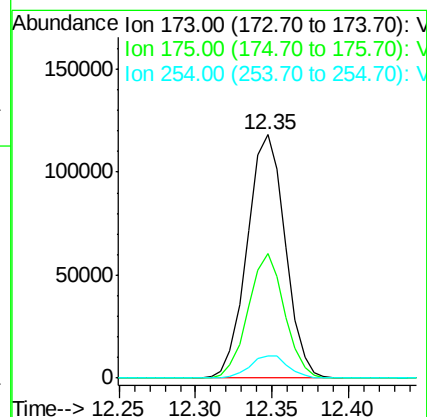
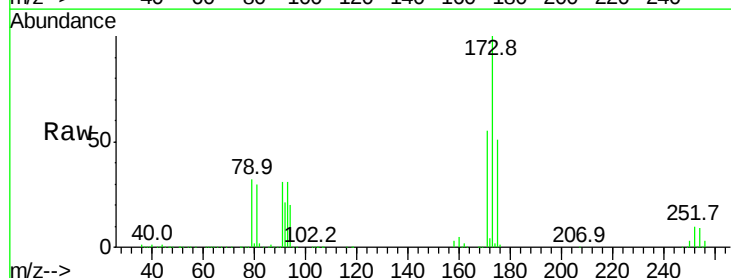
Tgt Ion: 173 Resp: 204619

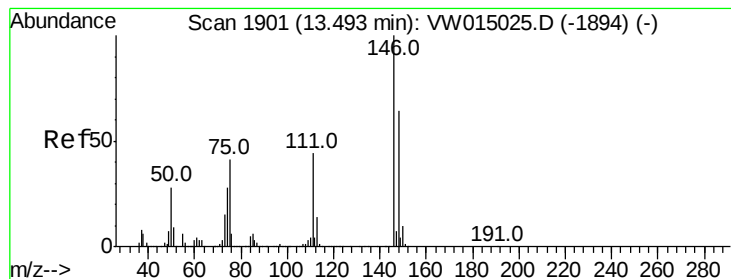
Ion Ratio Lower Upper

173 100

175 49.0 38.7 58.1

254 9.4 7.0 10.4





#63

1,3-Dichlorobenzene

Concen: 50.990 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

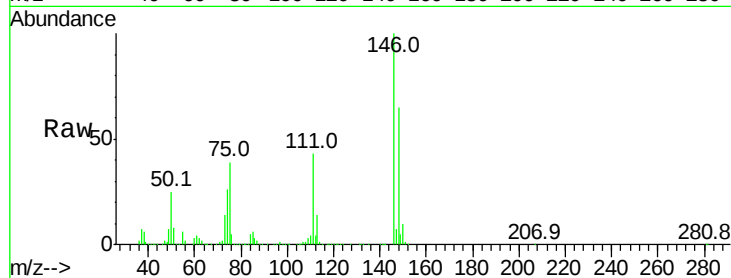
Tgt Ion:146 Resp: 1035624

Ion Ratio Lower Upper

146 100

111 43.3 30.9 57.3

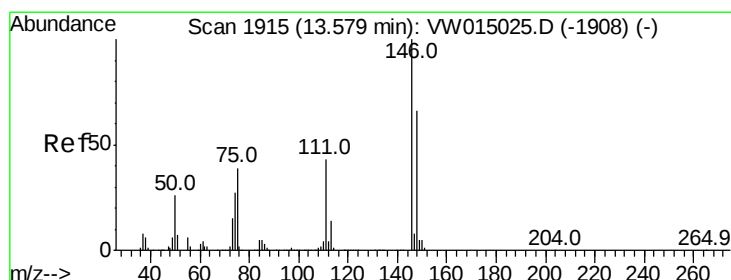
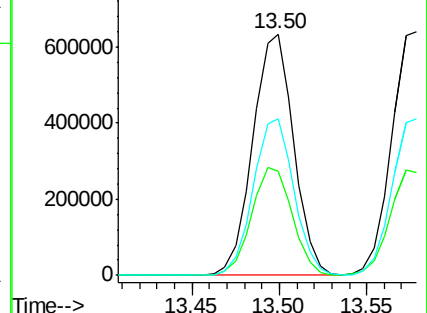
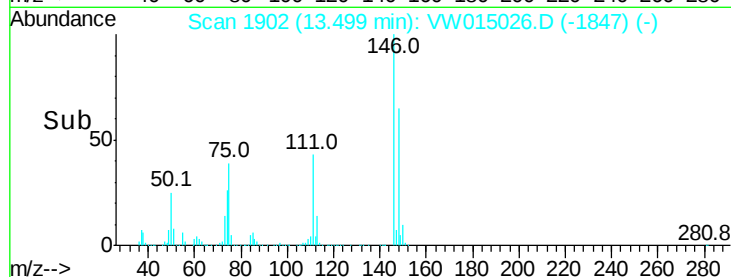
148 64.8 44.6 82.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 50.513 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

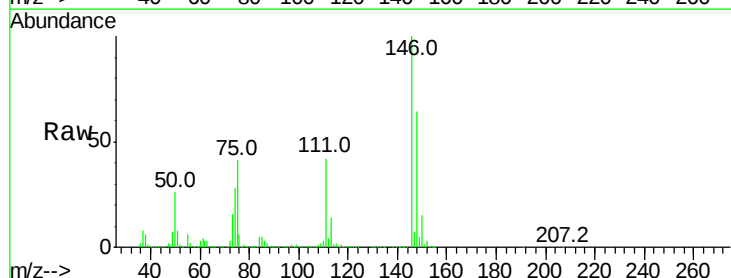
Tgt Ion:146 Resp: 1033440

Ion Ratio Lower Upper

146 100

111 42.2 29.9 55.5

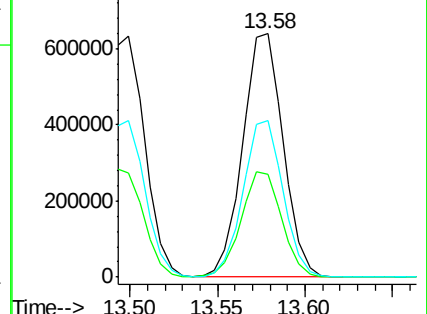
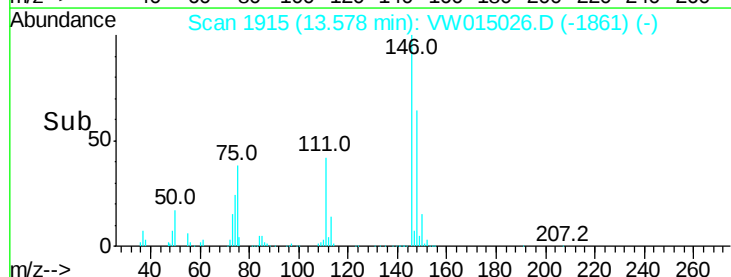
148 64.4 46.1 85.5

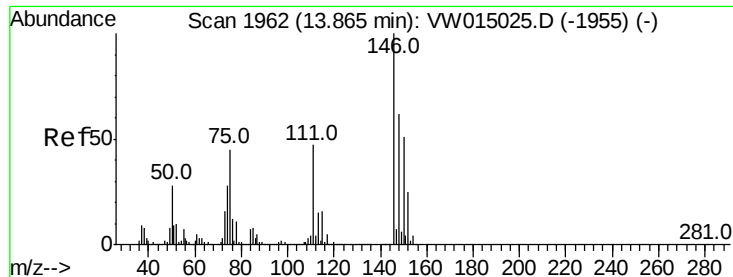


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.701 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampled :

VSTD05004

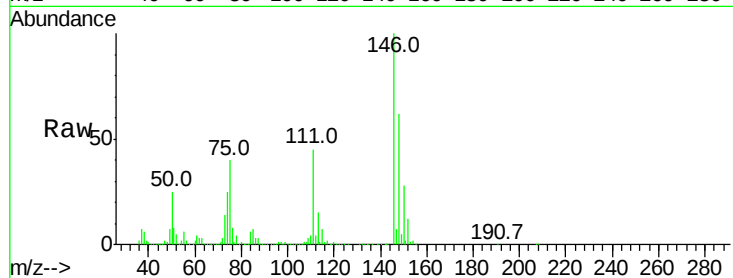
Tgt Ion:146 Resp: 923310

Ion Ratio Lower Upper

146 100

111 44.8 37.7 56.5

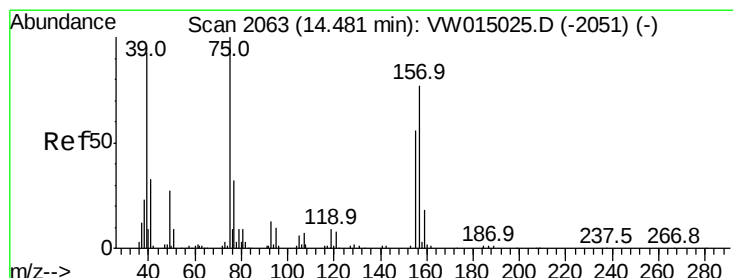
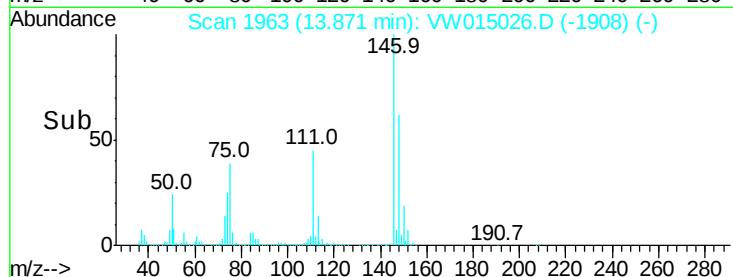
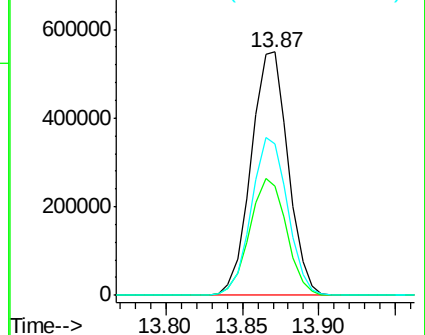
148 62.2 50.0 75.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 47.710 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

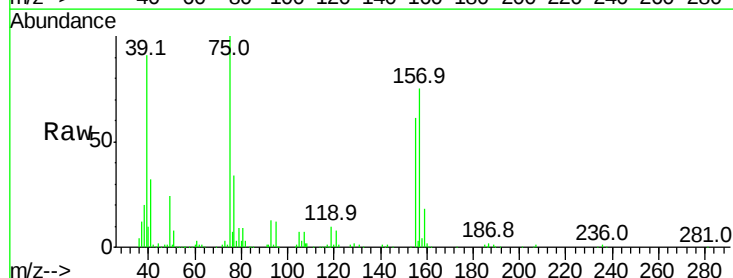
Tgt Ion: 75 Resp: 75571

Ion Ratio Lower Upper

75 100

157 74.7 61.4 92.0

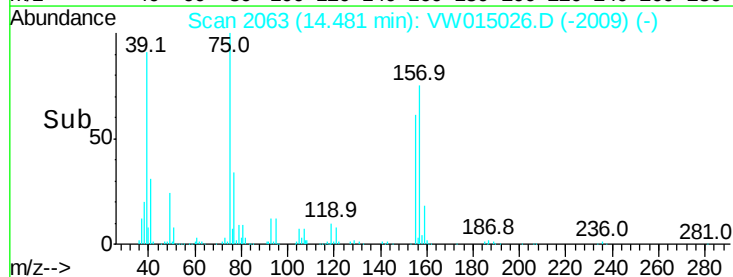
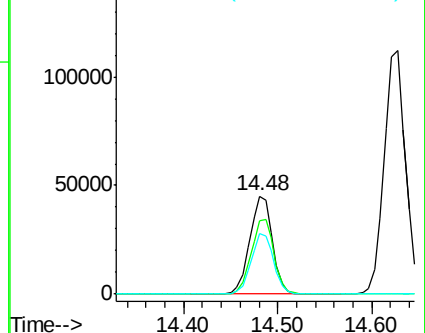
155 61.1 45.0 67.6

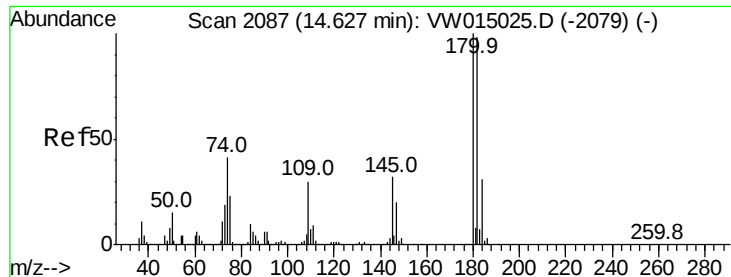


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

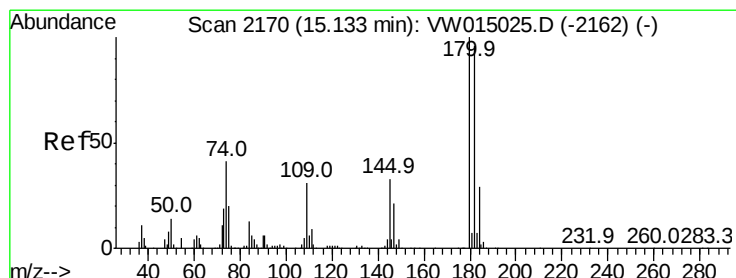
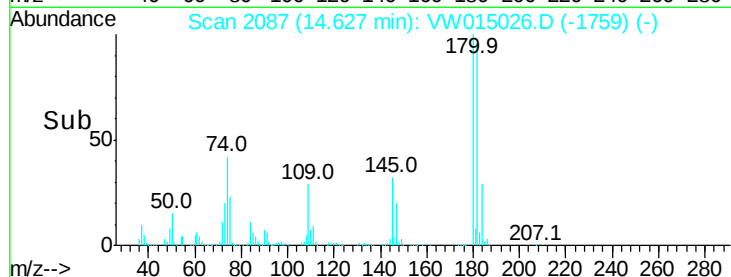
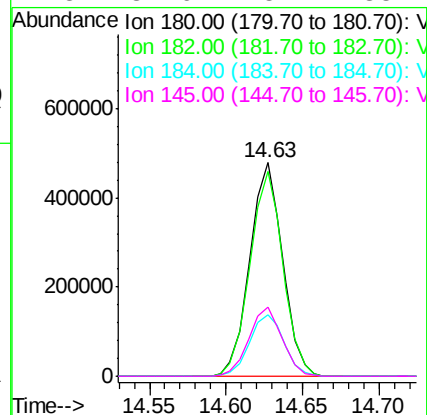
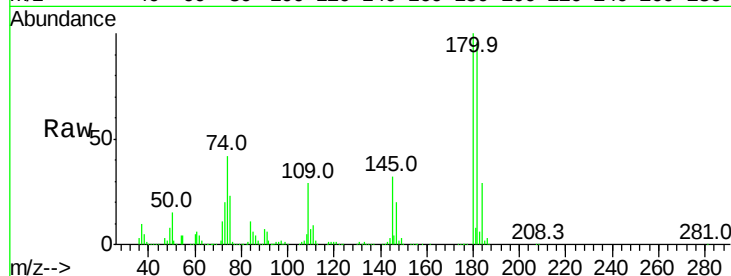




#67
 1,3,5-Trichlorobenzene
 Concen: 49.195 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015026.D
 Acq: 24 Feb 2020 11:27

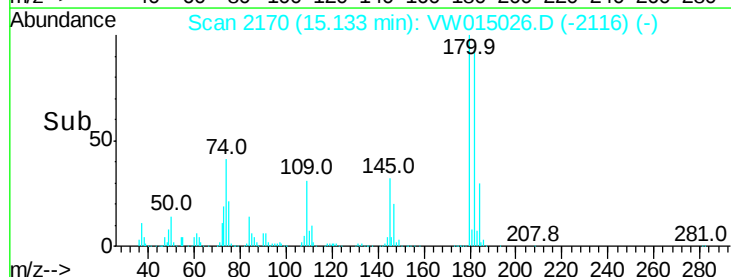
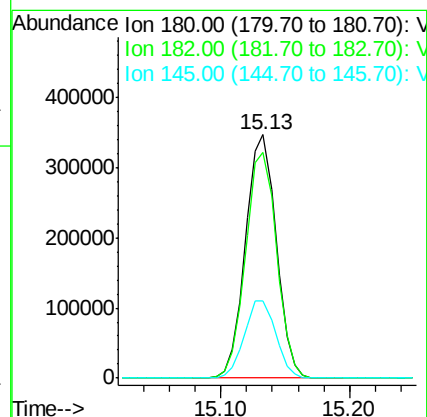
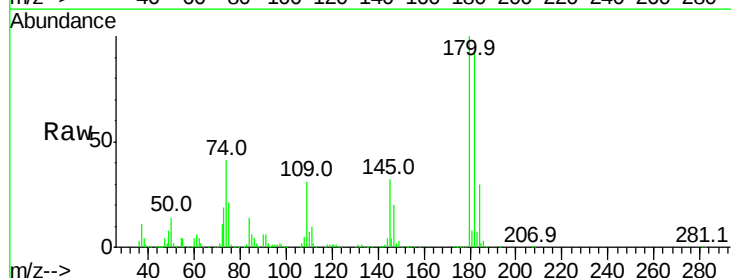
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05004

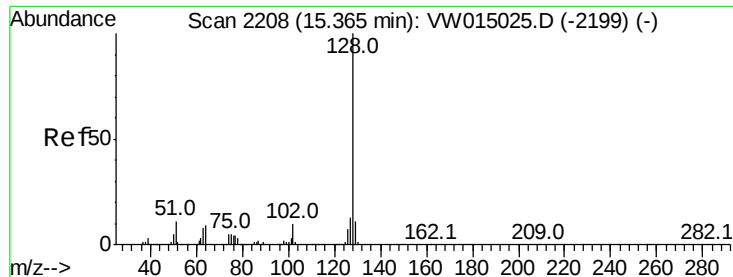
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	715609		
182	96.0		75.4	113.0
184	30.0		23.9	35.9
145	32.6		25.4	38.2



#68
 1,2,4-trichlorobenzene
 Concen: 49.739 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015026.D
 Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	571651		
182	93.9		75.7	113.5
145	32.6		25.9	38.9





#69

Naphthalene

Concen: 23.204 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD05004

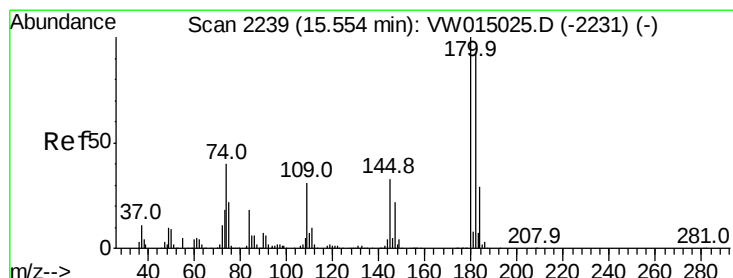
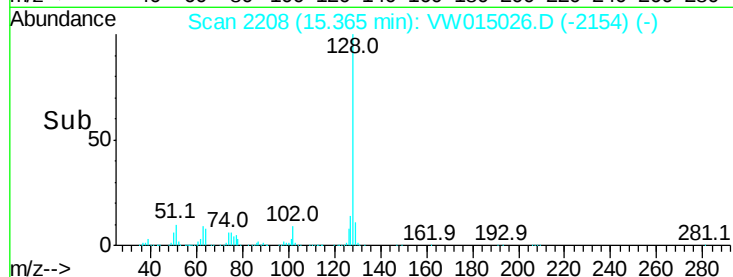
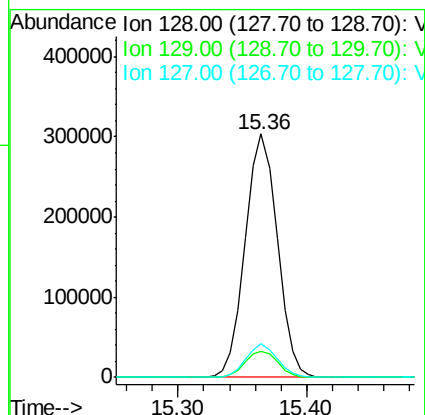
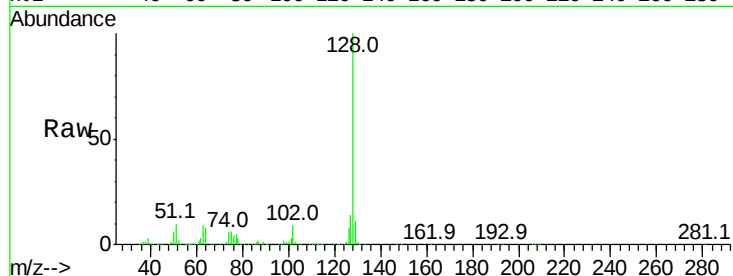
Tgt Ion:128 Resp: 524585

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 13.4 11.1 16.7



#70

1,2,3-Trichlorobenzene

Concen: 47.348 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015026.D

Acq: 24 Feb 2020 11:27

Tgt Ion:180 Resp: 502456

Ion Ratio Lower Upper

180 100

182 95.5 75.8 113.6

145 34.7 27.1 40.7

