

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082420\
 Data File : VW016324.D
 Acq On : 24 Aug 2020 11:48
 Operator : SY/VA
 Sample : VSTD05005
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

Quant Time: Aug 24 12:39:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 24 12:35:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	299749	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	273871	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	130331	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	137066	37.71	ug/L	0.00
7) Chloroethane-d5	2.89	69	113382	41.11	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	357256	45.44	ug/L	0.00
20) 2-Butanone-d5	7.08	46	95313	98.24	ug/L	0.00
24) Chloroform-d	7.65	84	380758	47.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	197863	46.31	ug/L	0.00
29) Benzene-d6	8.27	84	751876	49.79	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	209951	47.81	ug/L	0.00
37) Toluene-d8	10.33	98	718332	51.72	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	105196	52.11	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	71092	95.57	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	183962	50.79	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	247659	51.80	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	162176	53.825 ug/L	100
3) Chloromethane	2.21	50	123870	42.679 ug/L	99
5) Vinyl chloride	2.36	62	172531	44.777 ug/L	96
6) Bromomethane	2.78	94	115110	47.181 ug/L	99
8) Chloroethane	2.92	64	100024	45.961 ug/L	95
9) Trichlorofluoromethane	3.26	101	204647	67.847 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	213734	52.678 ug/L	98
12) 1,1-Dichloroethene	4.04	96	203269	52.797 ug/L	96
13) Acetone	4.12	43	79513	106.322 ug/L	99
14) Carbon disulfide	4.38	76	594697	50.162 ug/L	99
15) Methyl Acetate	4.67	43	83808	48.927 ug/L	98
16) Methylene chloride	4.92	84	208264	43.990 ug/L	94
17) Methyl tert-butyl Ether	5.42	73	314610	57.059 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	215020	53.371 ug/L	99
19) 1,1-Dichloroethane	6.21	63	353214	49.985 ug/L	98
21) 2-Butanone	7.17	43	116267	99.854 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	231023	54.065 ug/L	98
23) Bromochloromethane	7.51	128	105728	53.719 ug/L	94
25) Chloroform	7.68	83	383677	50.790 ug/L	98
27) 1,2-Dichloroethane	8.40	62	243422	48.936 ug/L	100
30) Cyclohexane	7.96	56	319698	54.282 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	344248	54.499 ug/L	100
32) Carbon tetrachloride	8.07	117	328706	55.039 ug/L	99
34) Benzene	8.33	78	822521	52.451 ug/L	100
35) Trichloroethene	9.09	95	231796	54.412 ug/L	99
36) Methylcyclohexane	9.34	83	384619	55.060 ug/L	99
40) 1,2-Dichloropropane	9.37	63	192335	50.469 ug/L	99
41) Bromodichloromethane	9.65	83	281752	53.067 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	332917	56.312 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	243377	105.788 ug/L	99

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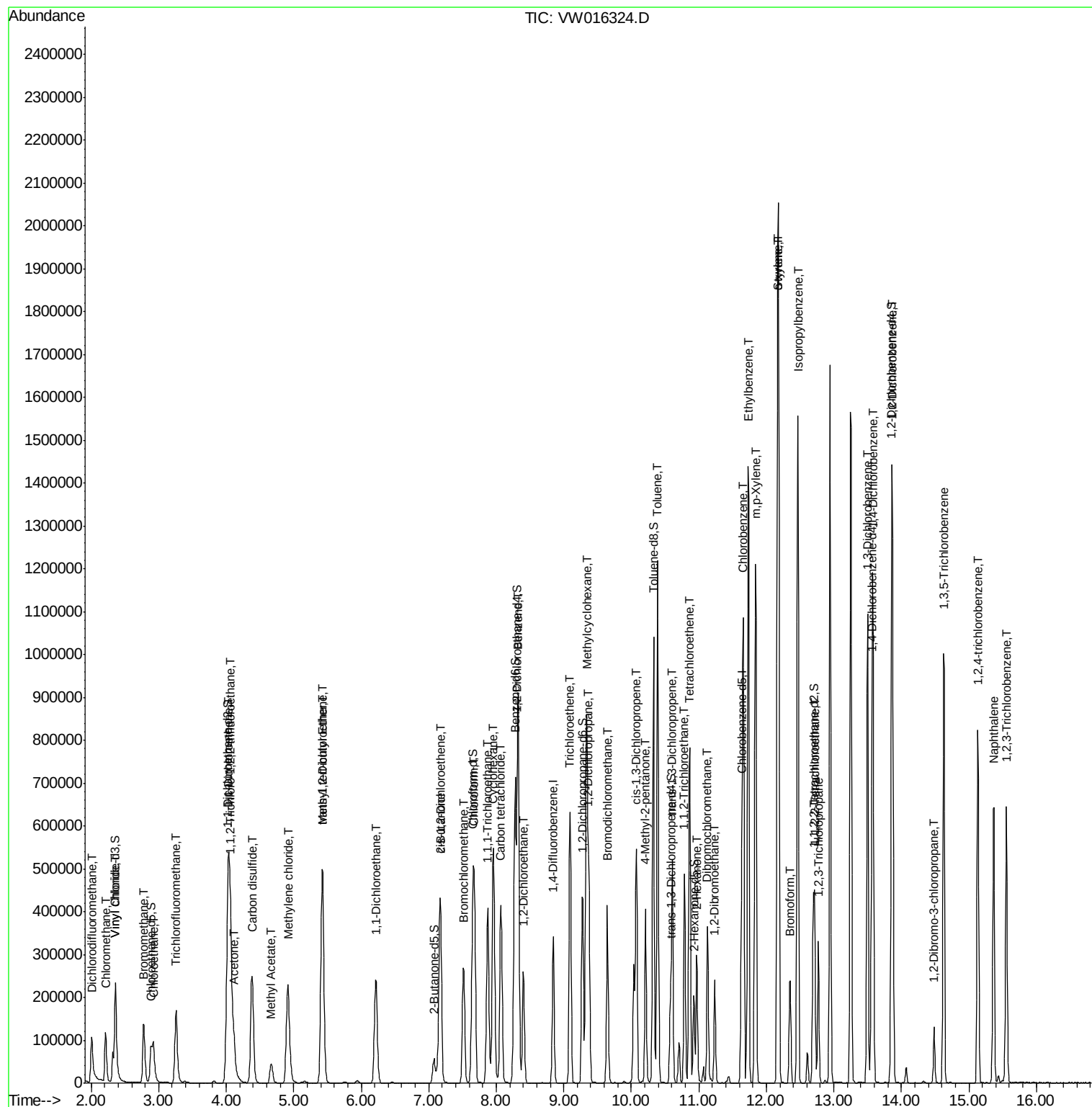
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	904402	54.398	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	298751	56.232	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	163273	53.431	ug/L	98
47) Tetrachloroethene	10.87	164	176806	54.724	ug/L	96
49) 2-Hexanone	10.97	43	168548	109.483	ug/L	99
50) Dibromochloromethane	11.13	129	205685	56.381	ug/L	100
51) 1,2-Dibromoethane	11.24	107	160613	55.177	ug/L	96
52) Chlorobenzene	11.66	112	590757	53.341	ug/L	100
53) Ethylbenzene	11.73	91	1037719	54.891	ug/L	100
54) m,p-Xylene	11.84	106	400632	56.016	ug/L	99
55) o-xylene	12.17	106	379513	56.565	ug/L	98
56) Styrene	12.18	104	650768	56.156	ug/L	97
57) Isopropylbenzene	12.47	105	1054616	57.933	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	190886	53.487	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	142291	52.853	ug/L	98
62) Bromoform	12.35	173	116904	58.369	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	456822	55.184	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	455056	53.626	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	407550	53.843	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	34093	51.642	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	313752	58.422	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	254365	58.170	ug/L	98
69) Naphthalene	15.37	128	564323	61.873	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	219134	55.910	ug/L	96

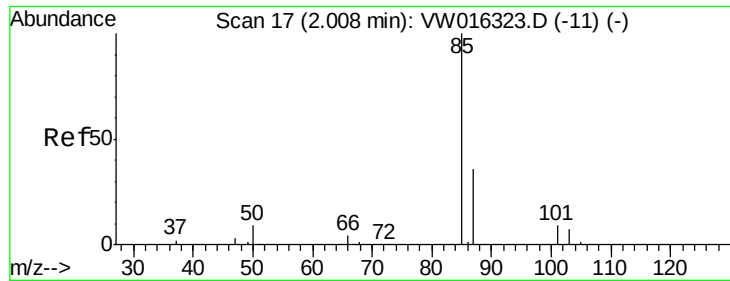
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 53.825 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

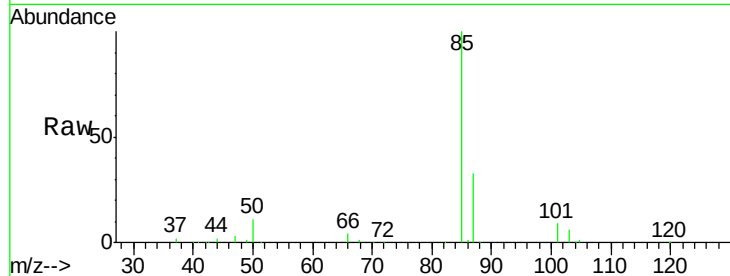
VSTD05005

Tgt Ion: 85 Resp: 162176

Ion Ratio Lower Upper

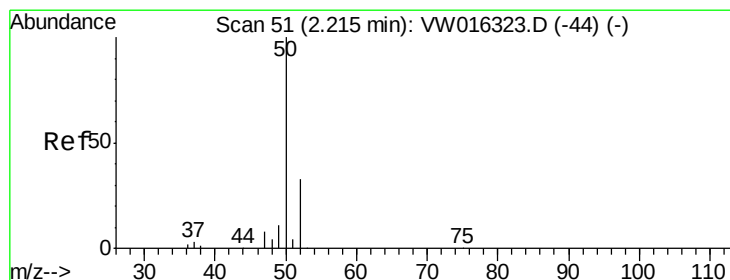
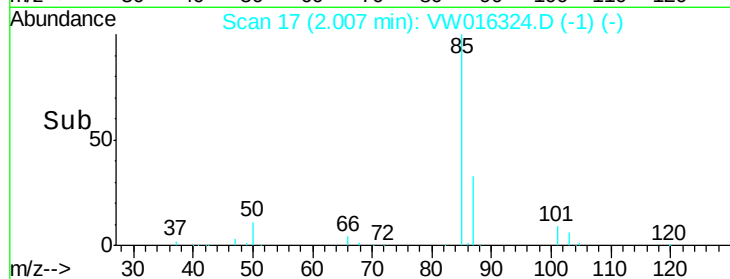
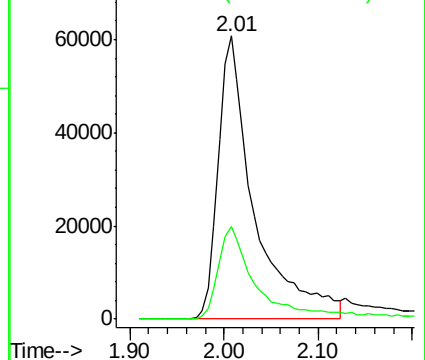
85 100

87 30.8 21.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 42.679 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016324.D

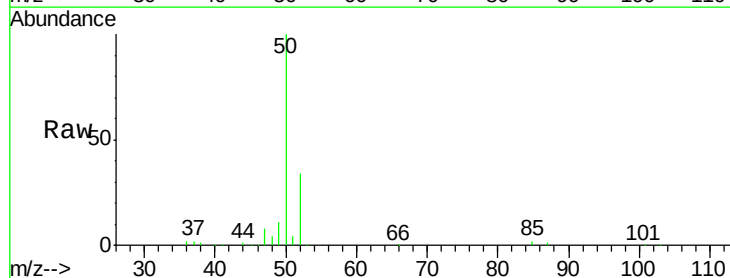
Acq: 24 Aug 2020 11:48

Tgt Ion: 50 Resp: 123870

Ion Ratio Lower Upper

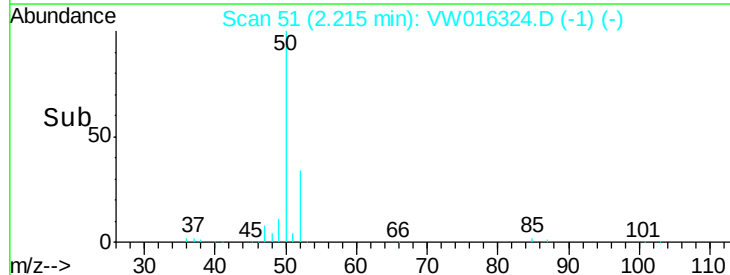
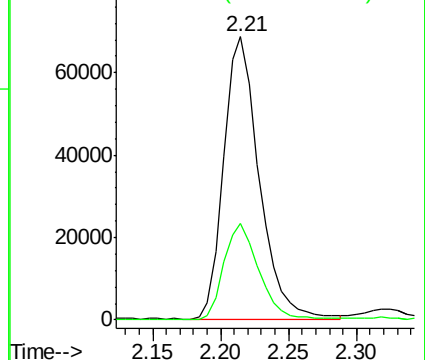
50 100

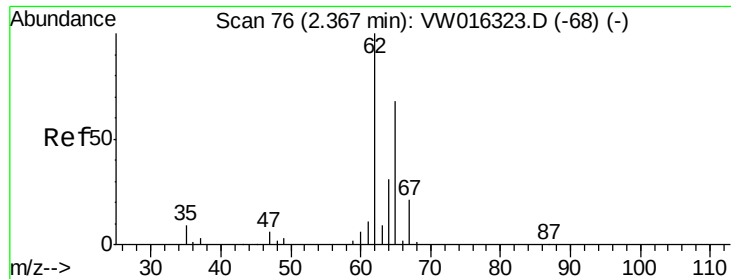
52 34.1 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 44.777 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

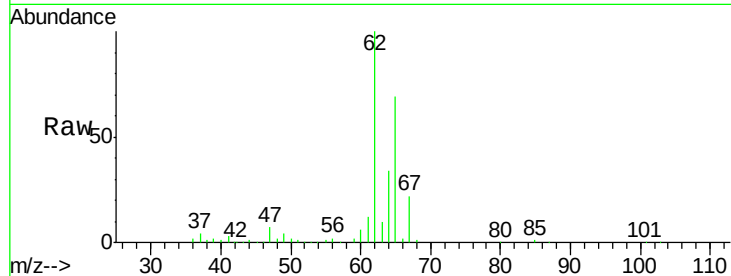
VSTD05005

Tgt Ion: 62 Resp: 172531

Ion Ratio Lower Upper

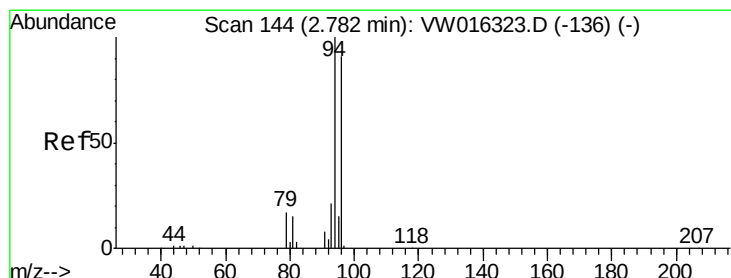
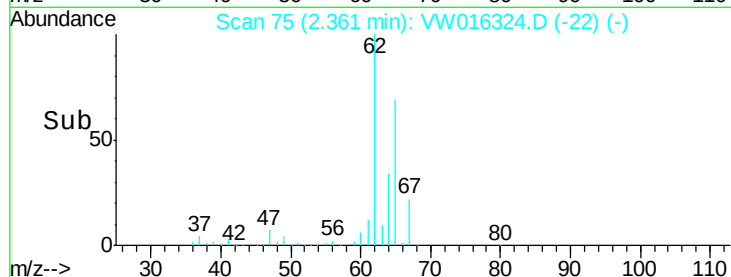
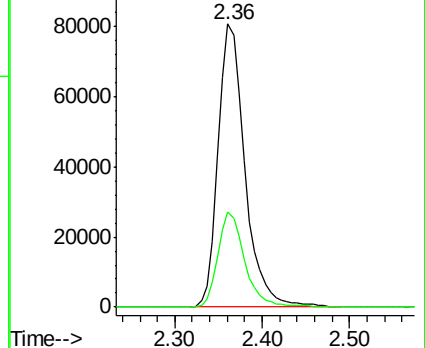
62 100

64 33.6 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 47.181 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW016324.D

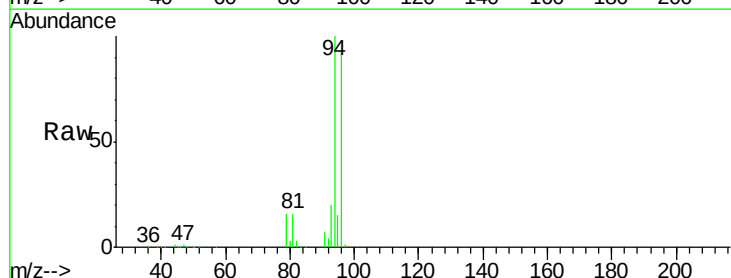
Acq: 24 Aug 2020 11:48

Tgt Ion: 94 Resp: 115110

Ion Ratio Lower Upper

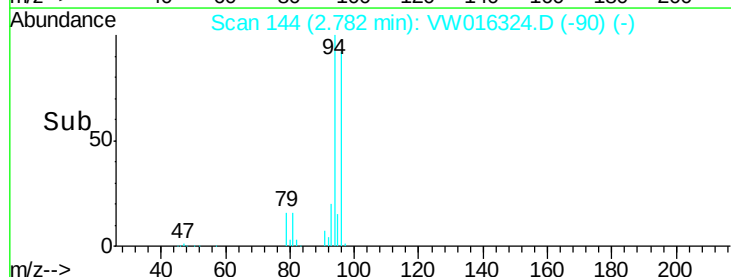
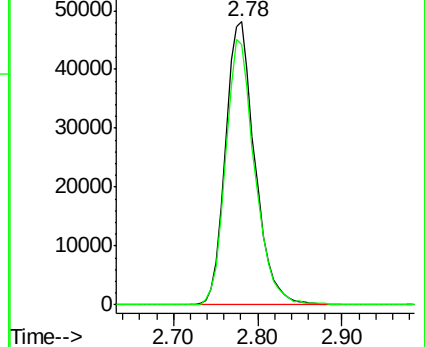
94 100

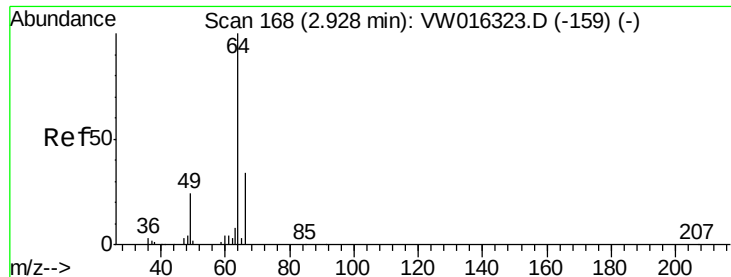
96 92.0 9.3 176.7



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 45.961 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

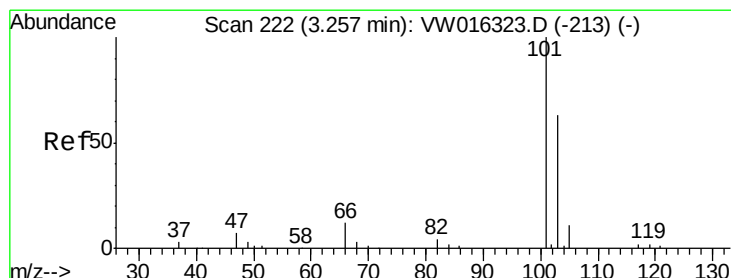
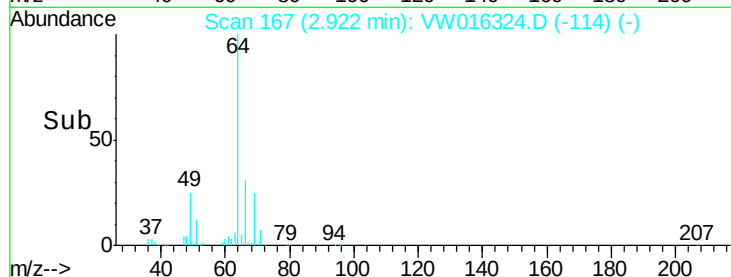
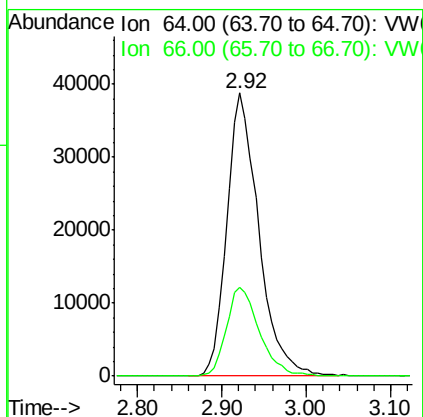
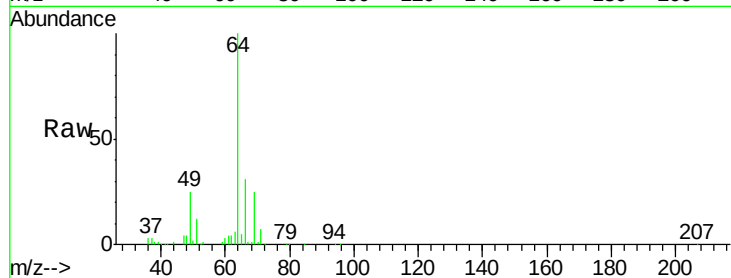
VSTD05005

Tgt Ion: 64 Resp: 100024

Ion Ratio Lower Upper

64 100

66 31.4 24.1 44.8



#9

Trichlorofluoromethane

Concen: 67.847 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW016324.D

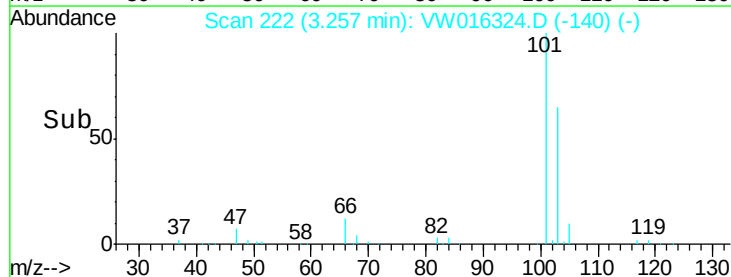
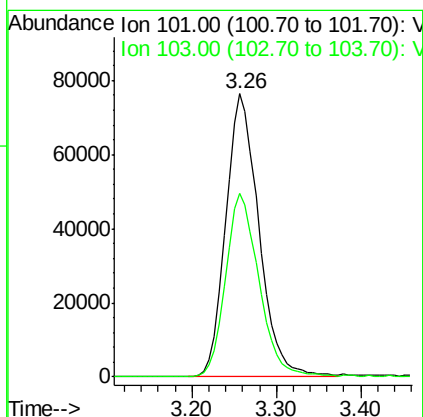
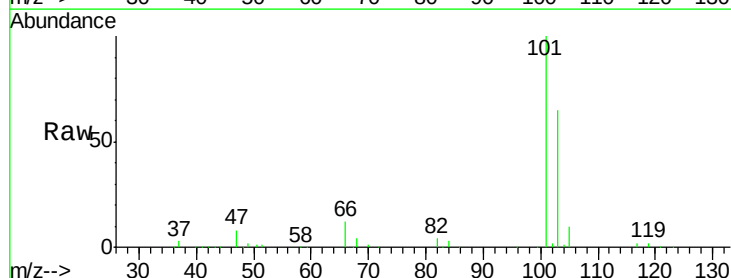
Acq: 24 Aug 2020 11:48

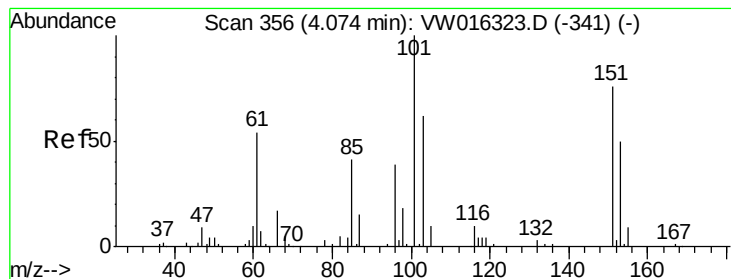
Tgt Ion: 101 Resp: 204647

Ion Ratio Lower Upper

101 100

103 65.1 44.8 83.2





#11

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

Concen: 52.678 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

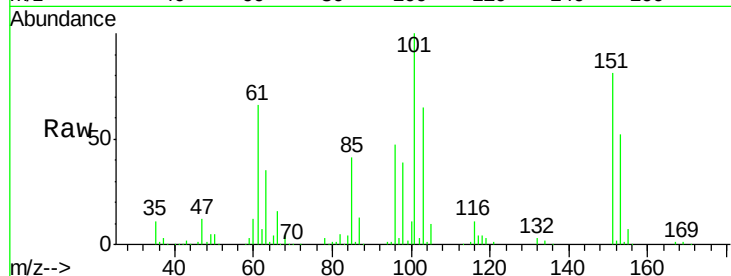
Tgt Ion: 101 Resp: 213734

Ion Ratio Lower Upper

101 100

85 40.5 31.8 47.6

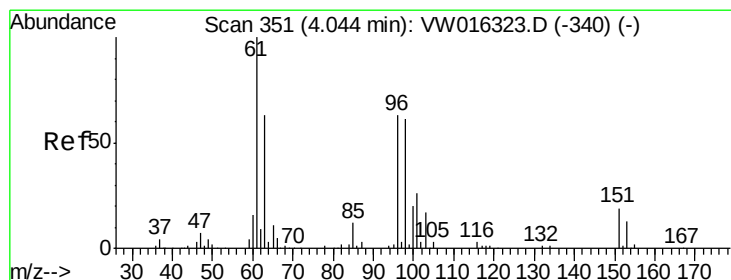
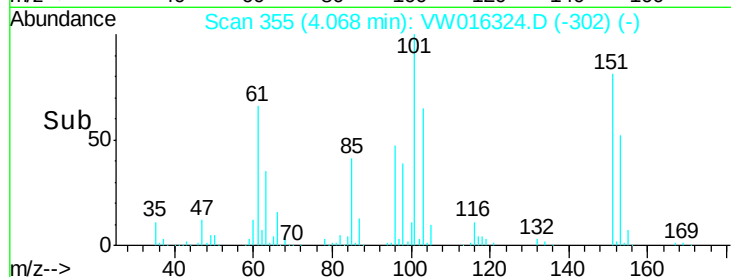
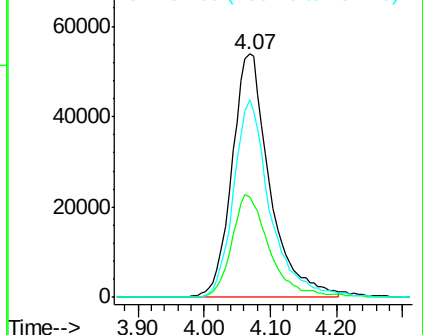
151 78.6 60.9 91.3



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: 52.797 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

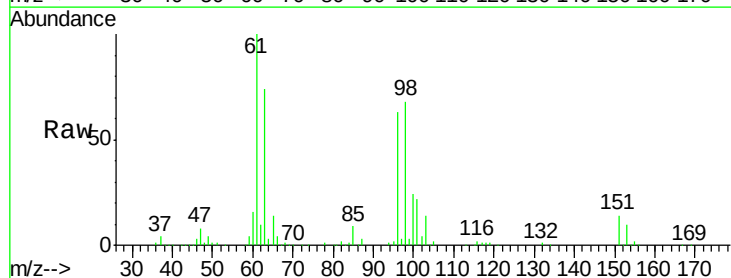
Tgt Ion: 96 Resp: 203269

Ion Ratio Lower Upper

96 100

61 157.8 112.3 208.5

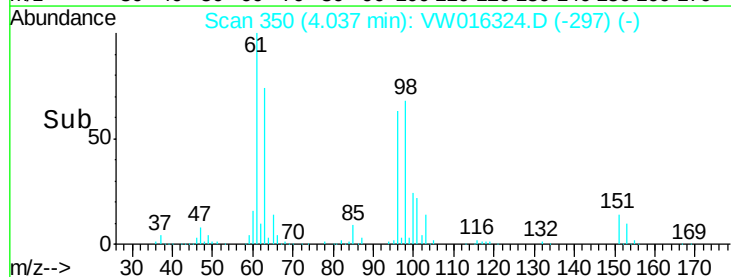
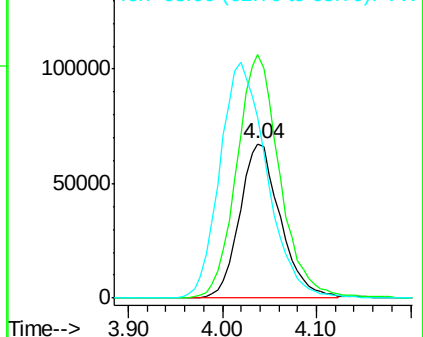
63 116.9 77.3 143.7

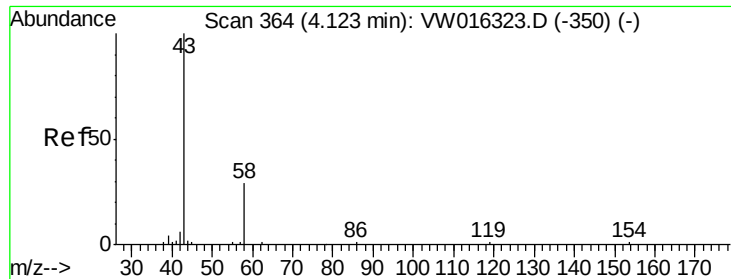


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 106.322 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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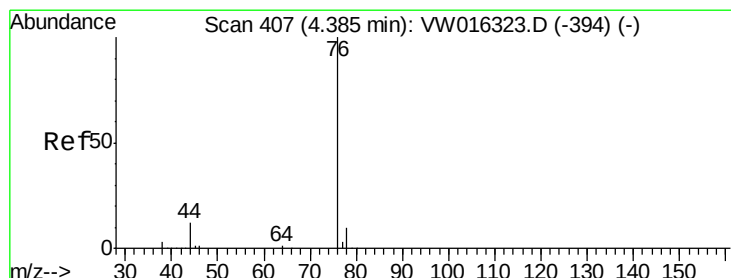
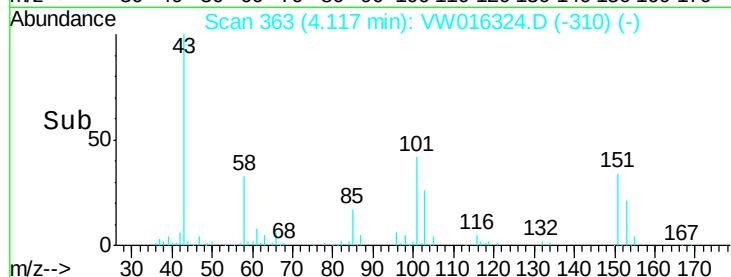
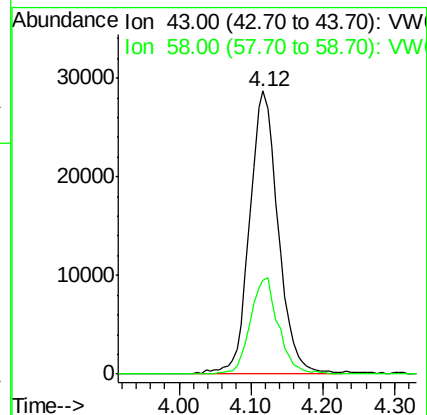
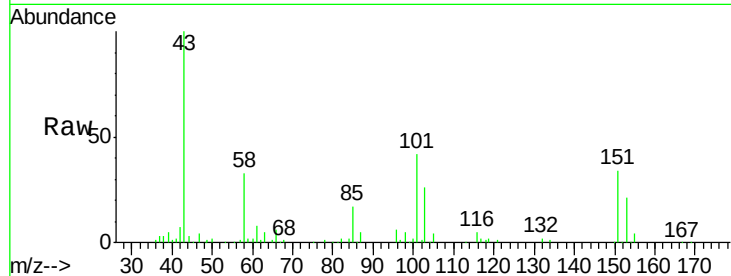
VSTD05005

Tgt Ion: 43 Resp: 79513

Ion Ratio Lower Upper

43 100

58 32.6 0.0 63.8



#14

Carbon disulfide

Concen: 50.162 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW016324.D

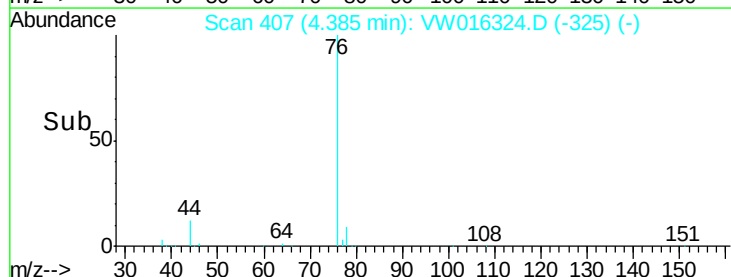
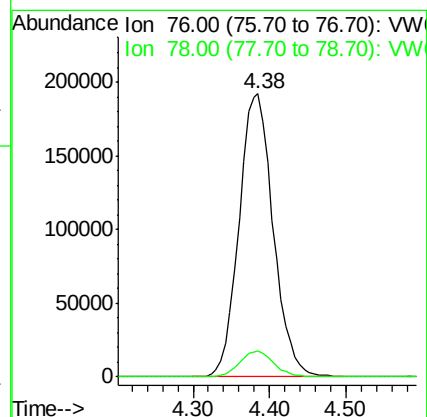
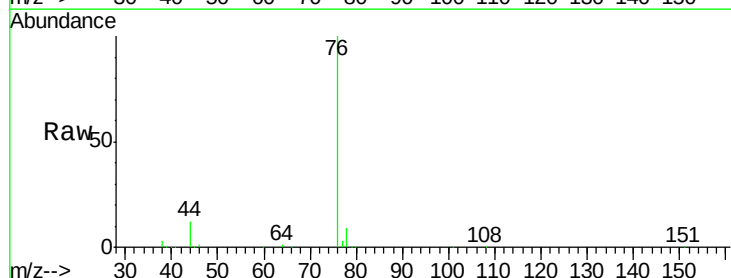
Acq: 24 Aug 2020 11:48

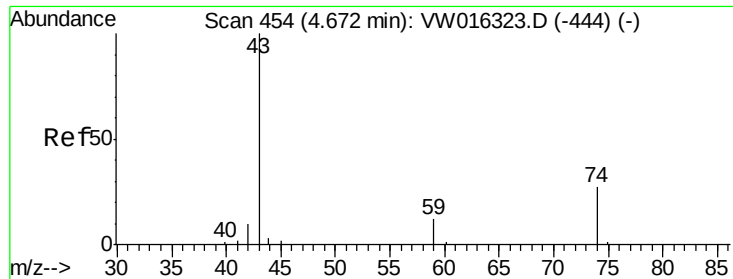
Tgt Ion: 76 Resp: 594697

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5





#15

Methyl Acetate

Concen: 48.927 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

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Acq: 24 Aug 2020 11:48

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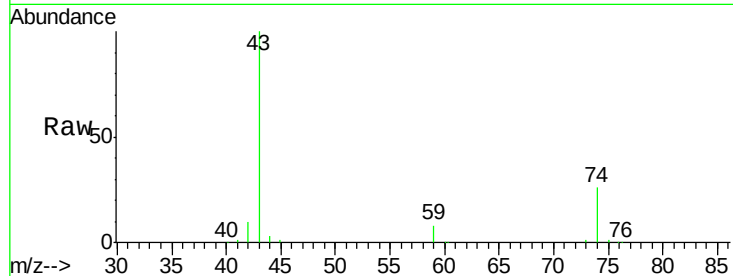
VSTD05005

Tgt Ion: 43 Resp: 83808

Ion Ratio Lower Upper

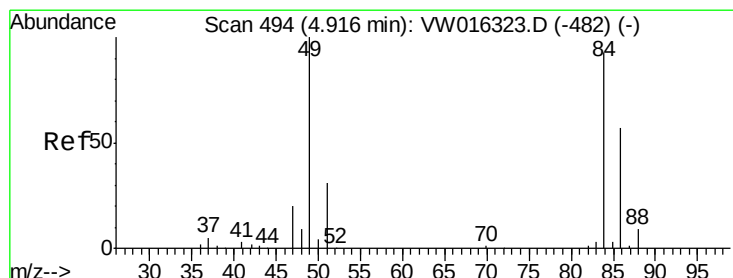
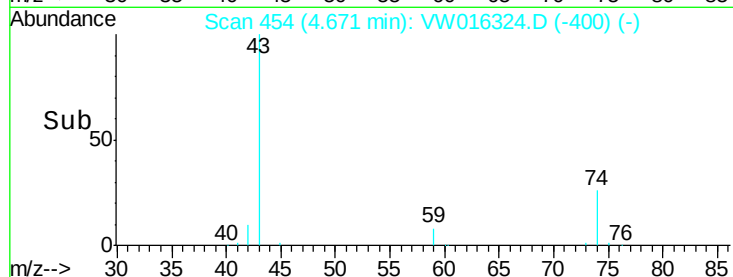
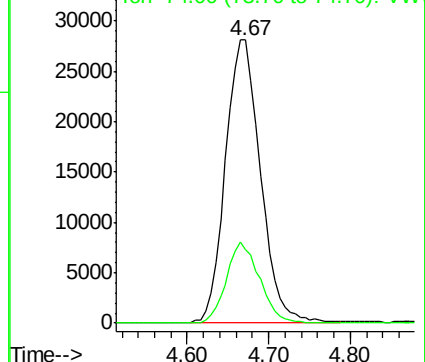
43 100

74 27.2 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 43.990 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

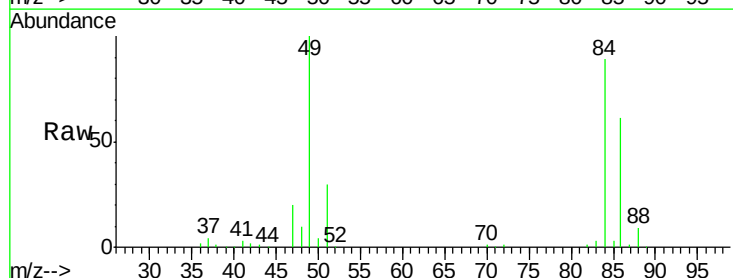
Tgt Ion: 84 Resp: 208264

Ion Ratio Lower Upper

84 100

49 112.3 75.3 139.9

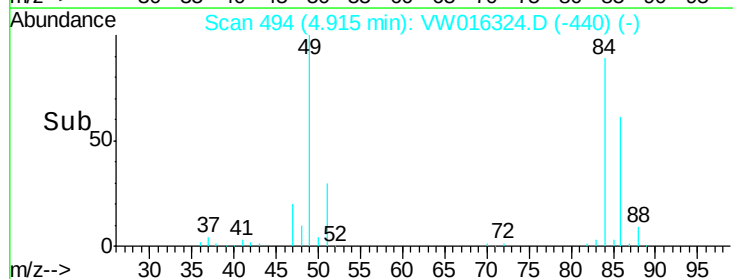
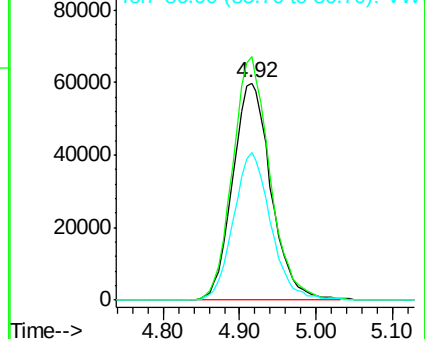
86 68.4 43.3 80.3

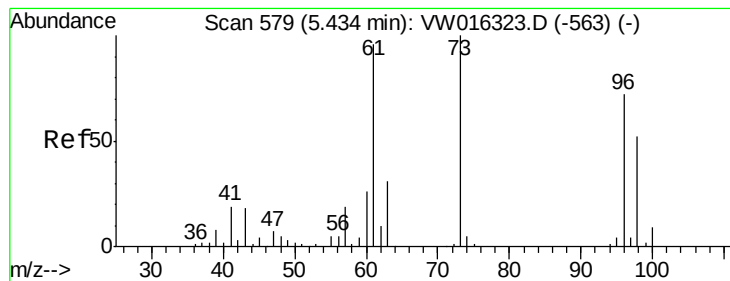


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 57.059 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

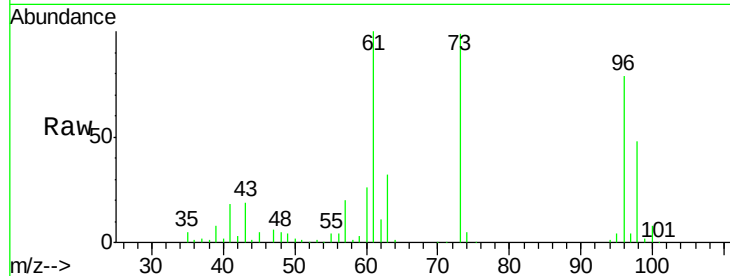
Tgt Ion: 73 Resp: 314610

Ion Ratio Lower Upper

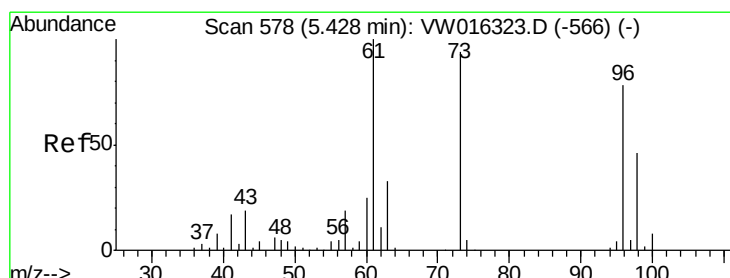
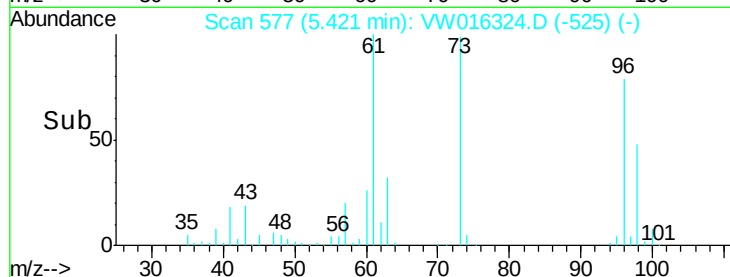
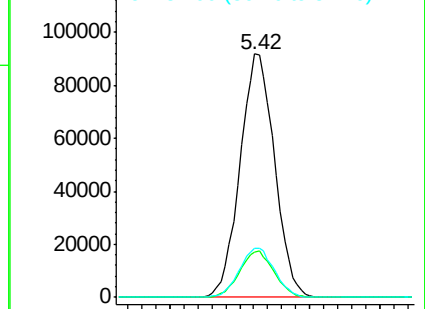
73 100

43 19.0 15.3 22.9

57 20.4 16.1 24.1



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 53.371 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

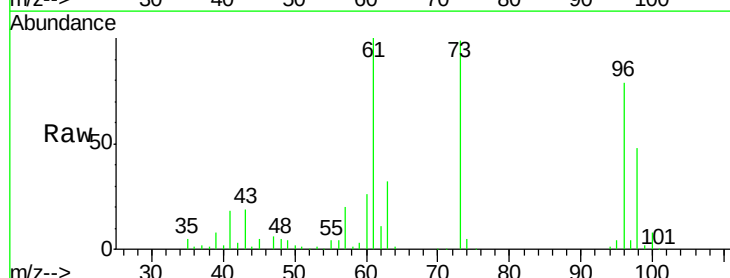
Tgt Ion: 96 Resp: 215020

Ion Ratio Lower Upper

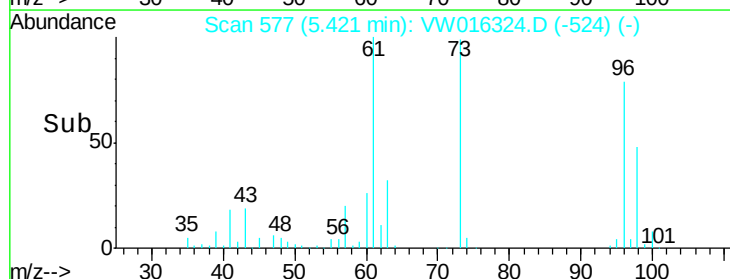
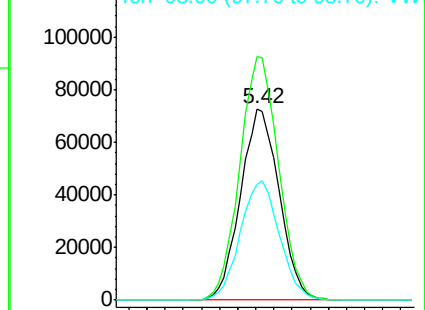
96 100

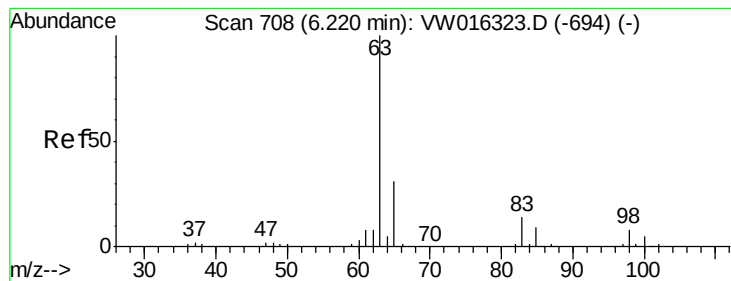
61 127.0 89.9 167.0

98 60.6 41.6 77.2



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 49.985 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

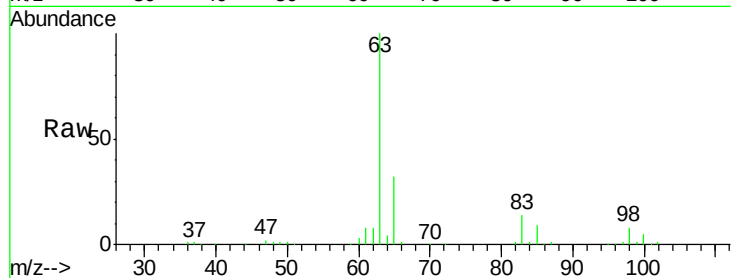
Tgt Ion: 63 Resp: 353214

Ion Ratio Lower Upper

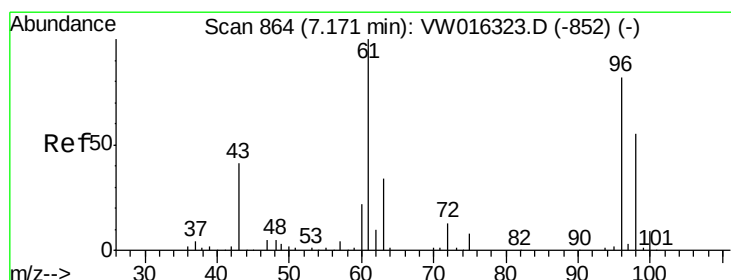
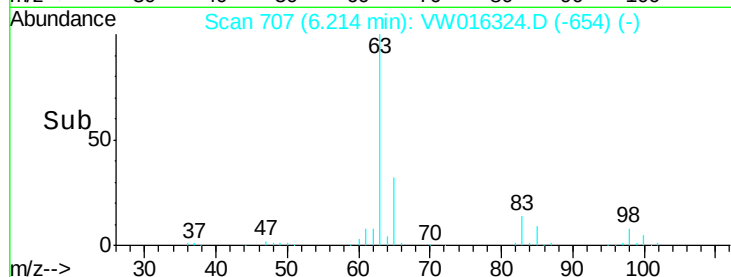
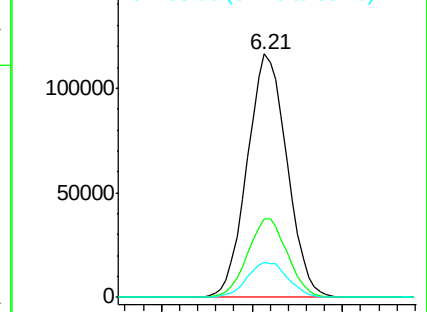
63 100

65 32.4 21.8 40.6

83 14.2 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 99.854 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW016324.D

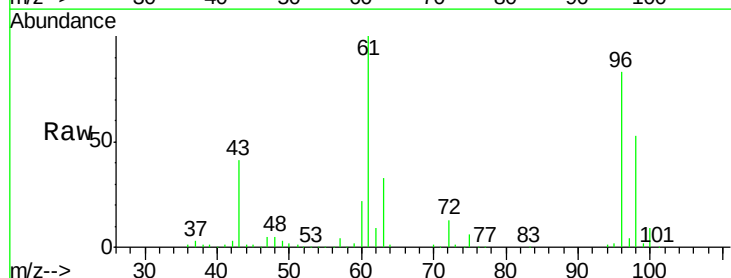
Acq: 24 Aug 2020 11:48

Tgt Ion: 43 Resp: 116267

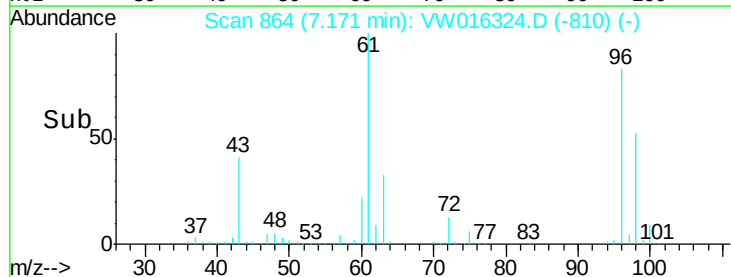
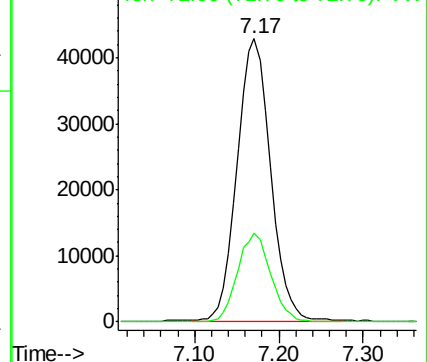
Ion Ratio Lower Upper

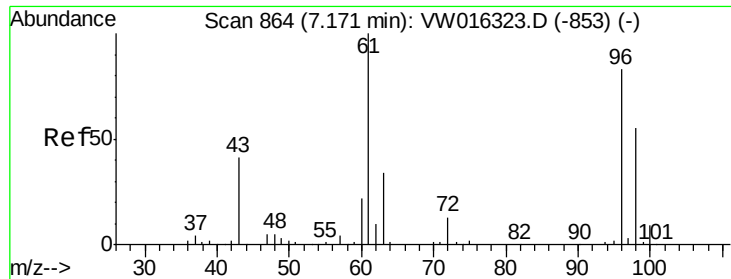
43 100

72 30.8 16.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



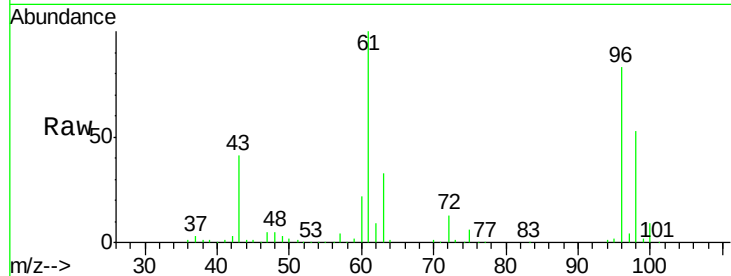


#22

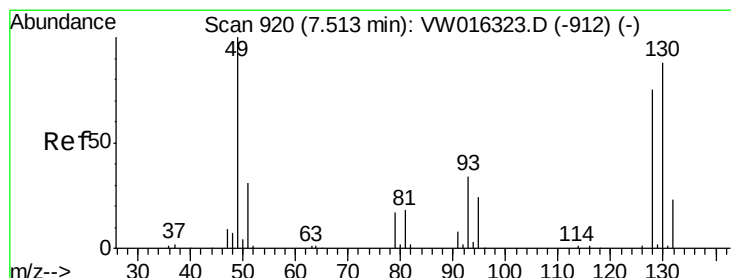
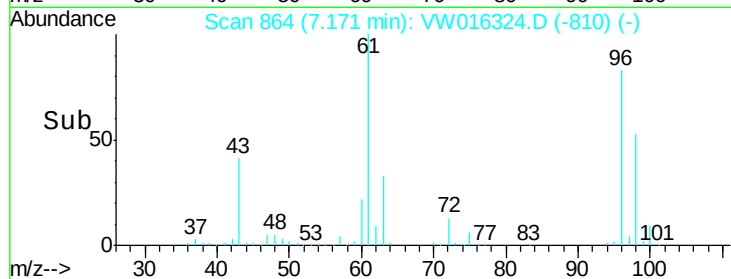
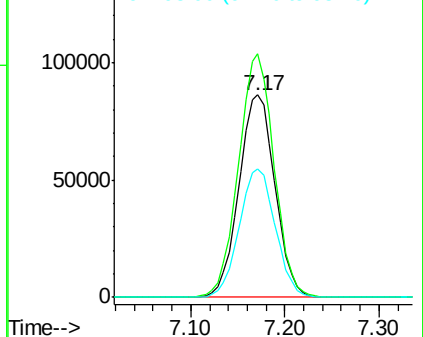
cis-1,2-Dichloroethene
 Concen: 54.065 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016324.D
 Acq: 24 Aug 2020 11:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

Tgt Ion: 96 Resp: 231023
 Ion Ratio Lower Upper
 96 100
 61 120.2 84.9 157.7
 98 63.6 46.8 86.8



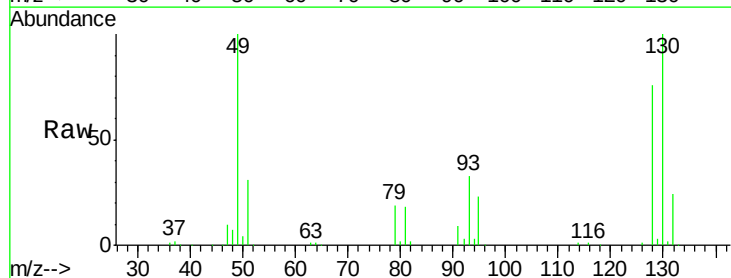
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



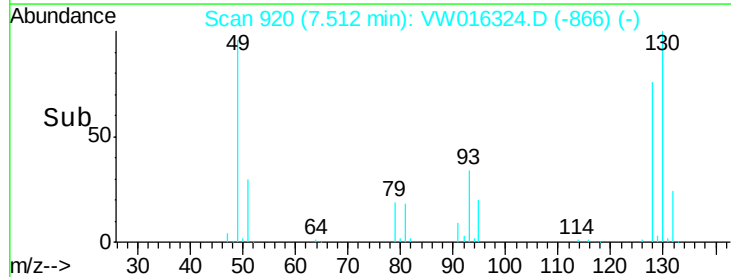
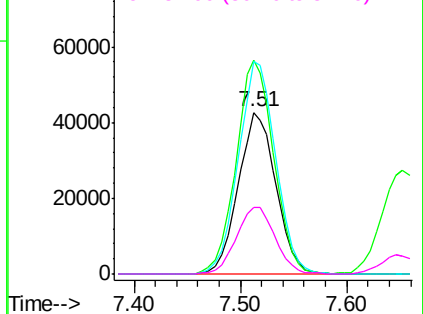
#23

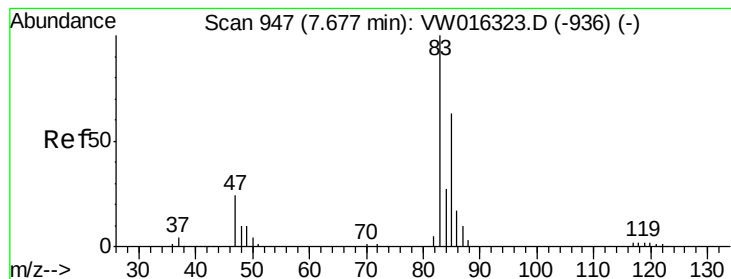
Bromochloromethane
 Concen: 53.719 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW016324.D
 Acq: 24 Aug 2020 11:48

Tgt Ion: 128 Resp: 105728
 Ion Ratio Lower Upper
 128 100
 49 132.3 94.5 175.5
 130 132.0 83.0 154.1
 51 41.0 33.4 50.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 50.790 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

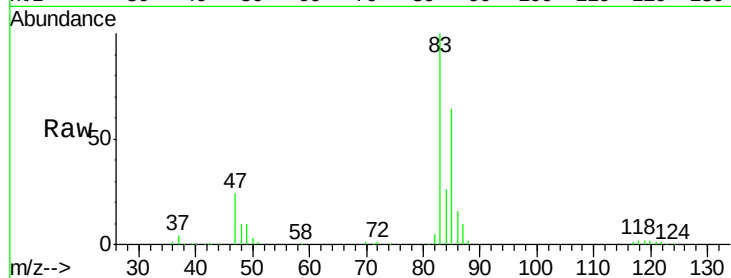
VSTD05005

Tgt Ion: 83 Resp: 383677

Ion Ratio Lower Upper

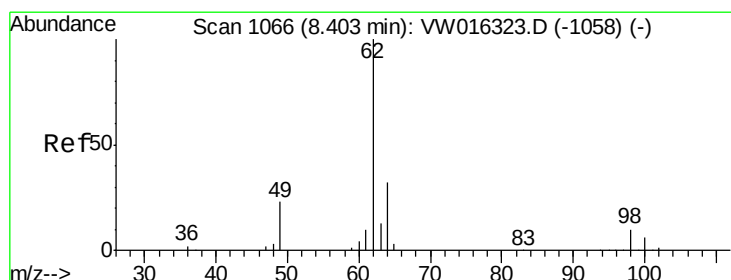
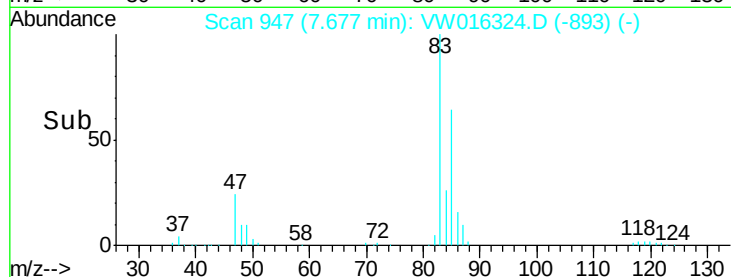
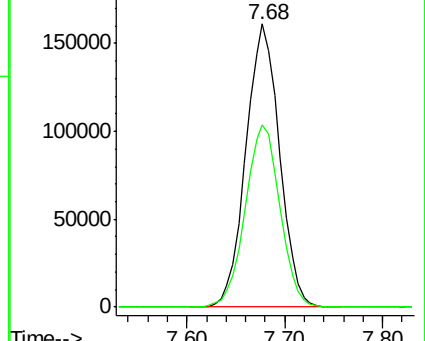
83 100

85 66.4 45.3 84.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 48.936 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016324.D

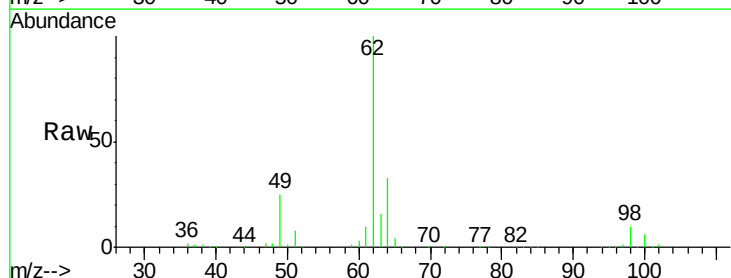
Acq: 24 Aug 2020 11:48

Tgt Ion: 62 Resp: 243422

Ion Ratio Lower Upper

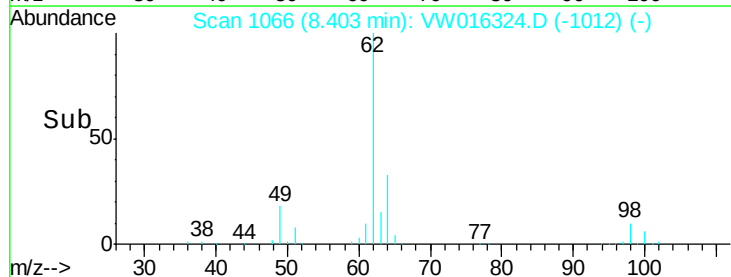
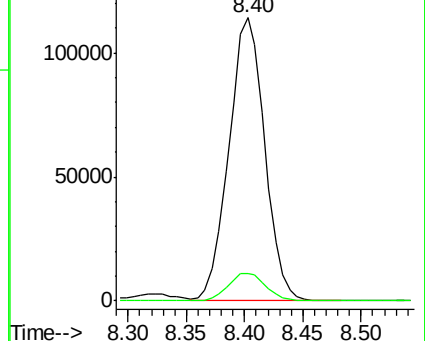
62 100

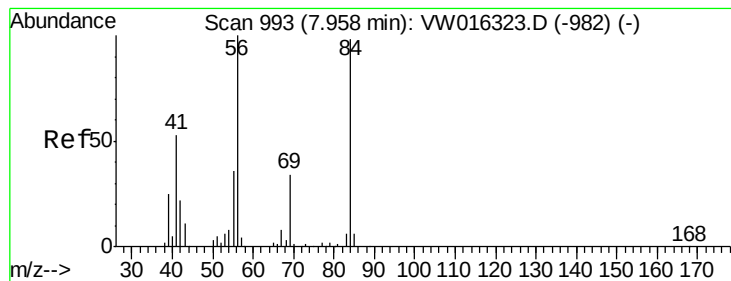
98 9.8 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 54.282 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

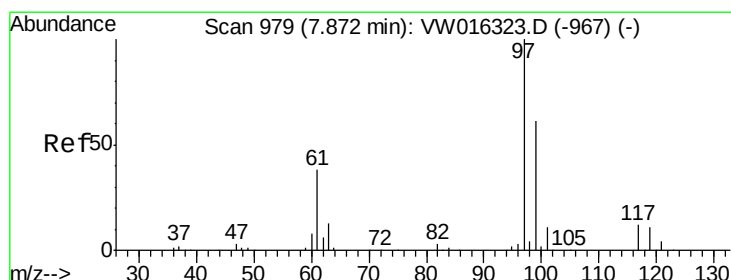
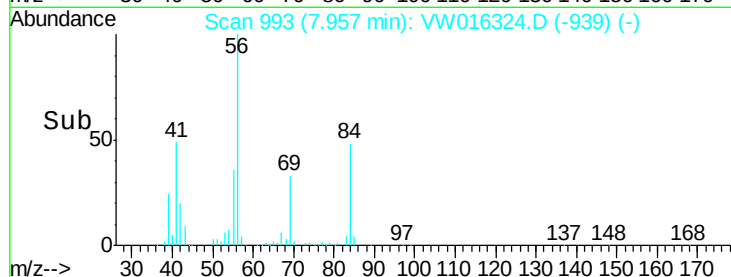
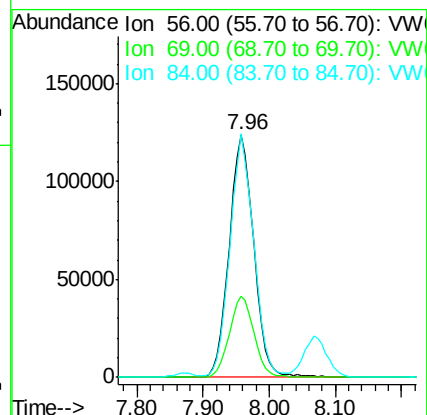
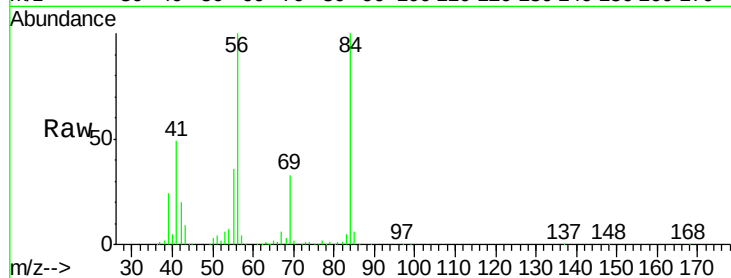
Tgt Ion: 56 Resp: 319698

Ion Ratio Lower Upper

56 100

69 33.3 26.6 40.0

84 96.9 78.4 117.6



#31

1,1,1-Trichloroethane

Concen: 54.499 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

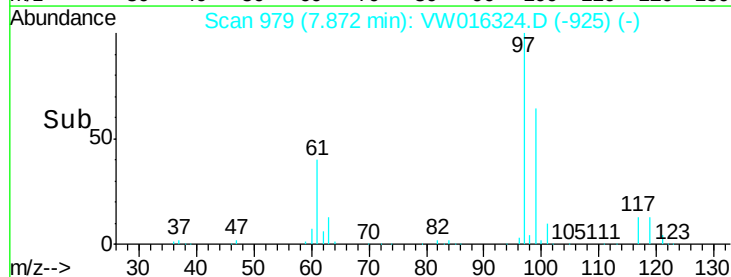
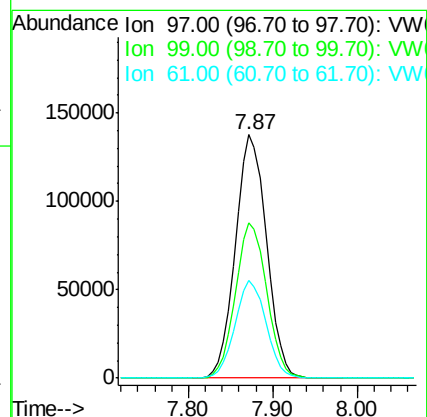
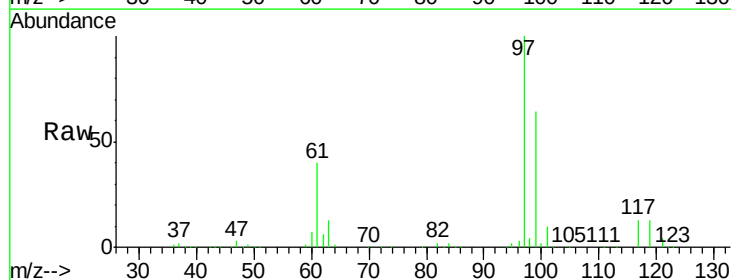
Tgt Ion: 97 Resp: 344248

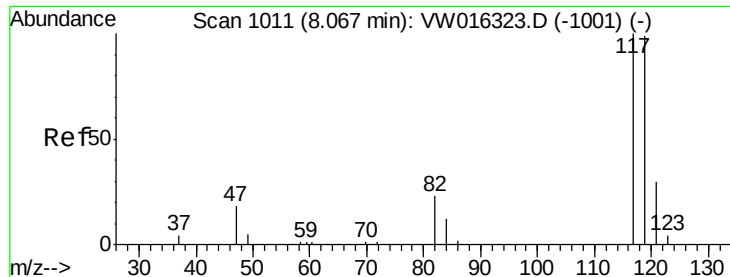
Ion Ratio Lower Upper

97 100

99 64.1 51.5 77.3

61 40.1 32.0 48.0





#32

Carbon tetrachloride

Concen: 55.039 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

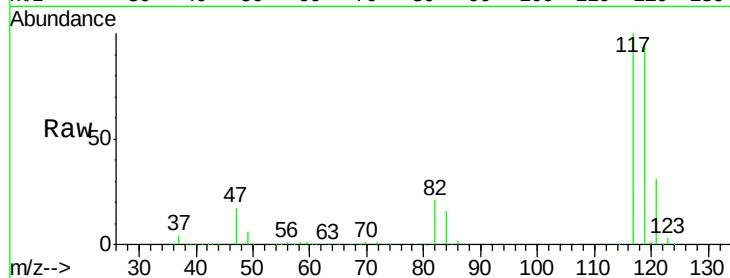
VSTD05005

Tgt Ion:117 Resp: 328706

Ion Ratio Lower Upper

117 100

119 95.9 77.3 115.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

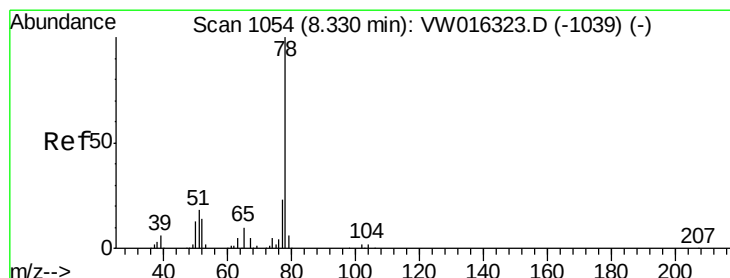
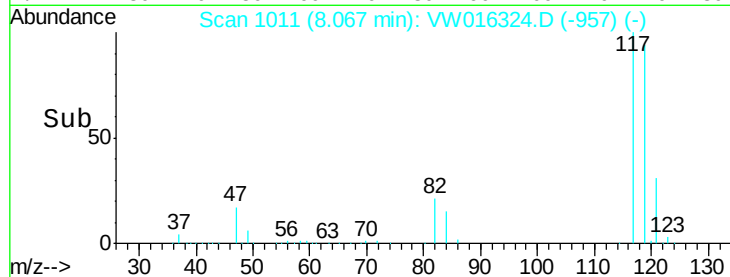
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 52.451 ug/L

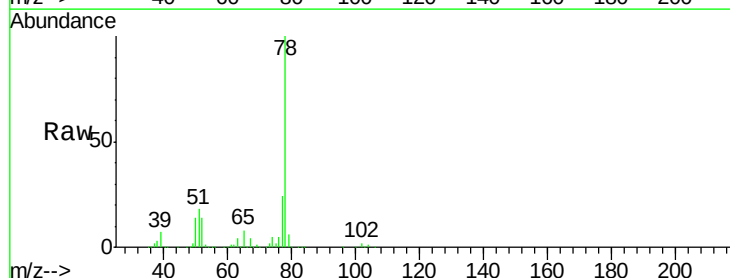
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Tgt Ion: 78 Resp: 822521



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

400000

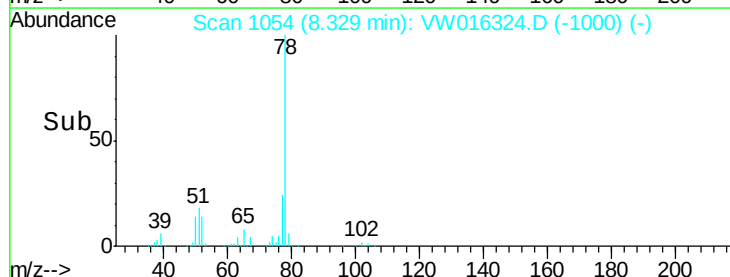
300000

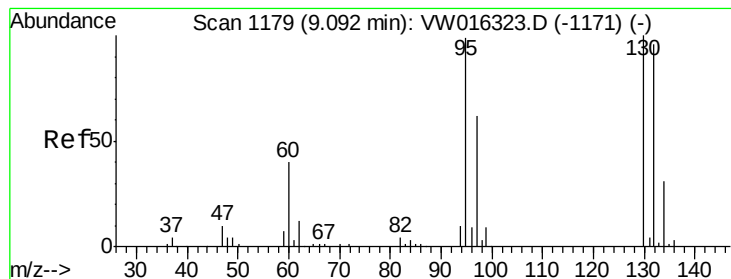
200000

100000

0

Time-->





#35

Trichloroethene

Concen: 54.412 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

Tgt Ion: 95 Resp: 231796

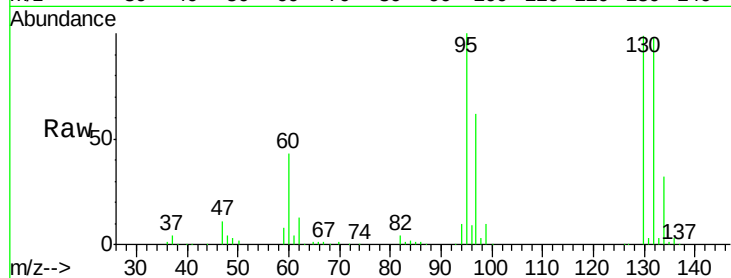
Ion Ratio Lower Upper

95 100

97 63.7 44.9 83.5

132 98.4 68.2 126.6

130 101.3 71.5 132.9

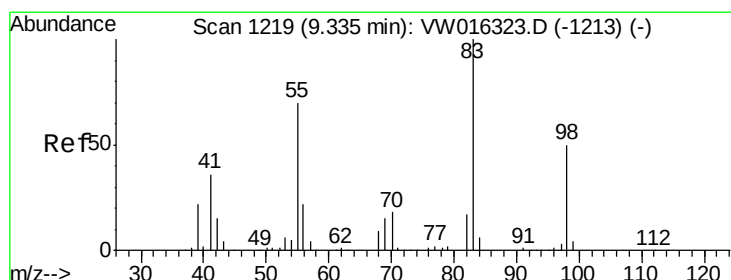
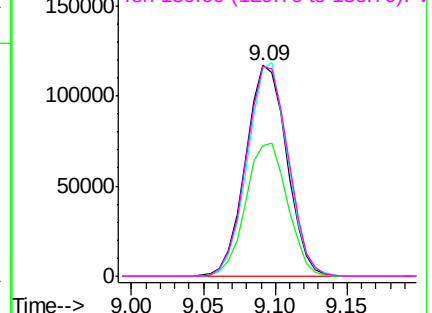
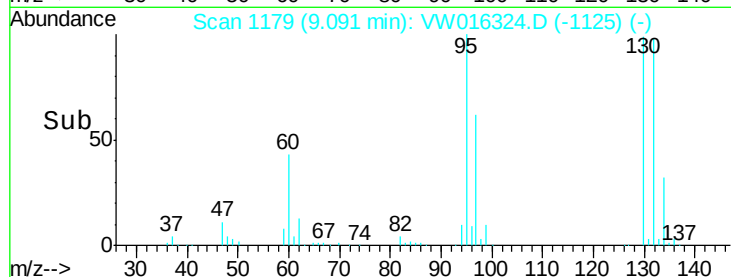


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 55.060 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

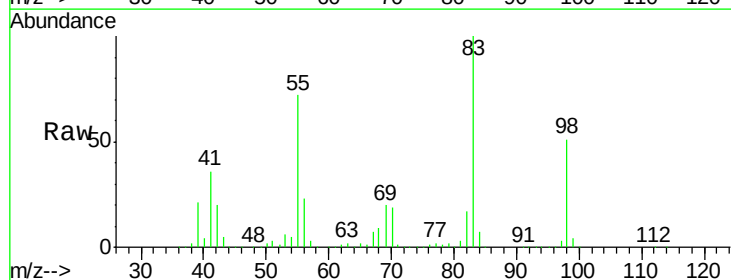
Tgt Ion: 83 Resp: 384619

Ion Ratio Lower Upper

83 100

55 70.6 55.6 83.4

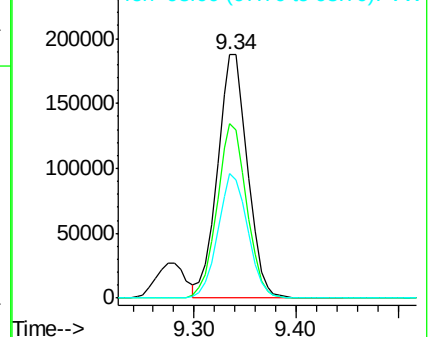
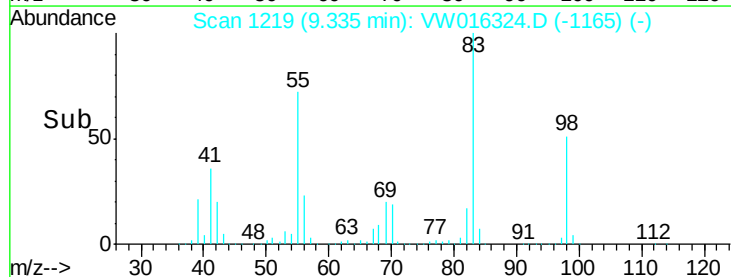
98 50.9 40.6 61.0

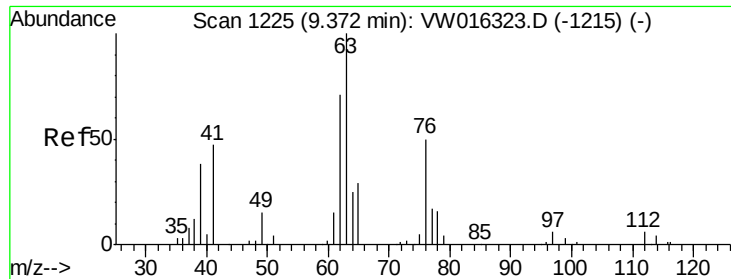


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

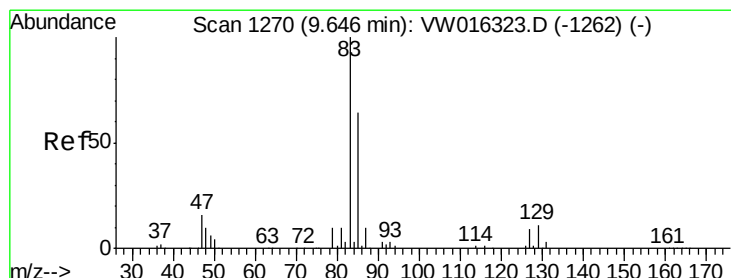
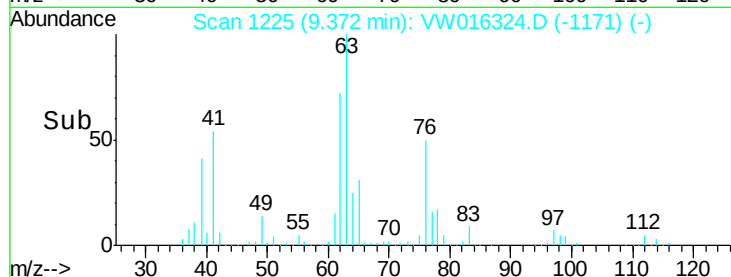
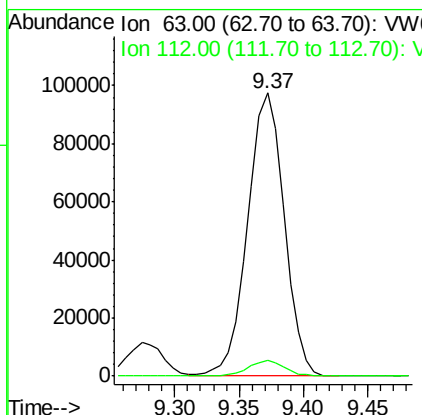
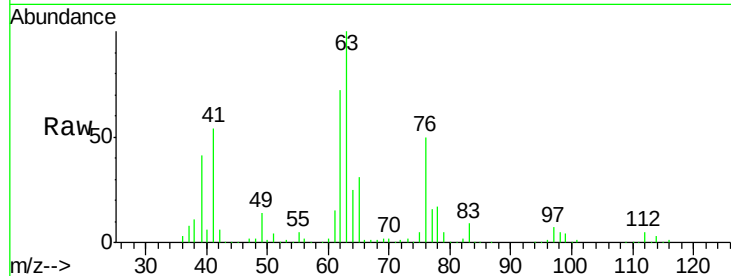




#40
 1,2-Dichloropropane
 Concen: 50.469 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016324.D
 Acq: 24 Aug 2020 11:48

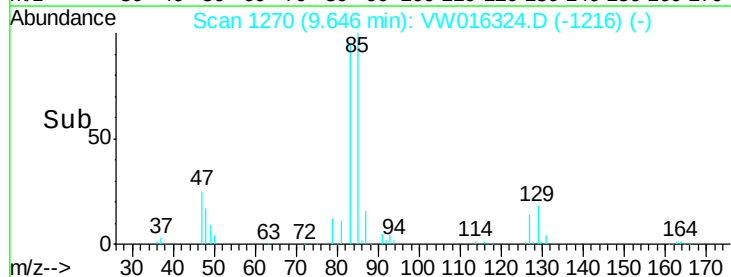
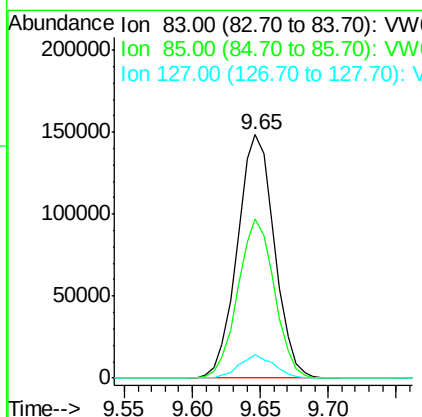
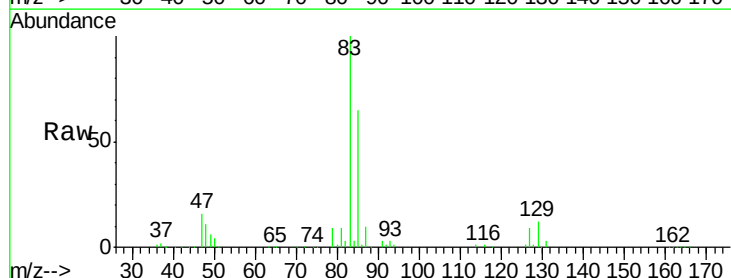
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

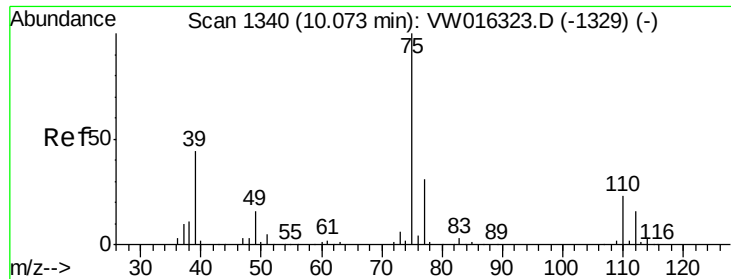
Tgt Ion: 63 Resp: 192335
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.4 6.6



#41
 Bromodichloromethane
 Concen: 53.067 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016324.D
 Acq: 24 Aug 2020 11:48

Tgt Ion: 83 Resp: 281752
 Ion Ratio Lower Upper
 83 100
 85 65.3 44.7 83.1
 127 9.4 7.0 10.4





#42

cis-1,3-Dichloropropene

Concen: 56.312 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

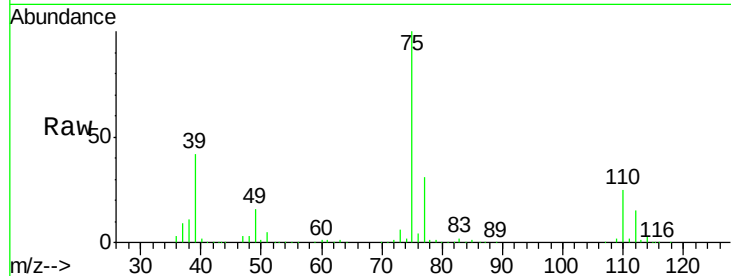
VSTD05005

Tgt Ion: 75 Resp: 332917

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

200000

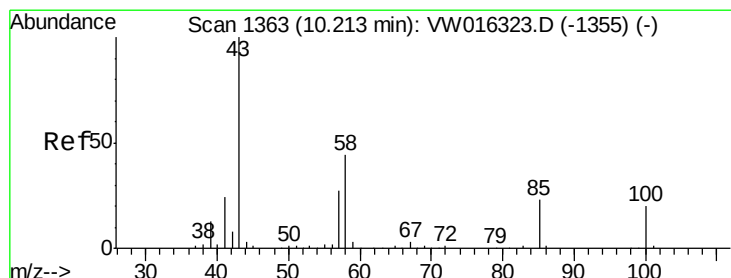
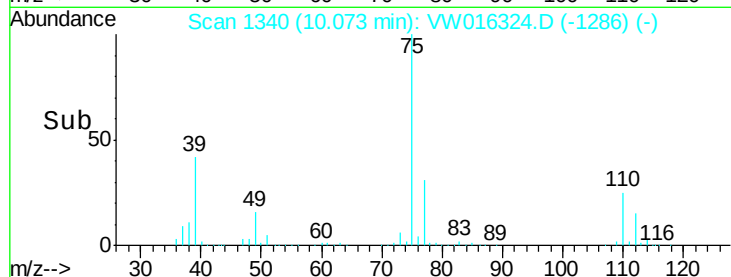
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 105.788 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

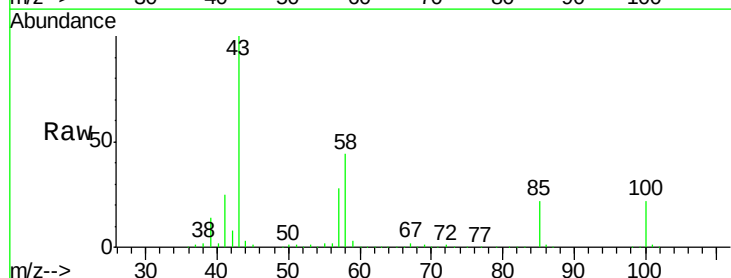
Tgt Ion: 43 Resp: 243377

Ion Ratio Lower Upper

43 100

58 43.4 34.9 52.3

100 20.6 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.21

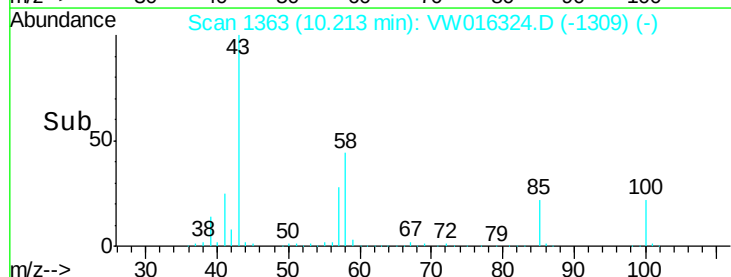
300000

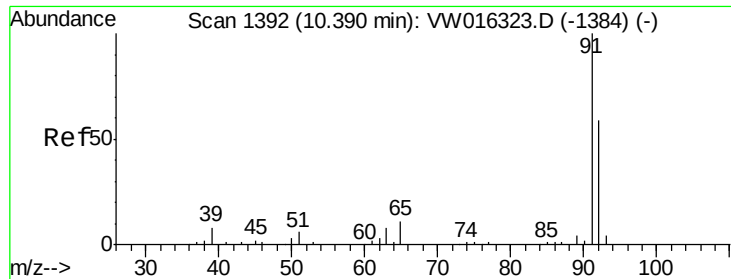
200000

100000

0

Time-->





#44

Toluene

Concen: 54.398 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

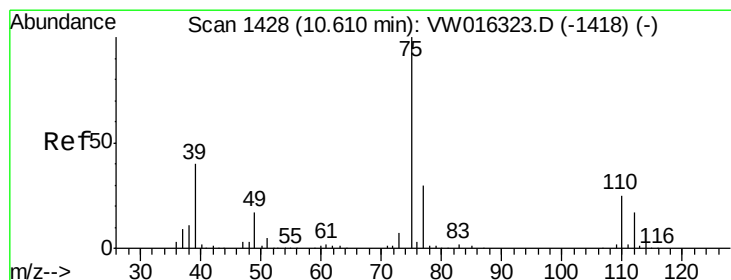
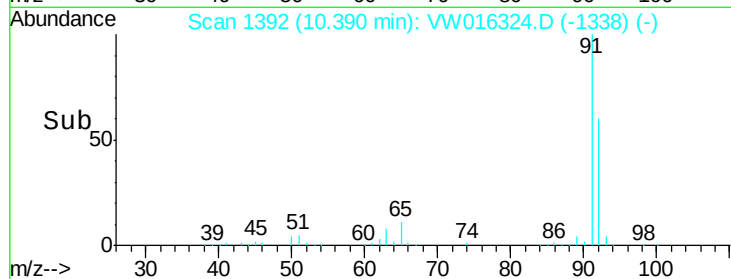
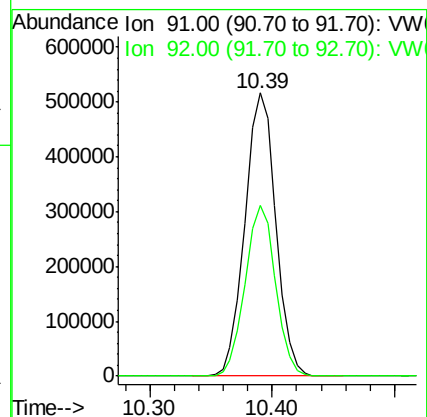
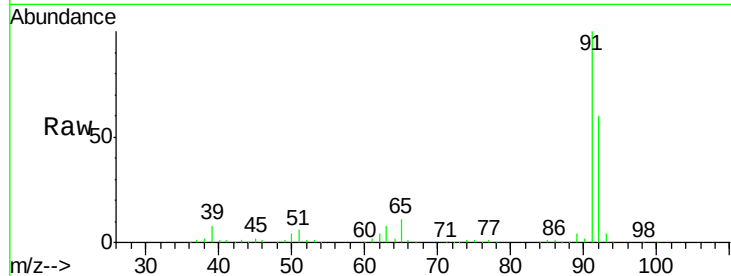
VSTD05005

Tgt Ion: 91 Resp: 904402

Ion Ratio Lower Upper

91 100

92 60.4 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 56.232 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016324.D

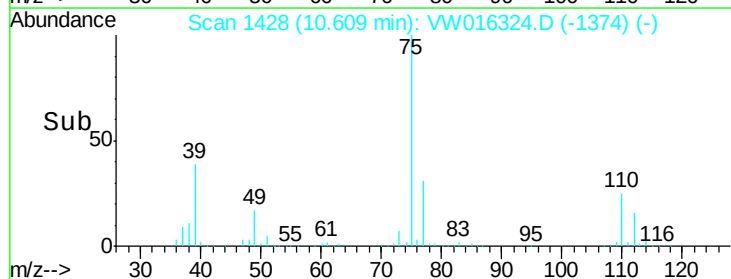
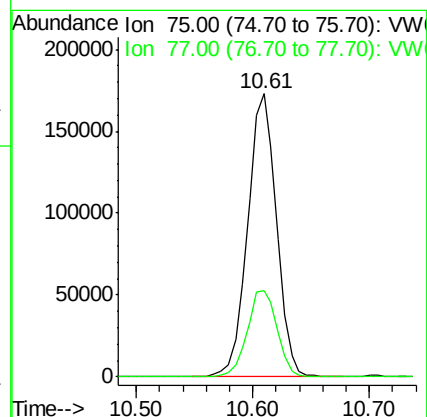
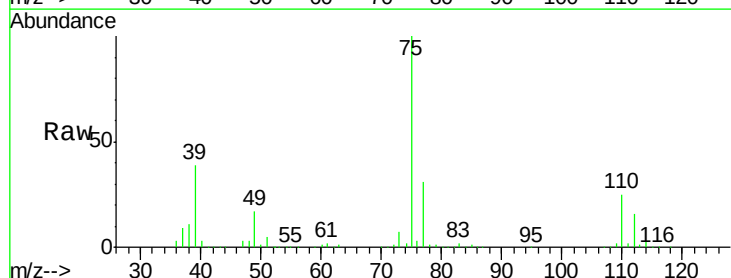
Acq: 24 Aug 2020 11:48

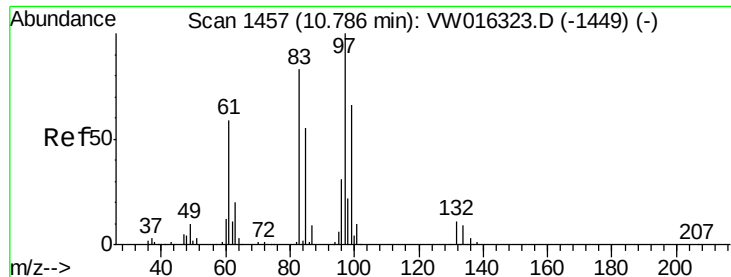
Tgt Ion: 75 Resp: 298751

Ion Ratio Lower Upper

75 100

77 30.6 21.3 39.5





#46

1,1,2-Trichloroethane

Concen: 53.431 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

Tgt Ion: 97 Resp: 163273

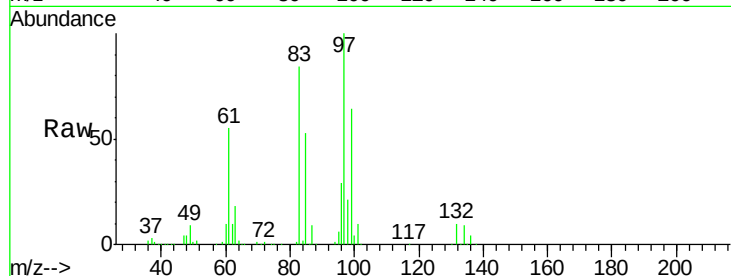
Ion Ratio Lower Upper

97 100

83 84.4 57.9 107.5

85 53.4 38.8 72.0

99 64.4 46.4 86.2

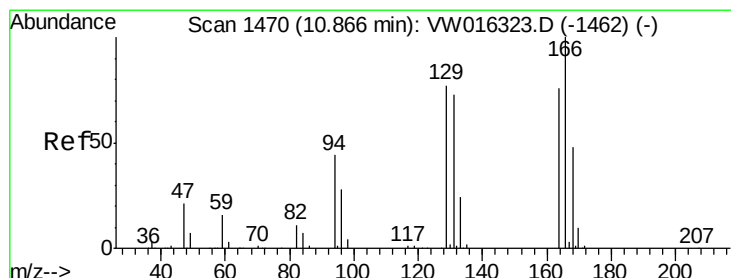
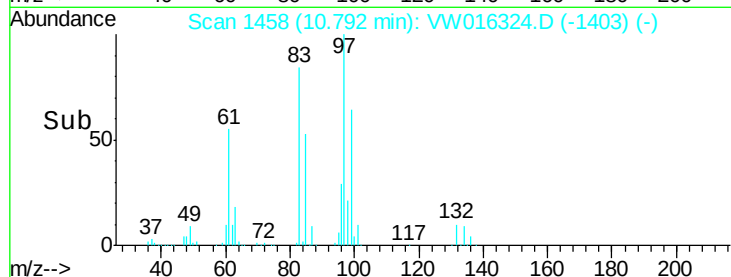
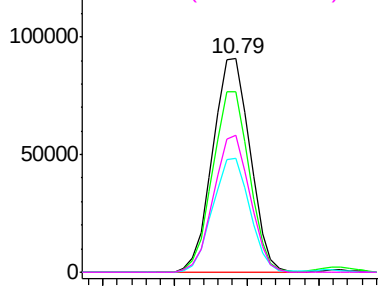


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 54.724 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Tgt Ion: 164 Resp: 176806

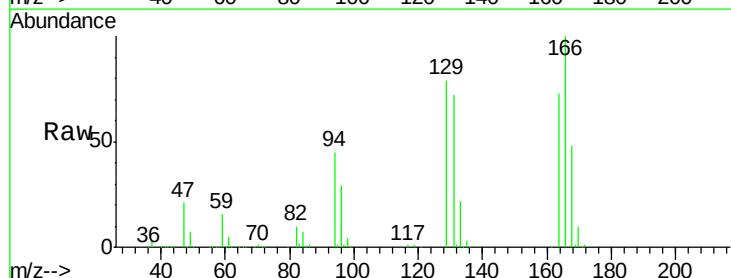
Ion Ratio Lower Upper

164 100

129 107.6 71.5 132.7

131 98.5 67.4 125.2

166 136.4 92.5 171.9

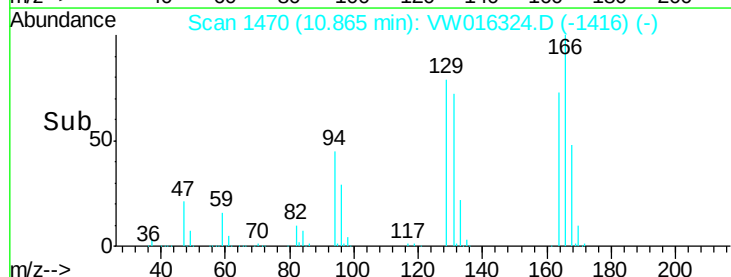
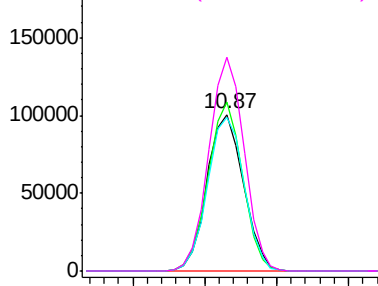


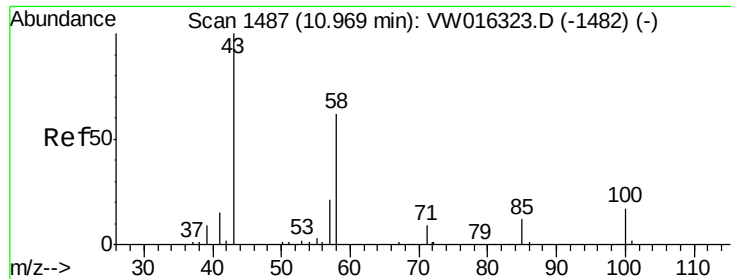
Abundance Ion 164.00 (163.70 to 164.70): V

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: 109.483 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

Tgt Ion: 43 Resp: 168548

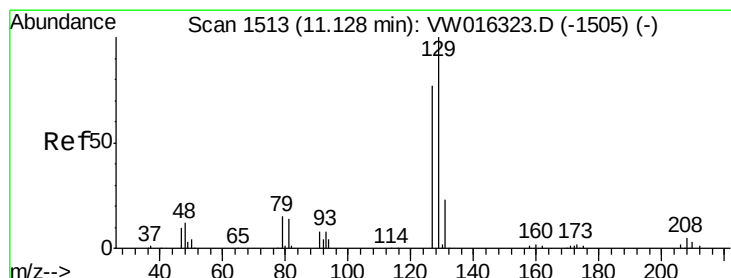
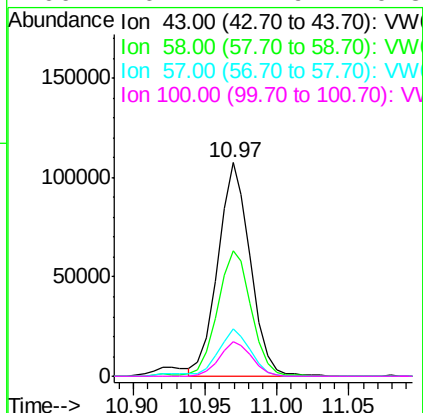
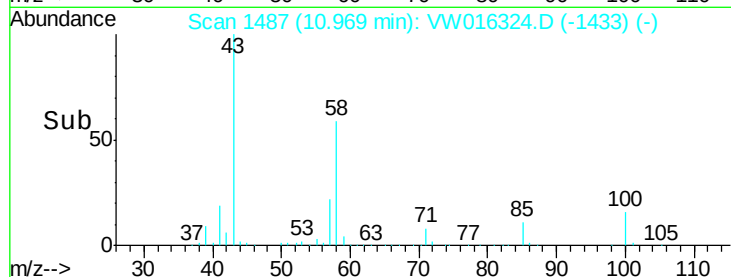
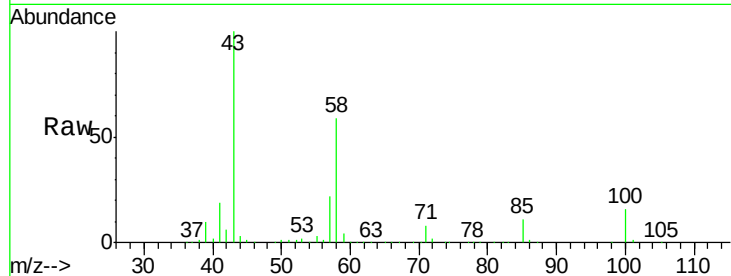
Ion Ratio Lower Upper

43 100

58 61.2 49.5 74.3

57 21.9 17.7 26.5

100 16.4 12.9 19.3



#50

Dibromochloromethane

Concen: 56.381 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW016324.D

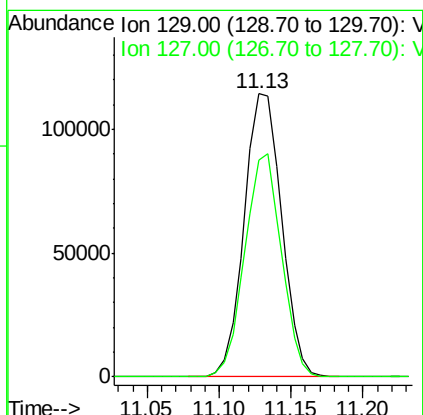
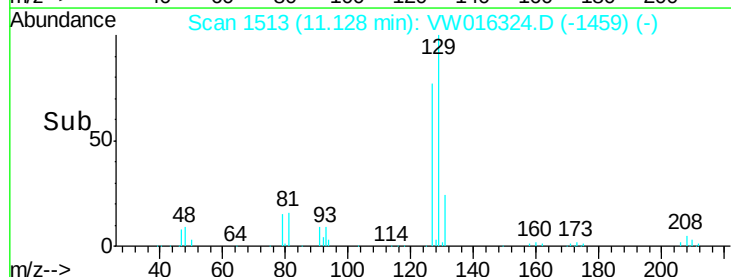
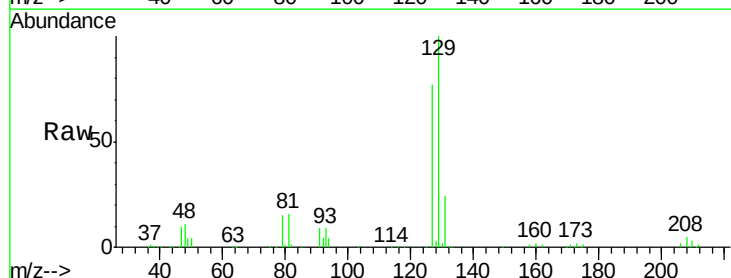
Acq: 24 Aug 2020 11:48

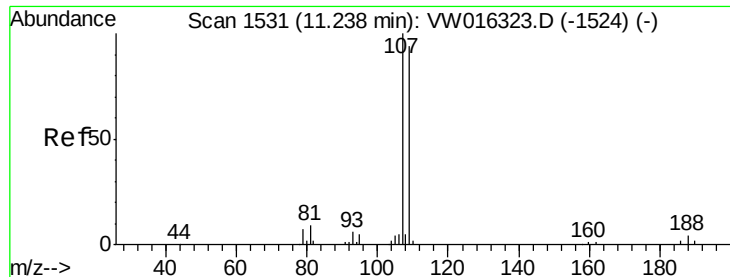
Tgt Ion: 129 Resp: 205685

Ion Ratio Lower Upper

129 100

127 76.7 53.8 99.8

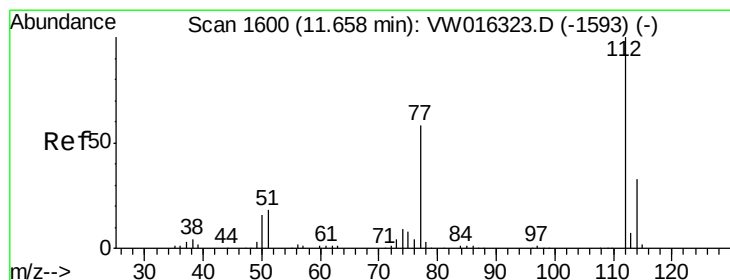
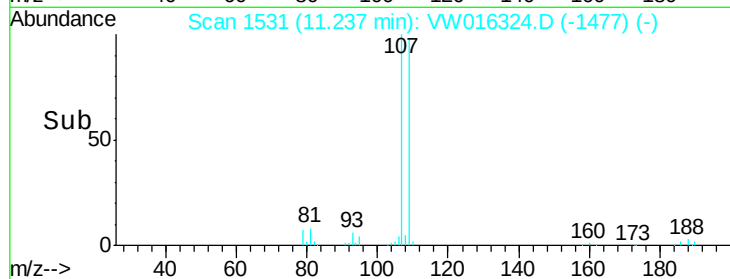
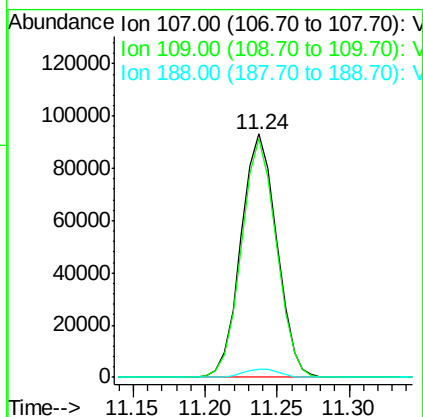
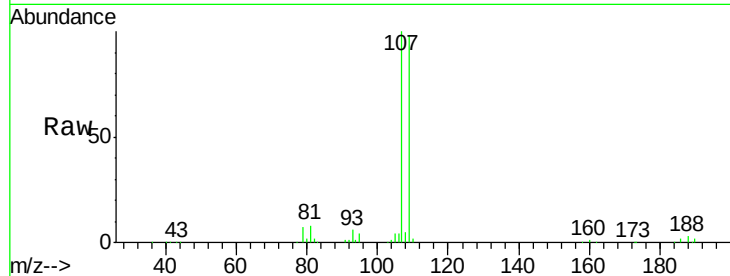




#51
1,2-Dibromoethane
Concen: 55.177 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016324.D
Acq: 24 Aug 2020 11:48

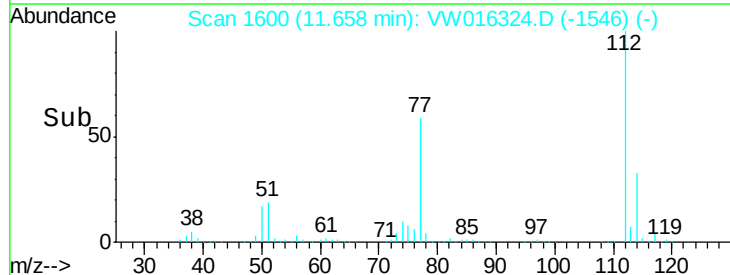
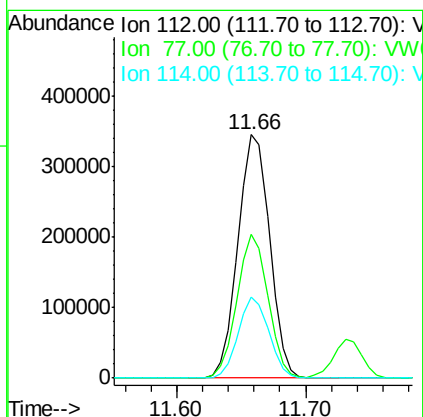
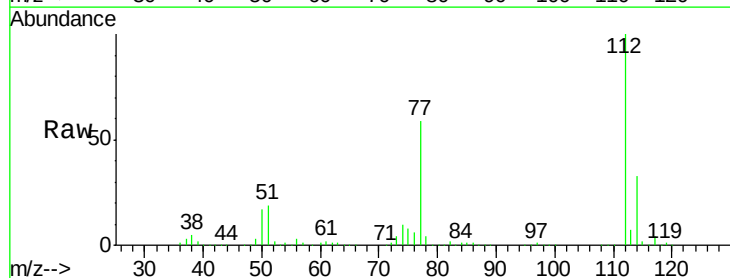
Instrument :
MSVOA_W
ClientSampleId :
VSTD05005

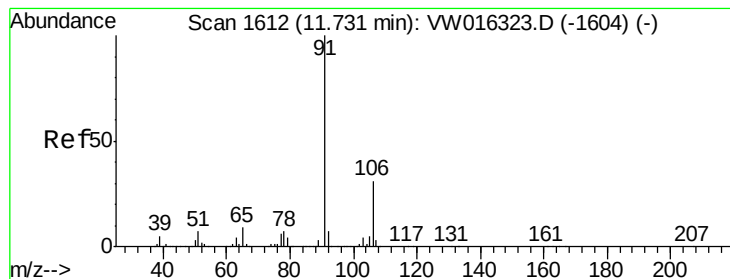
Tgt Ion:107 Resp: 160613
Ion Ratio Lower Upper
107 100
109 98.1 65.7 121.9
188 3.4 3.3 4.9



#52
Chlorobenzene
Concen: 53.341 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016324.D
Acq: 24 Aug 2020 11:48

Tgt Ion:112 Resp: 590757
Ion Ratio Lower Upper
112 100
77 59.0 46.9 70.3
114 33.3 23.3 43.3





#53

Ethylbenzene

Concen: 54.891 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

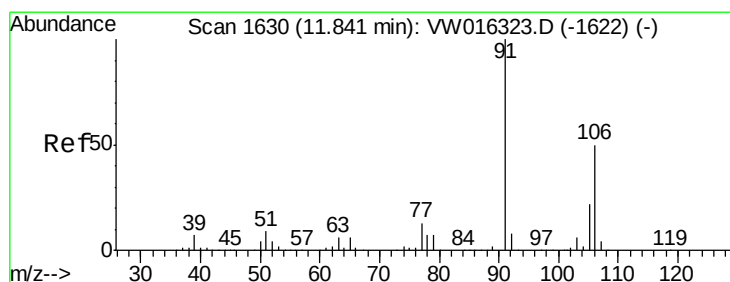
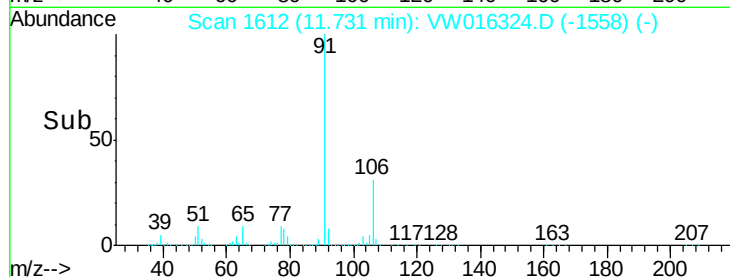
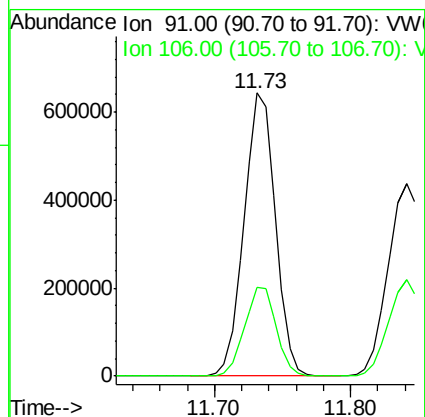
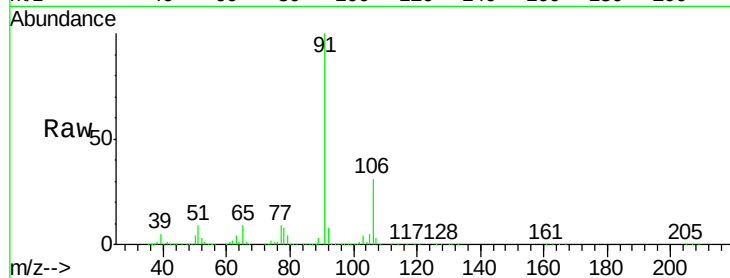
VSTD05005

Tgt Ion: 91 Resp: 1037719

Ion Ratio Lower Upper

91 100

106 31.5 22.0 41.0



#54

m,p-Xylene

Concen: 56.016 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016324.D

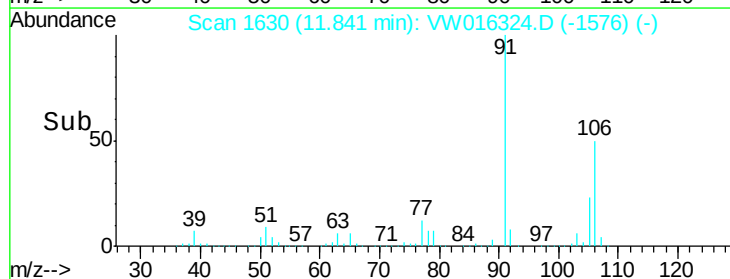
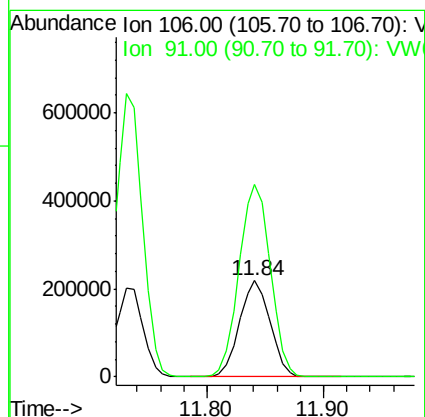
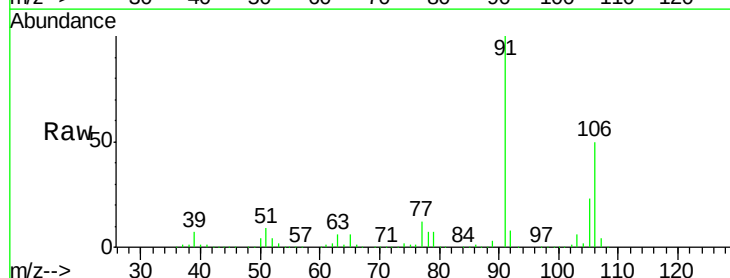
Acq: 24 Aug 2020 11:48

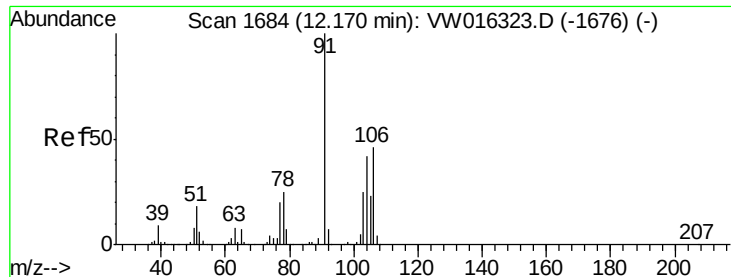
Tgt Ion: 106 Resp: 400632

Ion Ratio Lower Upper

106 100

91 199.2 138.8 257.8





#55

o-xylene

Concen: 56.565 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

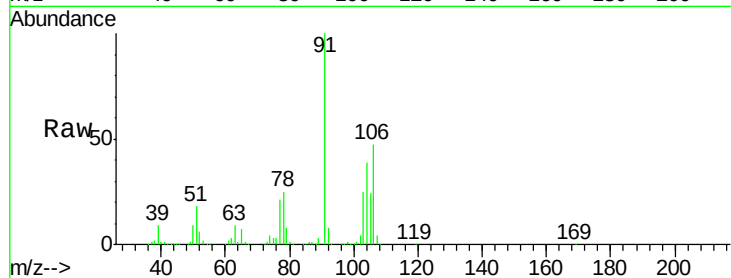
VSTD05005

Tgt Ion:106 Resp: 379513

Ion Ratio Lower Upper

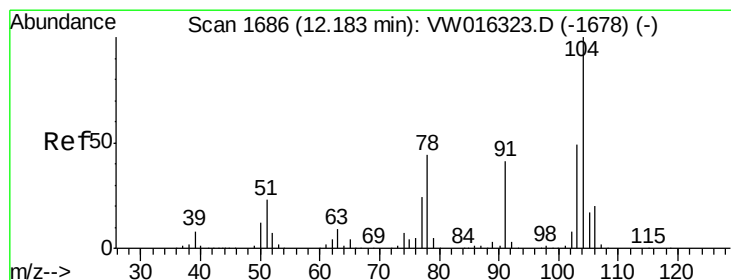
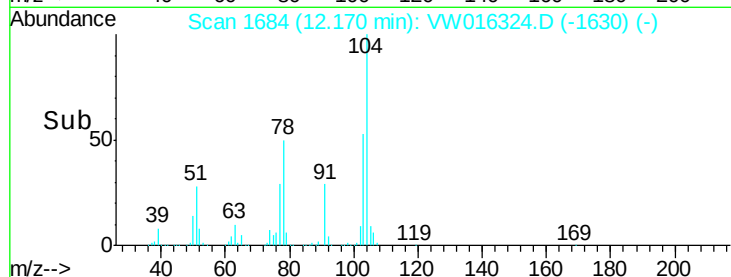
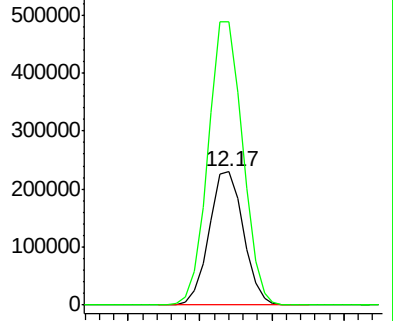
106 100

91 212.3 151.3 281.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 56.156 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016324.D

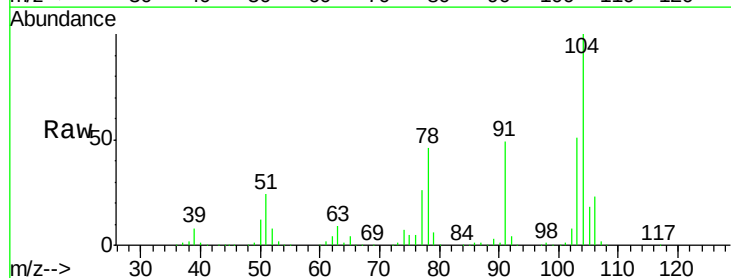
Acq: 24 Aug 2020 11:48

Tgt Ion:104 Resp: 650768

Ion Ratio Lower Upper

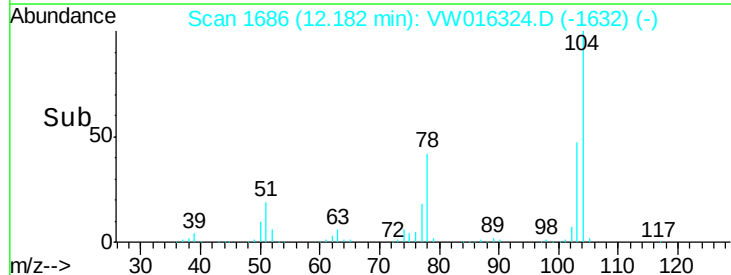
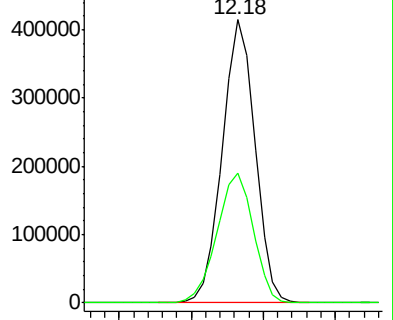
104 100

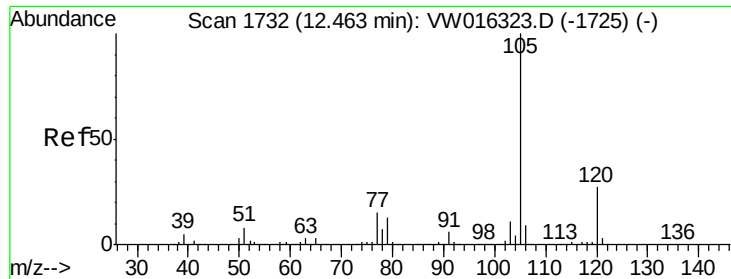
78 46.0 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 57.933 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

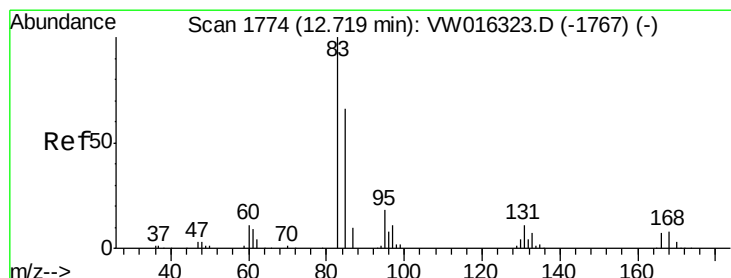
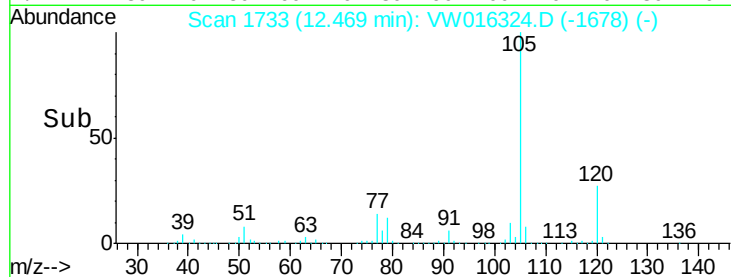
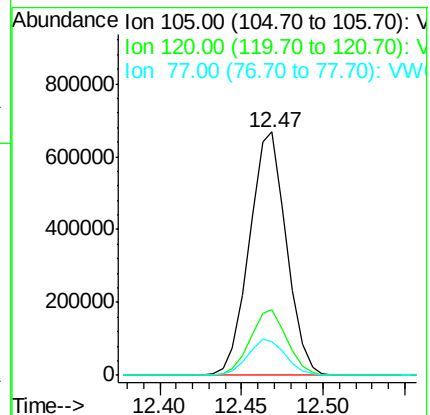
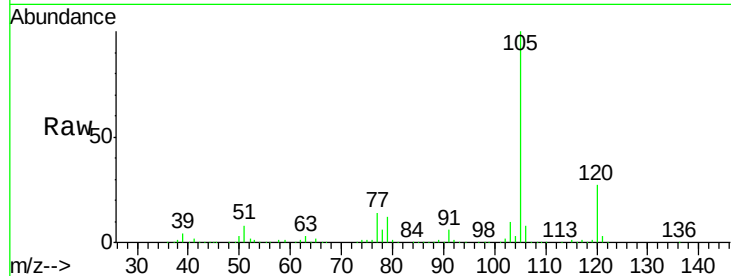
Tgt Ion: 105 Resp: 1054616

Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

77 15.0 12.2 18.4



#58

1,1,2,2-Tetrachloroethane

Concen: 53.487 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

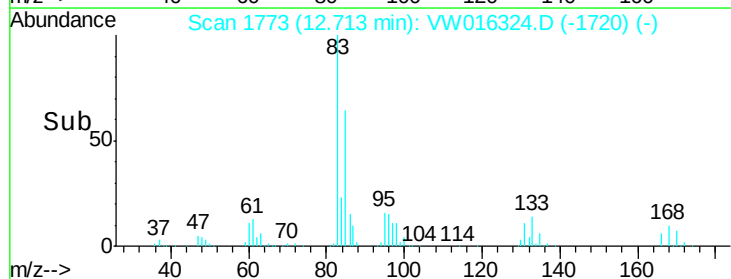
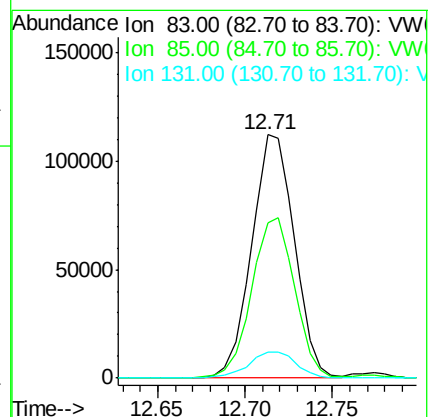
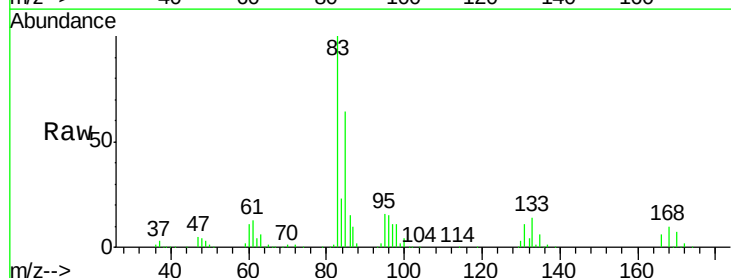
Tgt Ion: 83 Resp: 190886

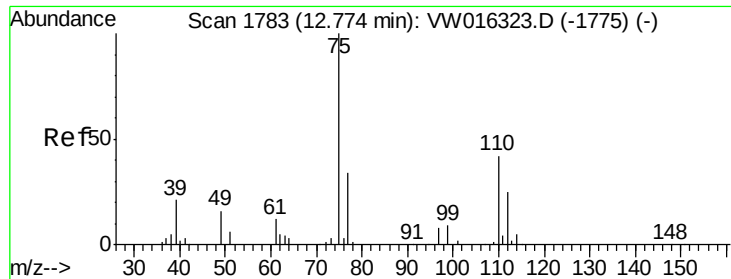
Ion Ratio Lower Upper

83 100

85 64.0 46.0 85.4

131 10.7 8.8 13.2

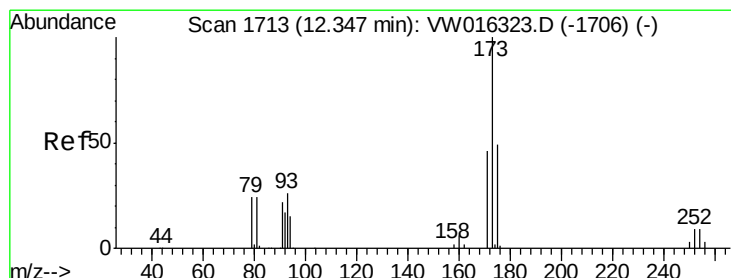
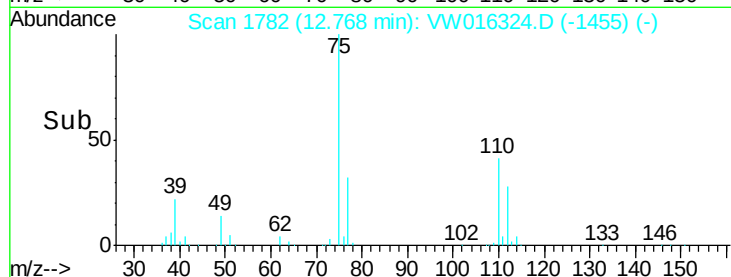
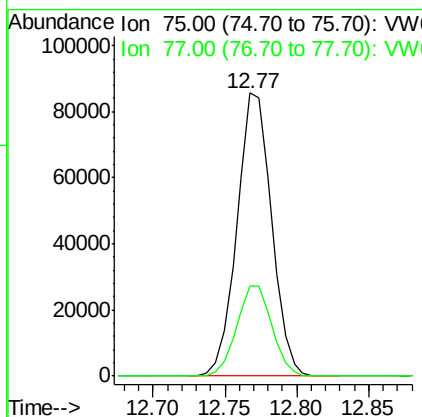
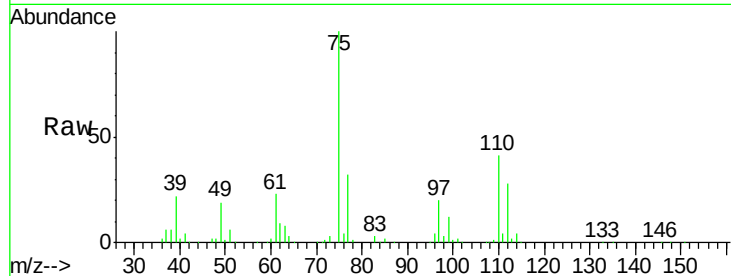




#59
 1,2,3-Trichloropropane
 Concen: 52.853 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW016324.D
 Acq: 24 Aug 2020 11:48

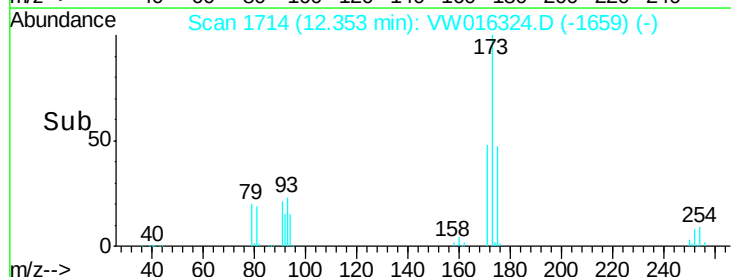
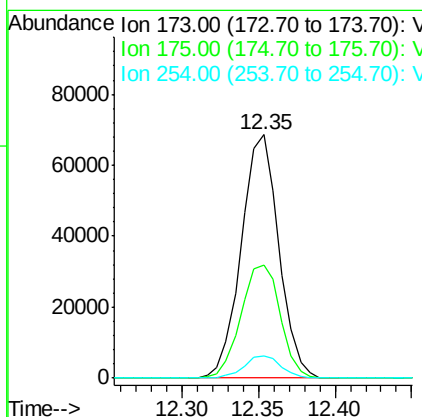
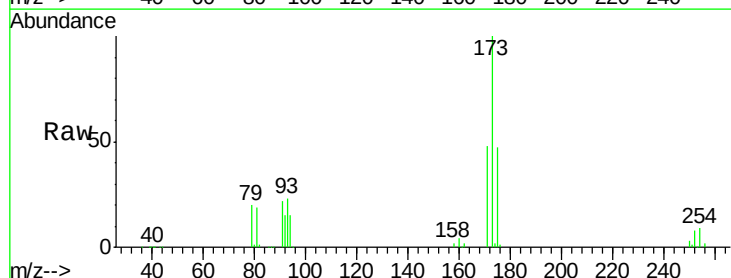
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

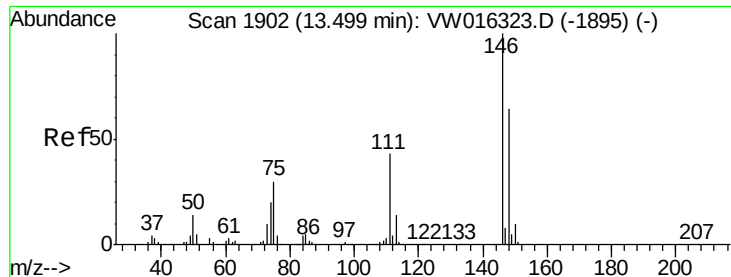
Tgt Ion: 75 Resp: 142291
 Ion Ratio Lower Upper
 75 100
 77 32.6 27.1 40.7



#62
 Bromoform
 Concen: 58.369 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW016324.D
 Acq: 24 Aug 2020 11:48

Tgt Ion: 173 Resp: 116904
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.0 58.4
 254 9.0 6.9 10.3

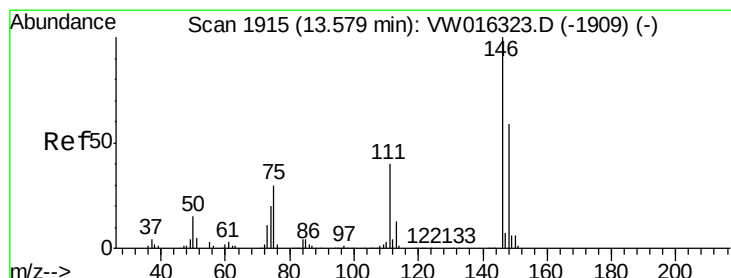
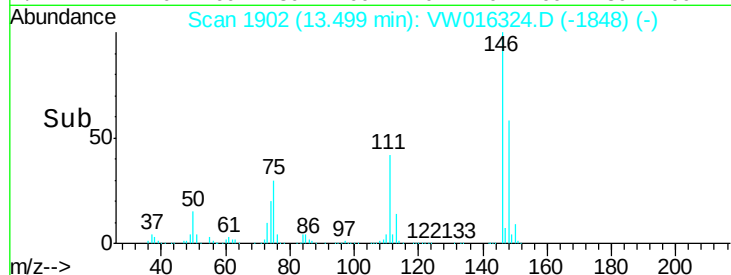
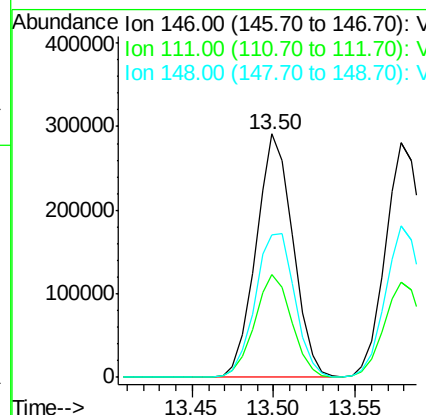
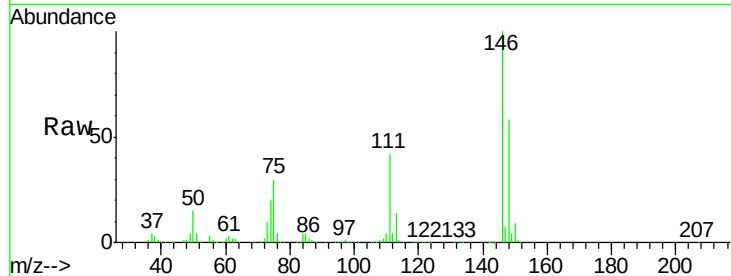




#63
 1,3-Dichlorobenzene
 Concen: 55.184 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016324.D
 Acq: 24 Aug 2020 11:48

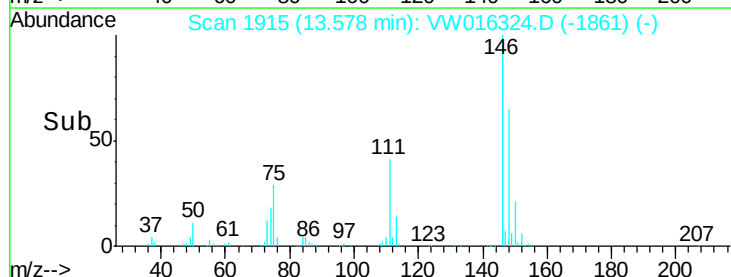
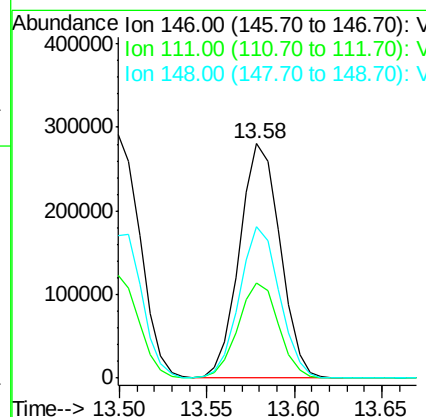
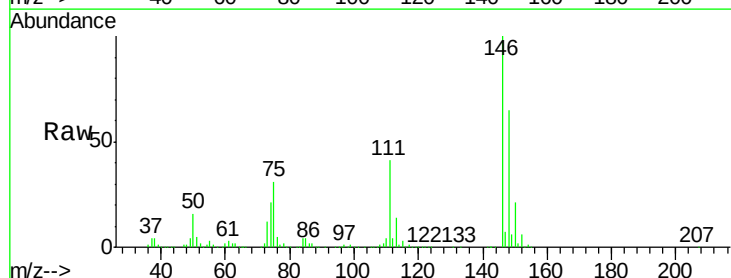
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

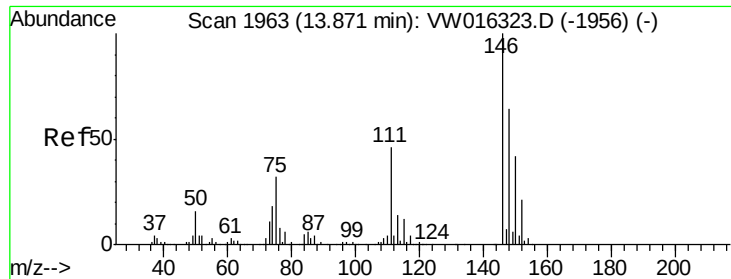
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	30.2	56.2
148	58.3	45.1	83.7



#64
 1,4-Dichlorobenzene
 Concen: 53.626 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016324.D
 Acq: 24 Aug 2020 11:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	28.0	52.0
148	64.8	41.4	76.8

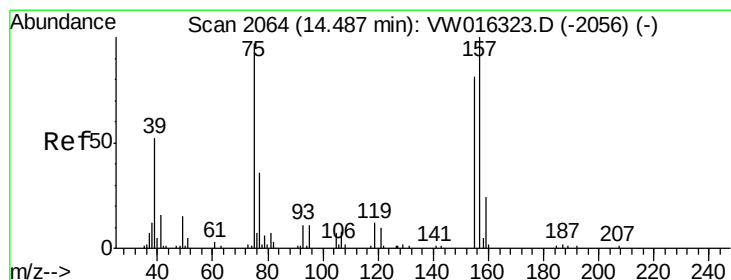
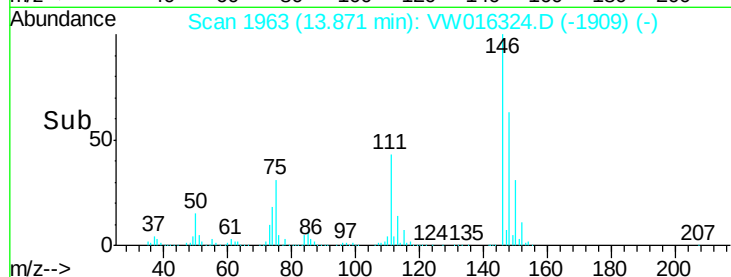
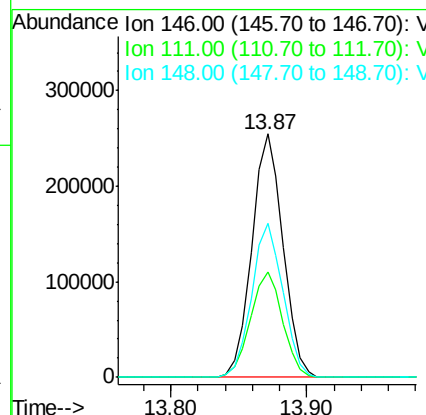
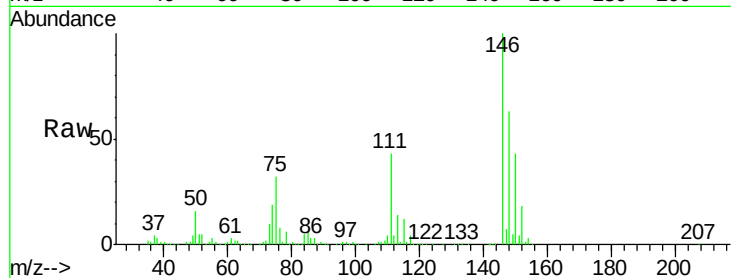




#65
 1,2-Dichlorobenzene
 Concen: 53.843 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016324.D
 Acq: 24 Aug 2020 11:48

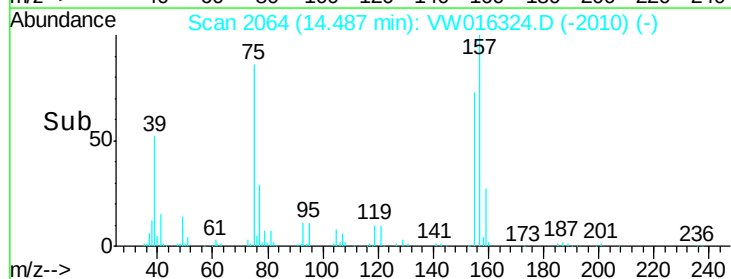
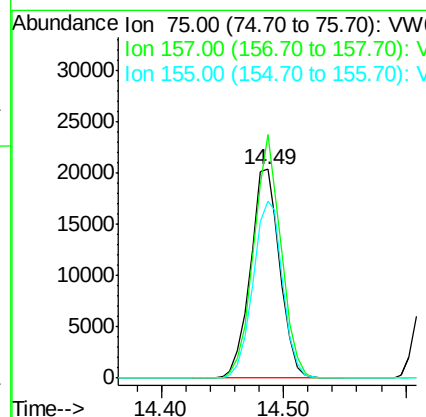
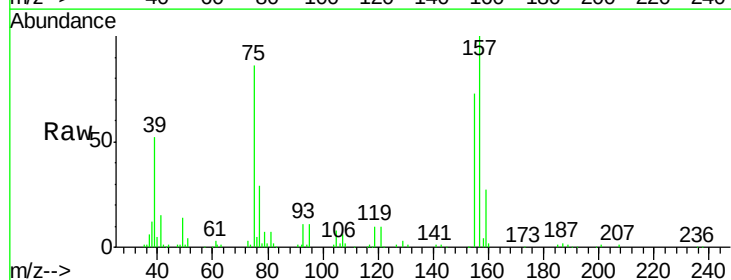
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

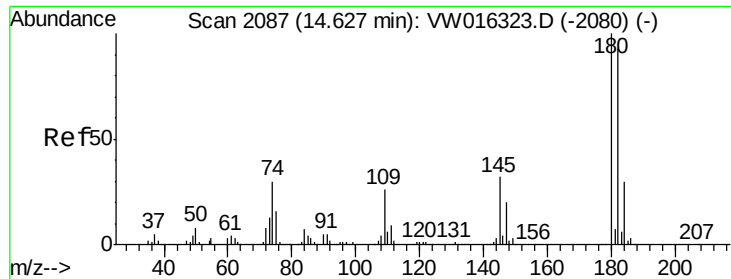
Tgt Ion: 146 Resp: 407550
 Ion Ratio Lower Upper
 146 100
 111 43.2 36.9 55.3
 148 63.1 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.642 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016324.D
 Acq: 24 Aug 2020 11:48

Tgt Ion: 75 Resp: 34093
 Ion Ratio Lower Upper
 75 100
 157 116.7 82.2 123.4
 155 85.0 66.8 100.2

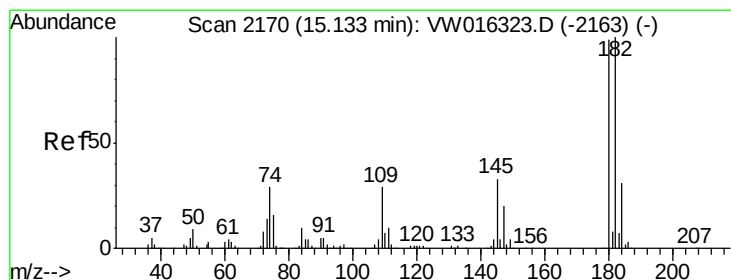
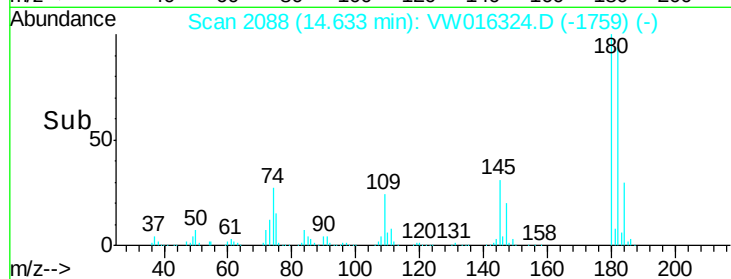
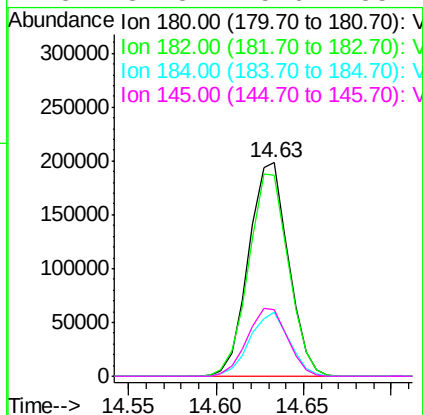
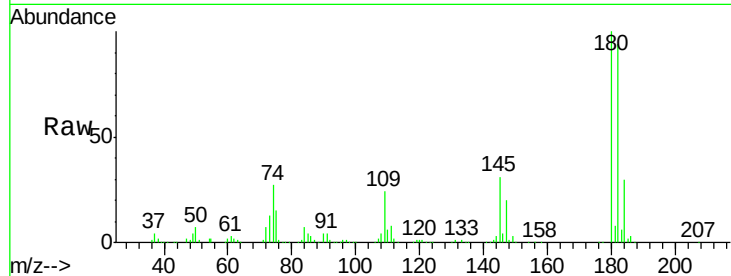




#67
 1,3,5-Trichlorobenzene
 Concen: 58.422 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016324.D
 Acq: 24 Aug 2020 11:48

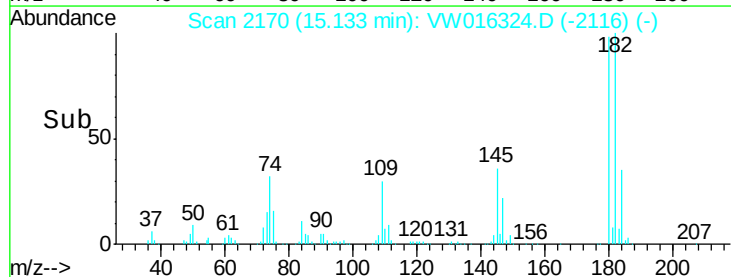
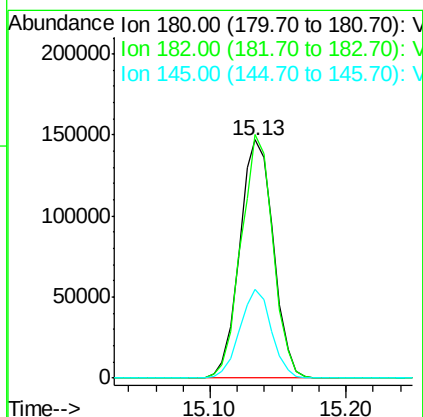
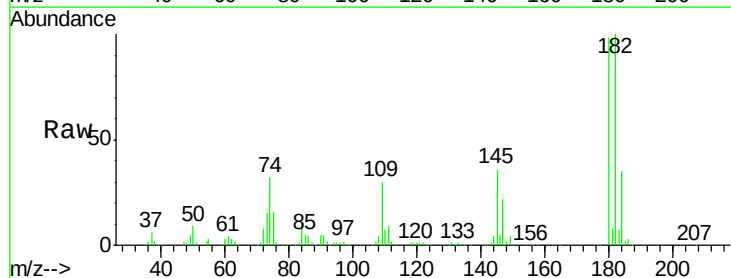
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

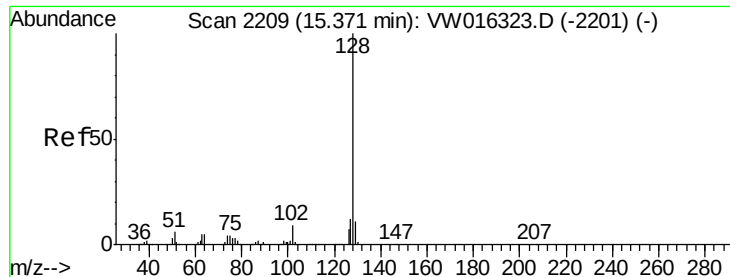
Tgt Ion:	180	Resp:	313752
Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.4	116.2
184	29.7	24.4	36.6
145	32.3	25.6	38.4



#68
 1,2,4-trichlorobenzene
 Concen: 58.170 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016324.D
 Acq: 24 Aug 2020 11:48

Tgt Ion:	180	Resp:	254365
Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.5	114.7
145	34.8	26.0	39.0





#69

Naphthalene

Concen: 61.873 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

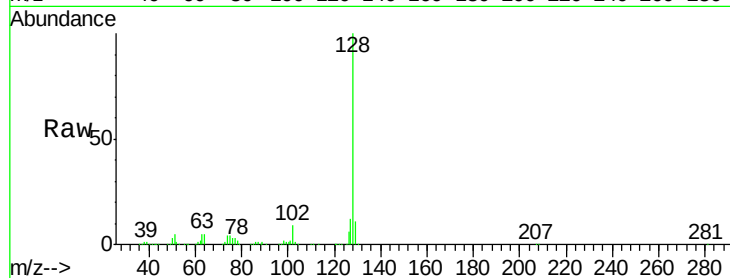
Tgt Ion:128 Resp: 564323

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

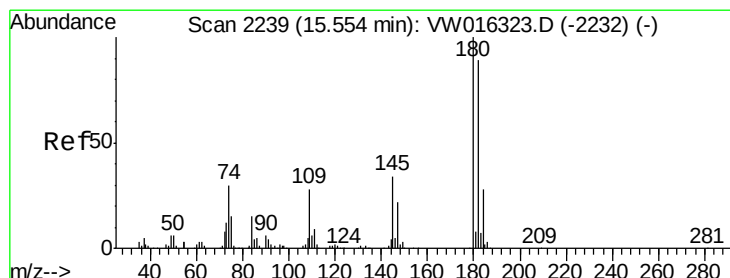
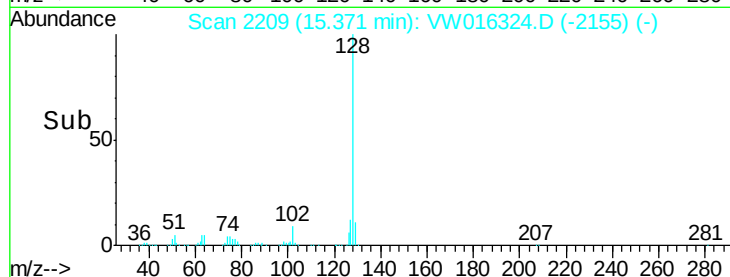
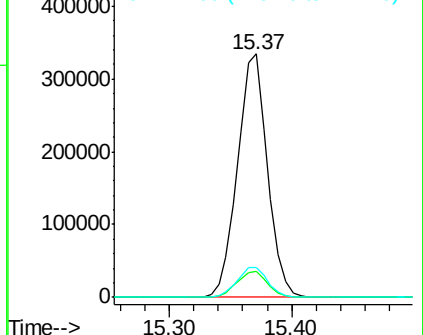
127 12.7 10.3 15.5



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: 55.910 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016324.D

Acq: 24 Aug 2020 11:48

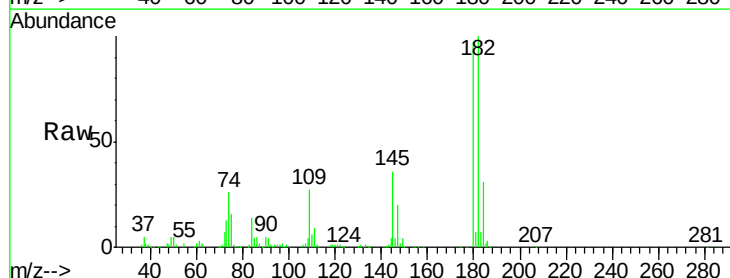
Tgt Ion:180 Resp: 219134

Ion Ratio Lower Upper

180 100

182 99.9 77.0 115.4

145 37.4 28.6 42.8



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

