

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082420\
 Data File : VW016322.D
 Acq On : 24 Aug 2020 11:01
 Operator : SY/VA
 Sample : VSTD00503
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

Quant Time: Aug 24 12:38:39 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	8.85	114	300220	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	277876	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	133102	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	18250	5.01	ug/L	0.00
7) Chloroethane-d5	2.89	69	13587	4.92	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	39372	5.00	ug/L	0.00
20) 2-Butanone-d5	7.08	46	8688	8.94	ug/L	0.00
24) Chloroform-d	7.65	84	39524	4.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	20369	4.76	ug/L	0.00
29) Benzene-d6	8.28	84	78266	5.11	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	21547	4.84	ug/L	0.00
37) Toluene-d8	10.32	98	73158	5.19	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	9768	4.77	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	6743	8.93	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	17119	4.66	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	24855	5.09	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	14170	4.696 ug/L	90
3) Chloromethane	2.21	50	13114	4.511 ug/L	99
5) Vinyl chloride	2.37	62	17949	4.651 ug/L	100
6) Bromomethane	2.78	94	11834	4.843 ug/L	97
8) Chloroethane	2.93	64	9881	4.533 ug/L	96
9) Trichlorofluoromethane	3.26	101	17348	5.742 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	10781	2.653 ug/L	# 22
12) 1,1-Dichloroethene	4.04	96	19369	5.023 ug/L	97
13) Acetone	4.14	43	7506	10.021 ug/L	97
14) Carbon disulfide	4.38	76	60114	5.063 ug/L	98
16) Methylene chloride	4.92	84	31882	6.724 ug/L	94
17) Methyl tert-butyl Ether	5.43	73	17894	3.240 ug/L	97
18) trans-1,2-Dichloroethene	5.43	96	21136	5.238 ug/L	97
19) 1,1-Dichloroethane	6.22	63	34050	4.811 ug/L	98
21) 2-Butanone	7.18	43	9623	8.252 ug/L	79
22) cis-1,2-Dichloroethene	7.17	96	21619	5.051 ug/L	98
23) Bromochloromethane	7.51	128	9755	4.949 ug/L	95
25) Chloroform	7.68	83	36512	4.826 ug/L	98
27) 1,2-Dichloroethane	8.40	62	23111	4.639 ug/L	100
30) Cyclohexane	7.96	56	28921	4.840 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	32919	5.136 ug/L	98
32) Carbon tetrachloride	8.07	117	31333	5.171 ug/L	97
34) Benzene	8.32	78	79056	4.969 ug/L	100
35) Trichloroethene	9.09	95	22615	5.232 ug/L	99
36) Methylcyclohexane	9.34	83	35793	5.050 ug/L	97
40) 1,2-Dichloropropane	9.37	63	18679	4.831 ug/L	99
41) Bromodichloromethane	9.65	83	25200	4.678 ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	28461	4.745 ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	20987	8.991 ug/L	99
44) Toluene	10.39	91	86412	5.123 ug/L	100

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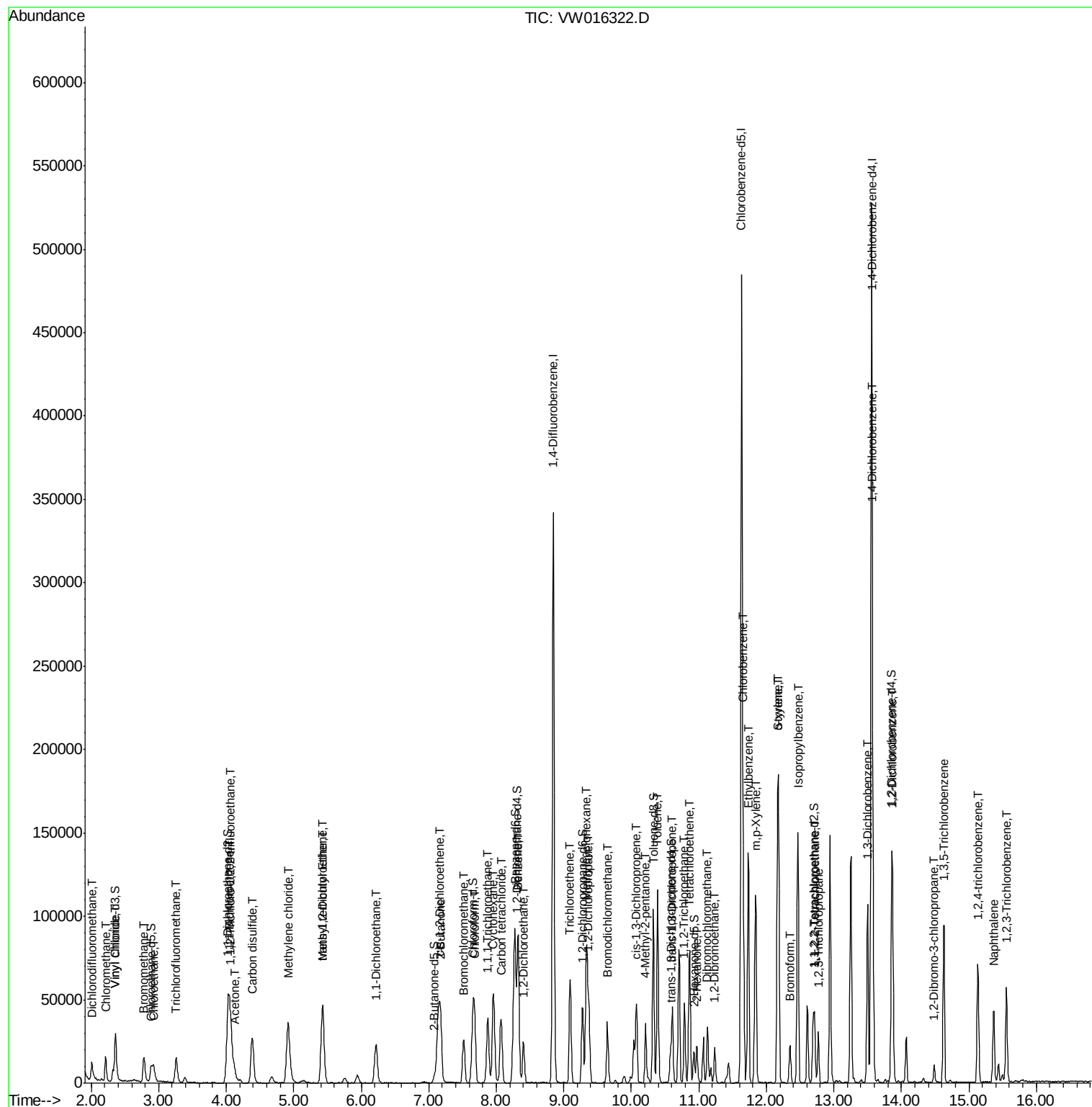
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.61	75	25399	4.712	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	15263	4.923	ug/L	93
47) Tetrachloroethene	10.87	164	18143	5.535	ug/L	92
49) 2-Hexanone	10.97	43	12957	8.295	ug/L	97
50) Dibromochloromethane	11.13	129	18337	4.954	ug/L	99
51) 1,2-Dibromoethane	11.24	107	14578	4.936	ug/L	99
52) Chlorobenzene	11.66	112	58003	5.162	ug/L	97
53) Ethylbenzene	11.73	91	97796	5.098	ug/L	97
54) m,p-Xylene	11.84	106	36628	5.047	ug/L	91
55) o-xylene	12.17	106	34361	5.048	ug/L	97
56) Styrene	12.18	104	58839	5.004	ug/L	97
57) Isopropylbenzene	12.47	105	97248	5.265	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	17860	4.932	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	13184	4.827	ug/L	99
62) Bromoform	12.35	173	10285	5.028	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	44053	5.211	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	45813	5.286	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	39358	5.092	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	2865	4.249	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	30401	5.543	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	22432	5.023	ug/L	99
69) Naphthalene	15.37	128	38907	4.177	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	20371	5.089	ug/L	94

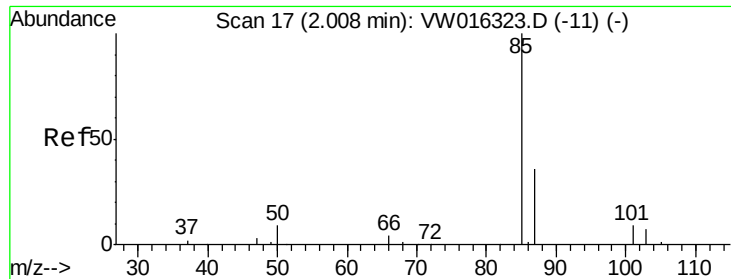
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.696 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

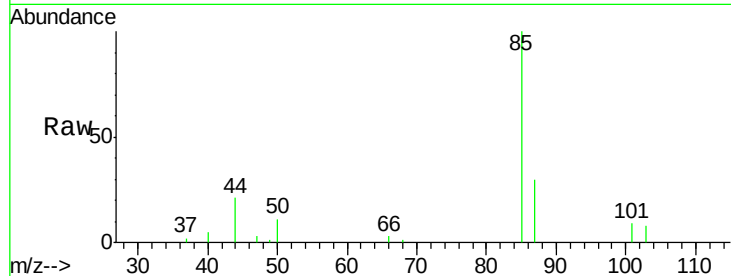
VSTD00503

Tgt Ion: 85 Resp: 14170

Ion Ratio Lower Upper

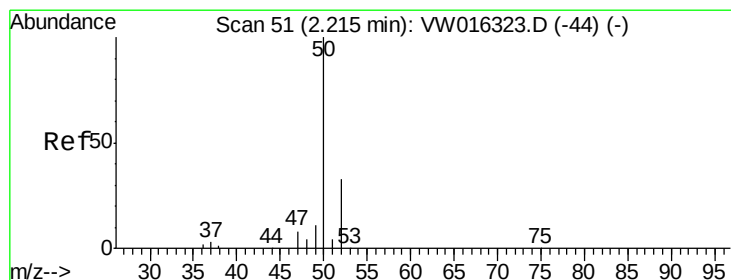
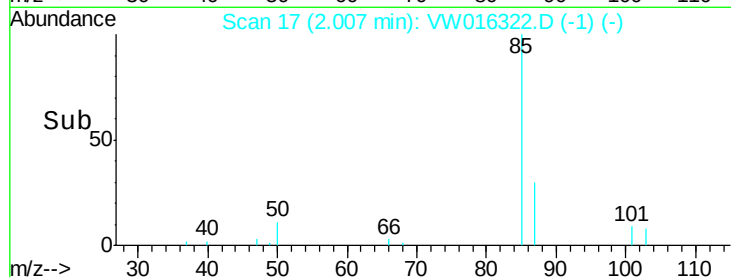
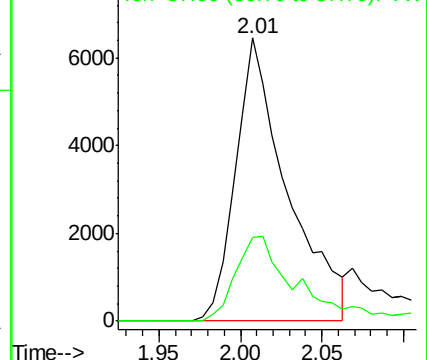
85 100

87 25.4 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: 4.511 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016322.D

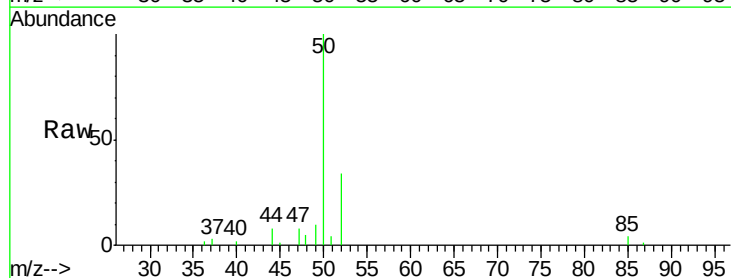
Acq: 24 Aug 2020 11:01

Tgt Ion: 50 Resp: 13114

Ion Ratio Lower Upper

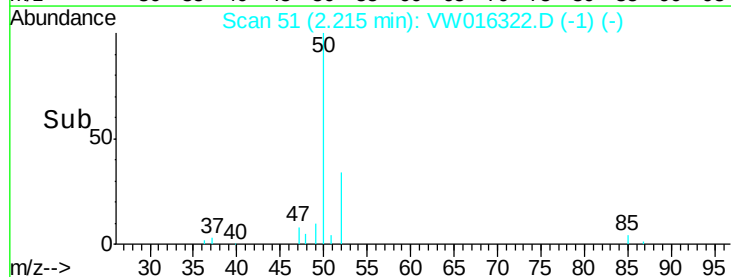
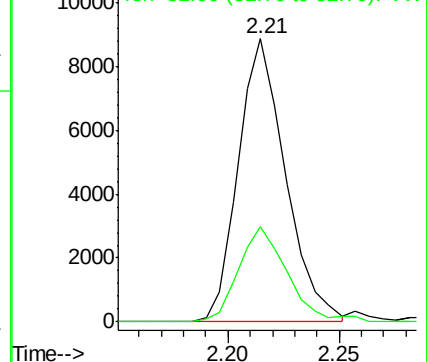
50 100

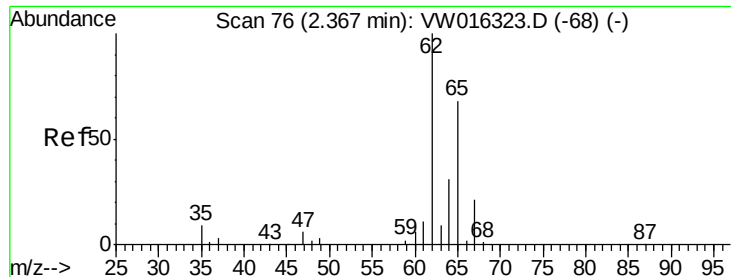
52 33.8 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 4.651 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

Instrument :

MSVOA_W

ClientSampled :

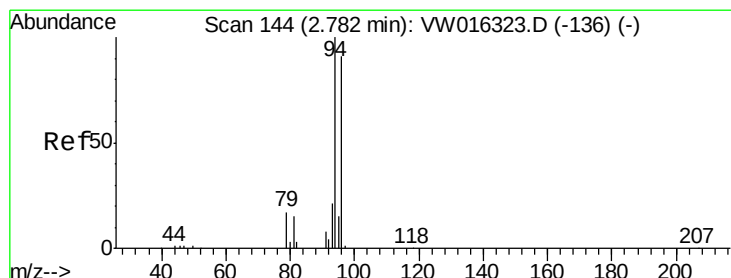
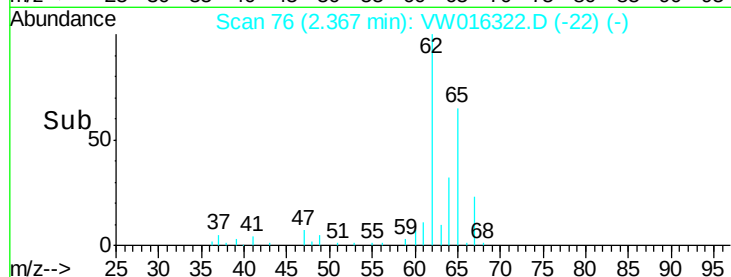
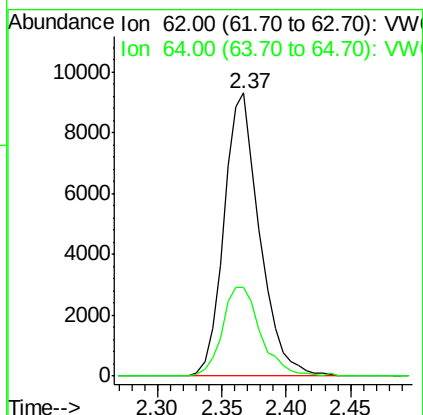
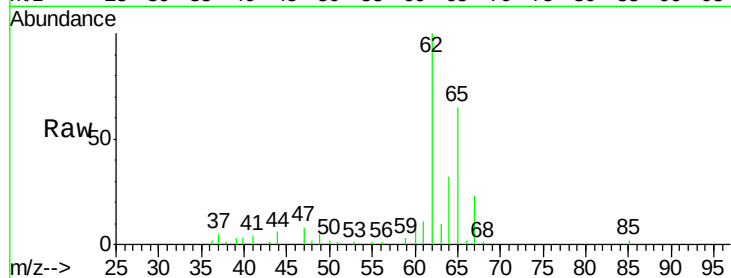
VSTD00503

Tgt Ion: 62 Resp: 17949

Ion Ratio Lower Upper

62 100

64 31.6 22.0 41.0



#6

Bromomethane

Concen: 4.843 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW016322.D

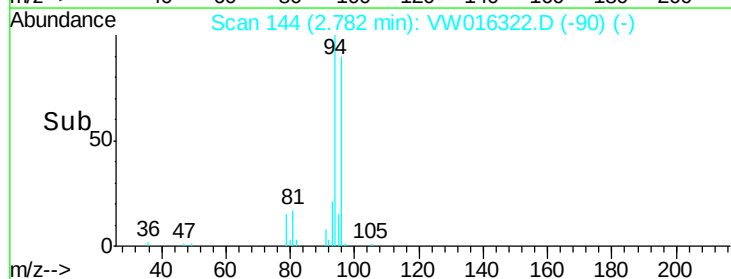
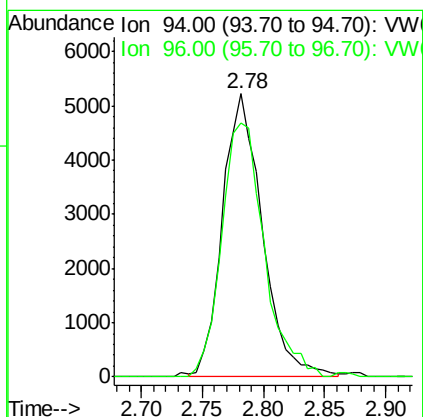
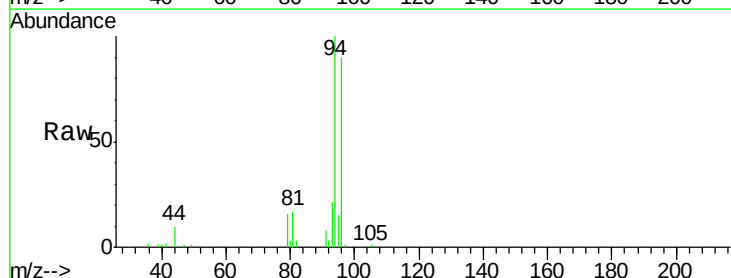
Acq: 24 Aug 2020 11:01

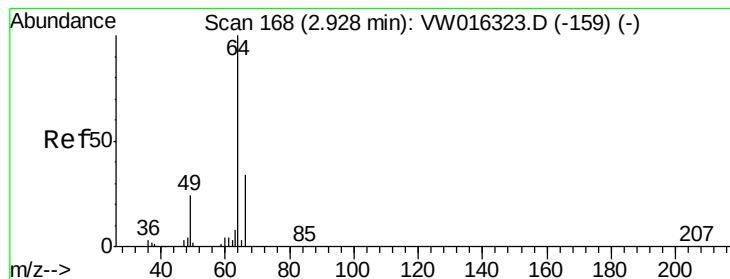
Tgt Ion: 94 Resp: 11834

Ion Ratio Lower Upper

94 100

96 95.6 9.3 176.7





#8

Chloroethane

Concen: 4.533 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

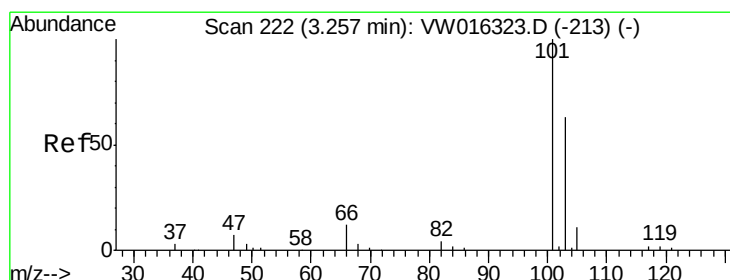
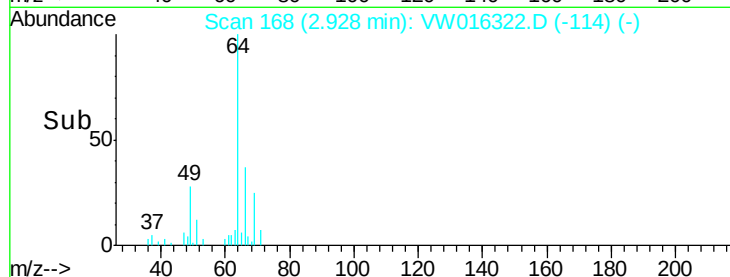
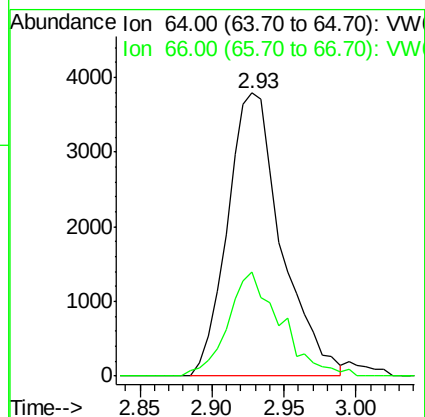
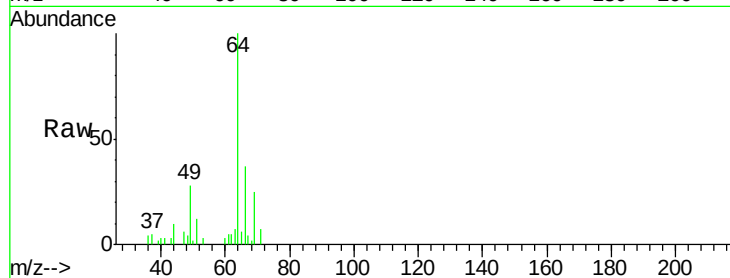
VSTD00503

Tgt Ion: 64 Resp: 9881

Ion Ratio Lower Upper

64 100

66 36.8 24.1 44.8



#9

Trichlorofluoromethane

Concen: 5.742 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW016322.D

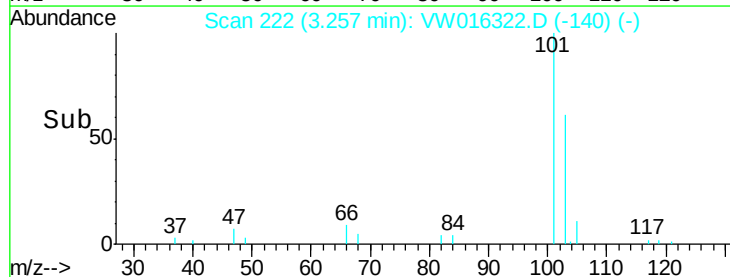
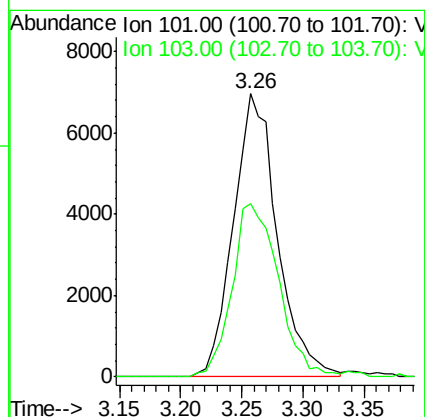
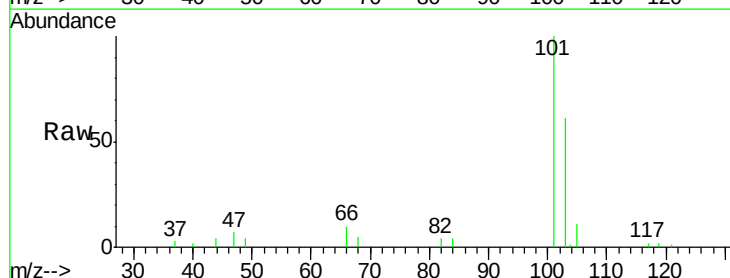
Acq: 24 Aug 2020 11:01

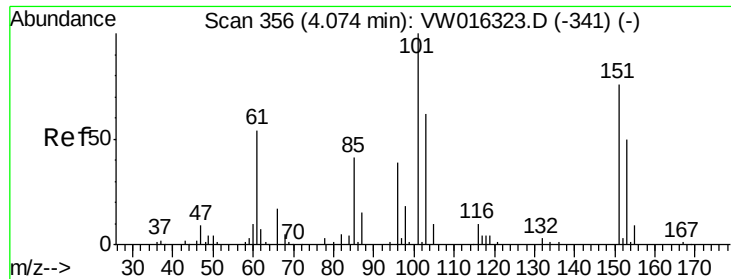
Tgt Ion: 101 Resp: 17348

Ion Ratio Lower Upper

101 100

103 64.4 44.8 83.2





#11

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

Concen: 2.653 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

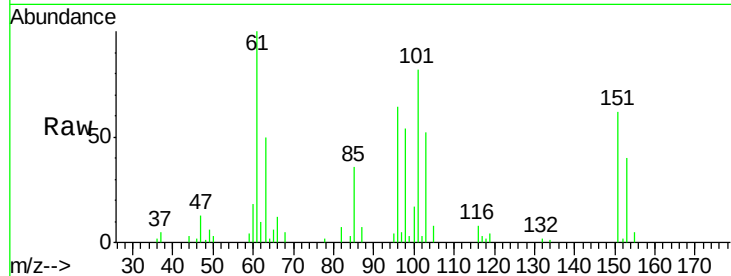
Tgt Ion: 101 Resp: 10781

Ion Ratio Lower Upper

101 100

85 79.1 31.8 47.6#

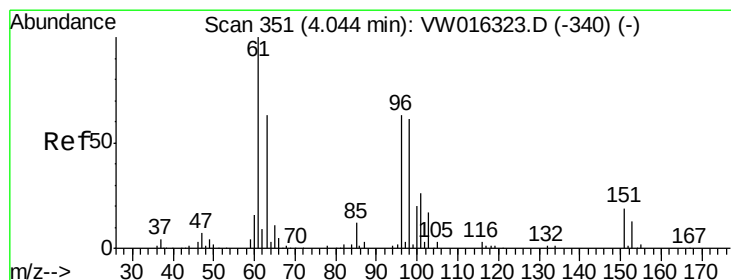
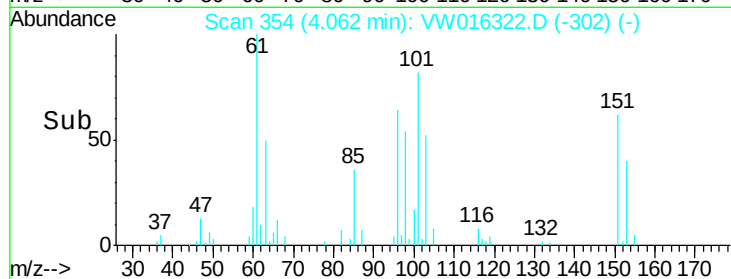
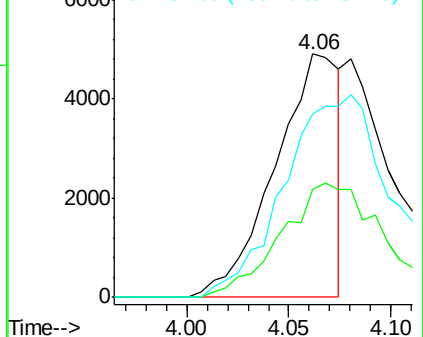
151 149.6 60.9 91.3#



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: 5.023 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

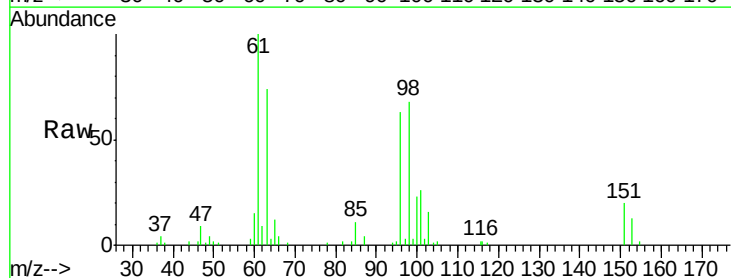
Tgt Ion: 96 Resp: 19369

Ion Ratio Lower Upper

96 100

61 158.7 112.3 208.5

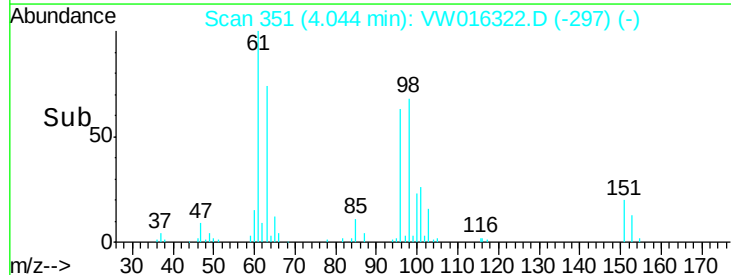
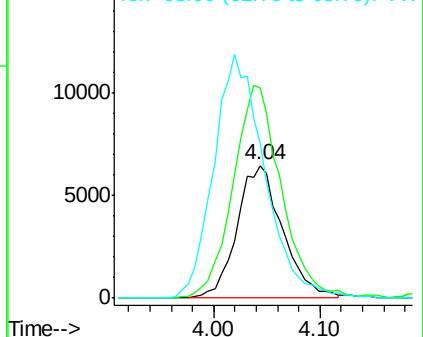
63 116.8 77.3 143.7

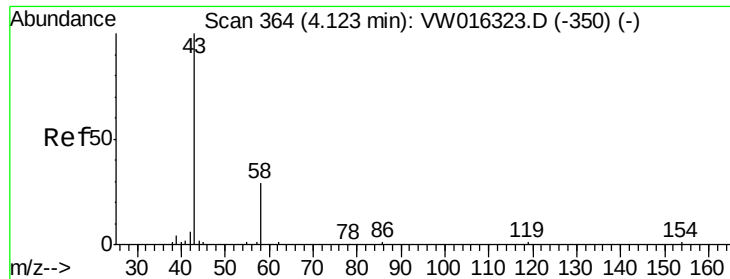


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 10.021 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

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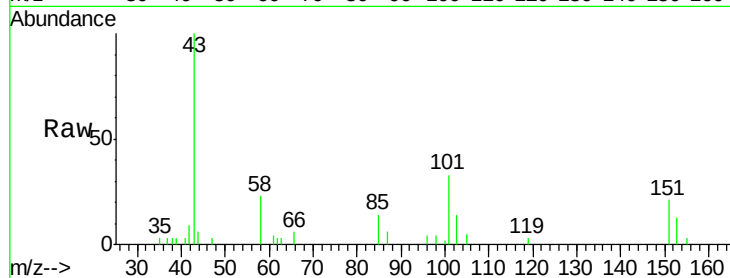
VSTD00503

Tgt Ion: 43 Resp: 7506

Ion Ratio Lower Upper

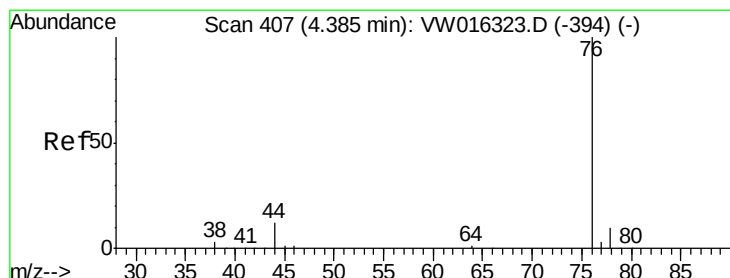
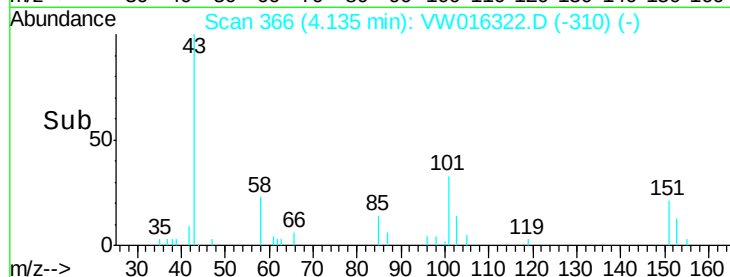
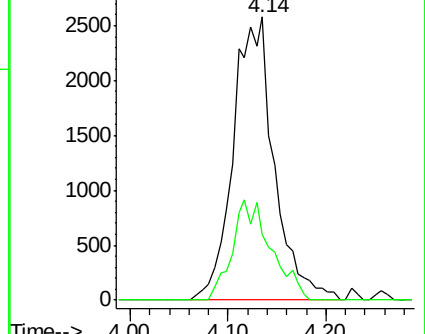
43 100

58 33.5 0.0 63.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 5.063 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW016322.D

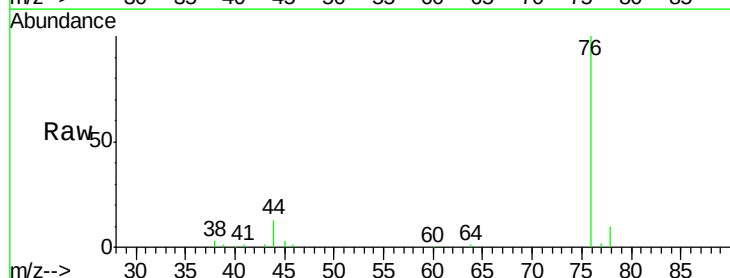
Acq: 24 Aug 2020 11:01

Tgt Ion: 76 Resp: 60114

Ion Ratio Lower Upper

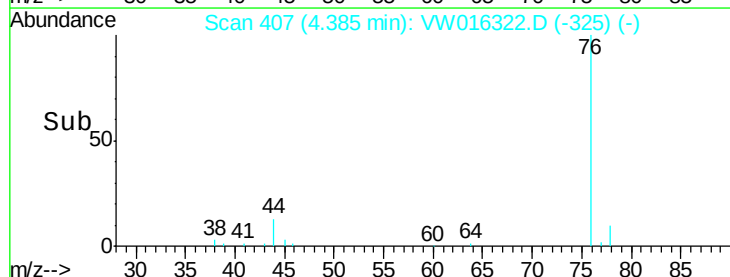
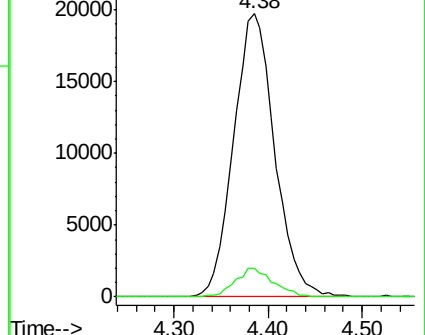
76 100

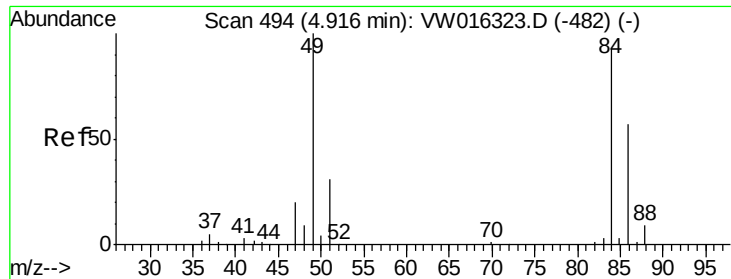
78 10.2 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

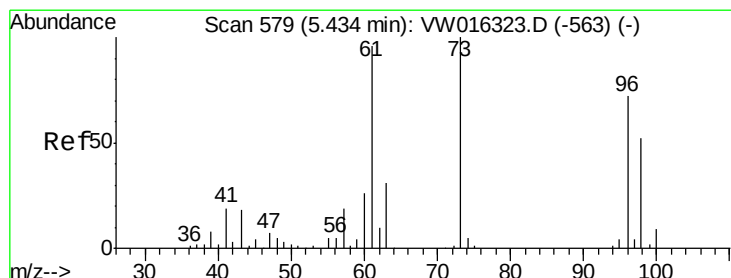
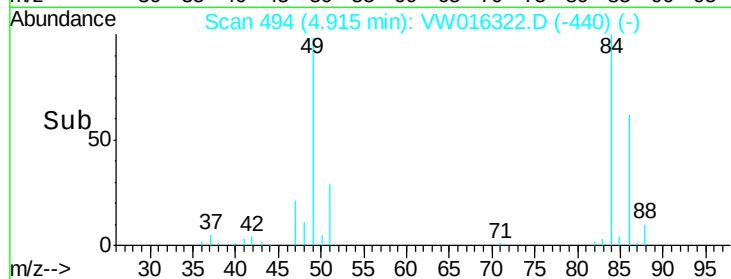
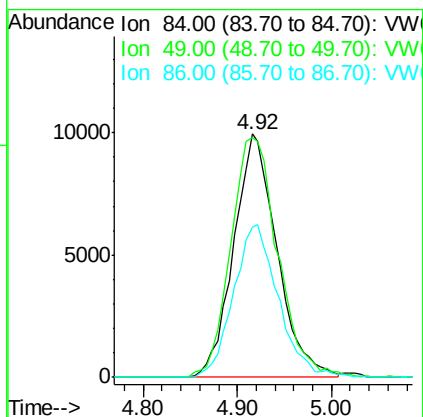
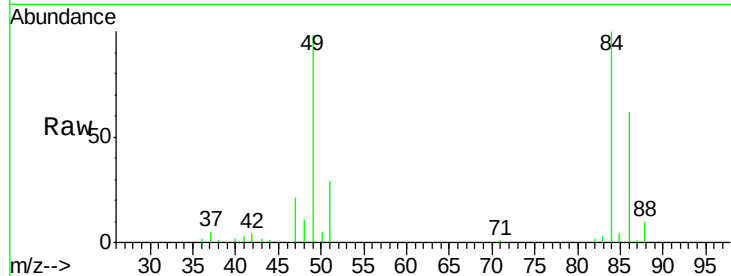




#16
Methylene chloride
Concen: 6.724 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW016322.D
Acq: 24 Aug 2020 11:01

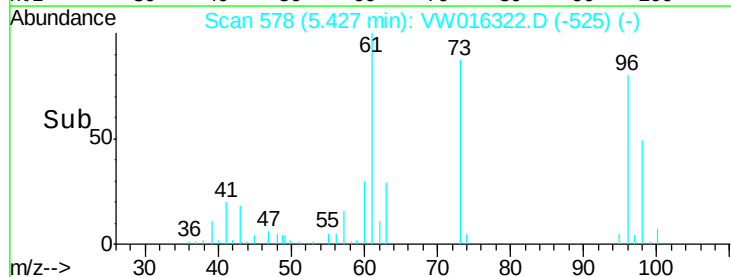
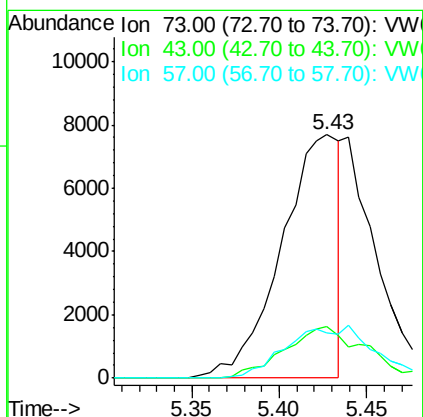
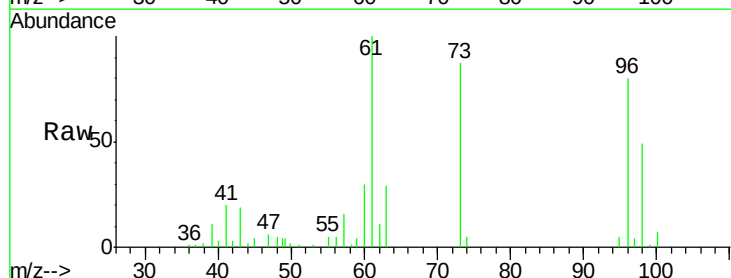
Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

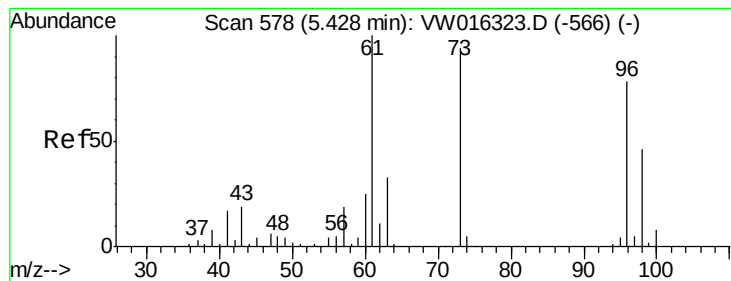
Tgt Ion: 84 Resp: 31882
Ion Ratio Lower Upper
84 100
49 98.4 75.3 139.9
86 61.9 43.3 80.3



#17
Methyl tert-butyl Ether
Concen: 3.240 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016322.D
Acq: 24 Aug 2020 11:01

Tgt Ion: 73 Resp: 17894
Ion Ratio Lower Upper
73 100
43 21.7 15.3 22.9
57 19.6 16.1 24.1





#18

trans-1,2-Dichloroethene

Concen: 5.238 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

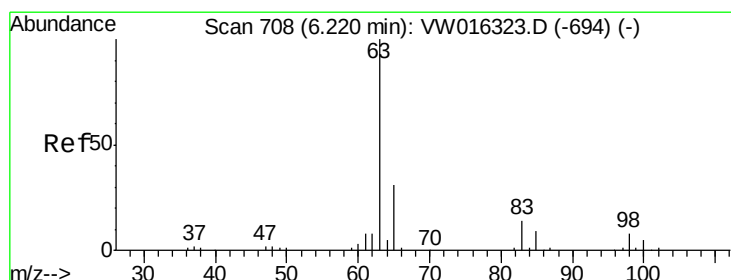
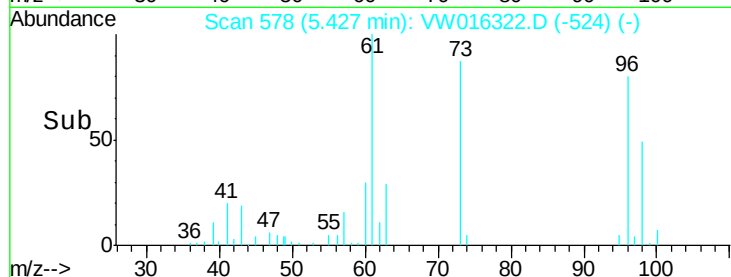
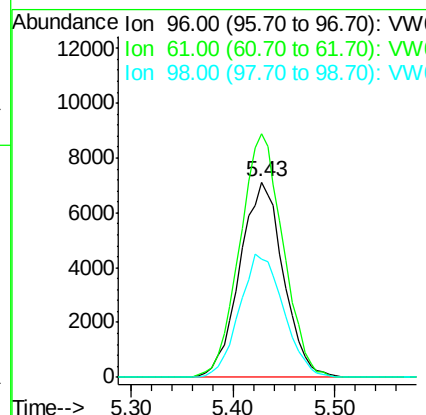
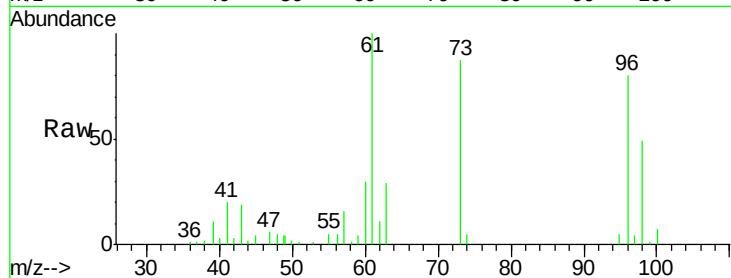
Tgt Ion: 96 Resp: 21136

Ion Ratio Lower Upper

96 100

61 124.7 89.9 167.0

98 60.6 41.6 77.2



#19

1,1-Dichloroethane

Concen: 4.811 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

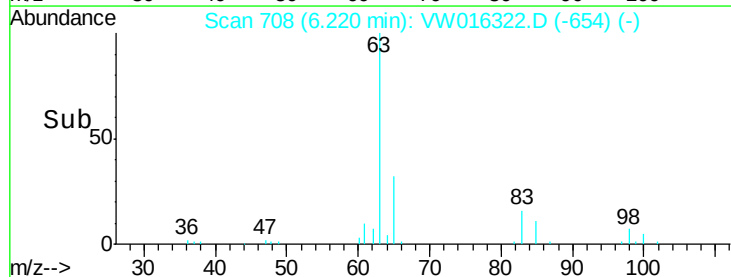
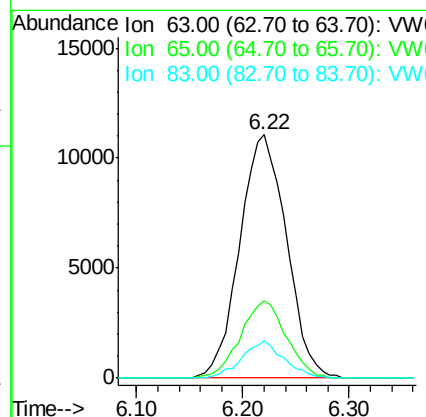
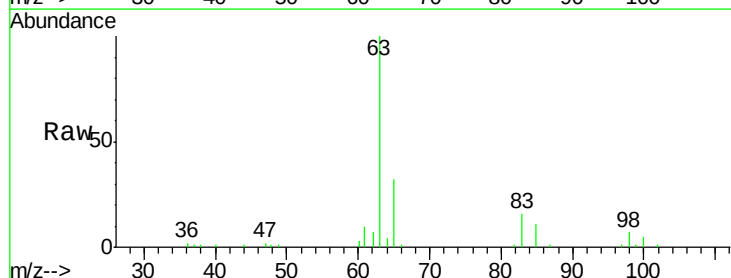
Tgt Ion: 63 Resp: 34050

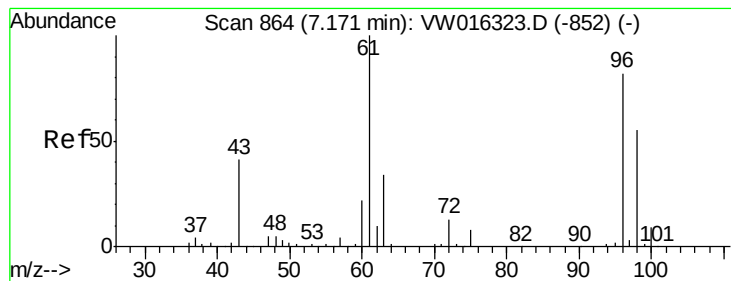
Ion Ratio Lower Upper

63 100

65 31.6 21.8 40.6

83 15.5 9.6 17.8





#21

2-Butanone

Concen: 8.252 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

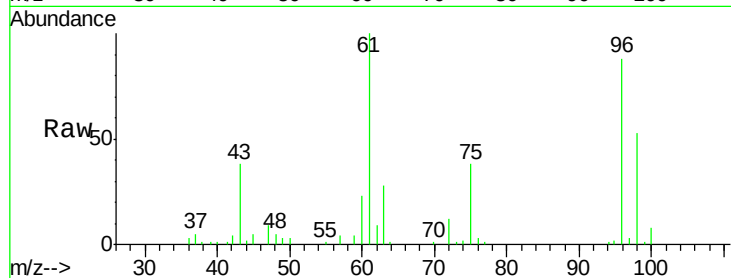
VSTD00503

Tgt Ion: 43 Resp: 9623

Ion Ratio Lower Upper

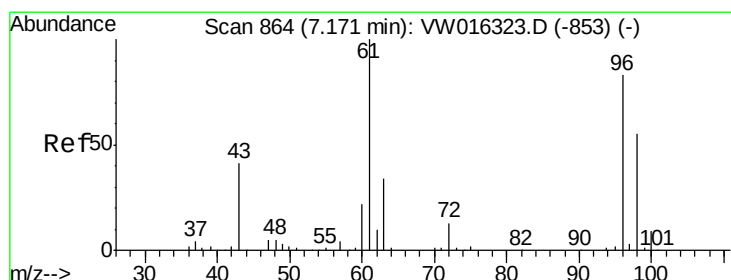
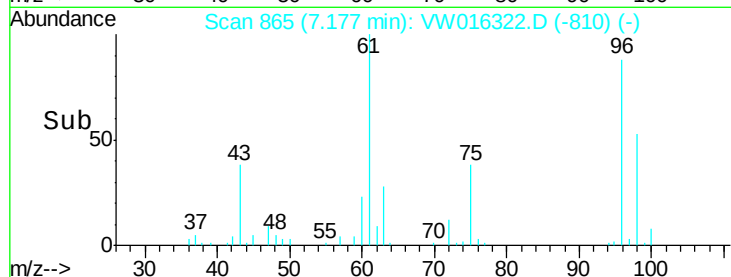
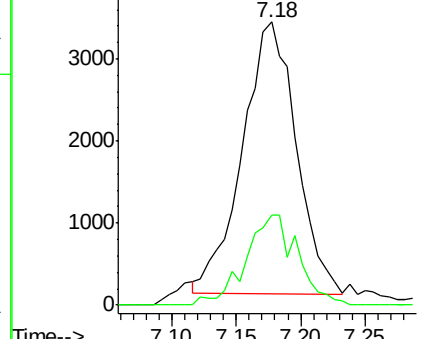
43 100

72 20.3 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: 5.051 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

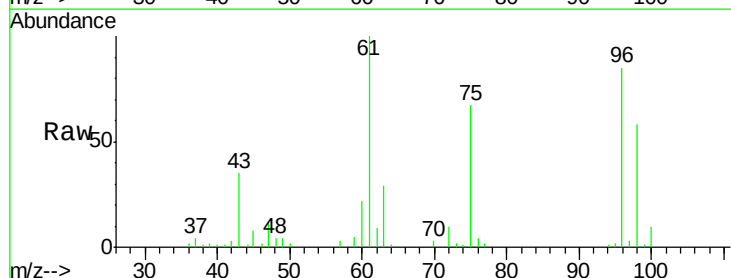
Tgt Ion: 96 Resp: 21619

Ion Ratio Lower Upper

96 100

61 118.0 84.9 157.7

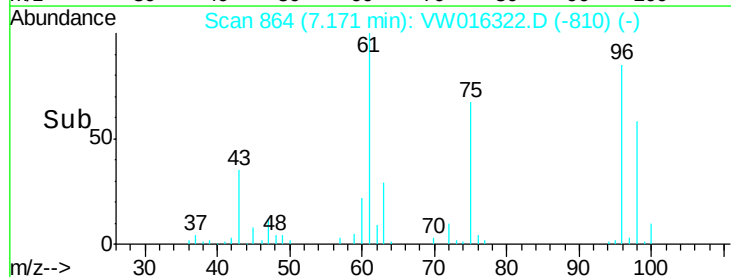
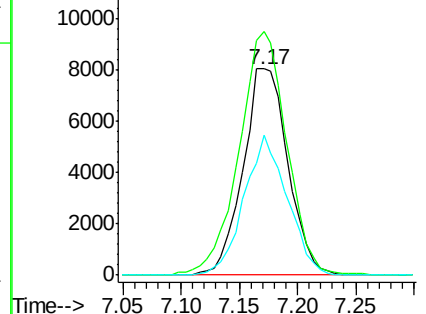
98 68.0 46.8 86.8

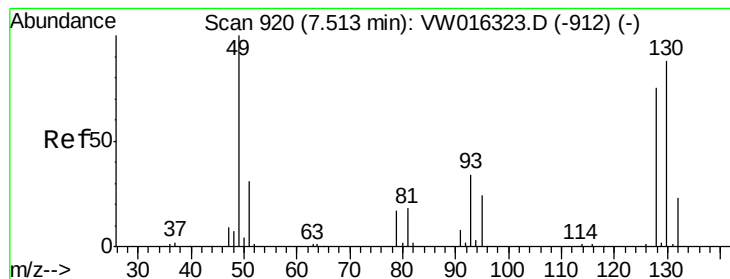


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#23

Bromochloromethane

Concen: 4.949 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

Tgt Ion: 128 Resp: 9755

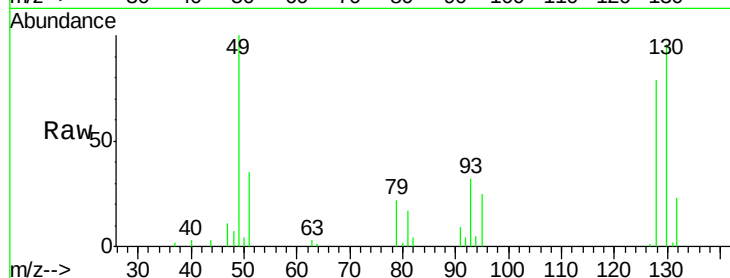
Ion Ratio Lower Upper

128 100

49 126.5 94.5 175.5

130 122.0 83.0 154.1

51 44.1 33.4 50.0



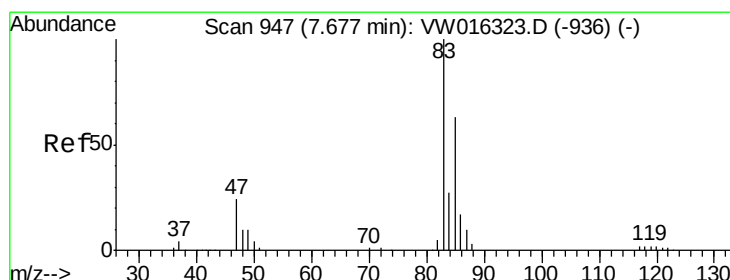
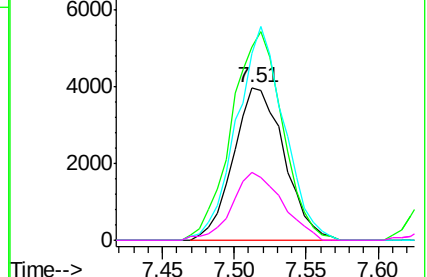
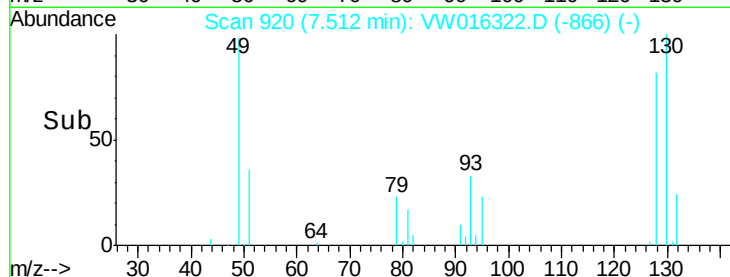
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV

Time-->



#25

Chloroform

Concen: 4.826 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW016322.D

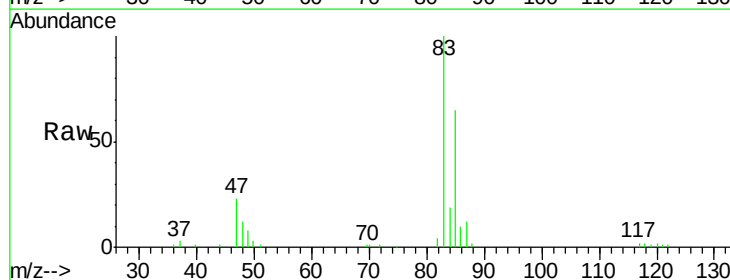
Acq: 24 Aug 2020 11:01

Tgt Ion: 83 Resp: 36512

Ion Ratio Lower Upper

83 100

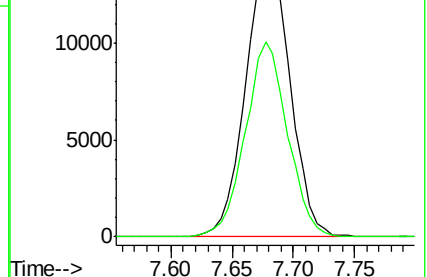
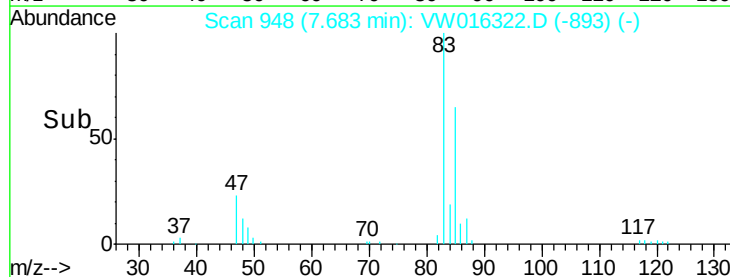
85 66.1 45.3 84.1

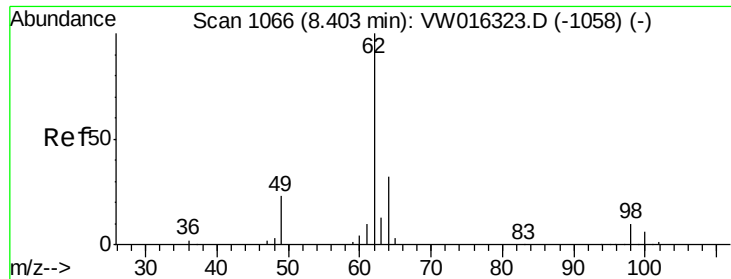


Abundance Ion 83.00 (82.70 to 83.70): VV

Ion 85.00 (84.70 to 85.70): VV

Time-->

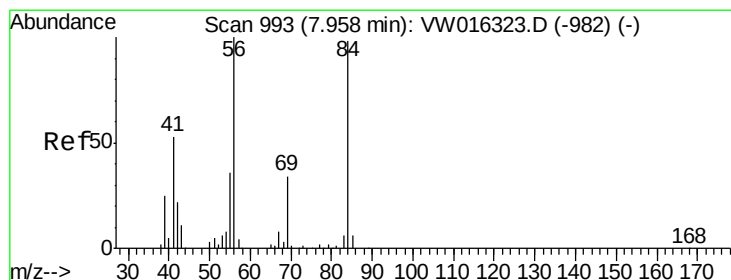
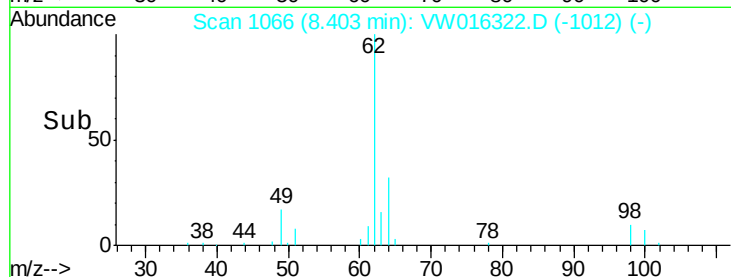
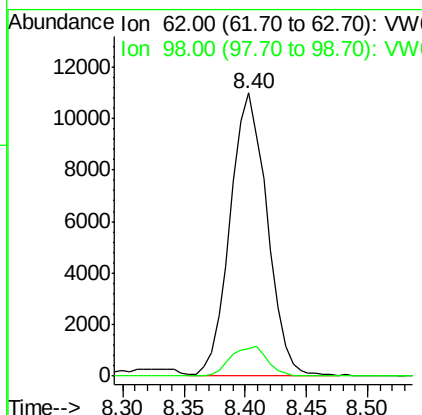
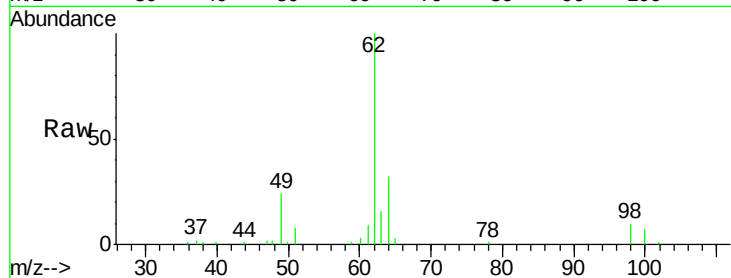




#27
 1,2-Dichloroethane
 Concen: 4.639 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VW016322.D
 Acq: 24 Aug 2020 11:01

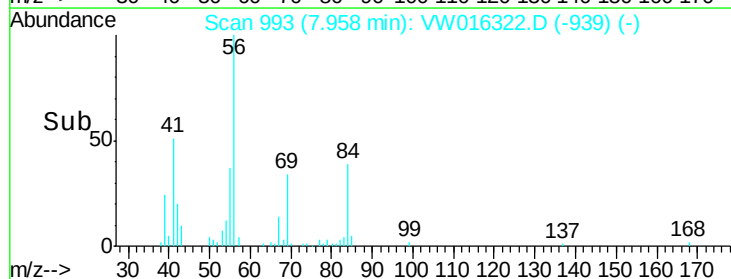
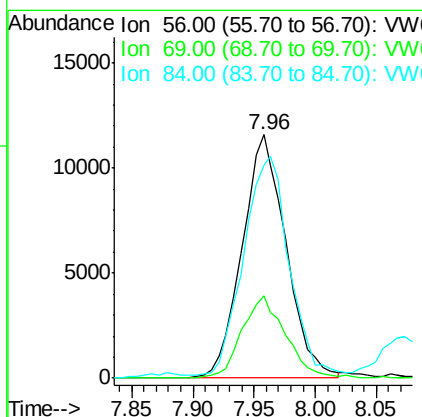
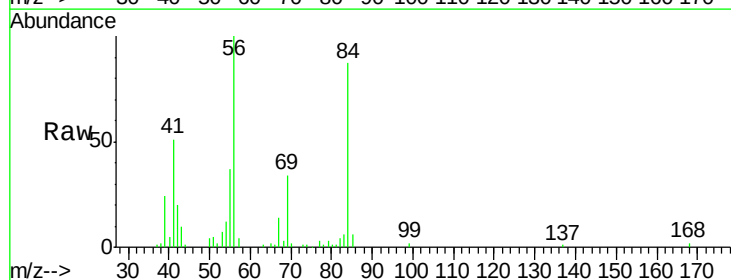
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00503

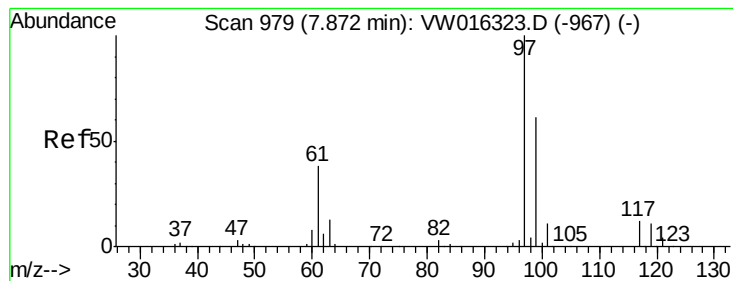
Tgt Ion: 62 Resp: 23111
 Ion Ratio Lower Upper
 62 100
 98 9.6 7.8 11.8



#30
 Cyclohexane
 Concen: 4.840 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VW016322.D
 Acq: 24 Aug 2020 11:01

Tgt Ion: 56 Resp: 28921
 Ion Ratio Lower Upper
 56 100
 69 33.2 26.6 40.0
 84 96.2 78.4 117.6





#31

1,1,1-Trichloroethane

Concen: 5.136 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

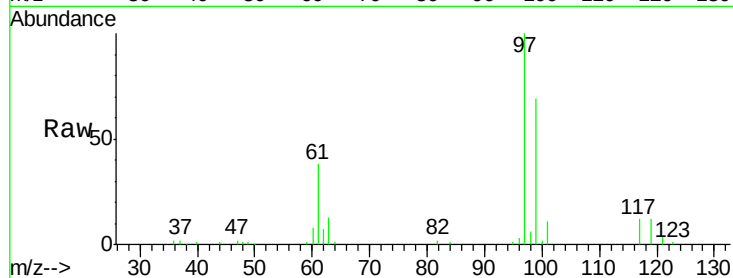
Tgt Ion: 97 Resp: 32919

Ion Ratio Lower Upper

97 100

99 65.7 51.5 77.3

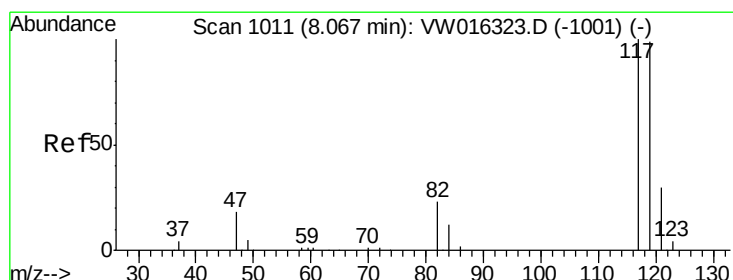
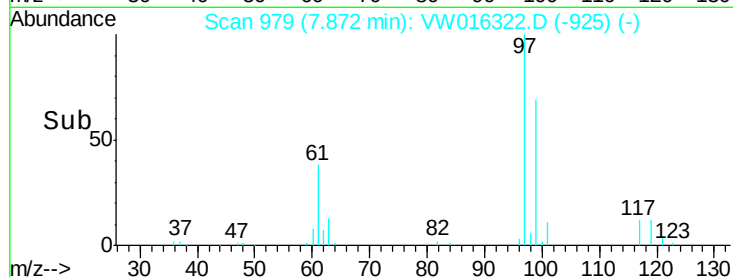
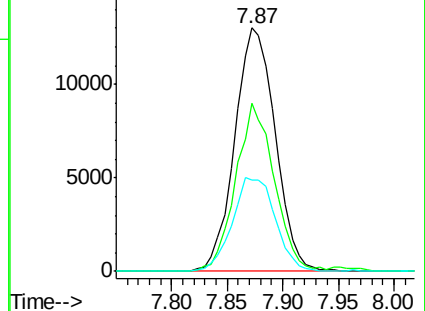
61 40.8 32.0 48.0



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 5.171 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016322.D

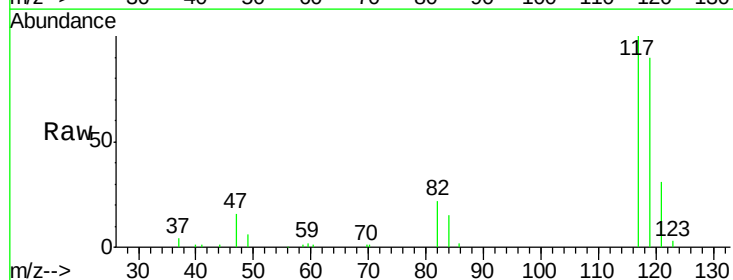
Acq: 24 Aug 2020 11:01

Tgt Ion: 117 Resp: 31333

Ion Ratio Lower Upper

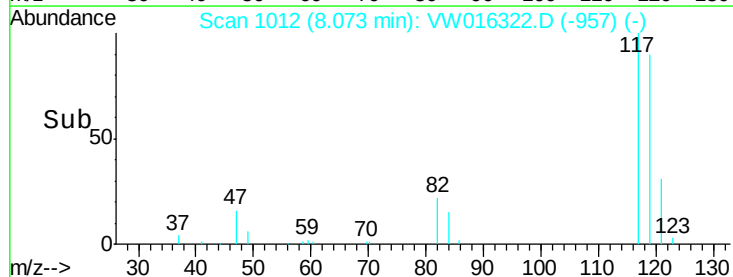
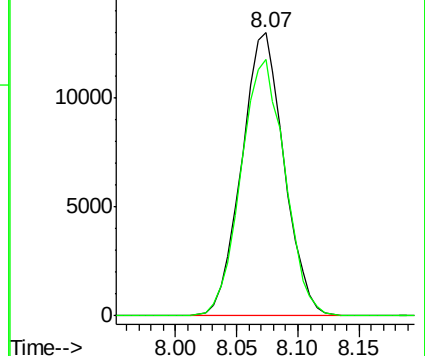
117 100

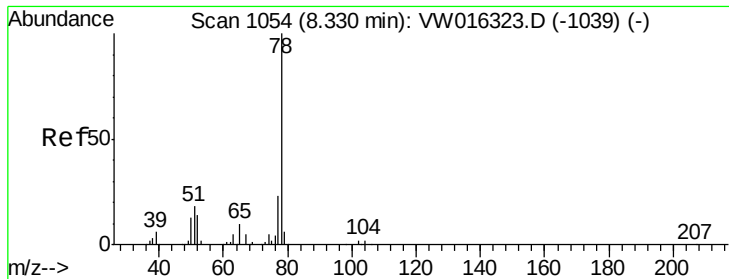
119 93.8 77.3 115.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 4.969 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

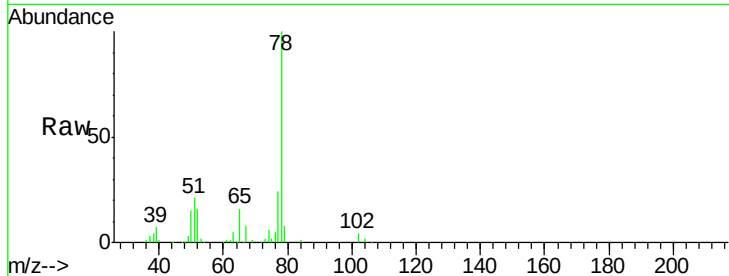
Instrument :

MSVOA_W

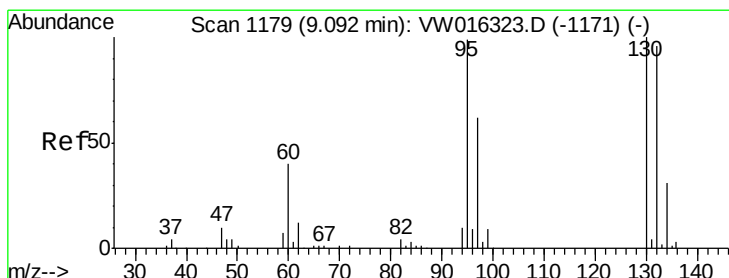
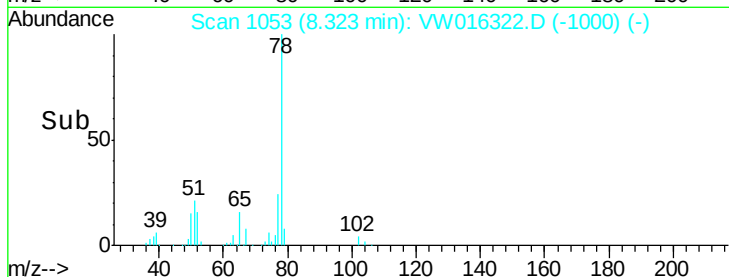
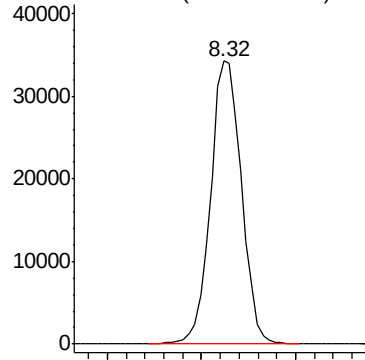
ClientSampled :

VSTD00503

Tgt Ion: 78 Resp: 79056



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 5.232 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

Tgt Ion: 95 Resp: 22615

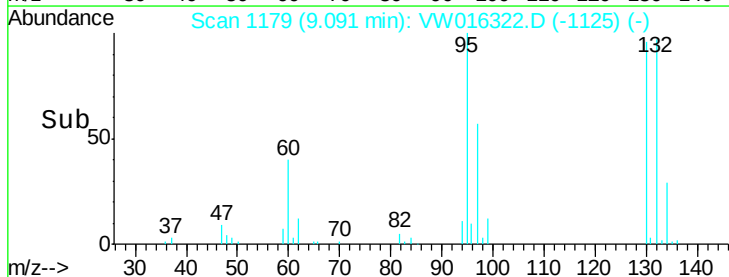
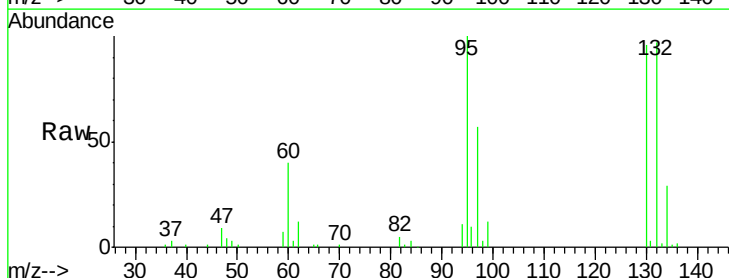
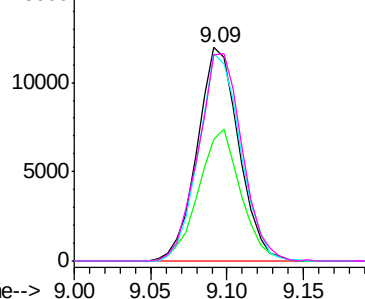
Ion	Ratio	Lower	Upper
95	100		
97	62.1	44.9	83.5
132	97.7	68.2	126.6
130	102.1	71.5	132.9

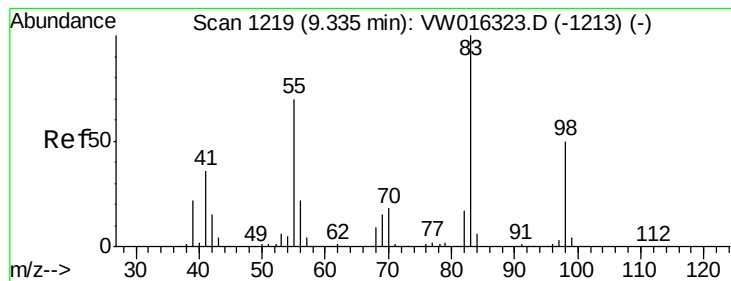
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW





#36

Methylcyclohexane

Concen: 5.050 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

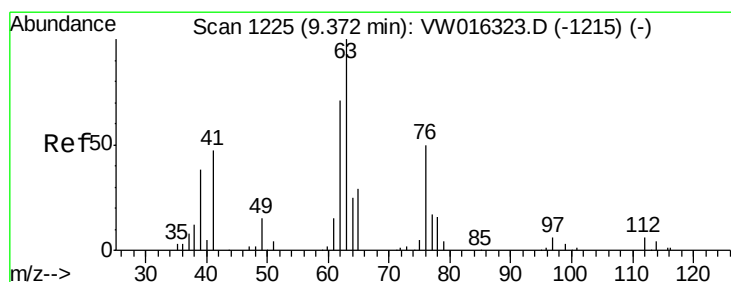
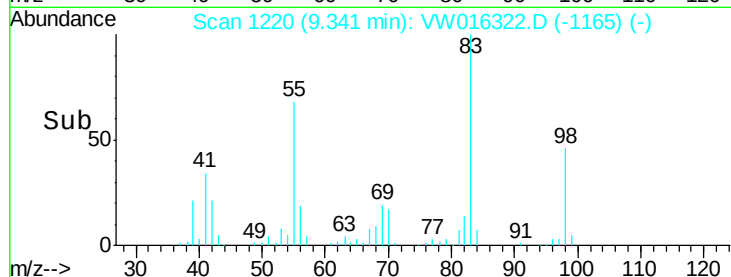
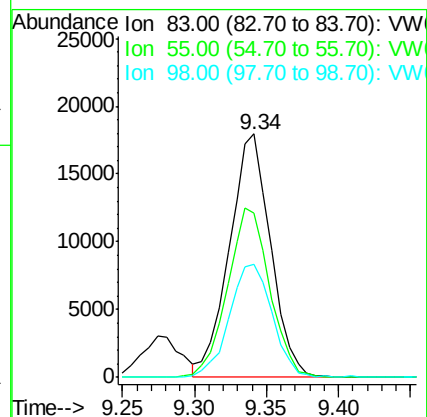
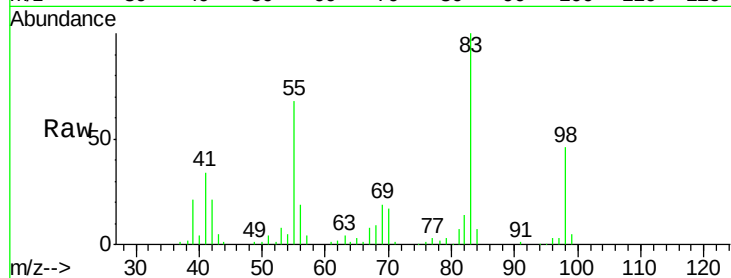
Tgt Ion: 83 Resp: 35793

Ion Ratio Lower Upper

83 100

55 71.3 55.6 83.4

98 48.3 40.6 61.0



#40

1,2-Dichloropropane

Concen: 4.831 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW016322.D

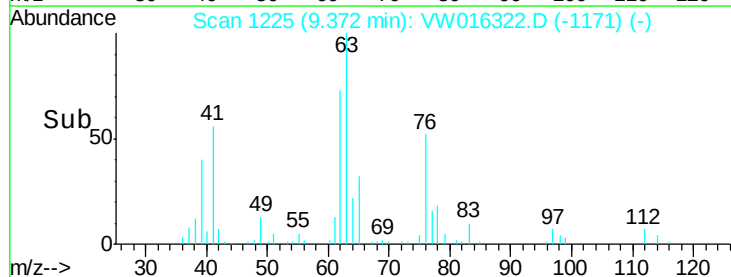
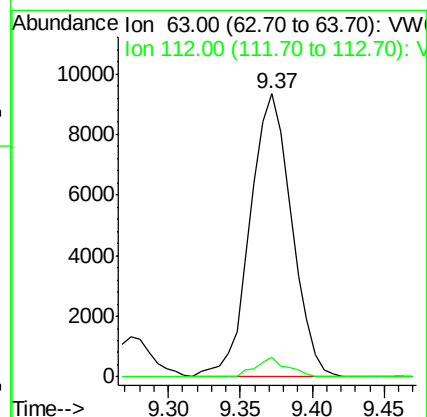
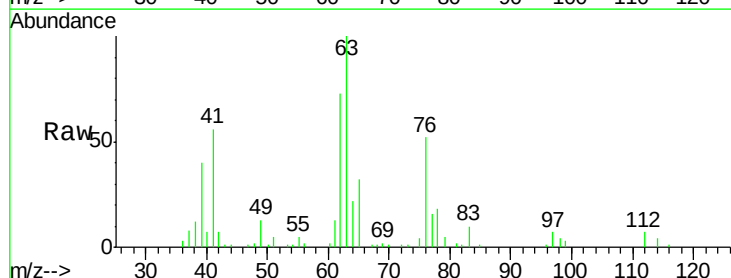
Acq: 24 Aug 2020 11:01

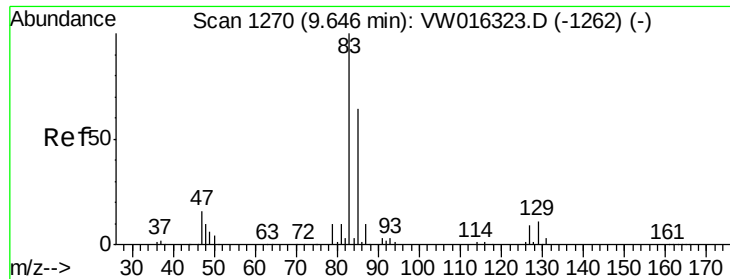
Tgt Ion: 63 Resp: 18679

Ion Ratio Lower Upper

63 100

112 5.2 4.4 6.6





#41

Bromodichloromethane

Concen: 4.678 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

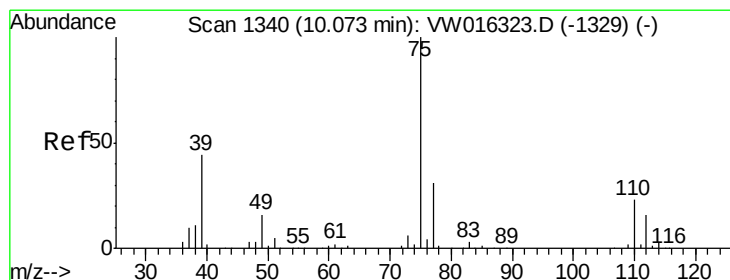
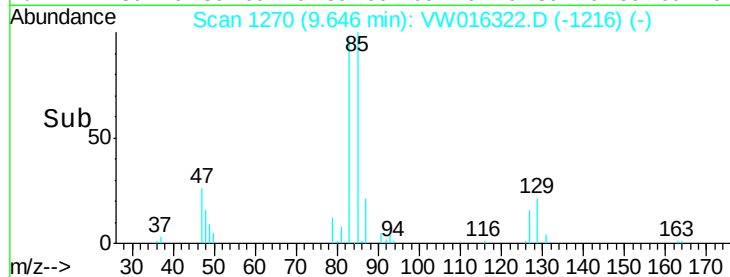
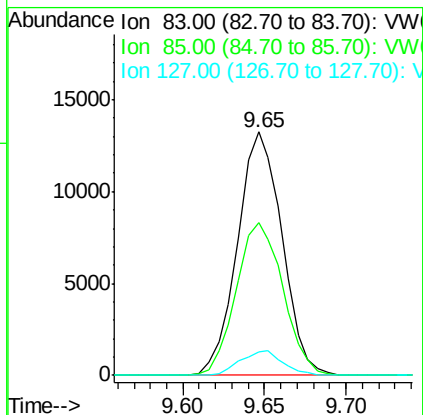
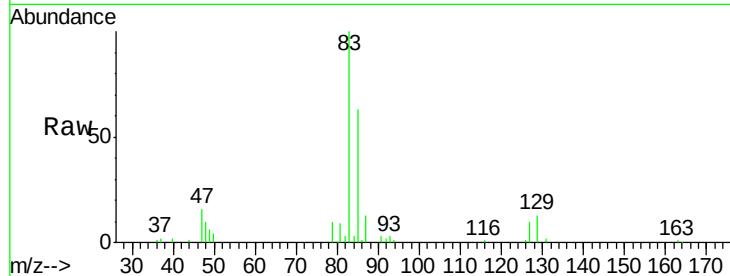
Tgt Ion: 83 Resp: 25200

Ion Ratio Lower Upper

83 100

85 62.9 44.7 83.1

127 9.8 7.0 10.4



#42

cis-1,3-Dichloropropene

Concen: 4.745 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW016322.D

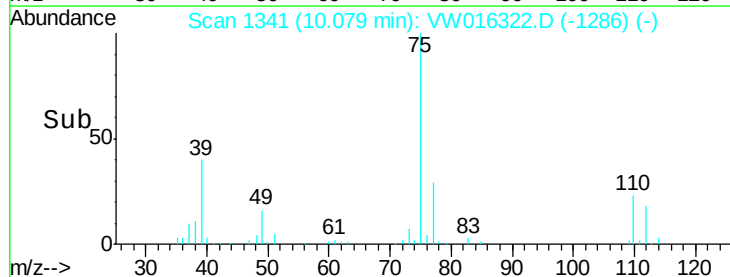
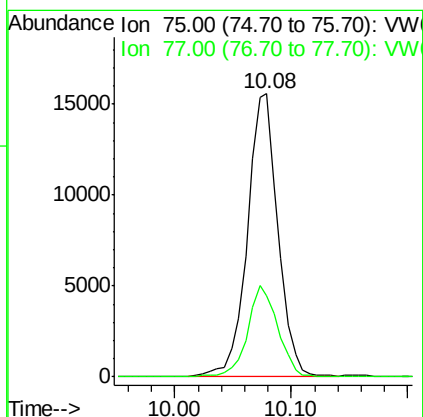
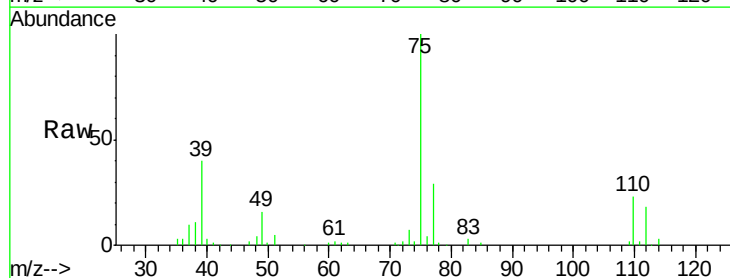
Acq: 24 Aug 2020 11:01

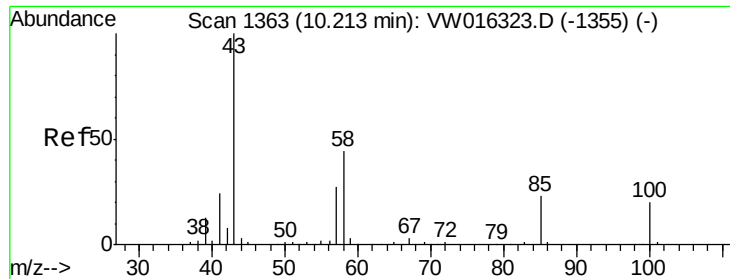
Tgt Ion: 75 Resp: 28461

Ion Ratio Lower Upper

75 100

77 28.8 22.0 40.8

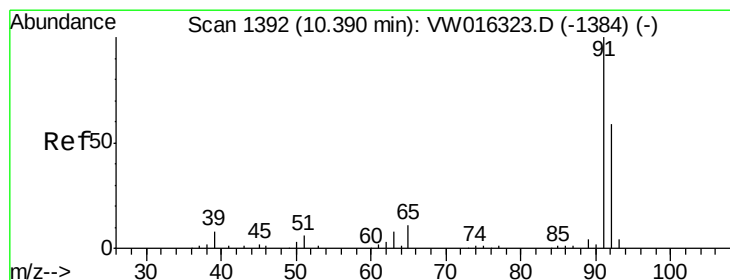
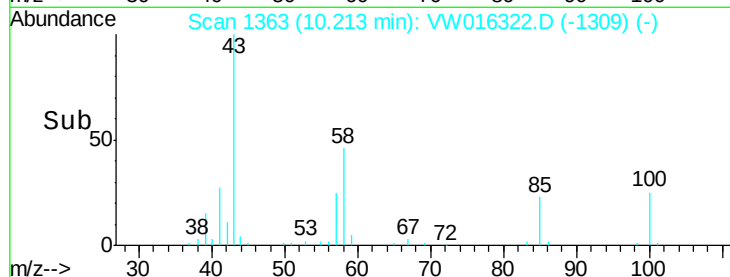
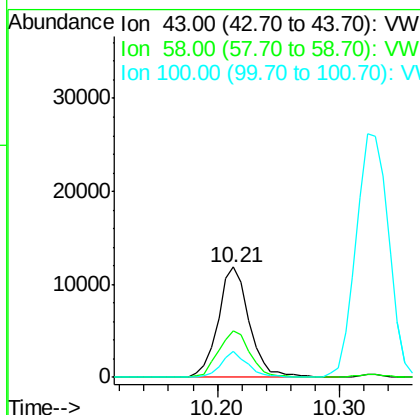
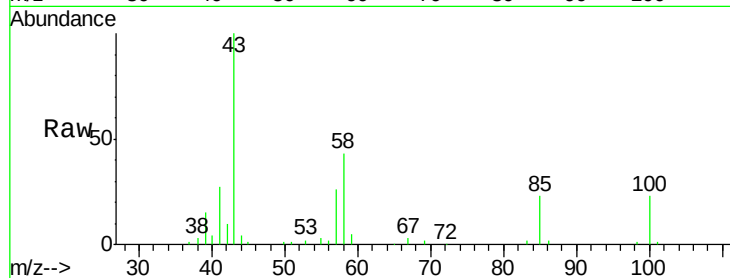




#43
4-Methyl-2-pentanone
Concen: 8.991 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW016322.D
Acq: 24 Aug 2020 11:01

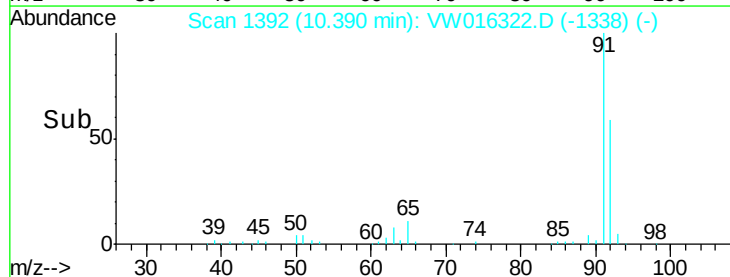
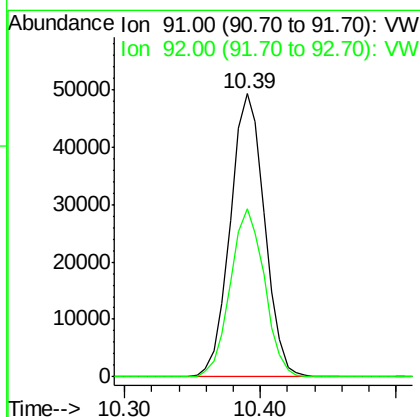
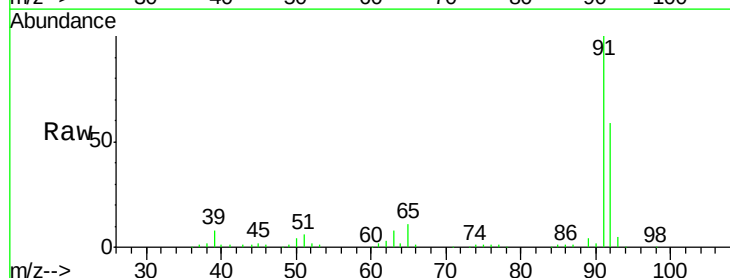
Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

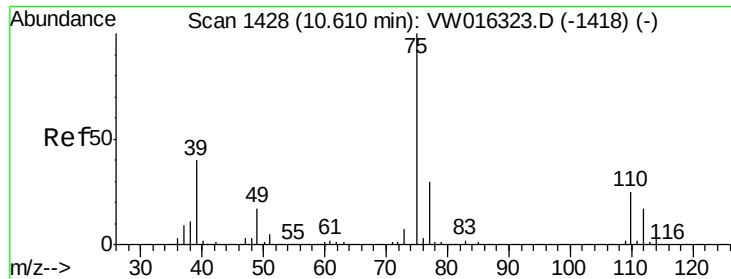
Tgt Ion: 43 Resp: 20987
Ion Ratio Lower Upper
43 100
58 42.7 34.9 52.3
100 20.0 15.9 23.9



#44
Toluene
Concen: 5.123 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW016322.D
Acq: 24 Aug 2020 11:01

Tgt Ion: 91 Resp: 86412
Ion Ratio Lower Upper
91 100
92 59.3 41.5 77.1

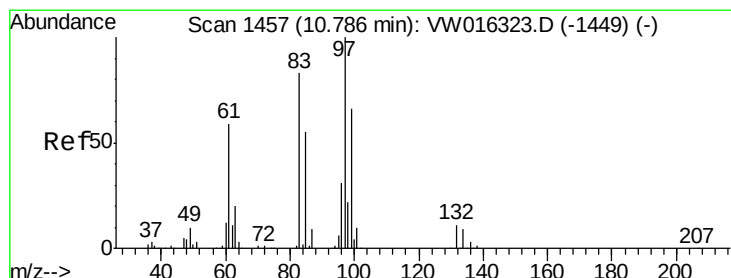
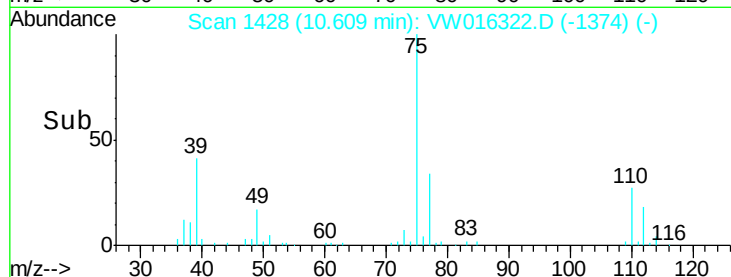
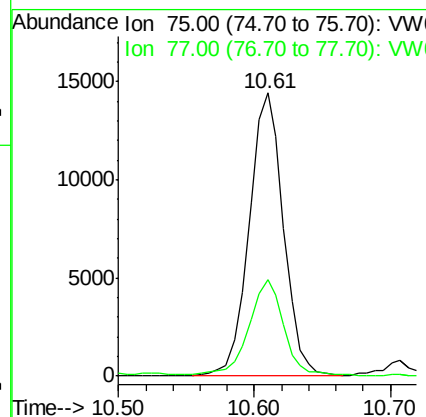
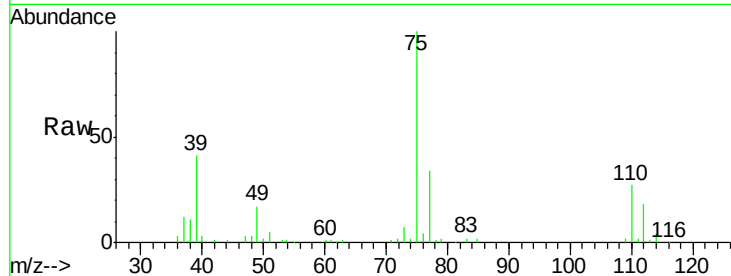




#45
 trans-1,3-Dichloropropene
 Concen: 4.712 ug/L
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW016322.D
 Acq: 24 Aug 2020 11:01

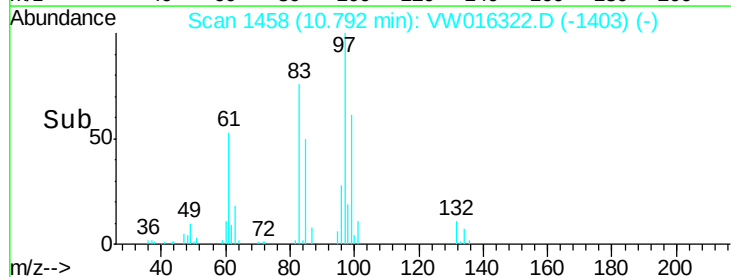
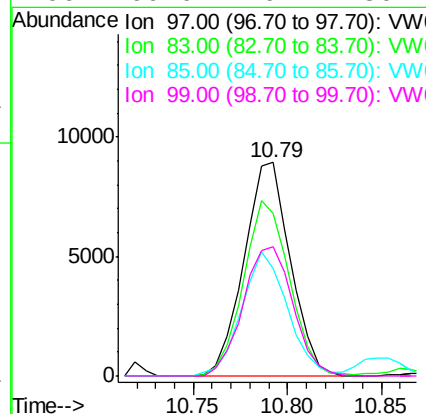
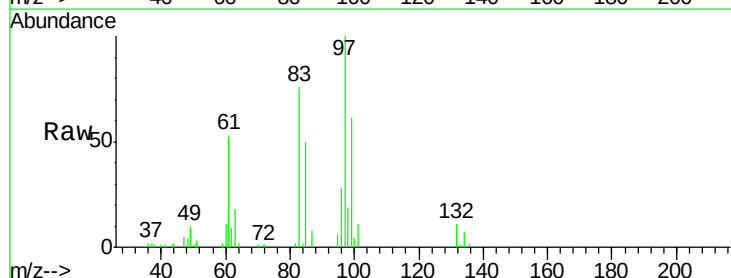
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

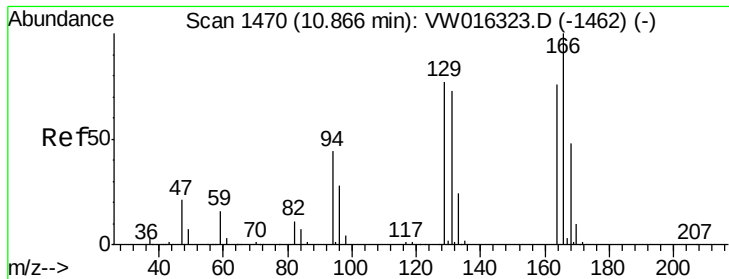
Tgt Ion: 75 Resp: 25399
 Ion Ratio Lower Upper
 75 100
 77 34.2 21.3 39.5



#46
 1,1,2-Trichloroethane
 Concen: 4.923 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016322.D
 Acq: 24 Aug 2020 11:01

Tgt Ion: 97 Resp: 15263
 Ion Ratio Lower Upper
 97 100
 83 76.3 57.9 107.5
 85 50.3 38.8 72.0
 99 60.6 46.4 86.2

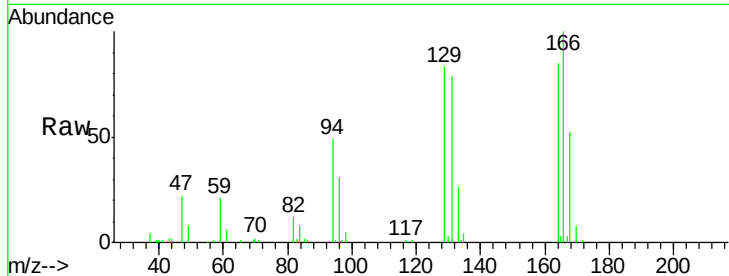




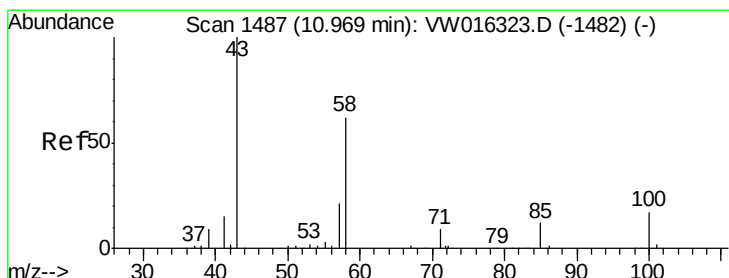
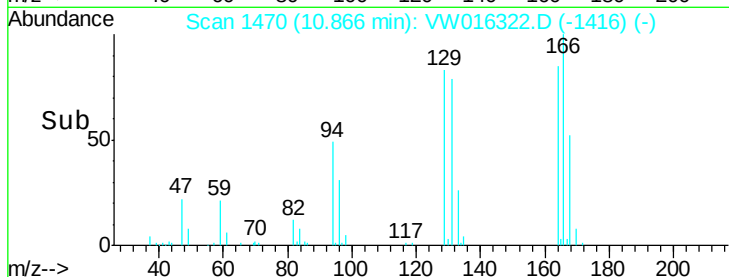
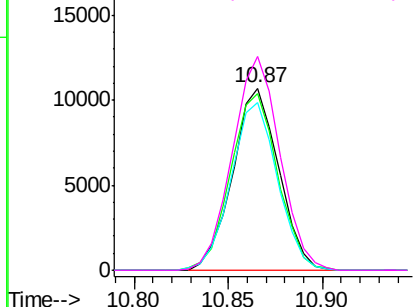
#47
Tetrachloroethene
Concen: 5.535 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW016322.D
Acq: 24 Aug 2020 11:01

Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

Tgt Ion:164 Resp: 18143
Ion Ratio Lower Upper
164 100
129 97.0 71.5 132.7
131 92.3 67.4 125.2
166 117.5 92.5 171.9

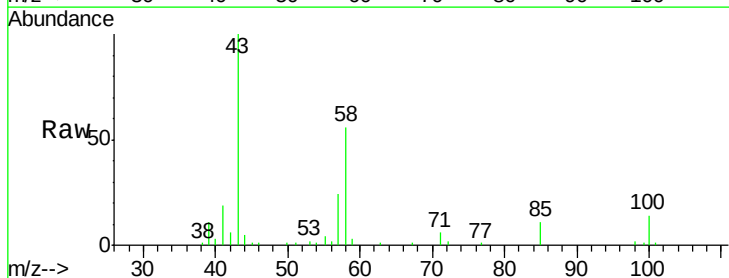


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

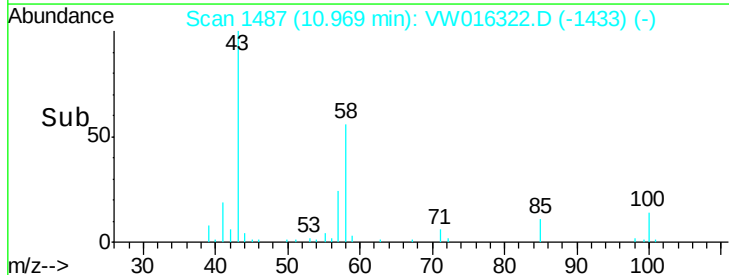
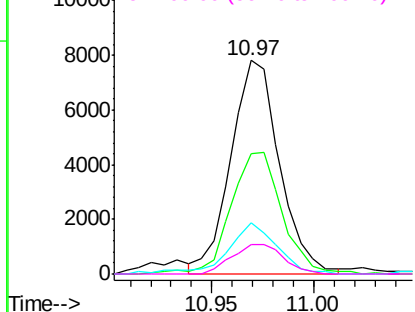


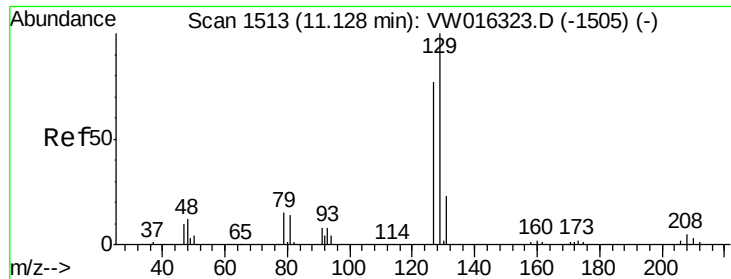
#49
2-Hexanone
Concen: 8.295 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016322.D
Acq: 24 Aug 2020 11:01

Tgt Ion: 43 Resp: 12957
Ion Ratio Lower Upper
43 100
58 58.9 49.5 74.3
57 22.8 17.7 26.5
100 14.7 12.9 19.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

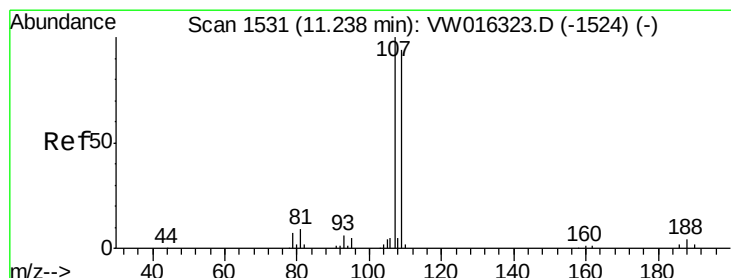
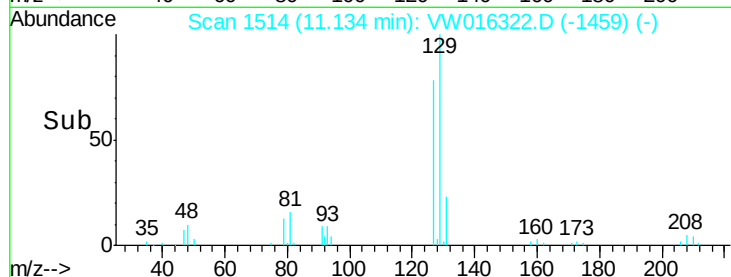
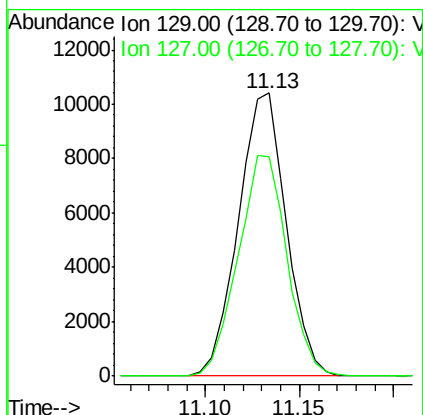
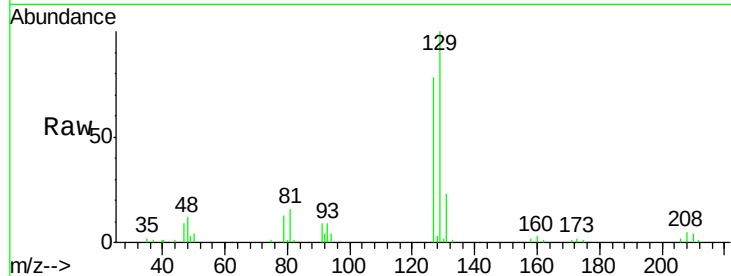




#50
Dibromochloromethane
Concen: 4.954 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016322.D
Acq: 24 Aug 2020 11:01

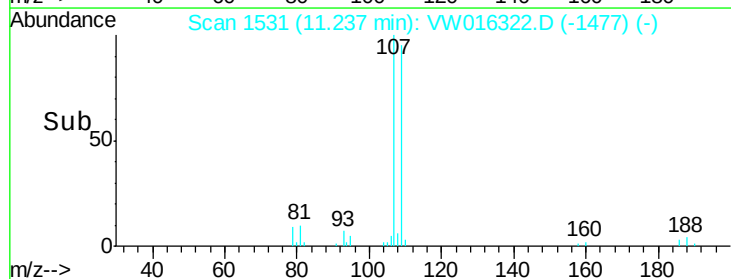
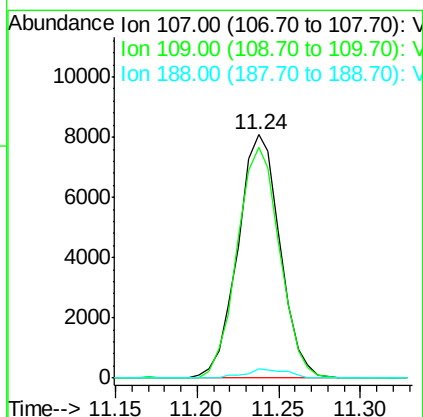
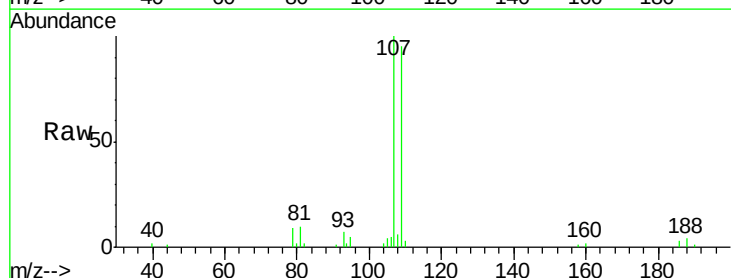
Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

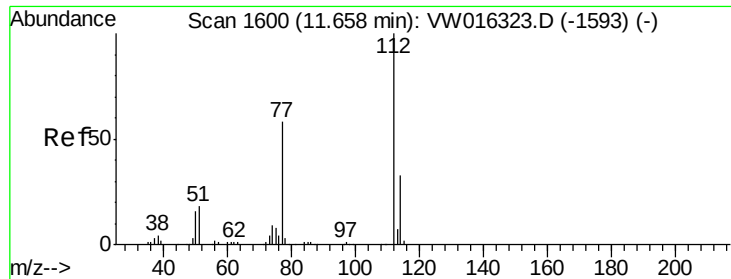
Tgt Ion:129 Resp: 18337
Ion Ratio Lower Upper
129 100
127 77.7 53.8 99.8



#51
1,2-Dibromoethane
Concen: 4.936 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016322.D
Acq: 24 Aug 2020 11:01

Tgt Ion:107 Resp: 14578
Ion Ratio Lower Upper
107 100
109 94.8 65.7 121.9
188 3.7 3.3 4.9





#52

Chlorobenzene

Concen: 5.162 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

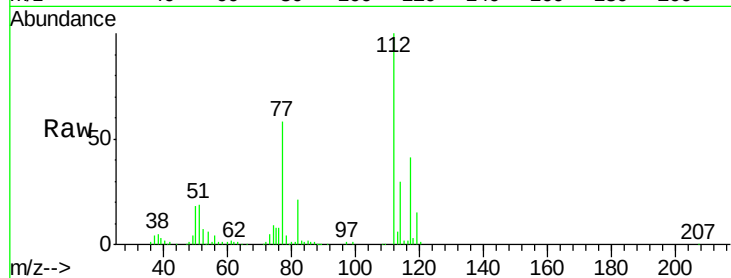
Tgt Ion: 112 Resp: 58003

Ion Ratio Lower Upper

112 100

77 57.8 46.9 70.3

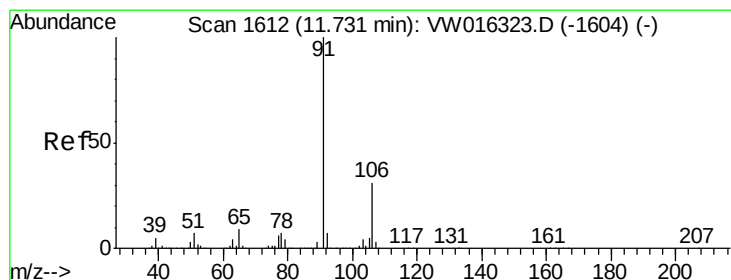
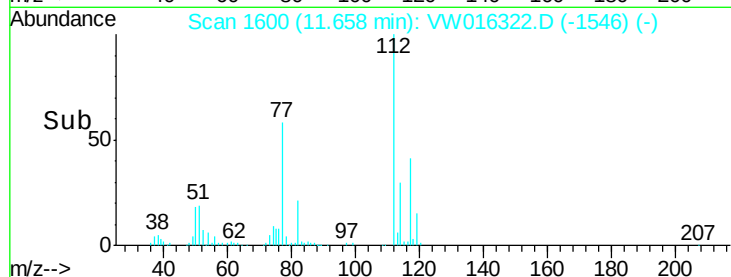
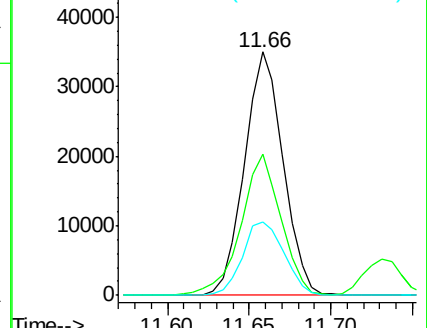
114 29.9 23.3 43.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 5.098 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016322.D

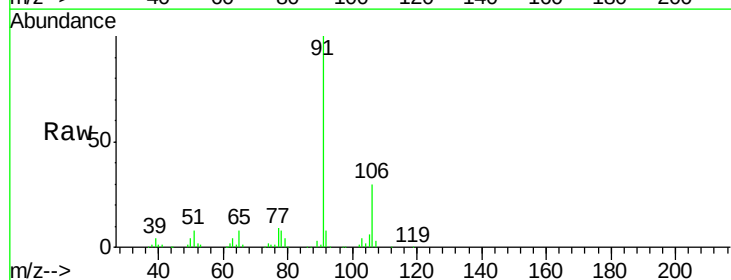
Acq: 24 Aug 2020 11:01

Tgt Ion: 91 Resp: 97796

Ion Ratio Lower Upper

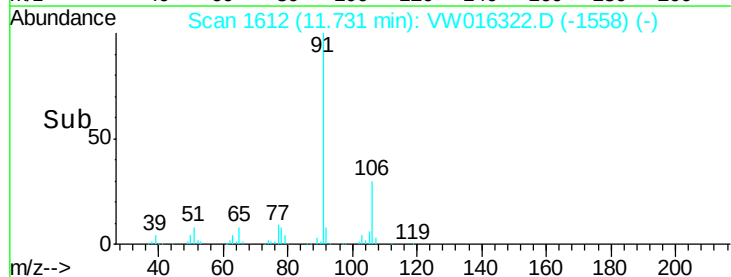
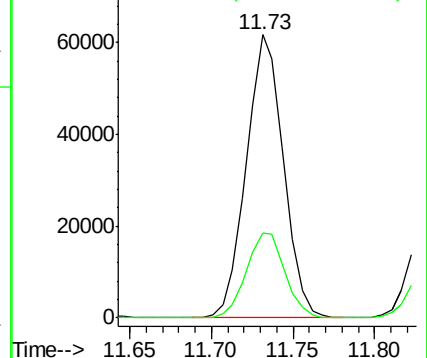
91 100

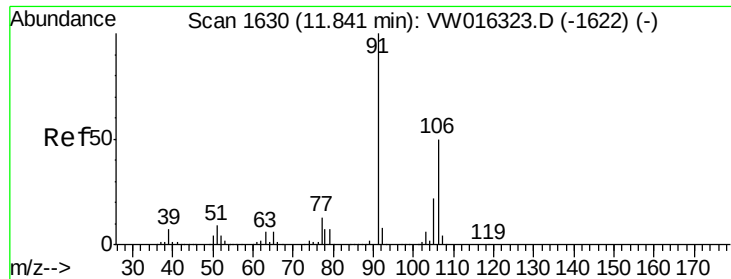
106 29.9 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 5.047 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

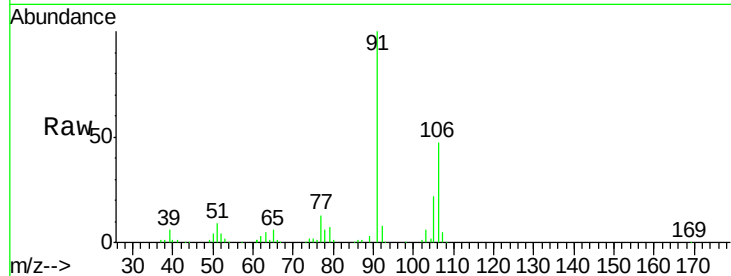
VSTD00503

Tgt Ion:106 Resp: 36628

Ion Ratio Lower Upper

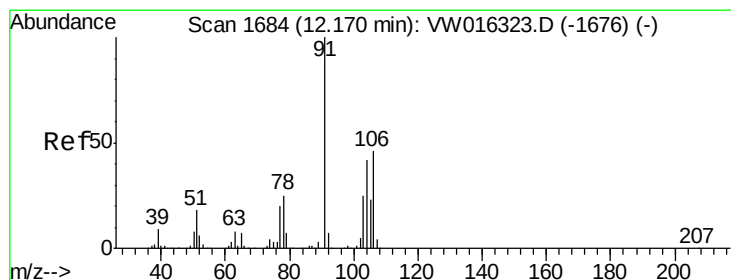
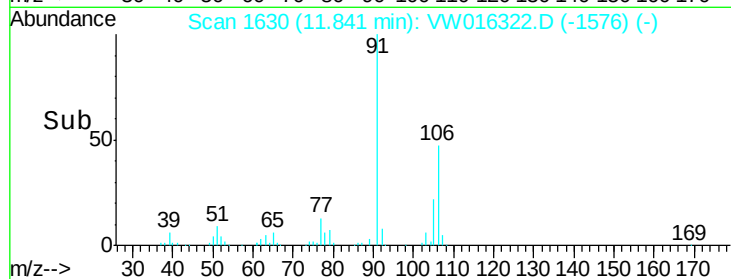
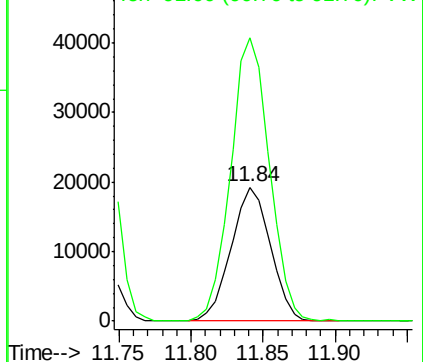
106 100

91 211.2 138.8 257.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 5.048 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW016322.D

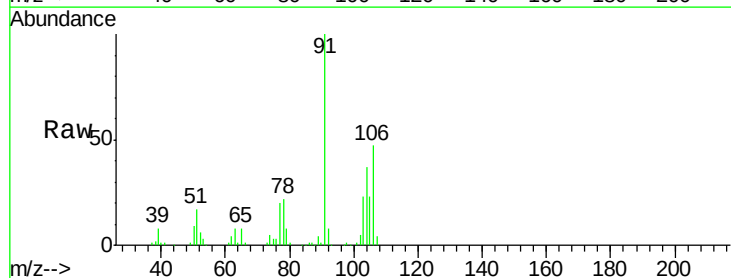
Acq: 24 Aug 2020 11:01

Tgt Ion:106 Resp: 34361

Ion Ratio Lower Upper

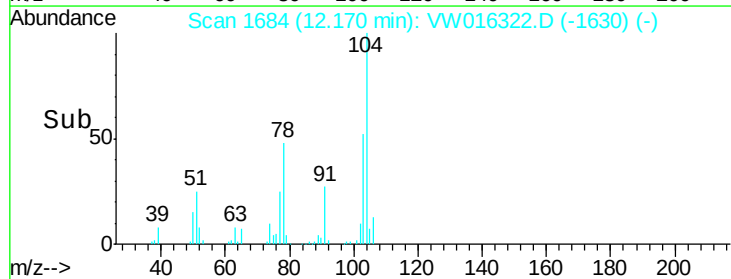
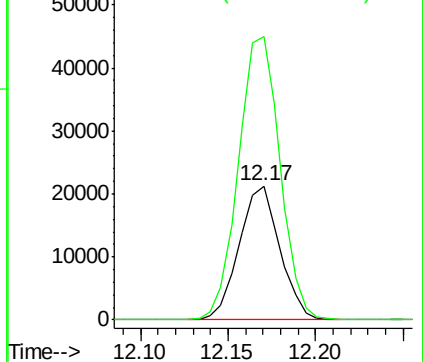
106 100

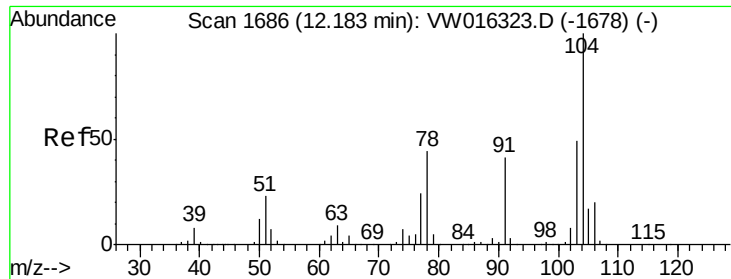
91 211.4 151.3 281.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 5.004 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

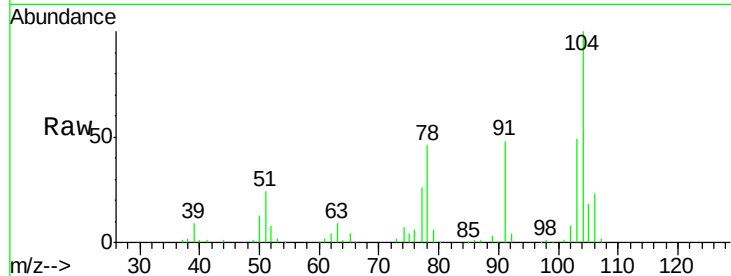
VSTD00503

Tgt Ion:104 Resp: 58839

Ion Ratio Lower Upper

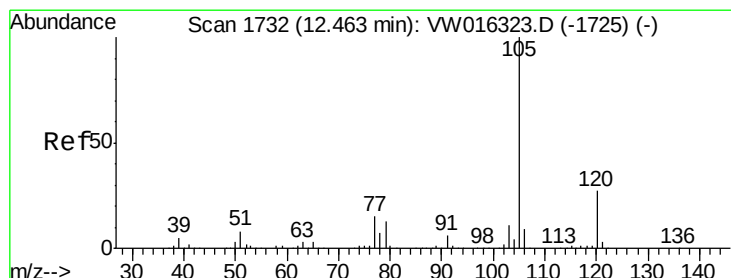
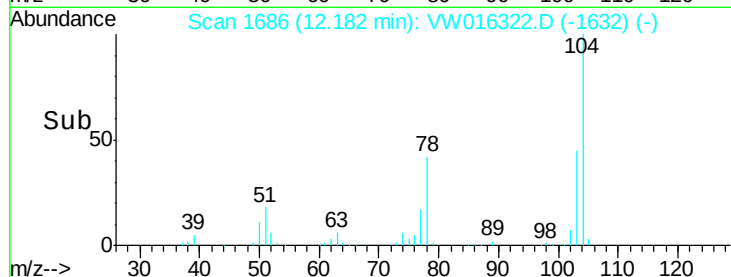
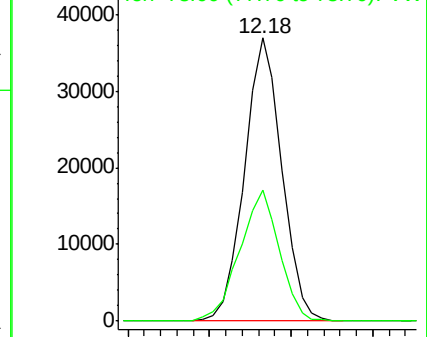
104 100

78 46.2 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV



#57

Isopropylbenzene

Concen: 5.265 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

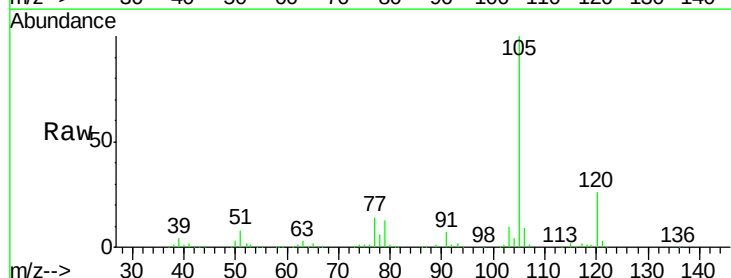
Tgt Ion:105 Resp: 97248

Ion Ratio Lower Upper

105 100

120 26.0 21.2 31.8

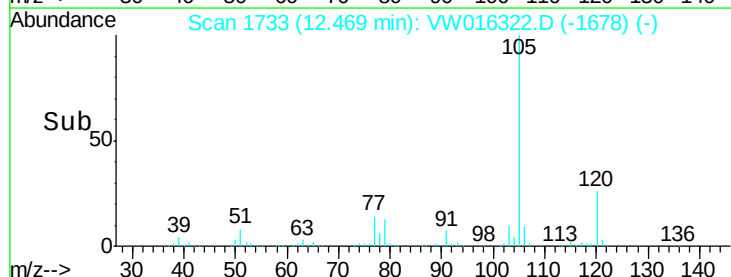
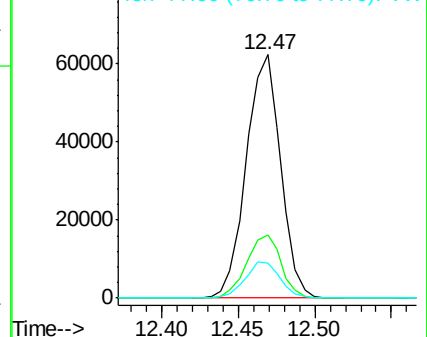
77 15.2 12.2 18.4

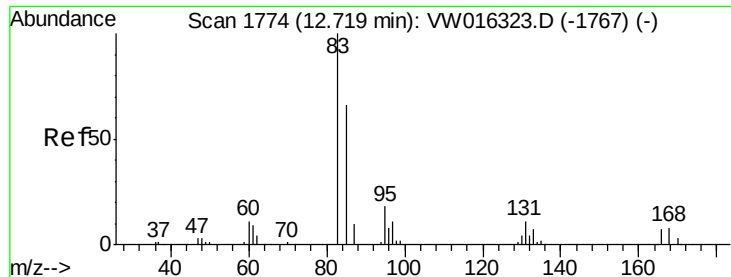


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV





#58

1,1,2,2-Tetrachloroethane

Concen: 4.932 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

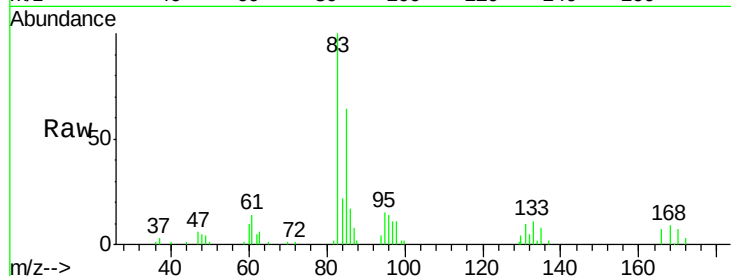
Tgt Ion: 83 Resp: 17860

Ion Ratio Lower Upper

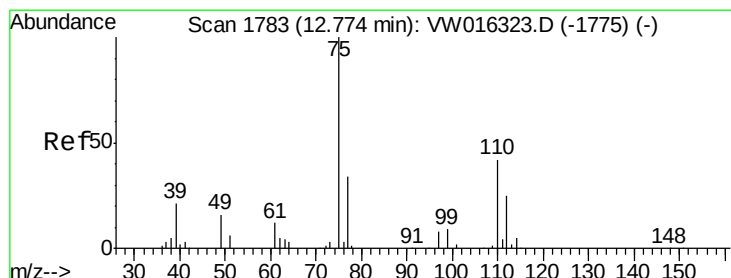
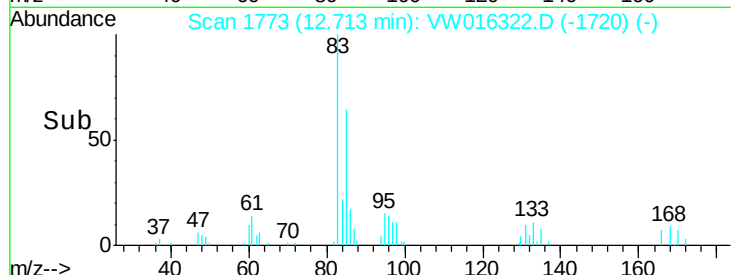
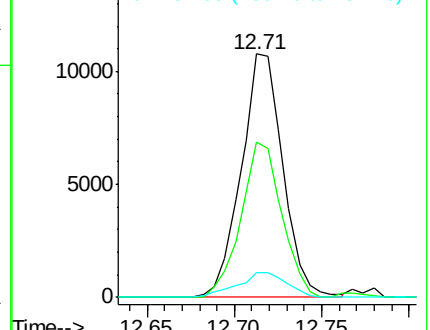
83 100

85 63.8 46.0 85.4

131 10.2 8.8 13.2



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: 4.827 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW016322.D

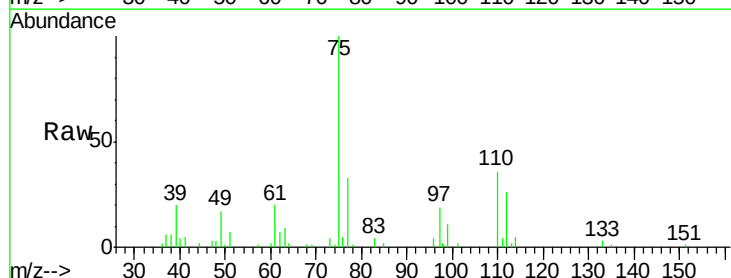
Acq: 24 Aug 2020 11:01

Tgt Ion: 75 Resp: 13184

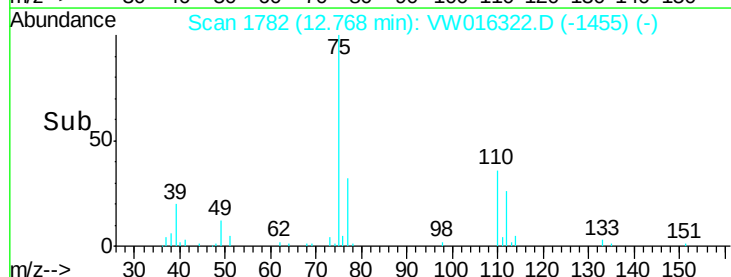
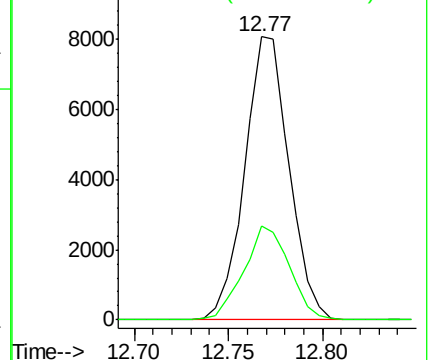
Ion Ratio Lower Upper

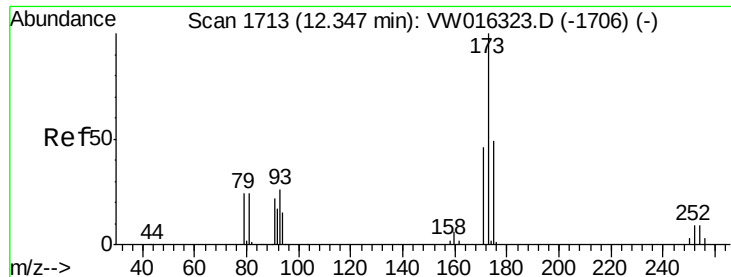
75 100

77 34.2 27.1 40.7



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 77.00 (76.70 to 77.70): VW

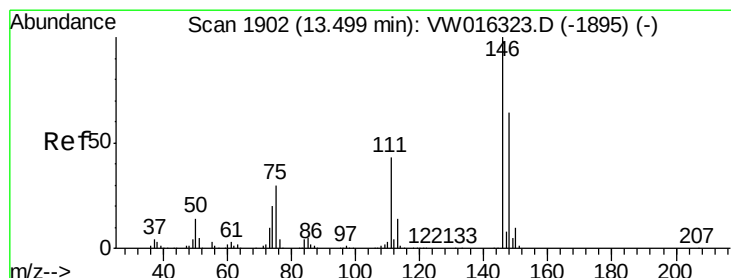
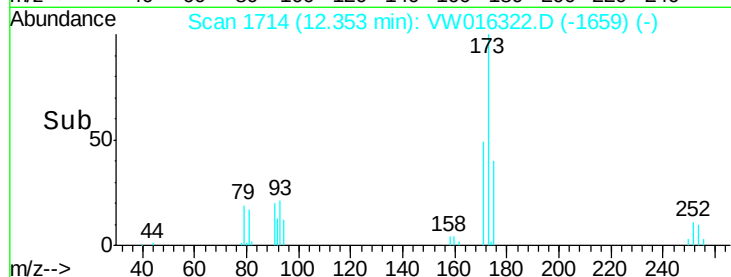
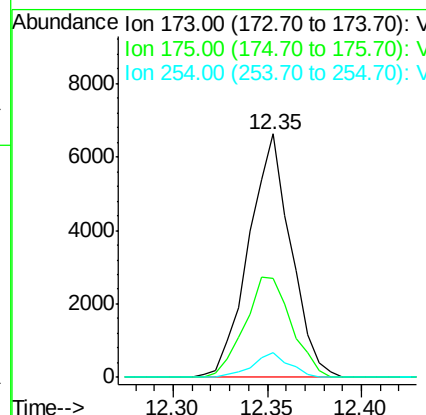
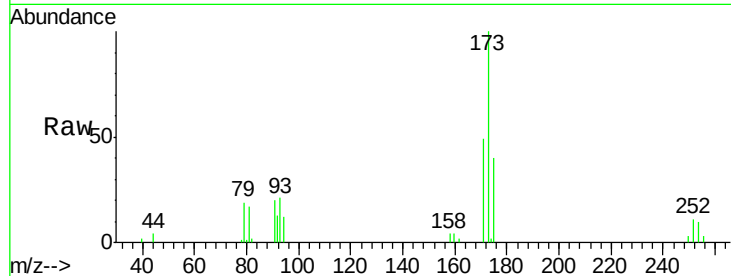




#62
Bromoform
Concen: 5.028 ug/L
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW016322.D
Acq: 24 Aug 2020 11:01

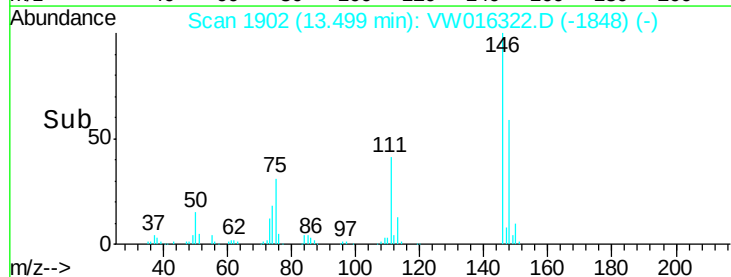
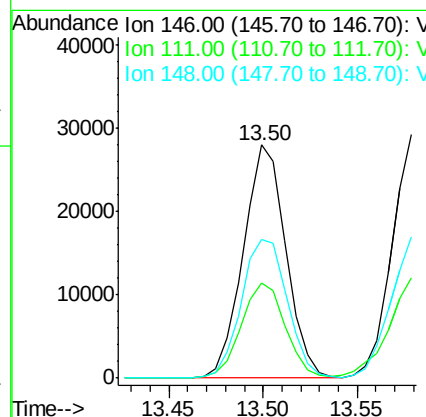
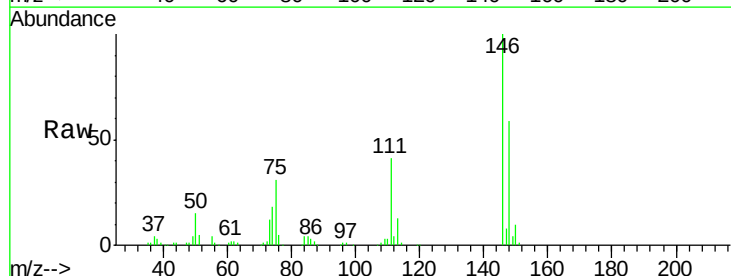
Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

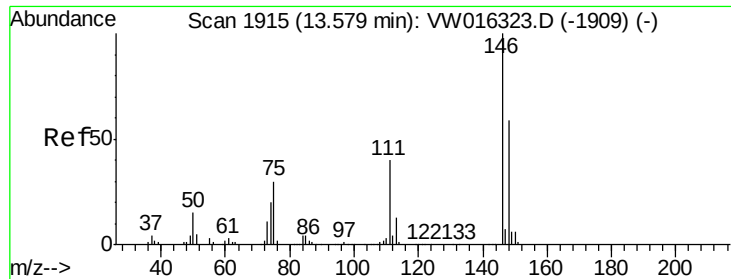
Tgt Ion:173 Resp: 10285
Ion Ratio Lower Upper
173 100
175 45.2 39.0 58.4
254 8.5 6.9 10.3



#63
1,3-Dichlorobenzene
Concen: 5.211 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW016322.D
Acq: 24 Aug 2020 11:01

Tgt Ion:146 Resp: 44053
Ion Ratio Lower Upper
146 100
111 40.8 30.2 56.2
148 59.4 45.1 83.7





#64

1,4-Dichlorobenzene

Concen: 5.286 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

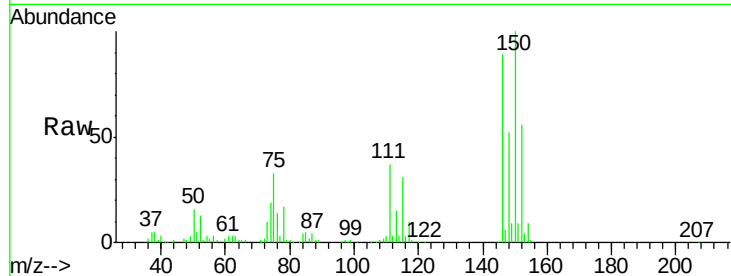
Tgt Ion:146 Resp: 45813

Ion Ratio Lower Upper

146 100

111 41.1 28.0 52.0

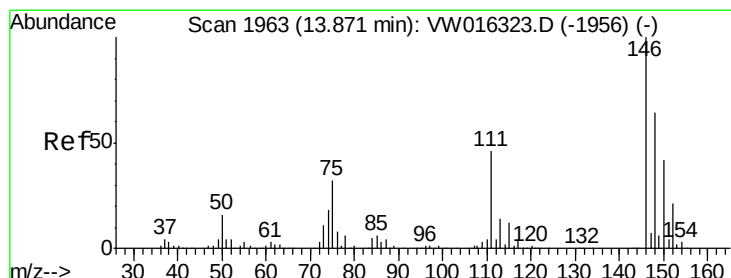
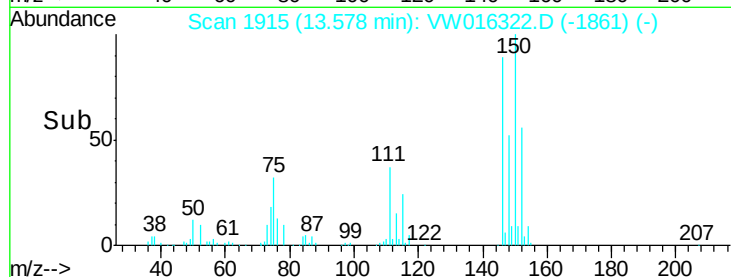
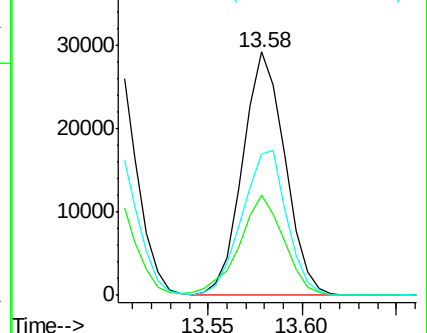
148 58.1 41.4 76.8



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



#65

1,2-Dichlorobenzene

Concen: 5.092 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

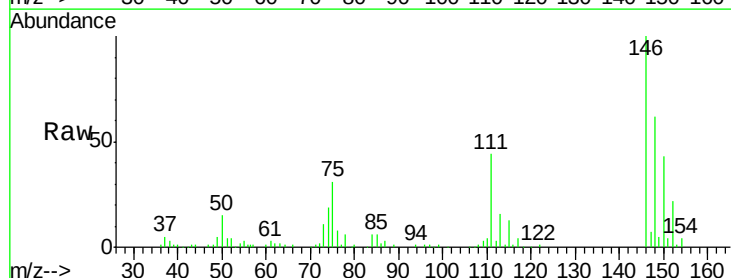
Tgt Ion:146 Resp: 39358

Ion Ratio Lower Upper

146 100

111 44.2 36.9 55.3

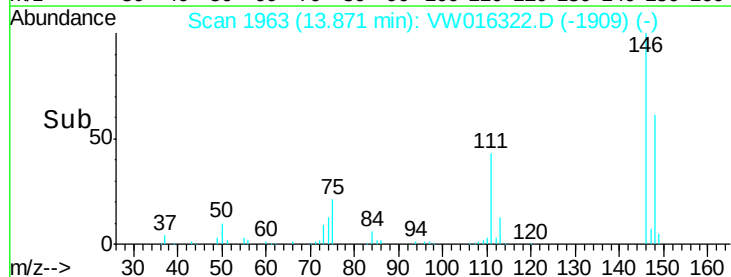
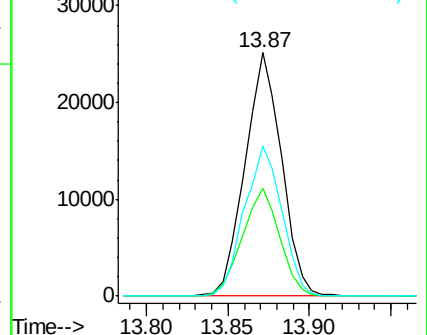
148 61.5 51.4 77.2

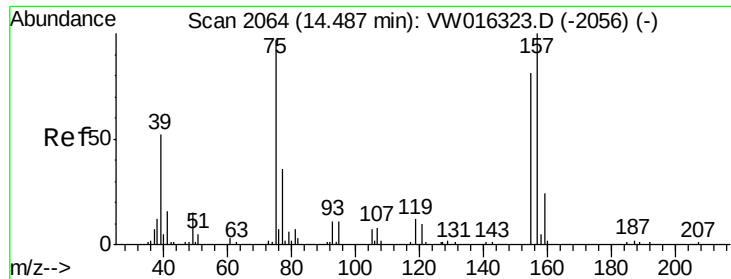


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#66

1,2-Dibromo-3-chloropropane

Concen: 4.249 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

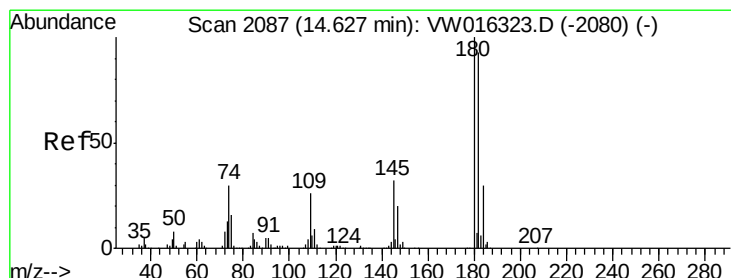
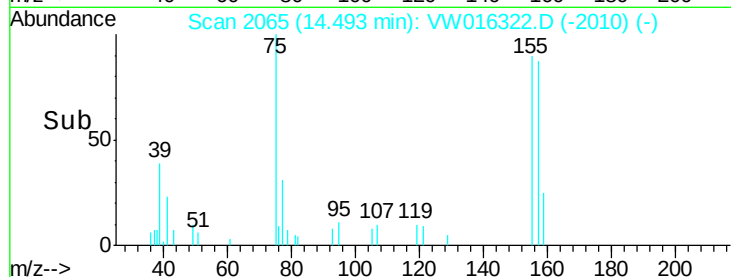
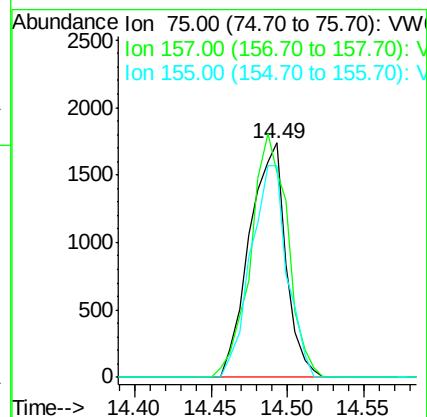
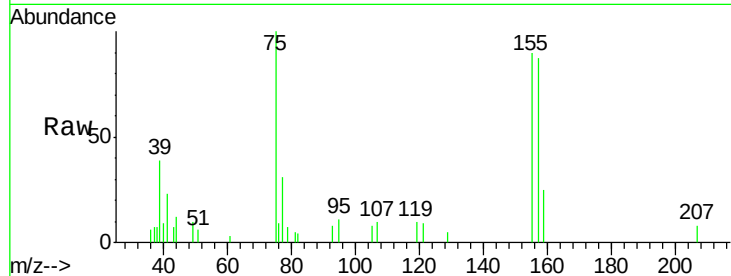
Tgt Ion: 75 Resp: 2865

Ion Ratio Lower Upper

75 100

157 87.3 82.2 123.4

155 90.1 66.8 100.2



#67

1,3,5-Trichlorobenzene

Concen: 5.543 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VW016322.D

Acq: 24 Aug 2020 11:01

Tgt Ion: 180 Resp: 30401

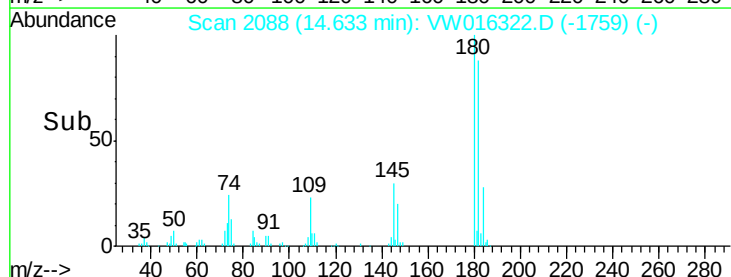
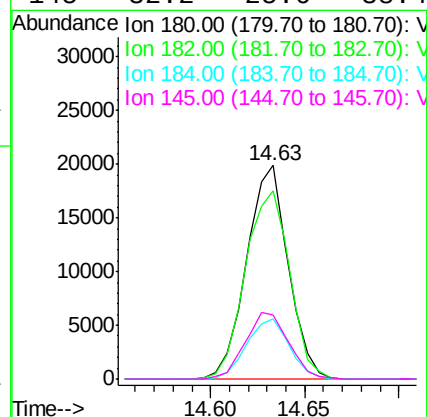
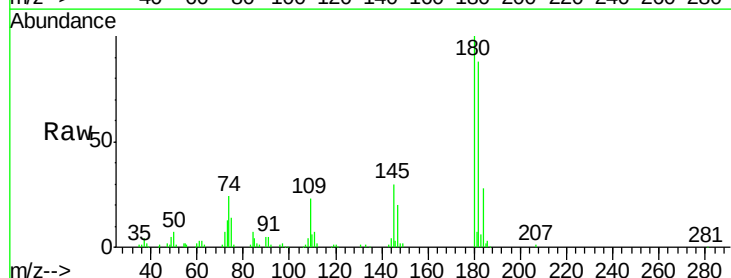
Ion Ratio Lower Upper

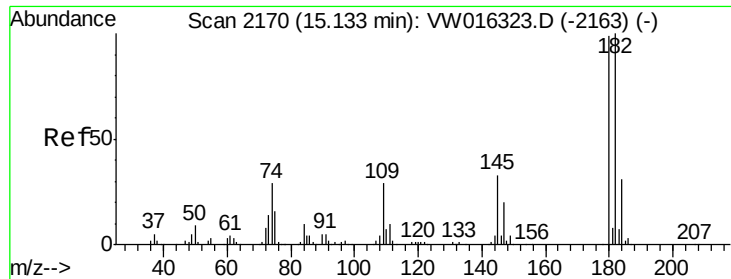
180 100

182 94.0 77.4 116.2

184 28.7 24.4 36.6

145 32.2 25.6 38.4

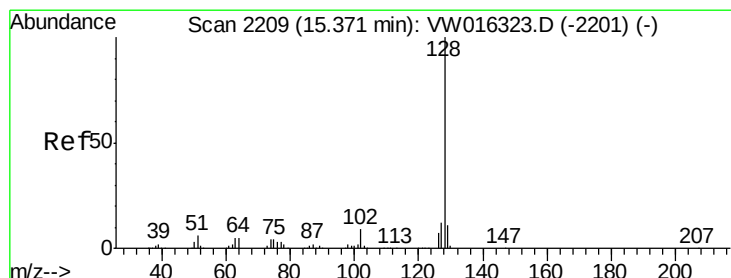
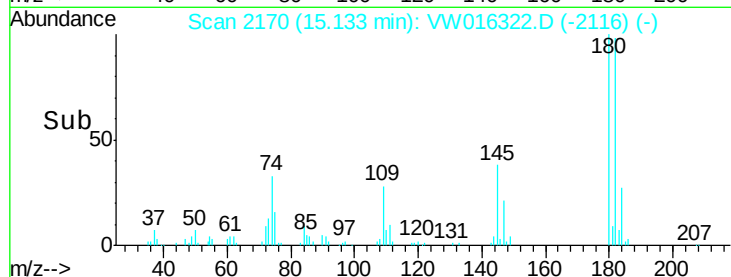
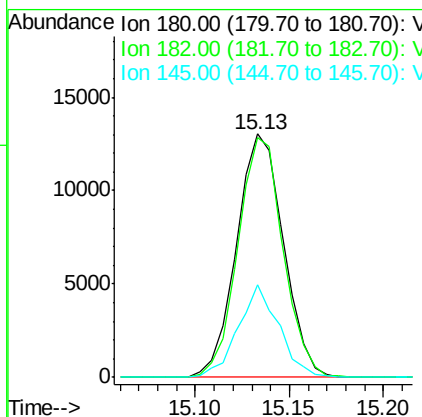
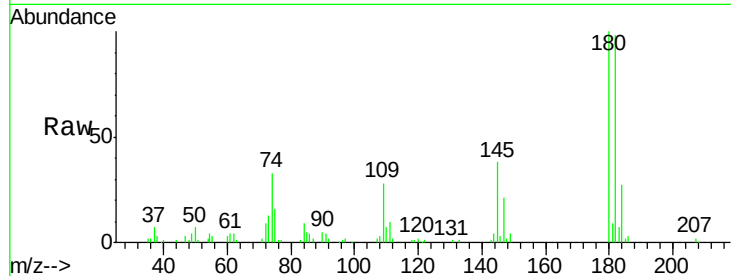




#68
 1,2,4-trichlorobenzene
 Concen: 5.023 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016322.D
 Acq: 24 Aug 2020 11:01

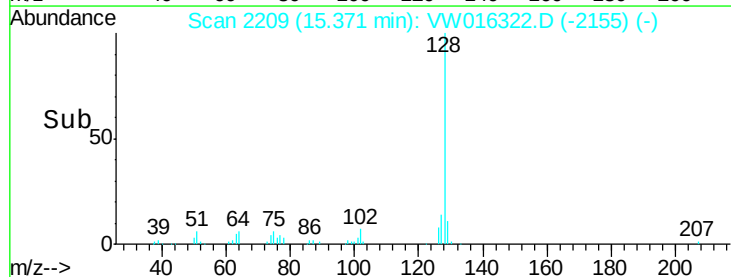
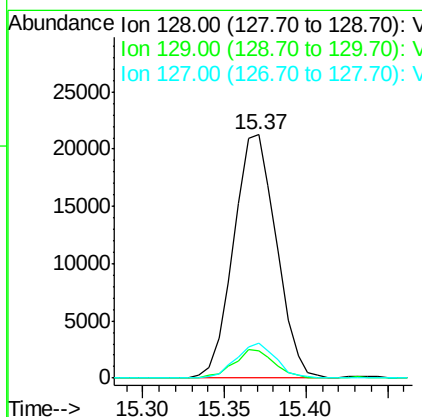
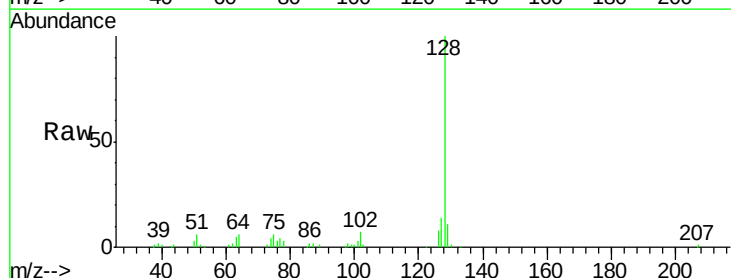
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

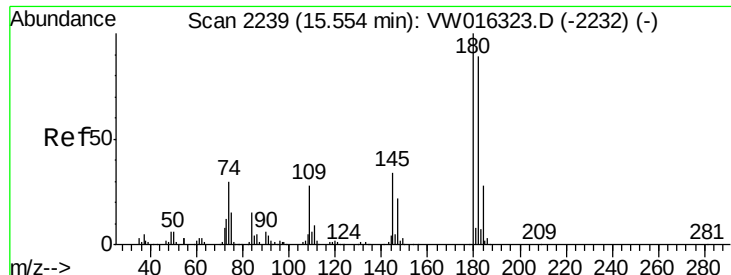
Tgt Ion:180 Resp: 22432
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.5 114.7
 145 33.2 26.0 39.0



#69
 Naphthalene
 Concen: 4.177 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: VW016322.D
 Acq: 24 Aug 2020 11:01

Tgt Ion:128 Resp: 38907
 Ion Ratio Lower Upper
 128 100
 129 10.9 8.6 13.0
 127 13.5 10.3 15.5





#70
 1,2,3-Trichlorobenzene
 Concen: 5.089 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.01 min
 Lab File: VW016322.D
 Acq: 24 Aug 2020 11:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

Tgt Ion:180 Resp: 20371
 Ion Ratio Lower Upper
 180 100
 182 88.5 77.0 115.4
 145 35.7 28.6 42.8

