

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082420\
 Data File : VW016323.D
 Acq On : 24 Aug 2020 11:24
 Operator : SY/VA
 Sample : VSTD02504
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

Quant Time: Aug 24 12:39:00 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	296719	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	273340	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	133205	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	74133	20.61	ug/L	0.00
7) Chloroethane-d5	2.89	69	58070	21.27	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	181511	23.32	ug/L	0.00
20) 2-Butanone-d5	7.08	46	46564	48.48	ug/L	0.00
24) Chloroform-d	7.65	84	193814	24.33	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	103168	24.39	ug/L	0.00
29) Benzene-d6	8.27	84	383673	25.46	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	107872	24.61	ug/L	0.00
37) Toluene-d8	10.33	98	367481	26.51	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	54070	26.84	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	35083	47.26	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	94566	26.16	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	133506	27.32	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	75346	25.262 ug/L	100
3) Chloromethane	2.21	50	55092	19.176 ug/L	100
5) Vinyl chloride	2.37	62	80387	21.076 ug/L	100
6) Bromomethane	2.78	94	53454	22.133 ug/L	100
8) Chloroethane	2.93	64	46268	21.477 ug/L	100
9) Trichlorofluoromethane	3.26	101	88913	29.779 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	98357	24.489 ug/L	100
12) 1,1-Dichloroethene	4.04	96	92655	24.312 ug/L	100
13) Acetone	4.12	43	36145	48.825 ug/L	100
14) Carbon disulfide	4.39	76	271186	23.108 ug/L	100
15) Methyl Acetate	4.67	43	38625	22.779 ug/L	100
16) Methylene chloride	4.92	84	104285	22.252 ug/L	100
17) Methyl tert-butyl Ether	5.43	73	142889	26.180 ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	97053	24.336 ug/L	100
19) 1,1-Dichloroethane	6.22	63	162373	23.213 ug/L	100
21) 2-Butanone	7.17	43	52157	45.252 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	104276	24.652 ug/L	100
23) Bromochloromethane	7.51	128	48213	24.746 ug/L	100
25) Chloroform	7.68	83	177459	23.731 ug/L	100
27) 1,2-Dichloroethane	8.40	62	112041	22.754 ug/L	100
30) Cyclohexane	7.96	56	142815	24.296 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	157539	24.989 ug/L	100
32) Carbon tetrachloride	8.07	117	148342	24.887 ug/L	100
34) Benzene	8.33	78	379109	24.222 ug/L	100
35) Trichloroethene	9.09	95	105474	24.807 ug/L	100
36) Methylcyclohexane	9.34	83	175877	25.226 ug/L	100
40) 1,2-Dichloropropane	9.37	63	89057	23.414 ug/L	100
41) Bromodichloromethane	9.65	83	129164	24.375 ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	150672	25.535 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	109075	47.503 ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082420\
 Data File : VW016323.D
 Acq On : 24 Aug 2020 11:24
 Operator : SY/VA
 Sample : VSTD02504
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

Quant Time: Aug 24 12:39:00 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

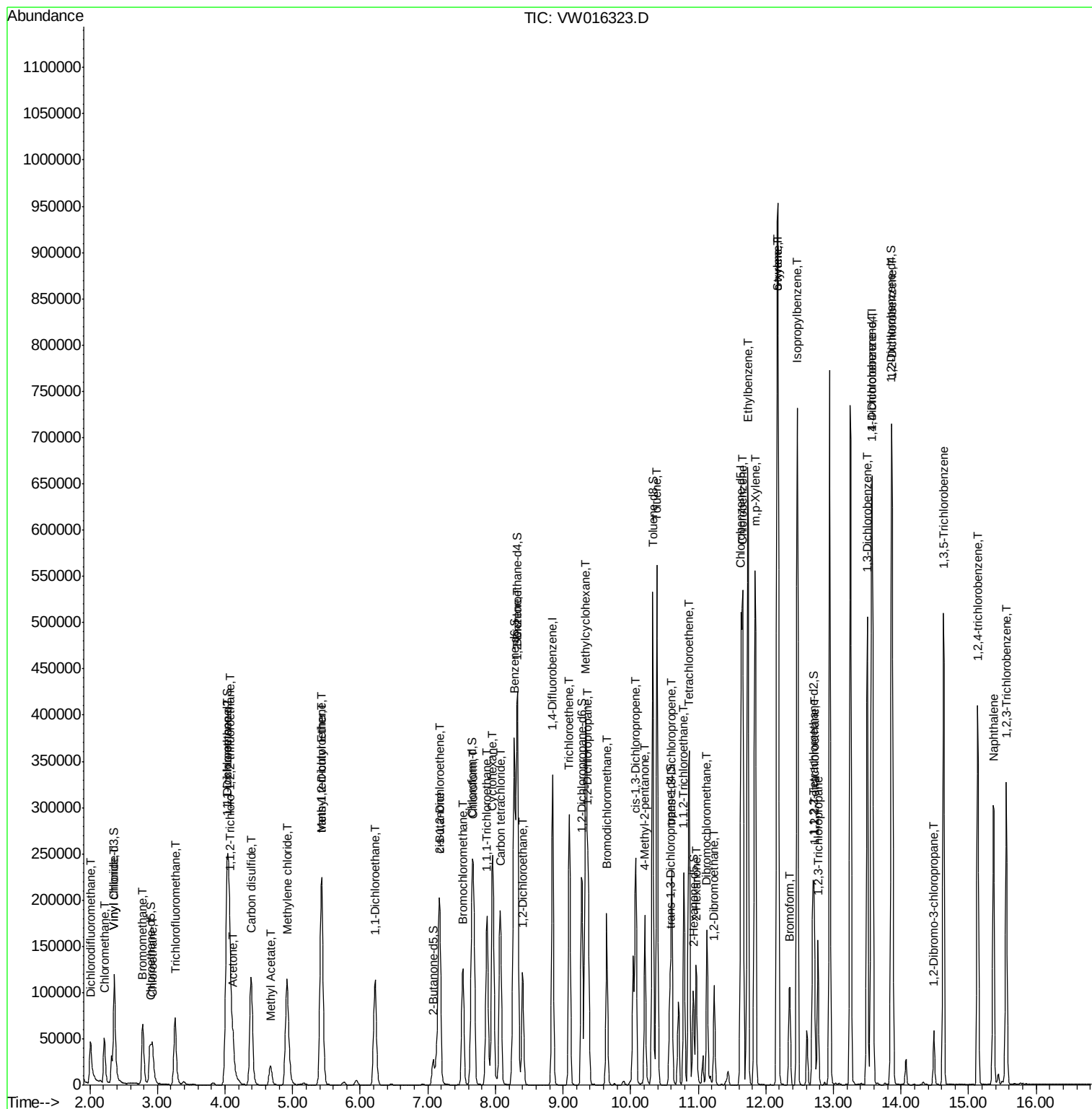
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	418490	25.220	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	135766	25.604	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	74973	24.582	ug/L	100
47) Tetrachloroethene	10.87	164	83926	26.027	ug/L	100
49) 2-Hexanone	10.97	43	72800	47.380	ug/L	100
50) Dibromochloromethane	11.13	129	94111	25.847	ug/L	100
51) 1,2-Dibromoethane	11.24	107	73583	25.328	ug/L	100
52) Chlorobenzene	11.66	112	274968	24.876	ug/L	100
53) Ethylbenzene	11.73	91	482277	25.560	ug/L	100
54) m,p-Xylene	11.84	106	186020	26.060	ug/L	100
55) o-xylene	12.17	106	175001	26.134	ug/L	100
56) Styrene	12.18	104	302580	26.161	ug/L	100
57) Isopropylbenzene	12.46	105	486249	26.763	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	88862	24.948	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	65927	24.536	ug/L	100
62) Bromoform	12.35	173	52537	25.665	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	214669	25.373	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	216617	24.976	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	193839	25.056	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	15708	23.280	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	152990	27.873	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	128826	28.825	ug/L	100
69) Naphthalene	15.37	128	266360	28.574	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	112355	28.048	ug/L	100

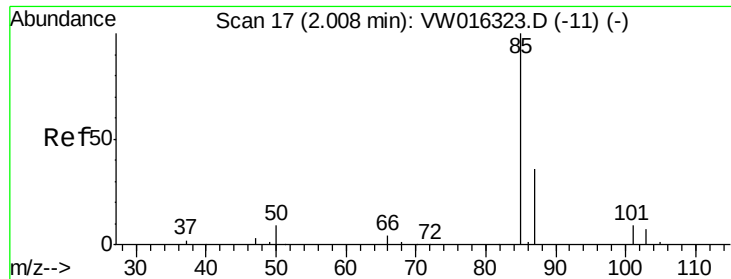
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082420\
Data File : VW016323.D
Acq On : 24 Aug 2020 11:24
Operator : SY/VA
Sample : VSTD02504
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02504

Quant Time: Aug 24 12:39:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 24 12:35:47 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 25.262 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

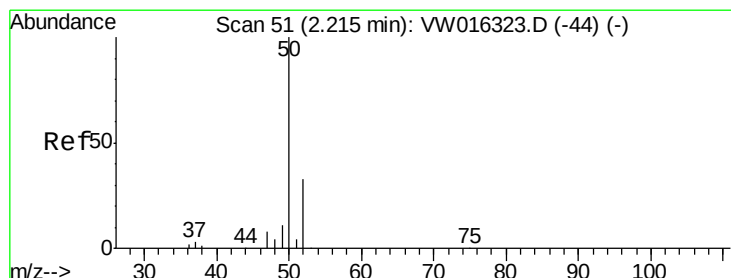
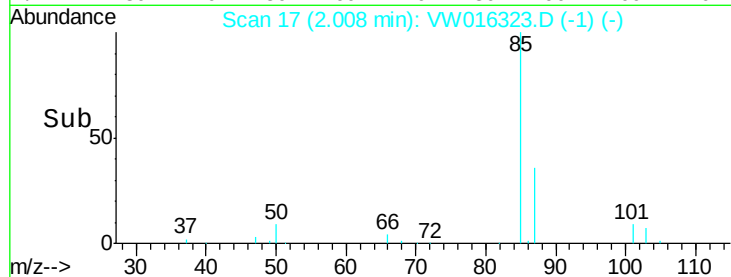
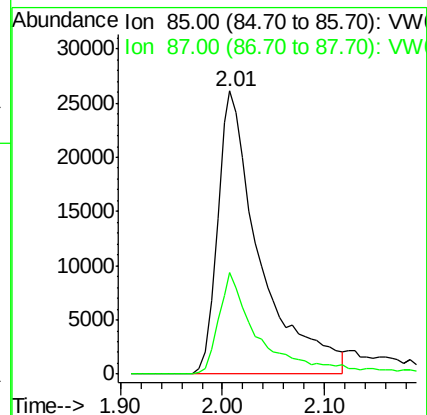
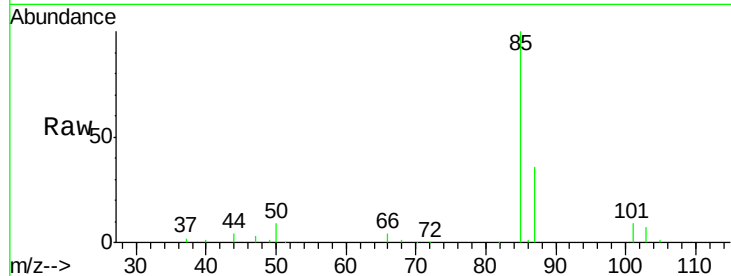
VSTD02504

Tgt Ion: 85 Resp: 75346

Ion Ratio Lower Upper

85 100

87 30.8 21.6 40.0



#3

Chloromethane

Concen: 19.176 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016323.D

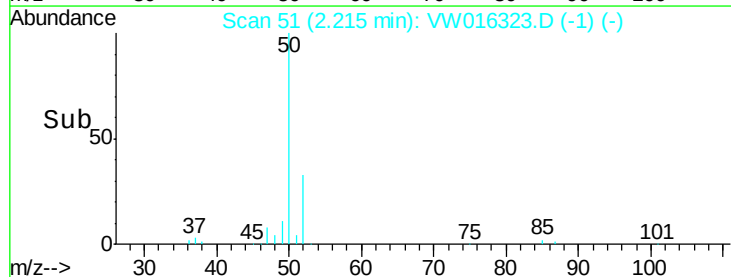
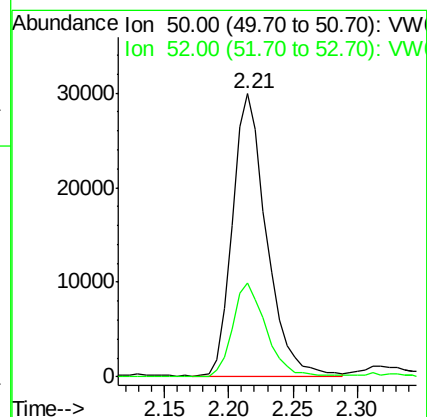
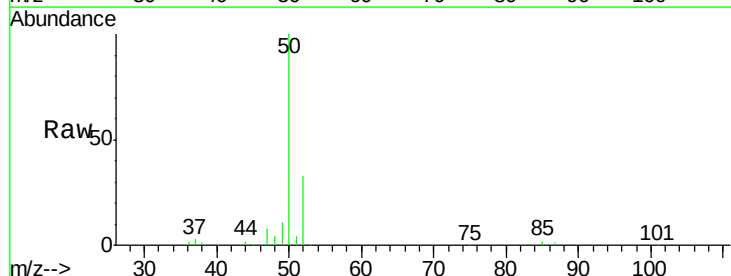
Acq: 24 Aug 2020 11:24

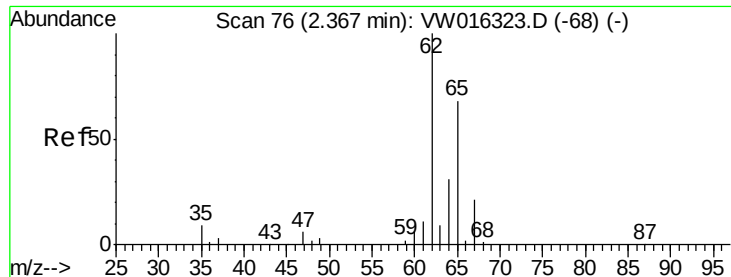
Tgt Ion: 50 Resp: 55092

Ion Ratio Lower Upper

50 100

52 33.3 23.3 43.3





#5

Vinyl chloride

Concen: 21.076 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

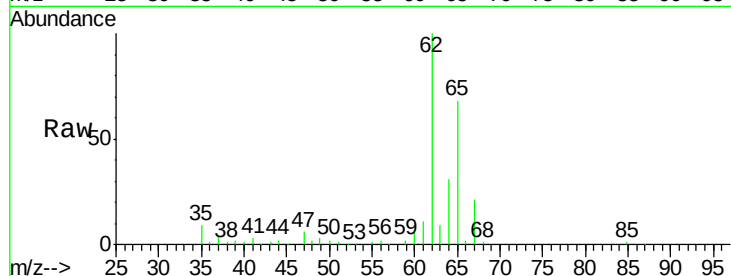
VSTD02504

Tgt Ion: 62 Resp: 80387

Ion Ratio Lower Upper

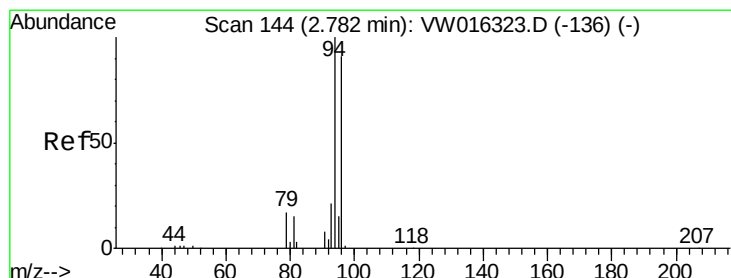
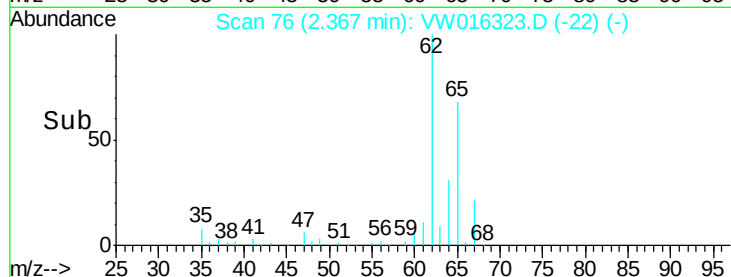
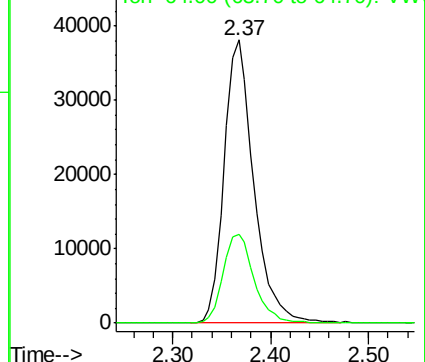
62 100

64 31.5 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: 22.133 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW016323.D

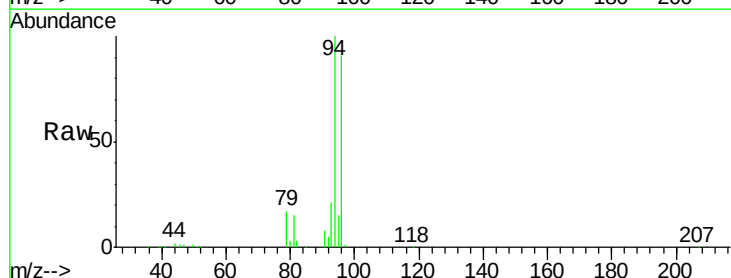
Acq: 24 Aug 2020 11:24

Tgt Ion: 94 Resp: 53454

Ion Ratio Lower Upper

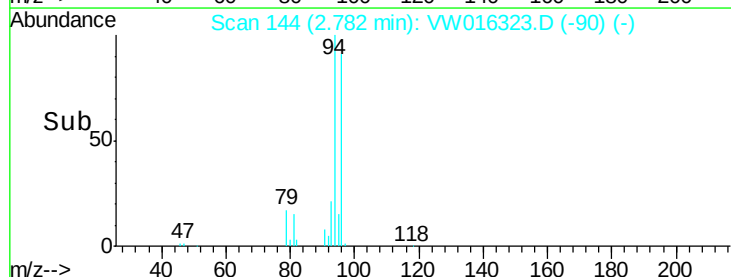
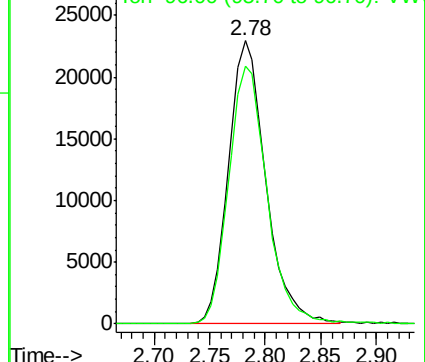
94 100

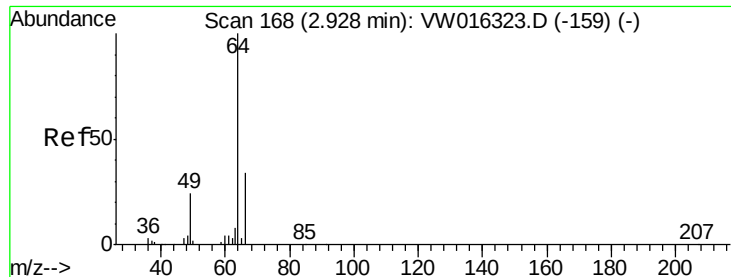
96 93.0 9.3 176.7



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 21.477 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

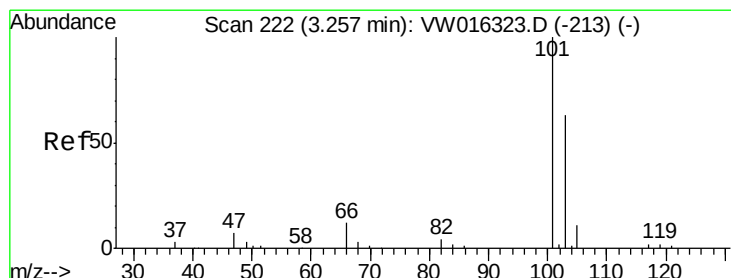
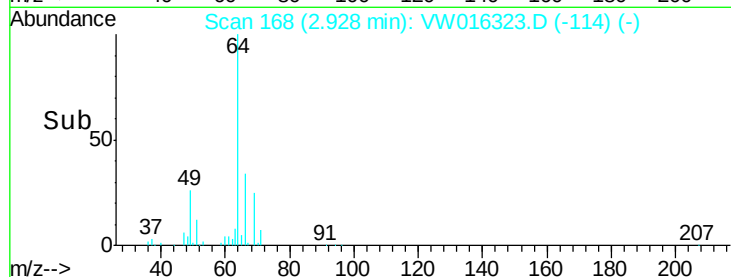
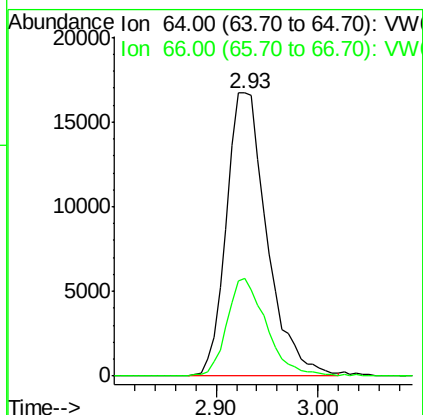
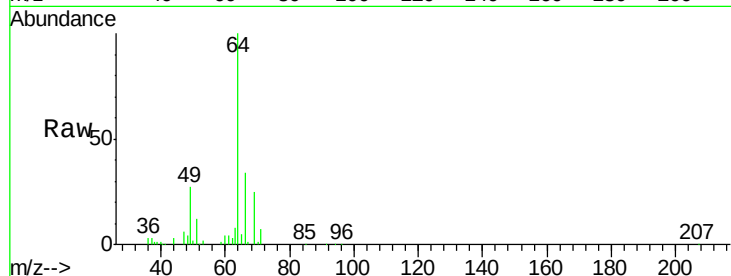
VSTD02504

Tgt Ion: 64 Resp: 46268

Ion Ratio Lower Upper

64 100

66 34.5 24.1 44.8



#9

Trichlorofluoromethane

Concen: 29.779 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW016323.D

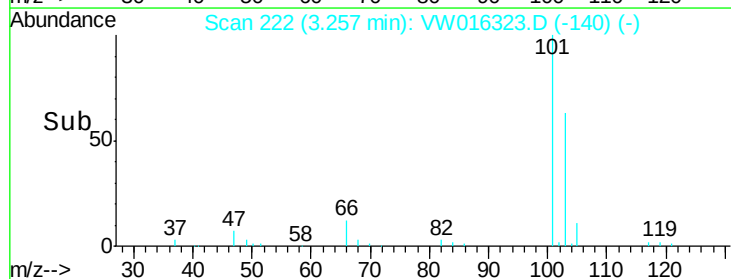
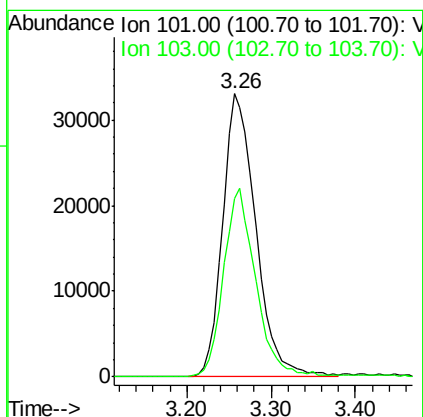
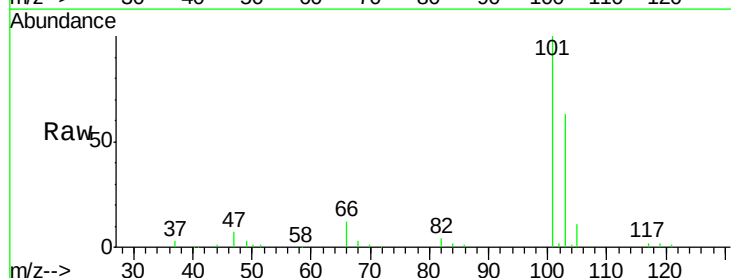
Acq: 24 Aug 2020 11:24

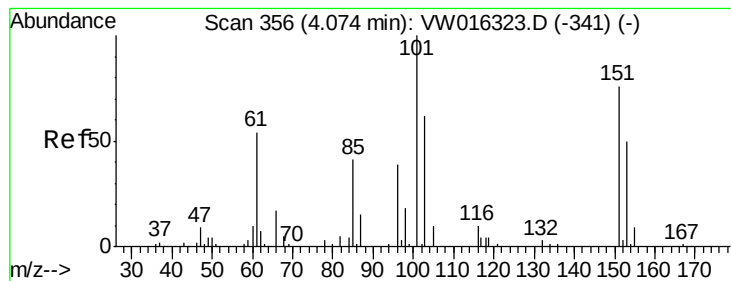
Tgt Ion: 101 Resp: 88913

Ion Ratio Lower Upper

101 100

103 64.0 44.8 83.2





#11

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

Concen: 24.489 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

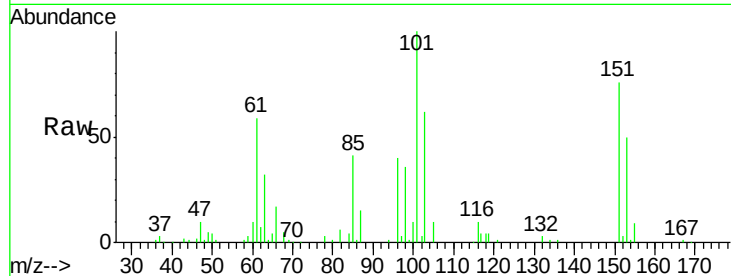
Tgt Ion: 101 Resp: 98357

Ion Ratio Lower Upper

101 100

85 39.7 31.8 47.6

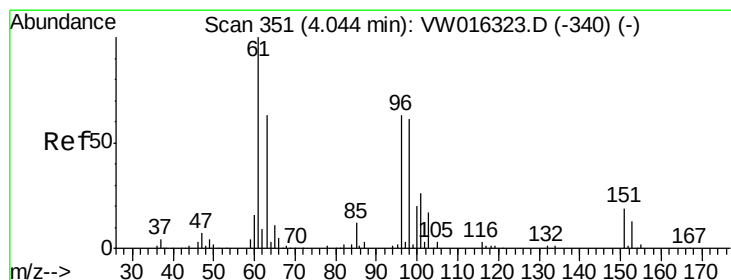
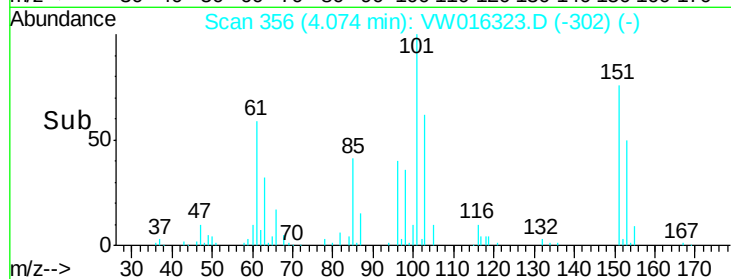
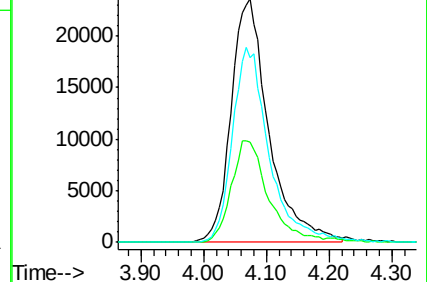
151 76.1 60.9 91.3



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: 24.312 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

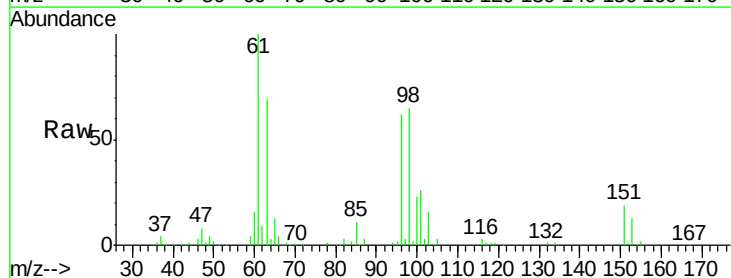
Tgt Ion: 96 Resp: 92655

Ion Ratio Lower Upper

96 100

61 160.4 112.3 208.5

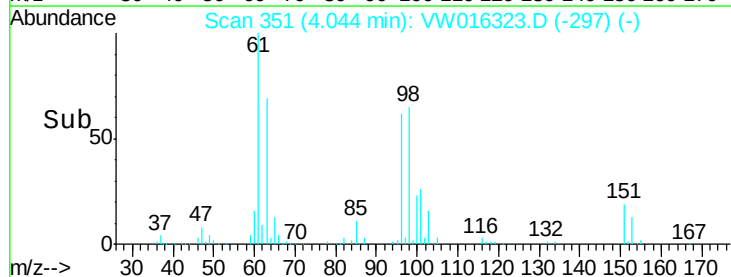
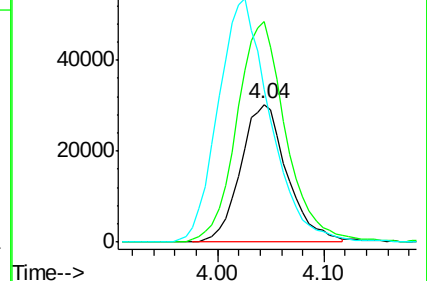
63 110.5 77.3 143.7

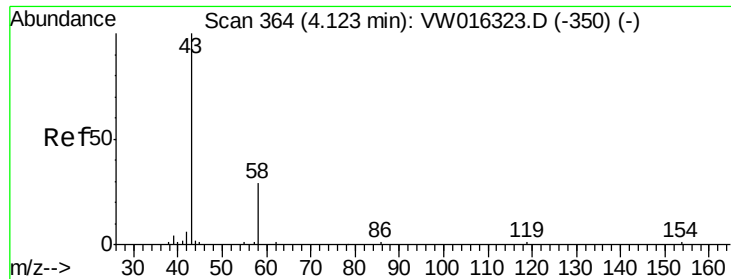


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.825 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

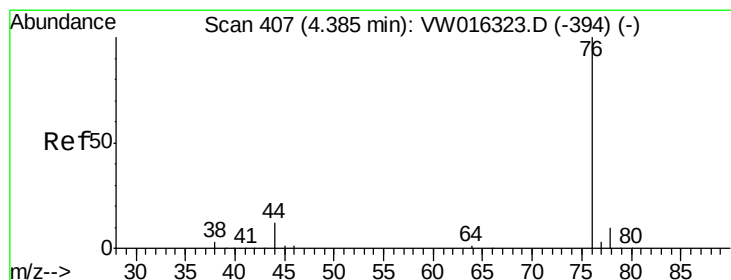
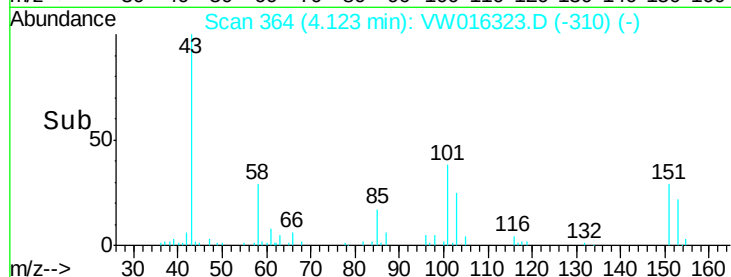
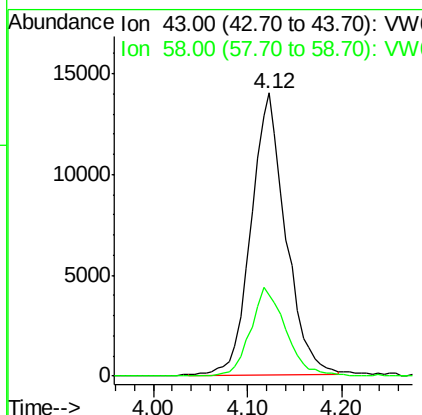
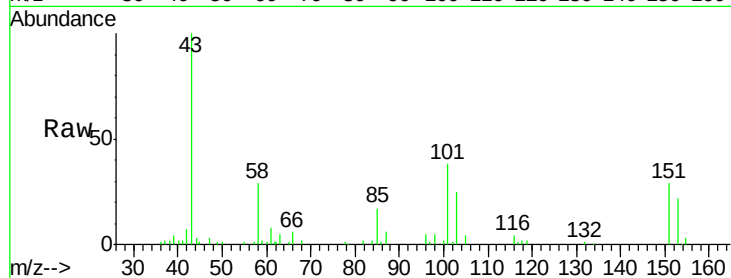
VSTD02504

Tgt Ion: 43 Resp: 36145

Ion Ratio Lower Upper

43 100

58 31.9 0.0 63.8



#14

Carbon disulfide

Concen: 23.108 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW016323.D

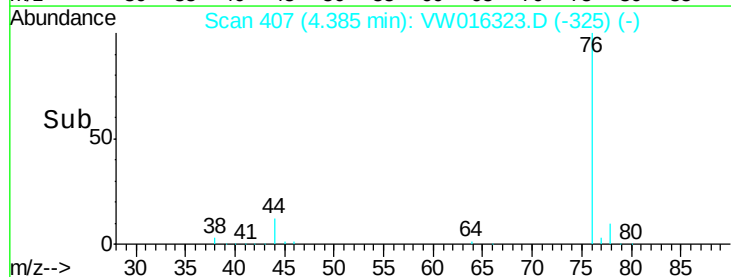
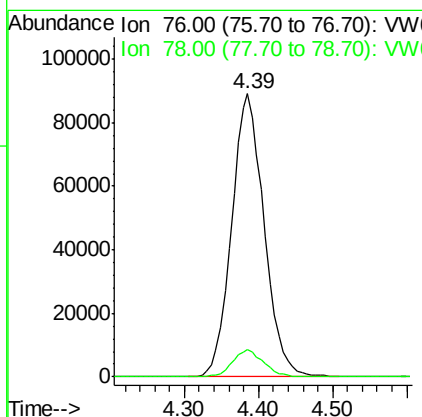
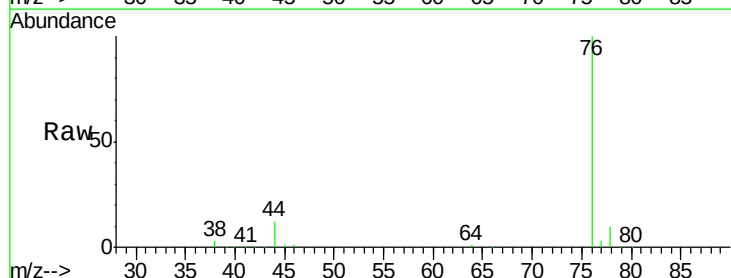
Acq: 24 Aug 2020 11:24

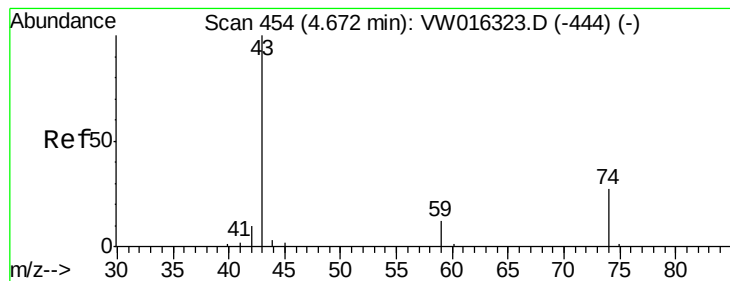
Tgt Ion: 76 Resp: 271186

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5





#15

Methyl Acetate

Concen: 22.779 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

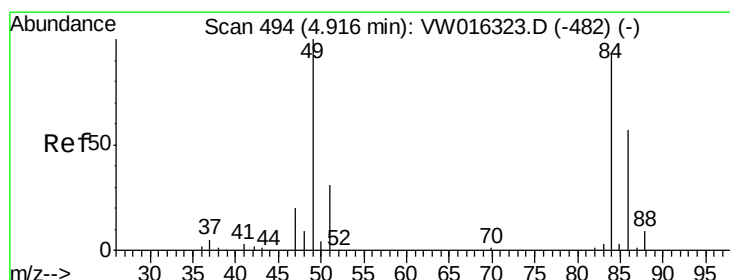
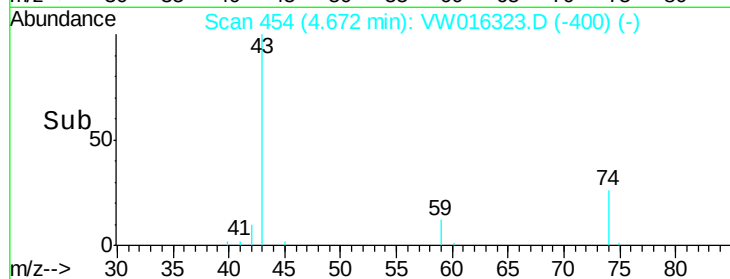
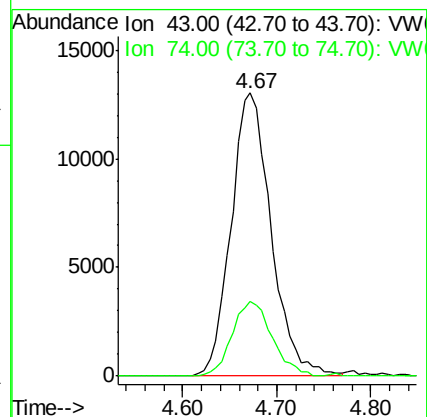
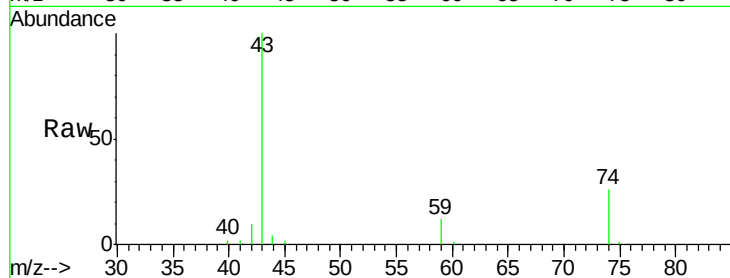
VSTD02504

Tgt Ion: 43 Resp: 38625

Ion Ratio Lower Upper

43 100

74 26.3 21.0 31.6



#16

Methylene chloride

Concen: 22.252 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

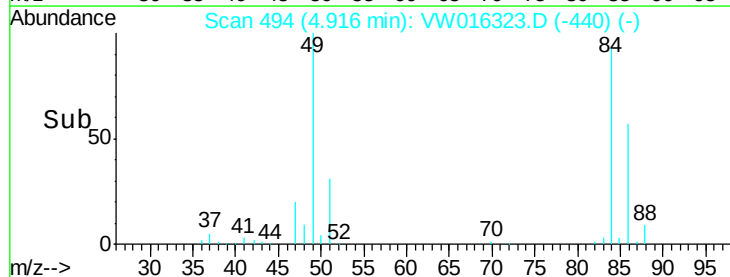
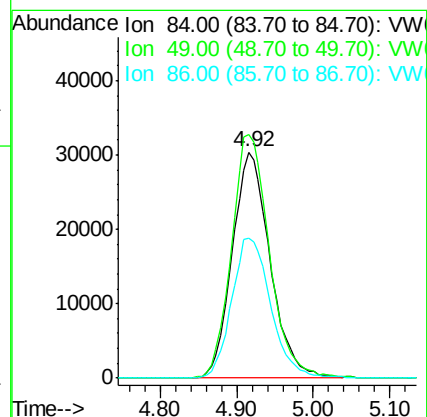
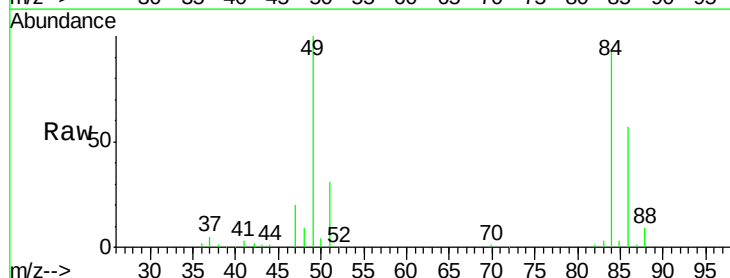
Tgt Ion: 84 Resp: 104285

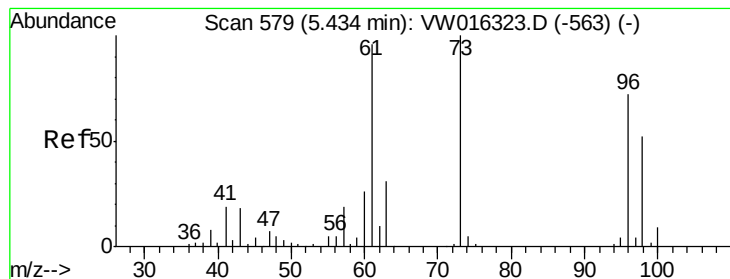
Ion Ratio Lower Upper

84 100

49 107.6 75.3 139.9

86 61.8 43.3 80.3





#17

Methyl tert-butyl Ether

Concen: 26.180 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampled :

VSTD02504

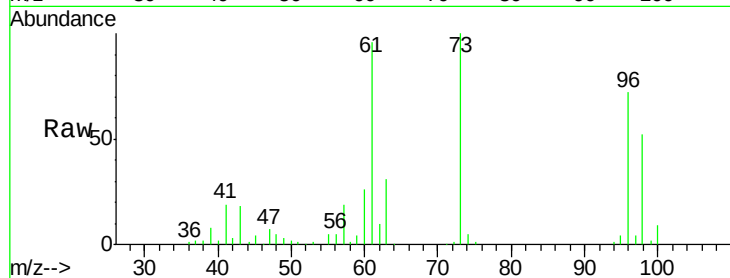
Tgt Ion: 73 Resp: 142889

Ion Ratio Lower Upper

73 100

43 19.1 15.3 22.9

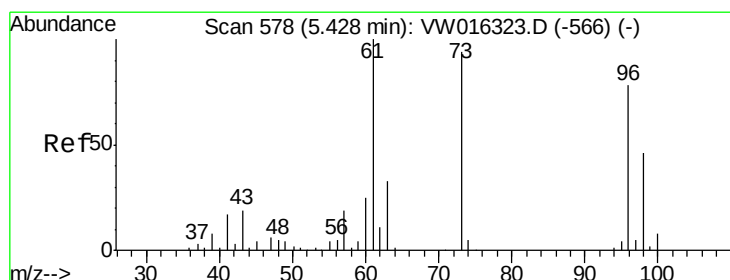
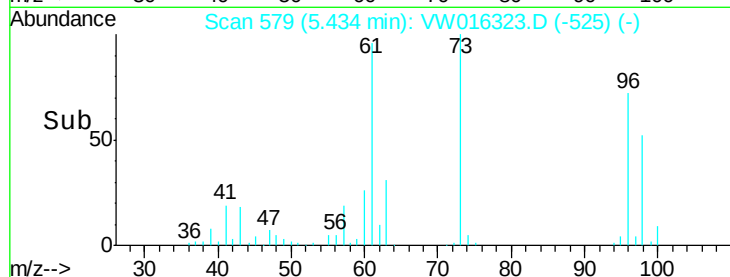
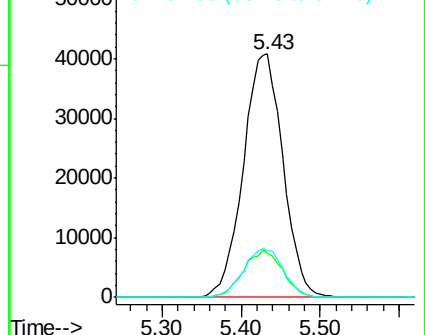
57 20.1 16.1 24.1



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: 24.336 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

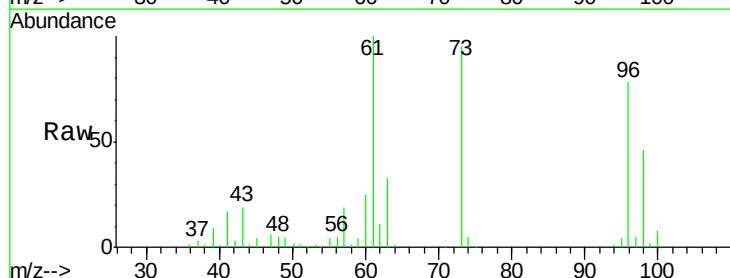
Tgt Ion: 96 Resp: 97053

Ion Ratio Lower Upper

96 100

61 128.5 89.9 167.0

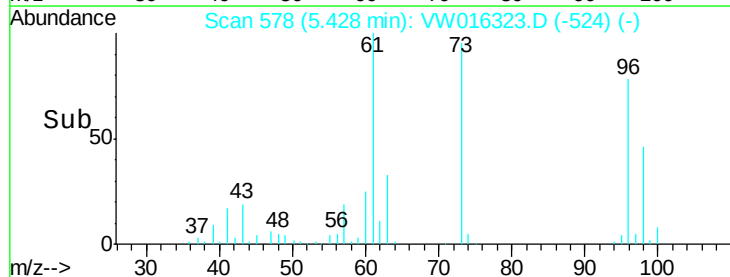
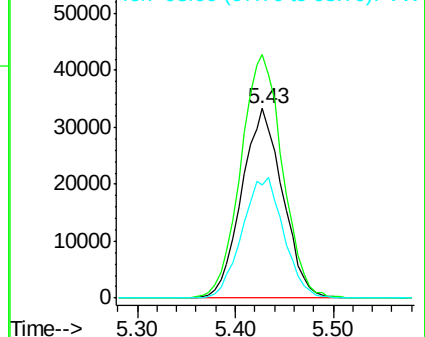
98 59.4 41.6 77.2

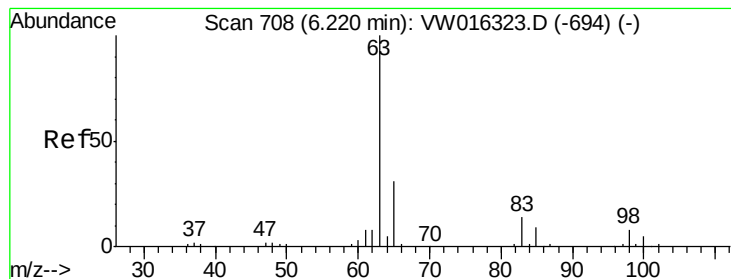


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 23.213 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

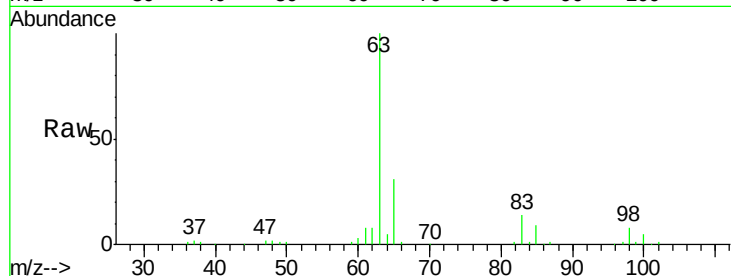
Tgt Ion: 63 Resp: 162373

Ion Ratio Lower Upper

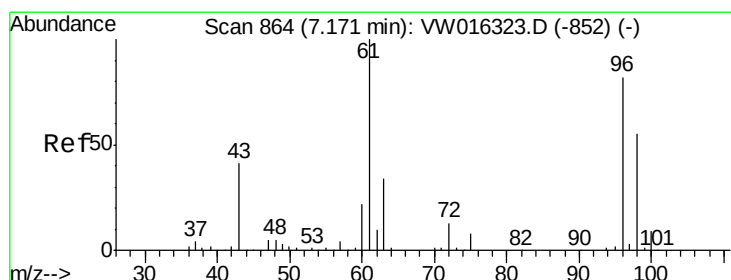
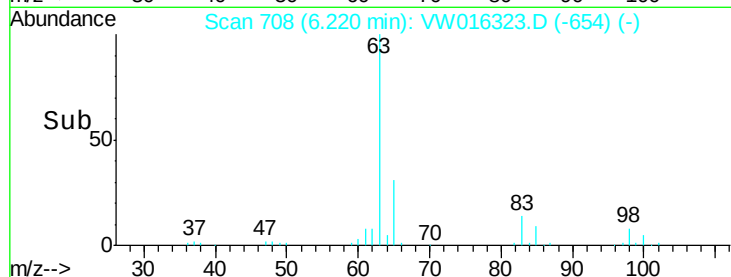
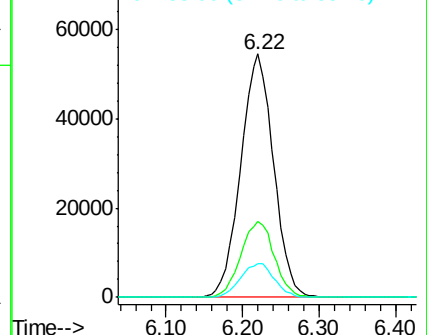
63 100

65 31.2 21.8 40.6

83 13.7 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: 45.252 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016323.D

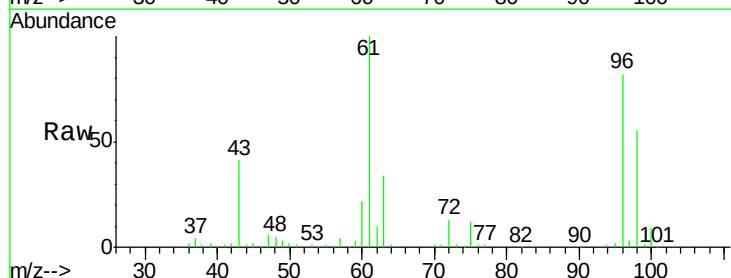
Acq: 24 Aug 2020 11:24

Tgt Ion: 43 Resp: 52157

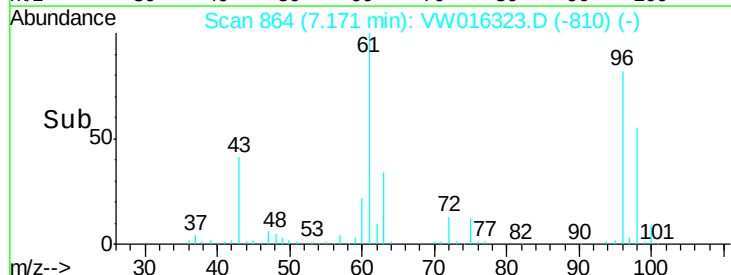
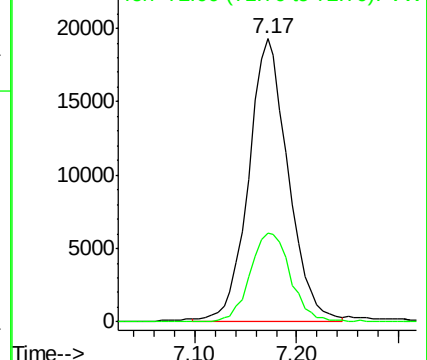
Ion Ratio Lower Upper

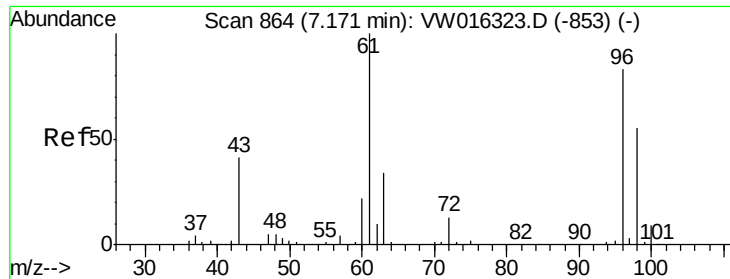
43 100

72 32.0 16.0 48.0



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

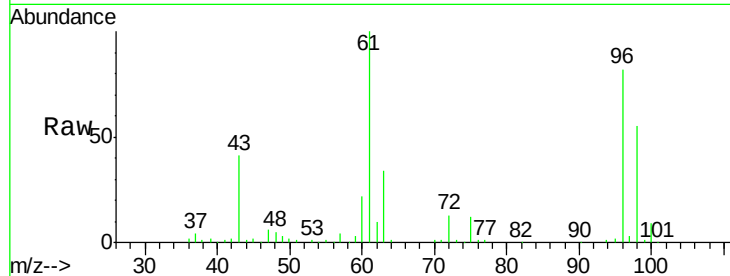




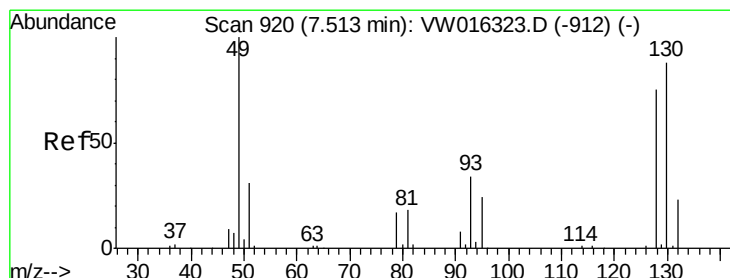
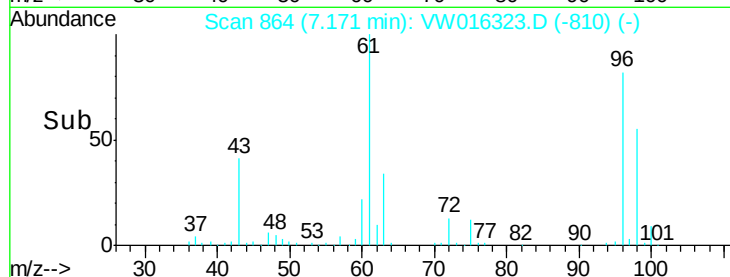
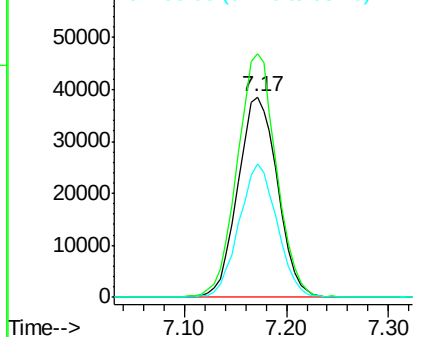
#22
 cis-1,2-Dichloroethene
 Concen: 24.652 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016323.D
 Acq: 24 Aug 2020 11:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

Tgt Ion: 96 Resp: 104276
 Ion Ratio Lower Upper
 96 100
 61 121.3 84.9 157.7
 98 66.8 46.8 86.8

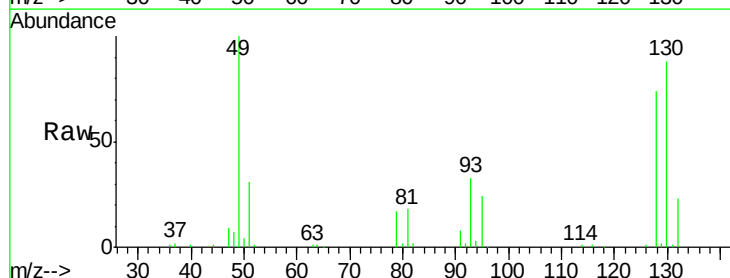


Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW

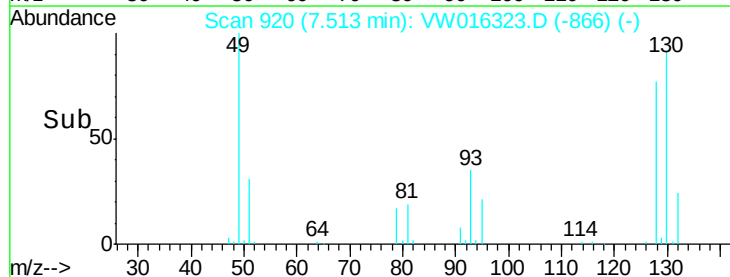
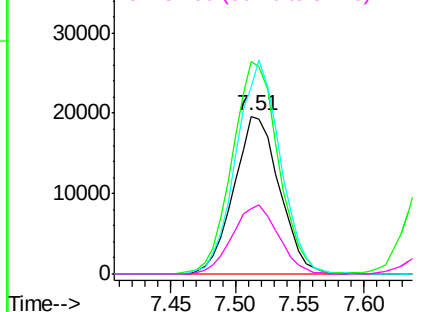


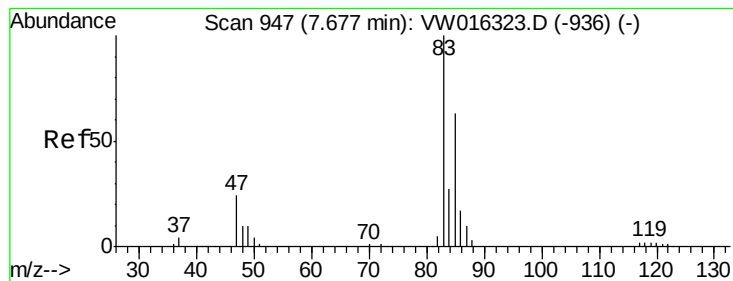
#23
 Bromochloromethane
 Concen: 24.746 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW016323.D
 Acq: 24 Aug 2020 11:24

Tgt Ion: 128 Resp: 48213
 Ion Ratio Lower Upper
 128 100
 49 135.0 94.5 175.5
 130 118.5 83.0 154.1
 51 41.7 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: 23.731 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

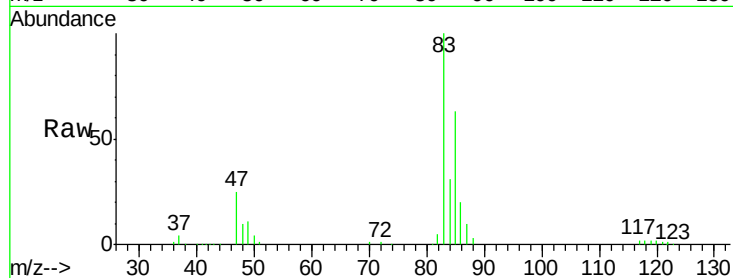
VSTD02504

Tgt Ion: 83 Resp: 177459

Ion Ratio Lower Upper

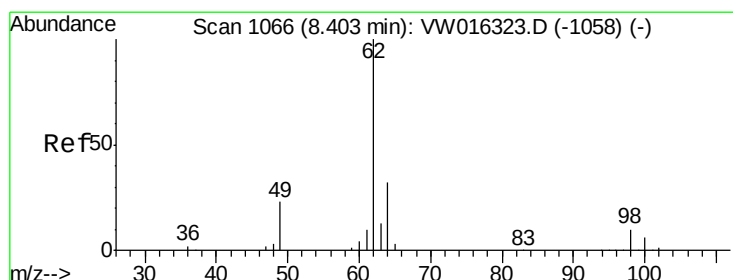
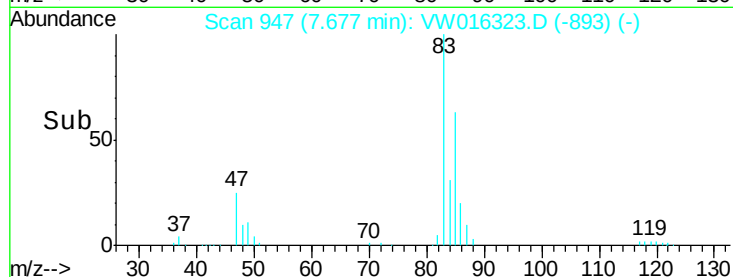
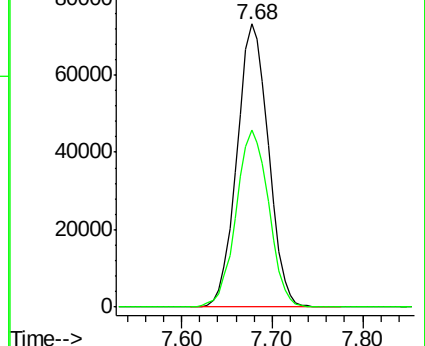
83 100

85 64.7 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: 22.754 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016323.D

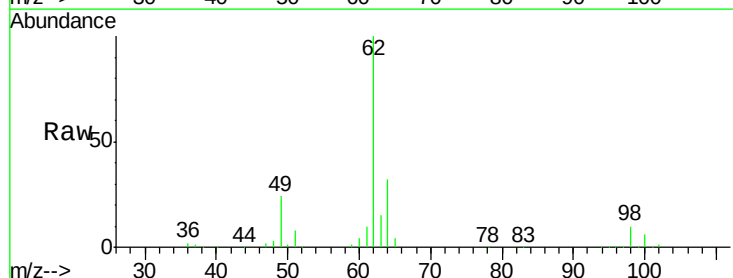
Acq: 24 Aug 2020 11:24

Tgt Ion: 62 Resp: 112041

Ion Ratio Lower Upper

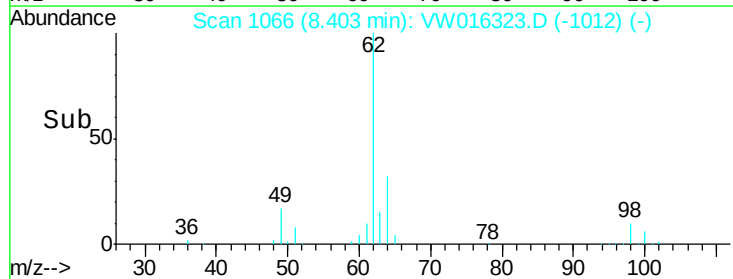
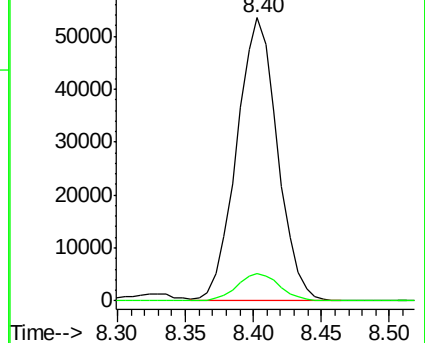
62 100

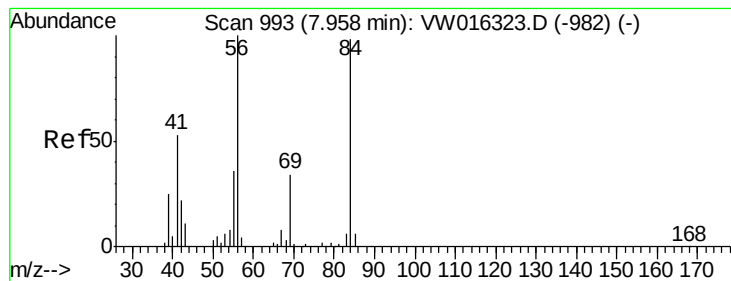
98 9.8 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 24.296 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

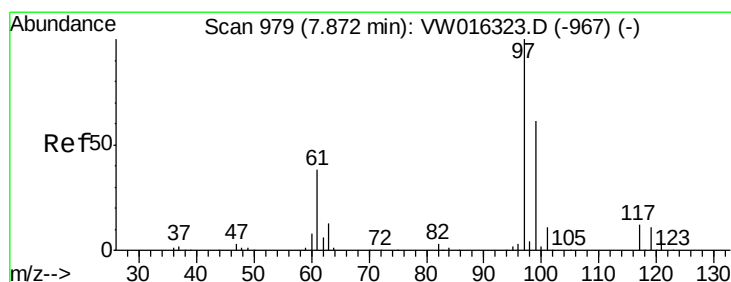
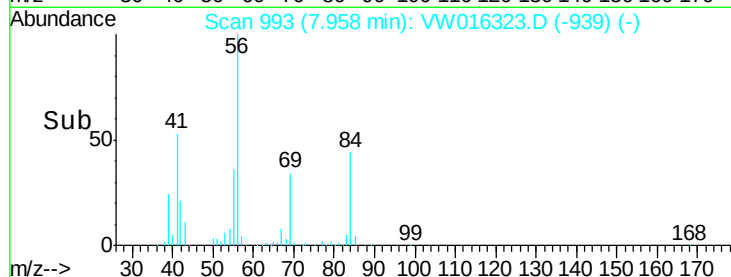
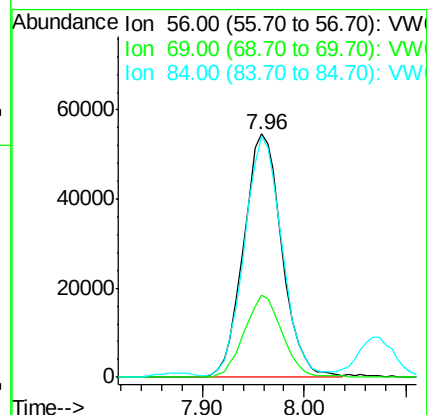
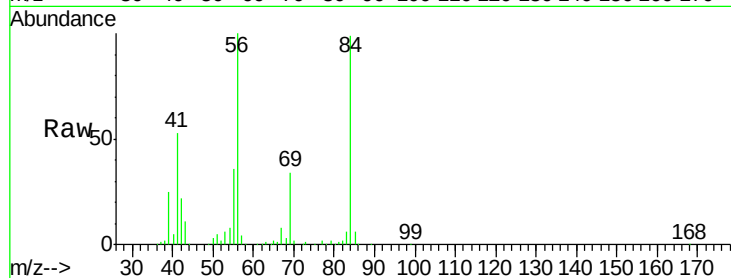
Tgt Ion: 56 Resp: 142815

Ion Ratio Lower Upper

56 100

69 33.3 26.6 40.0

84 98.0 78.4 117.6



#31

1,1,1-Trichloroethane

Concen: 24.989 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

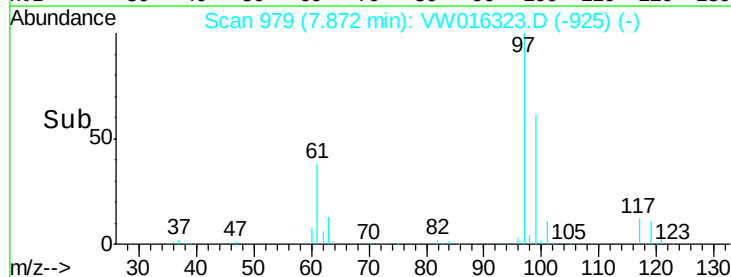
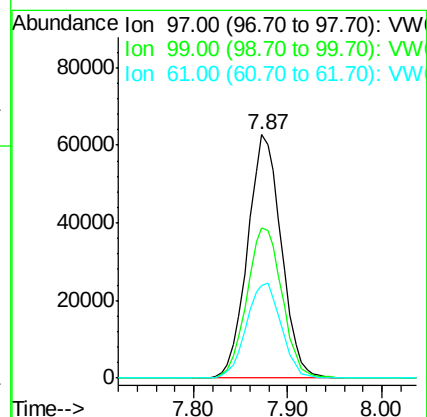
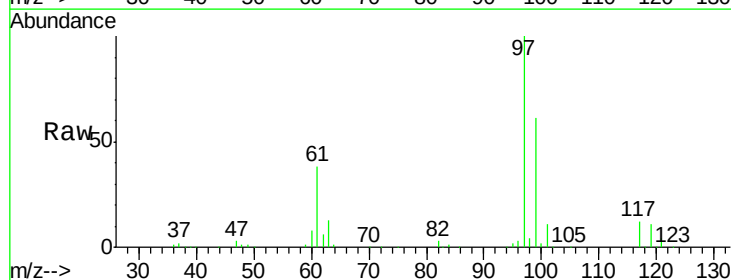
Tgt Ion: 97 Resp: 157539

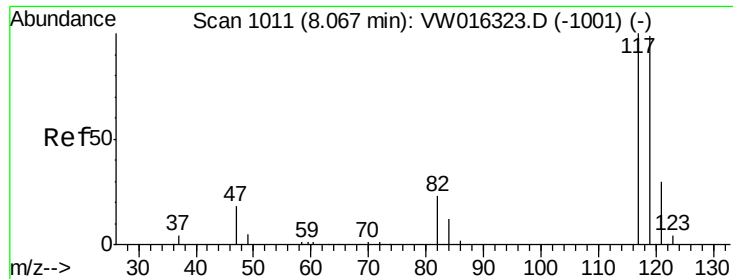
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 40.0 32.0 48.0





#32

Carbon tetrachloride

Concen: 24.887 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

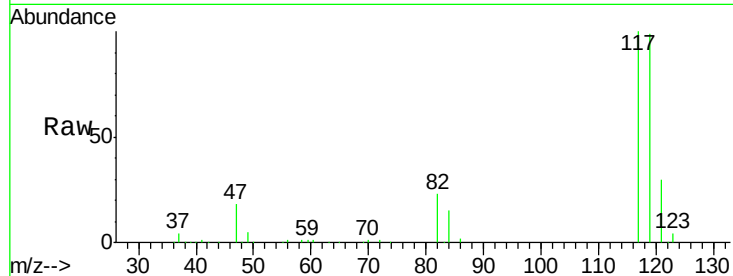
VSTD02504

Tgt Ion:117 Resp: 148342

Ion Ratio Lower Upper

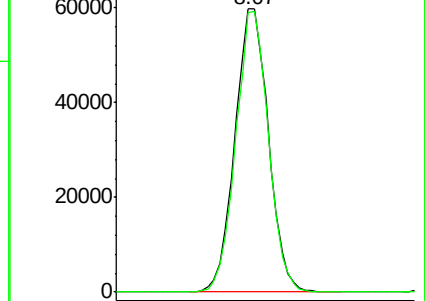
117 100

119 96.6 77.3 115.9

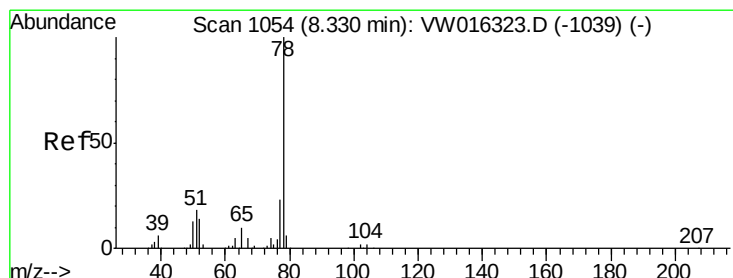
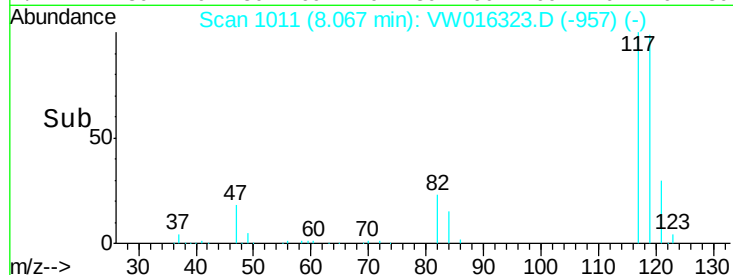


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 24.222 ug/L

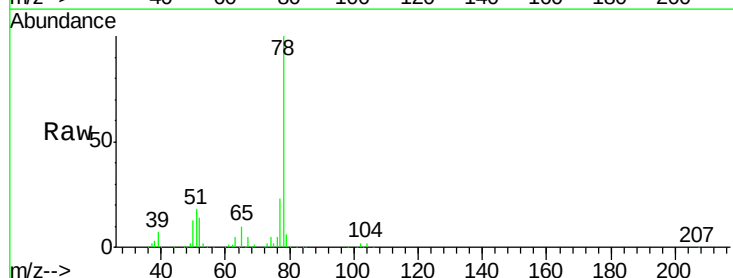
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Tgt Ion: 78 Resp: 379109



Abundance Ion 78.00 (77.70 to 78.70): VW

200000

150000

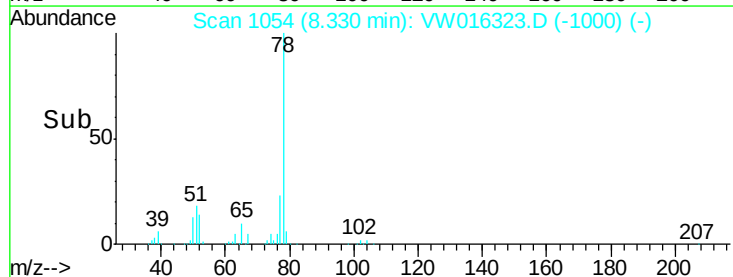
100000

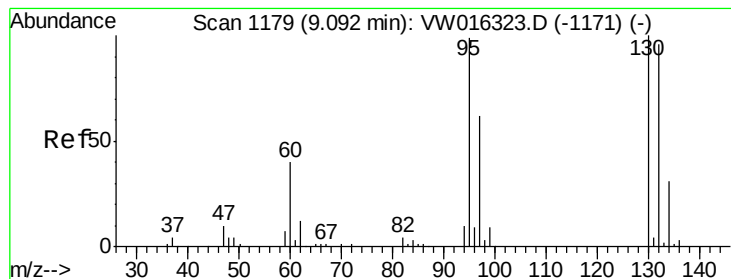
50000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 24.807 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

Tgt Ion: 95 Resp: 105474

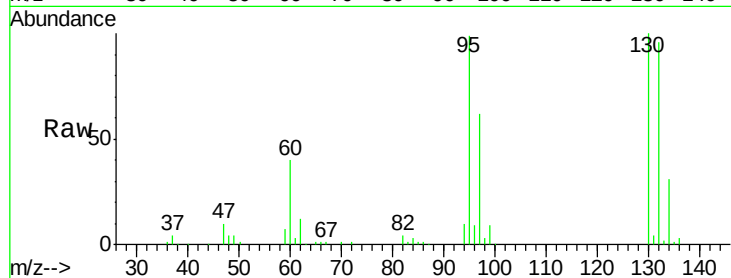
Ion Ratio Lower Upper

95 100

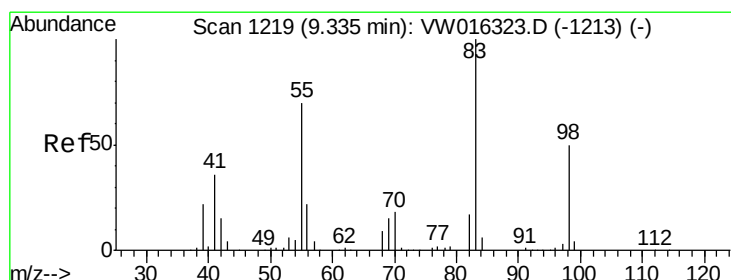
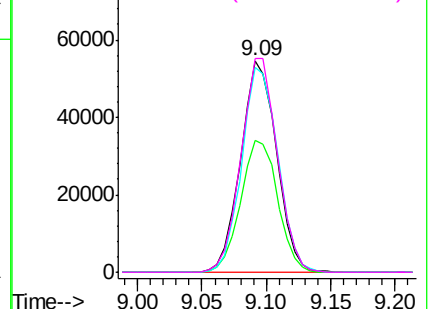
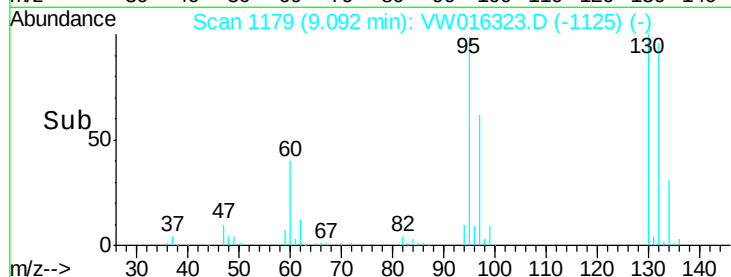
97 64.2 44.9 83.5

132 97.4 68.2 126.6

130 102.2 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: 25.226 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

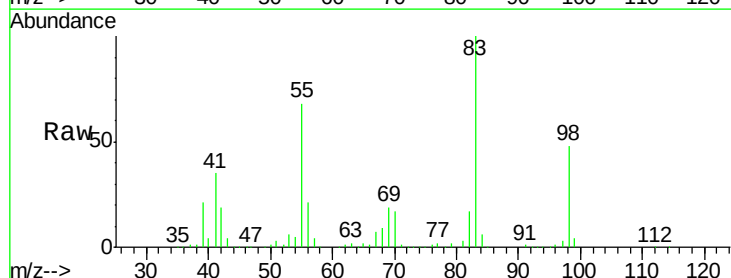
Tgt Ion: 83 Resp: 175877

Ion Ratio Lower Upper

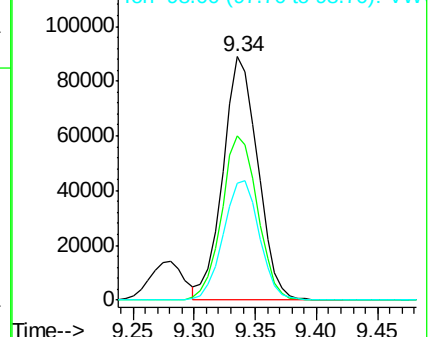
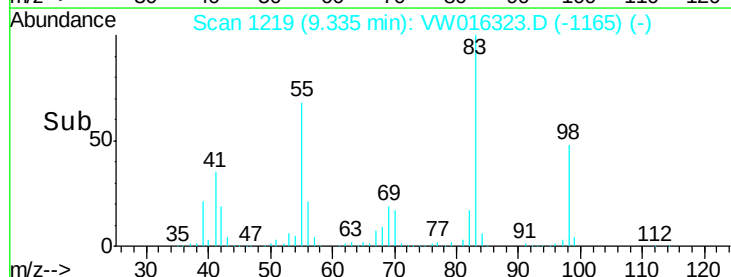
83 100

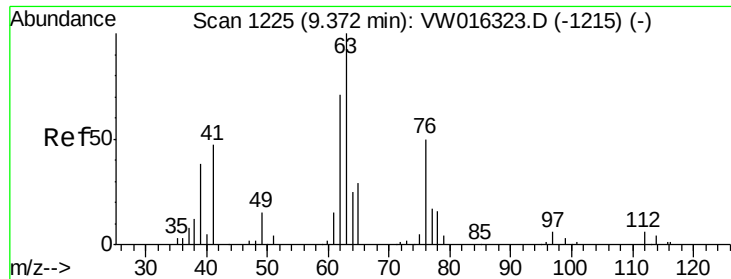
55 69.5 55.6 83.4

98 50.8 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

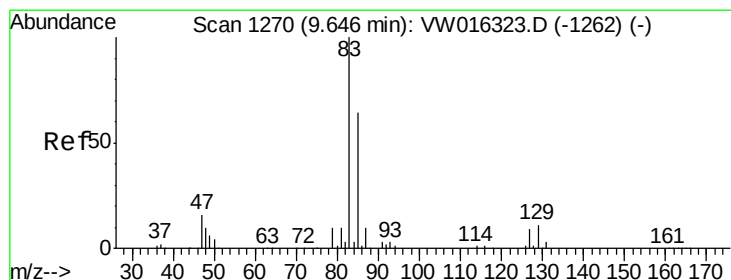
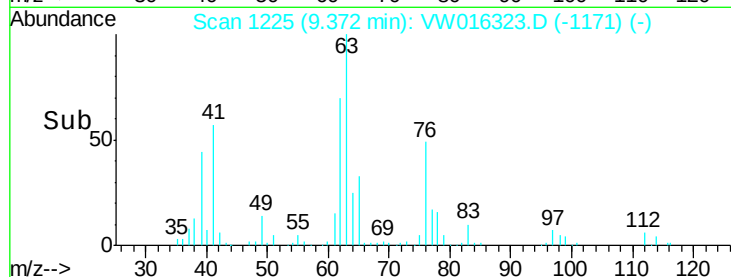
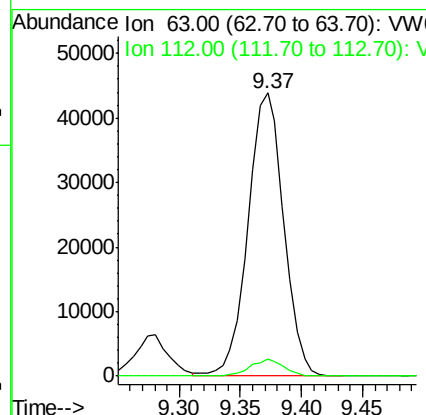
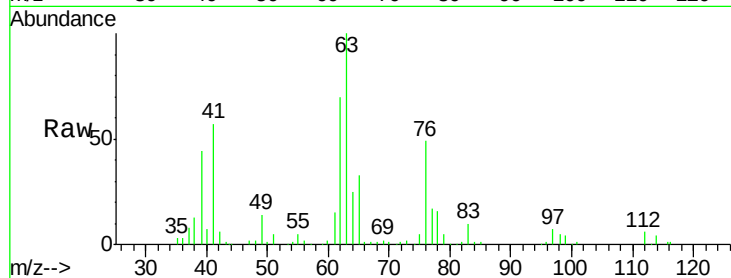




#40
 1,2-Dichloropropane
 Concen: 23.414 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016323.D
 Acq: 24 Aug 2020 11:24

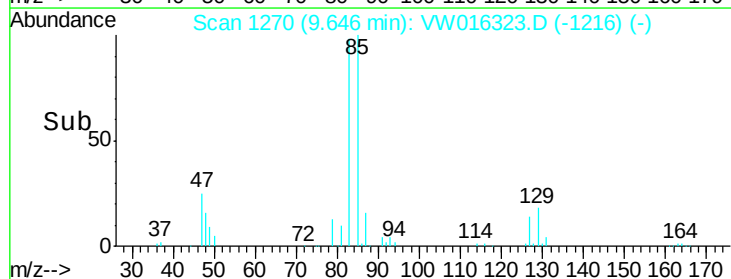
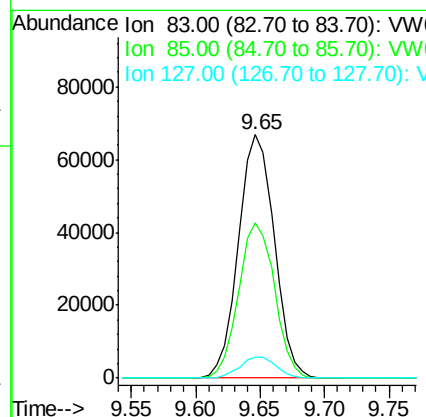
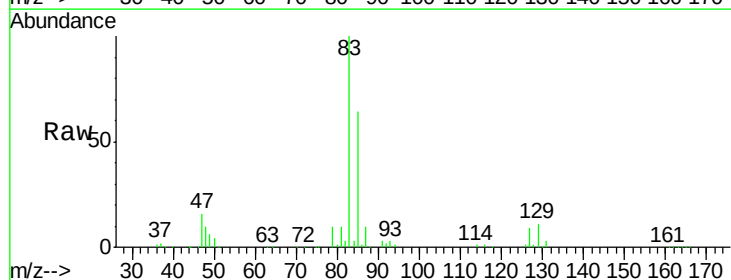
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

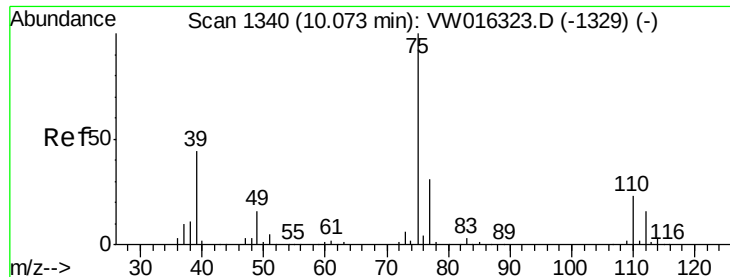
Tgt Ion: 63 Resp: 89057
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.4 6.6



#41
 Bromodichloromethane
 Concen: 24.375 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016323.D
 Acq: 24 Aug 2020 11:24

Tgt Ion: 83 Resp: 129164
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.7 83.1
 127 8.7 7.0 10.4





#42

cis-1,3-Dichloropropene

Concen: 25.535 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

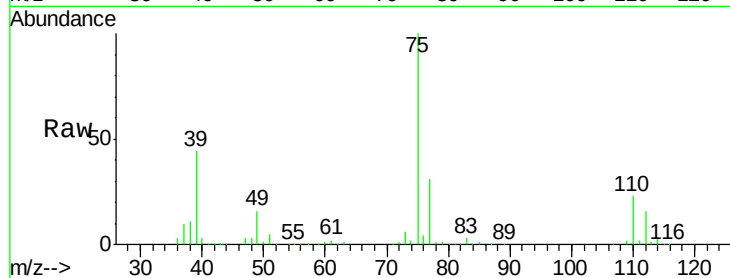
VSTD02504

Tgt Ion: 75 Resp: 150672

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

80000

60000

40000

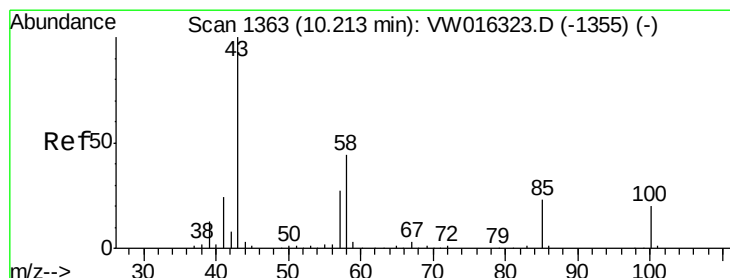
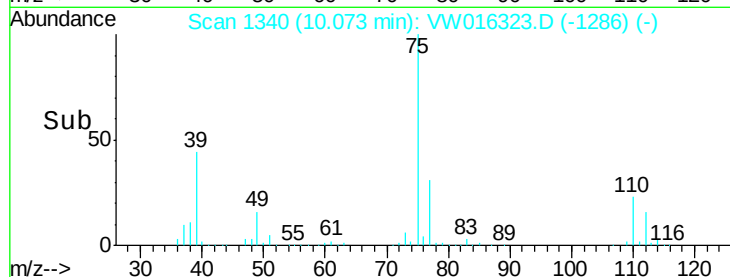
20000

0

Time-->

10.00

10.10



#43

4-Methyl-2-pentanone

Concen: 47.503 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

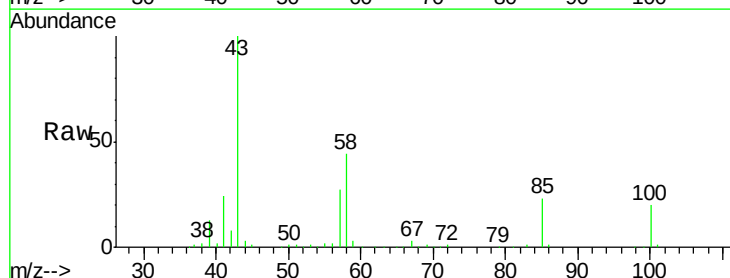
Tgt Ion: 43 Resp: 109075

Ion Ratio Lower Upper

43 100

58 43.6 34.9 52.3

100 19.9 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

200000

150000

100000

50000

0

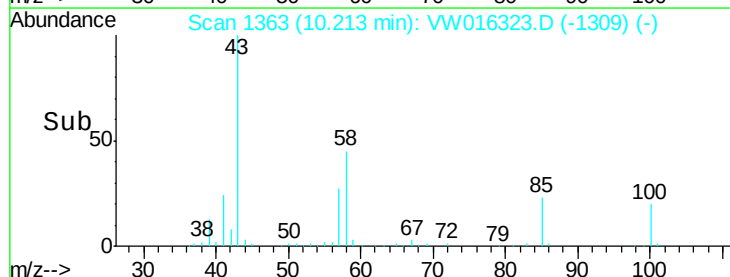
Time-->

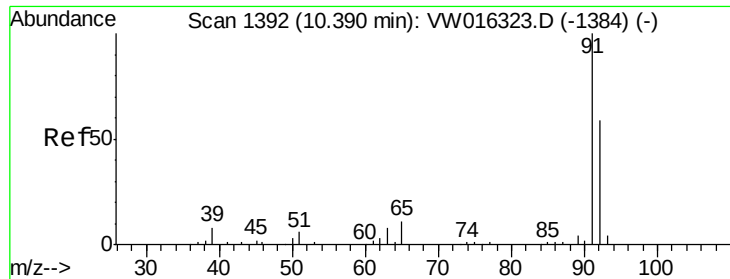
10.15

10.20

10.25

10.30





#44

Toluene

Concen: 25.220 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

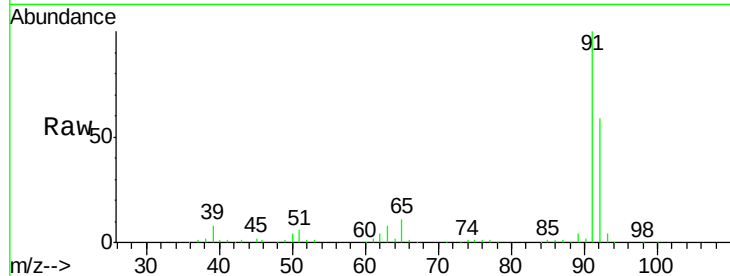
VSTD02504

Tgt Ion: 91 Resp: 418490

Ion Ratio Lower Upper

91 100

92 59.3 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

250000

200000

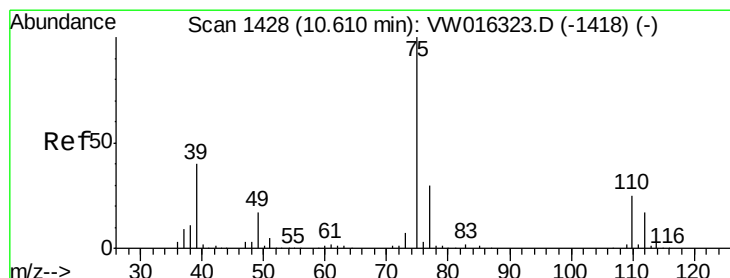
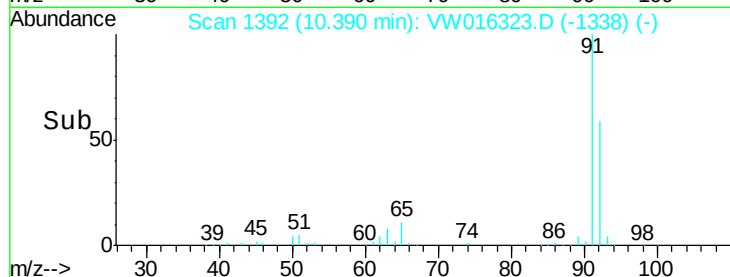
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.604 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016323.D

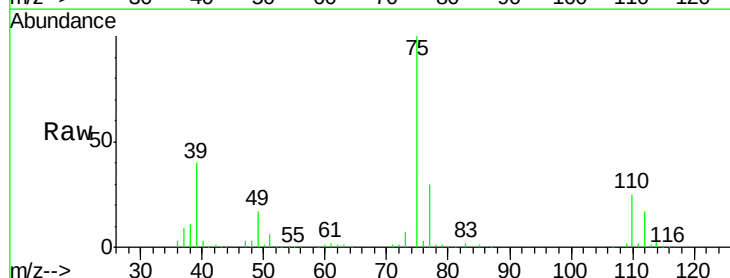
Acq: 24 Aug 2020 11:24

Tgt Ion: 75 Resp: 135766

Ion Ratio Lower Upper

75 100

77 30.4 21.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

80000

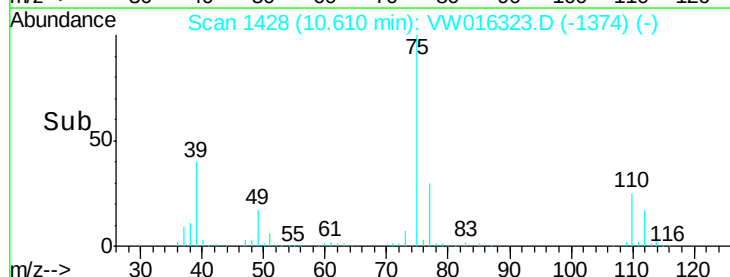
60000

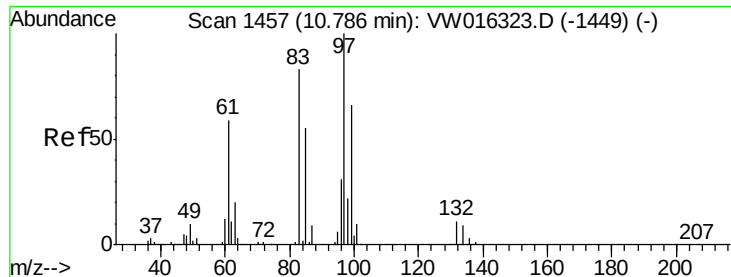
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 24.582 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

Tgt Ion: 97 Resp: 74973

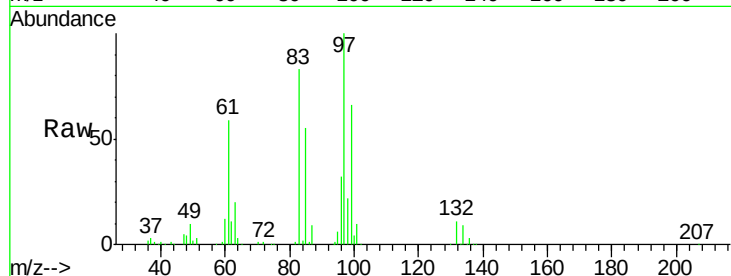
Ion Ratio Lower Upper

97 100

83 82.7 57.9 107.5

85 55.4 38.8 72.0

99 66.3 46.4 86.2



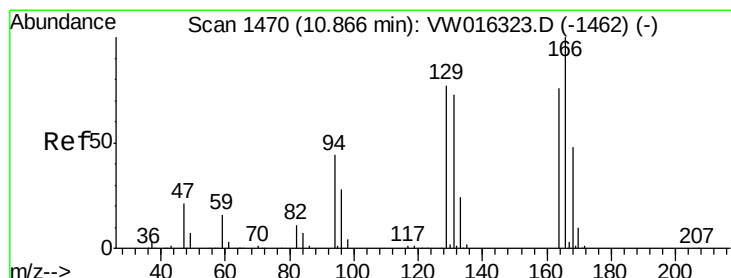
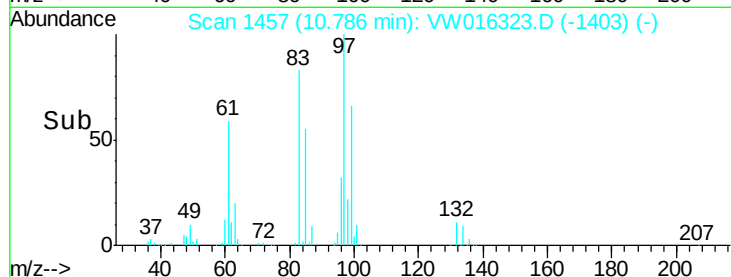
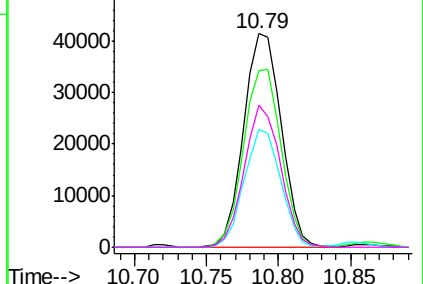
Abundance

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: 26.027 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Tgt Ion: 164 Resp: 83926

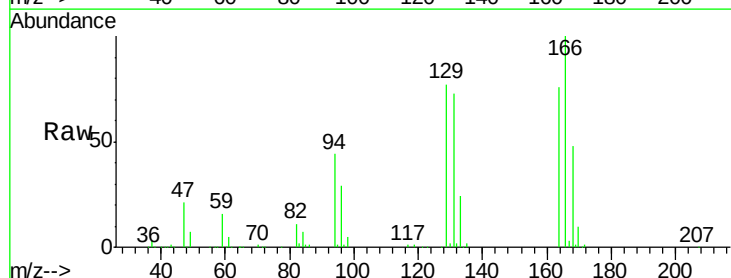
Ion Ratio Lower Upper

164 100

129 102.1 71.5 132.7

131 96.3 67.4 125.2

166 132.2 92.5 171.9



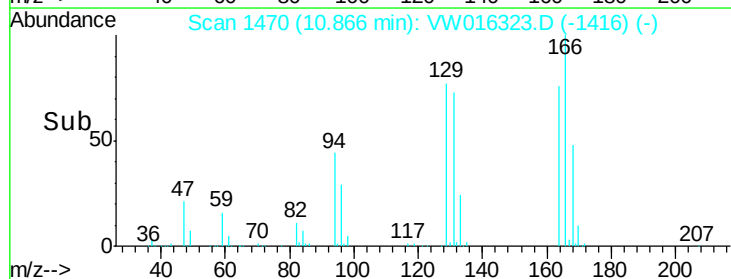
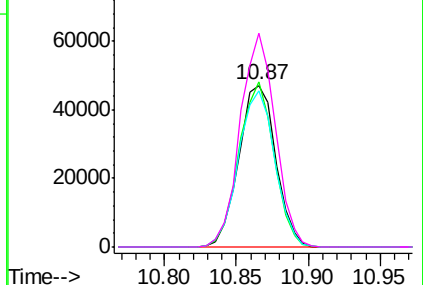
Abundance

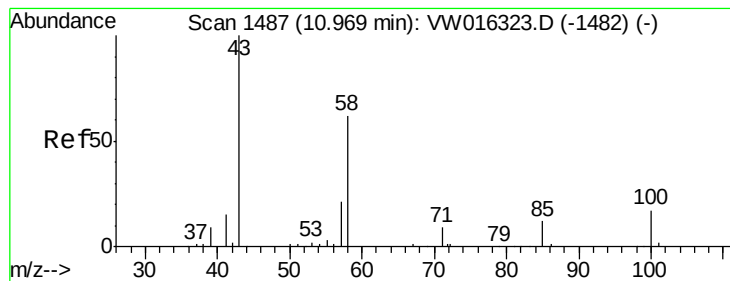
Ion 164.00 (163.70 to 164.70): V

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: 47.380 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

Tgt Ion: 43 Resp: 72800

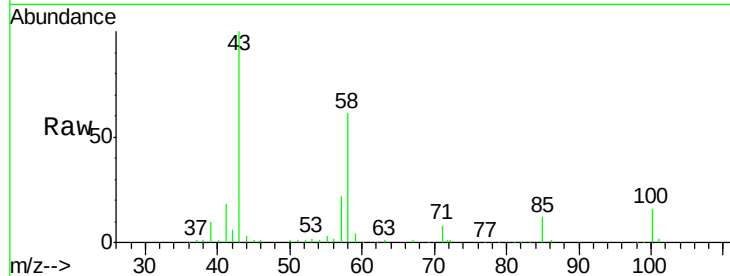
Ion Ratio Lower Upper

43 100

58 61.9 49.5 74.3

57 22.1 17.7 26.5

100 16.1 12.9 19.3

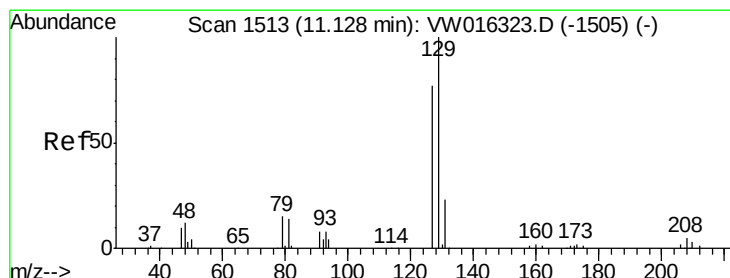
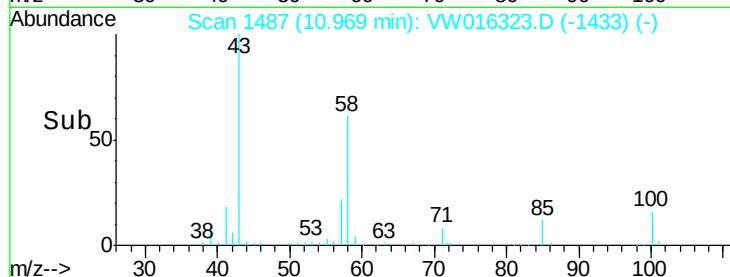
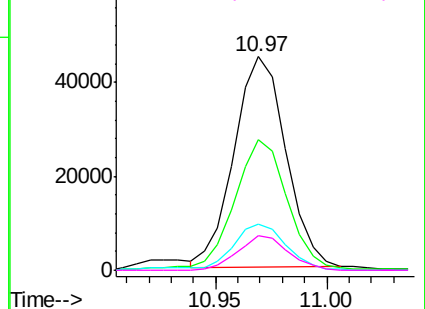


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 25.847 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW016323.D

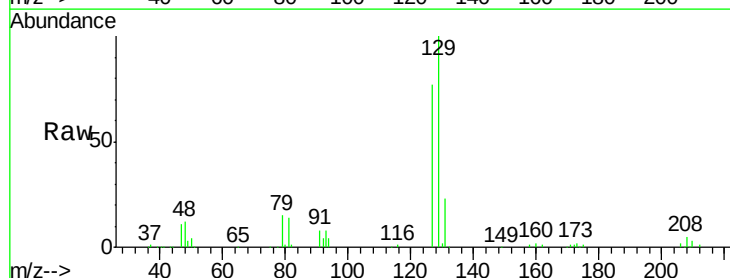
Acq: 24 Aug 2020 11:24

Tgt Ion: 129 Resp: 94111

Ion Ratio Lower Upper

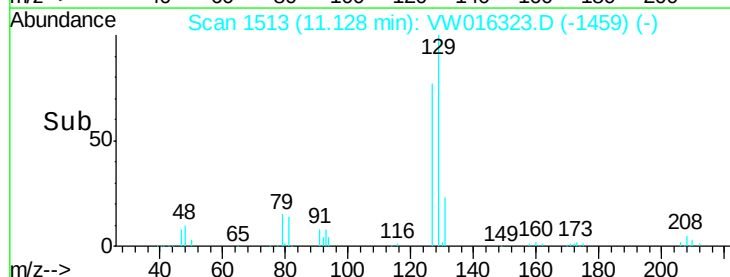
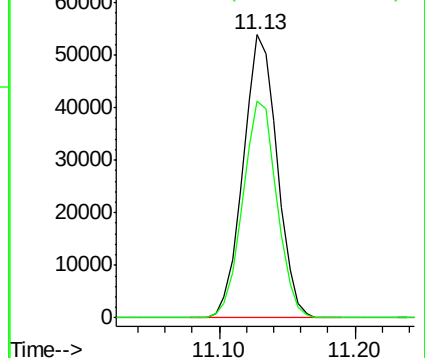
129 100

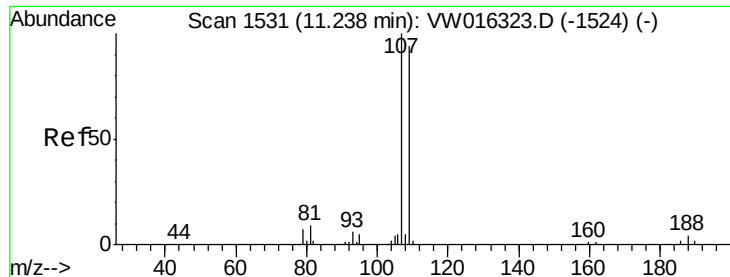
127 76.8 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

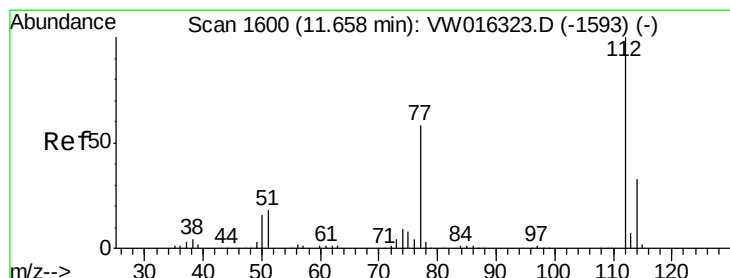
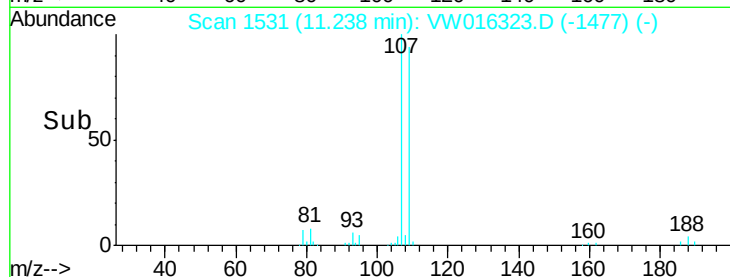
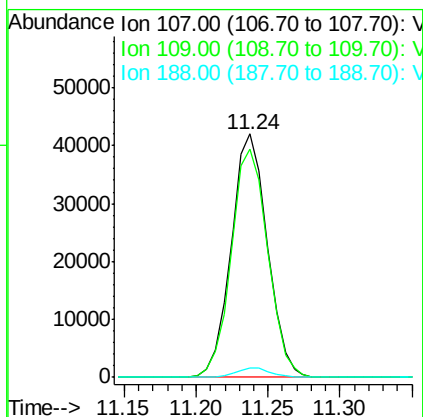
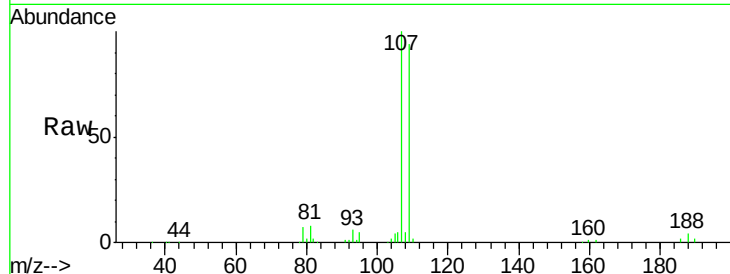




#51
 1,2-Dibromoethane
 Concen: 25.328 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016323.D
 Acq: 24 Aug 2020 11:24

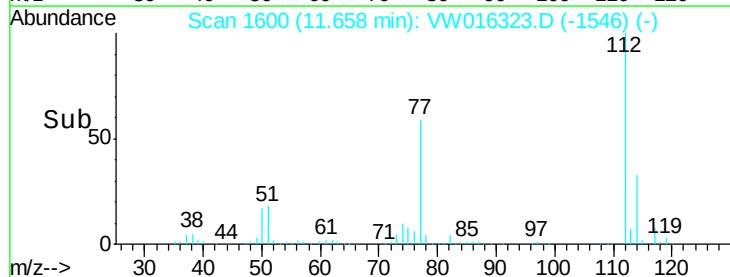
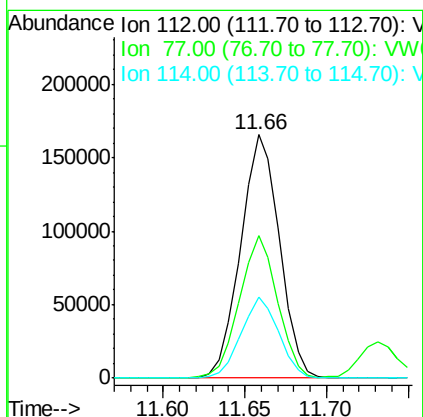
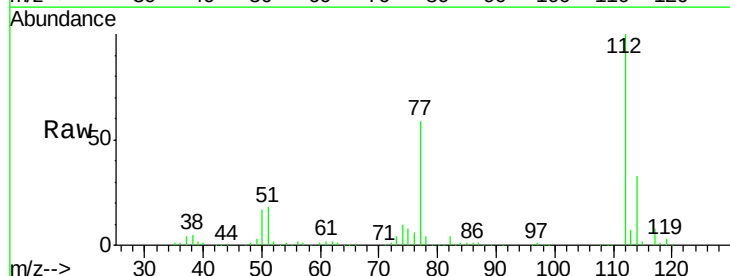
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

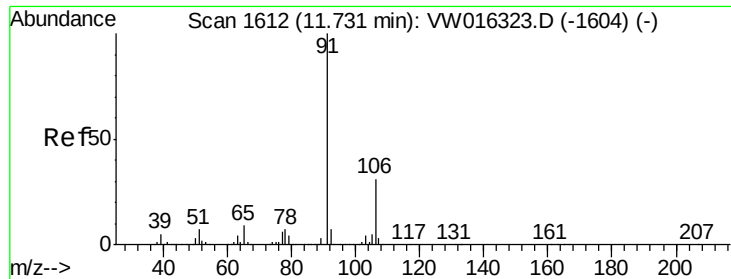
Tgt Ion:107 Resp: 73583
 Ion Ratio Lower Upper
 107 100
 109 93.8 65.7 121.9
 188 4.1 3.3 4.9



#52
 Chlorobenzene
 Concen: 24.876 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016323.D
 Acq: 24 Aug 2020 11:24

Tgt Ion:112 Resp: 274968
 Ion Ratio Lower Upper
 112 100
 77 58.6 46.9 70.3
 114 33.3 23.3 43.3

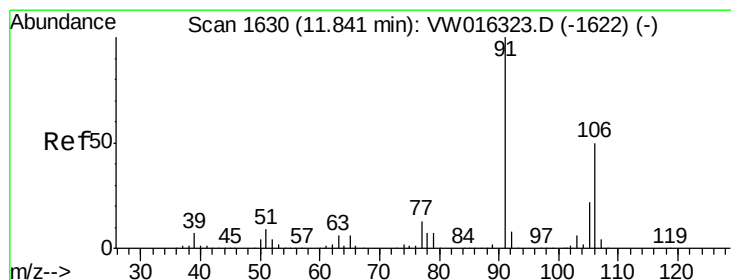
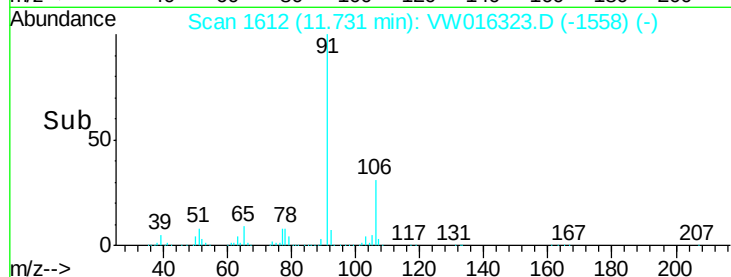
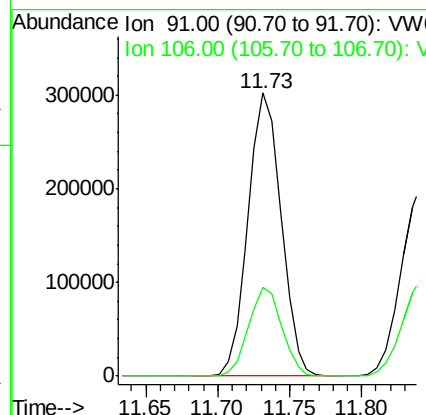
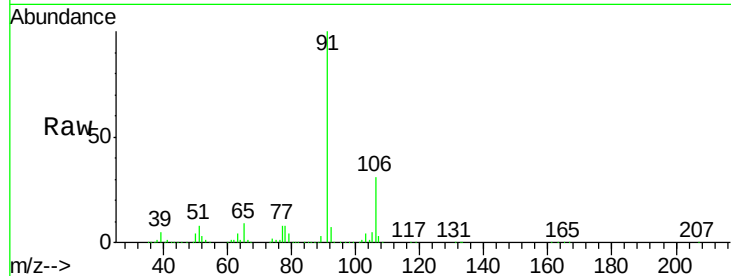




#53
Ethylbenzene
Concen: 25.560 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016323.D
Acq: 24 Aug 2020 11:24

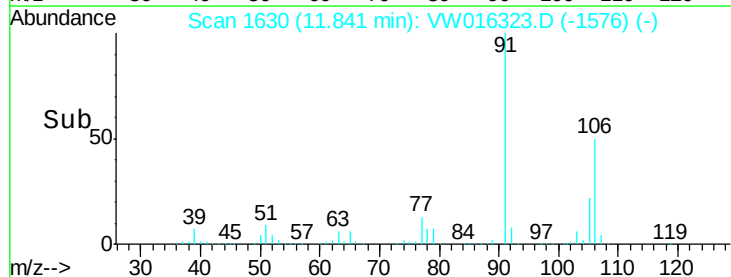
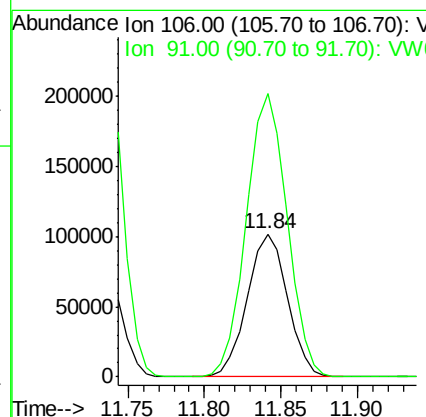
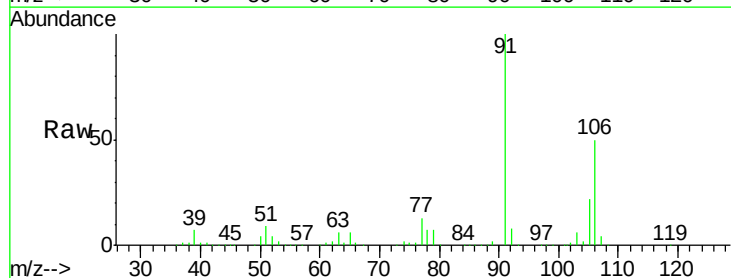
Instrument :
MSVOA_W
ClientSampleId :
VSTD02504

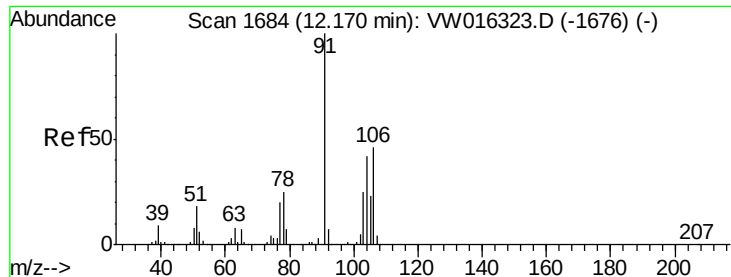
Tgt Ion: 91 Resp: 482277
Ion Ratio Lower Upper
91 100
106 31.5 22.0 41.0



#54
m,p-Xylene
Concen: 26.060 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016323.D
Acq: 24 Aug 2020 11:24

Tgt Ion: 106 Resp: 186020
Ion Ratio Lower Upper
106 100
91 198.3 138.8 257.8





#55

o-xylene

Concen: 26.134 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

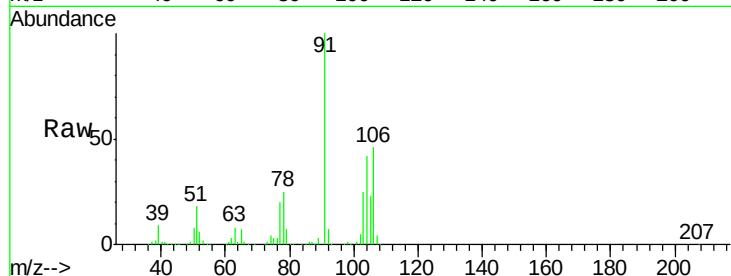
VSTD02504

Tgt Ion:106 Resp: 175001

Ion Ratio Lower Upper

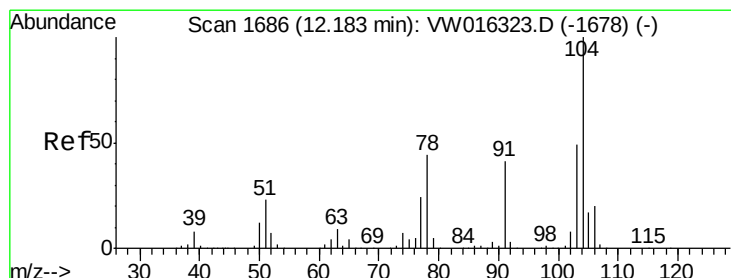
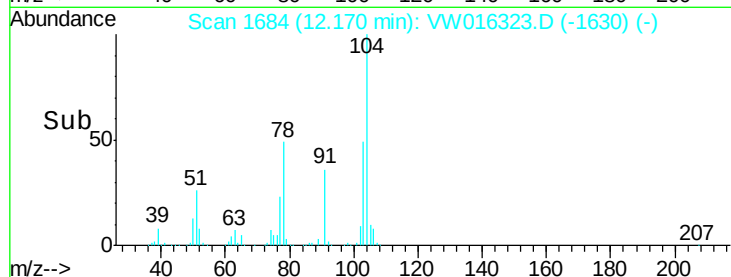
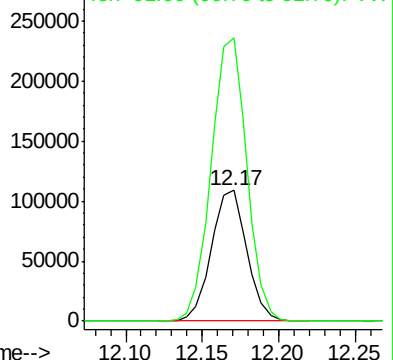
106 100

91 216.2 151.3 281.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.161 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016323.D

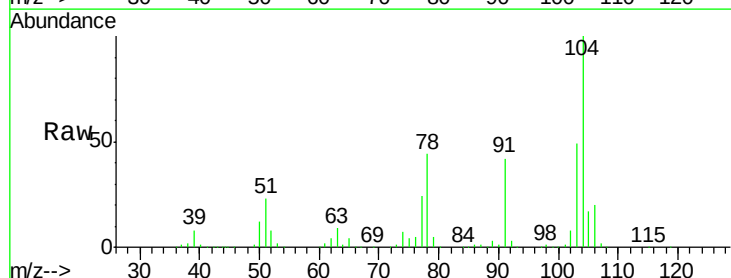
Acq: 24 Aug 2020 11:24

Tgt Ion:104 Resp: 302580

Ion Ratio Lower Upper

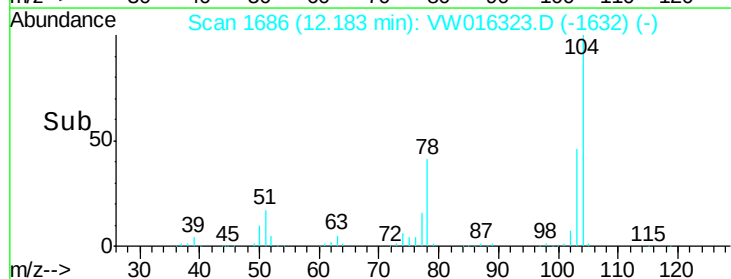
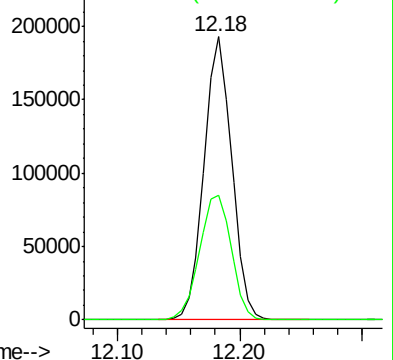
104 100

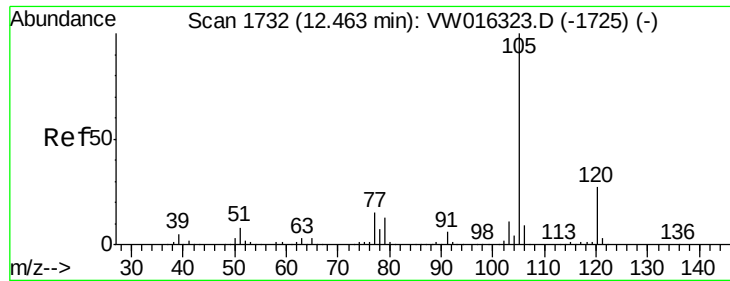
78 44.2 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.763 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

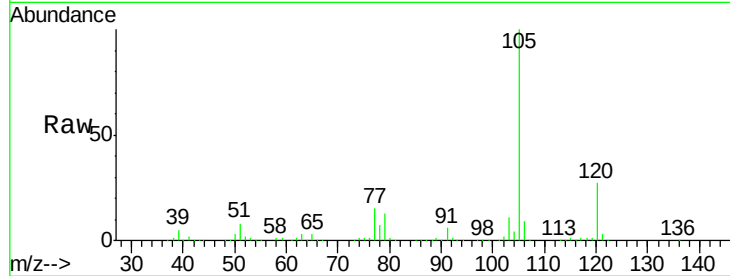
Tgt Ion: 105 Resp: 486249

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

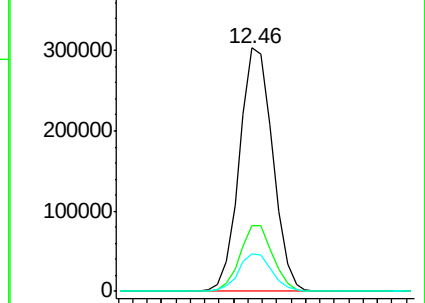
77 15.3 12.2 18.4



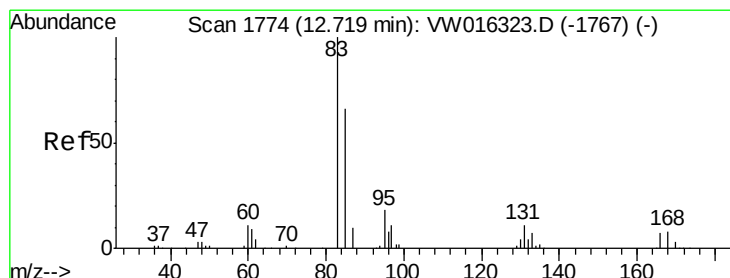
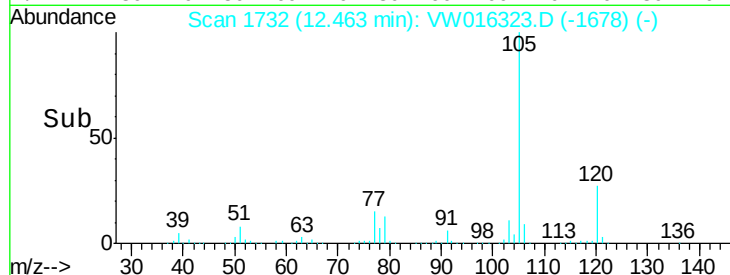
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 24.948 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

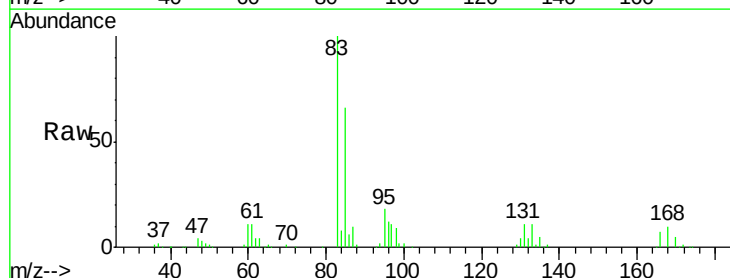
Tgt Ion: 83 Resp: 88862

Ion Ratio Lower Upper

83 100

85 65.7 46.0 85.4

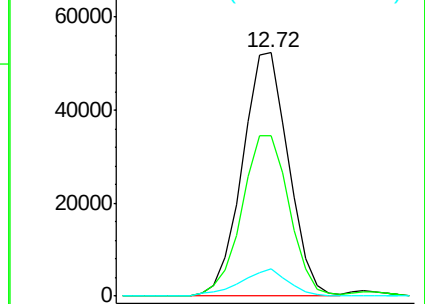
131 11.0 8.8 13.2



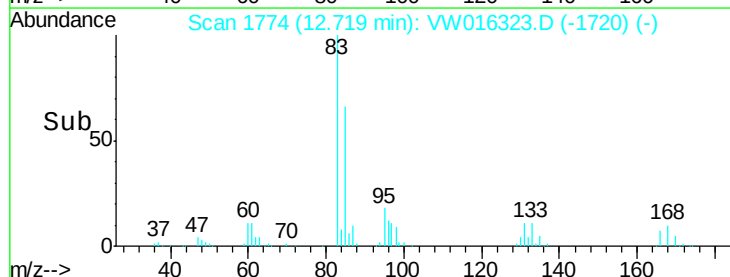
Abundance Ion 83.00 (82.70 to 83.70): VW

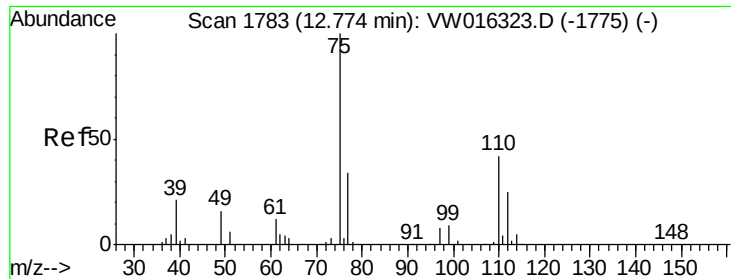
Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V



Time-->

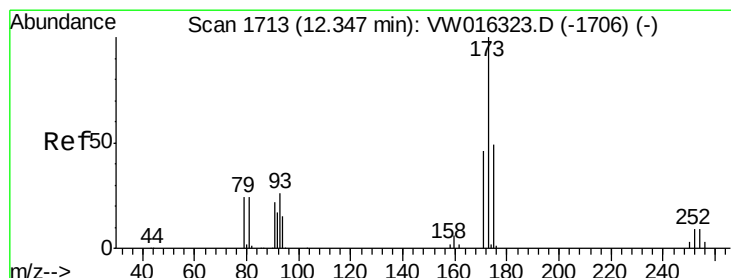
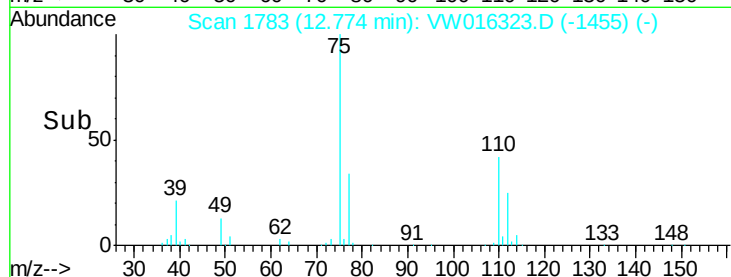
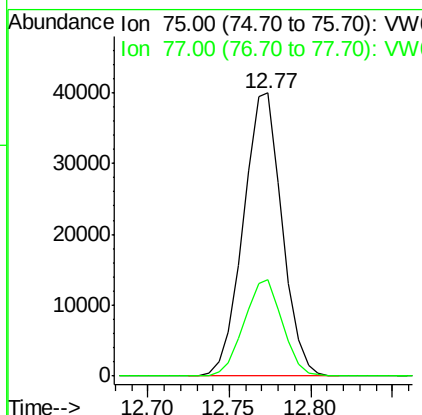
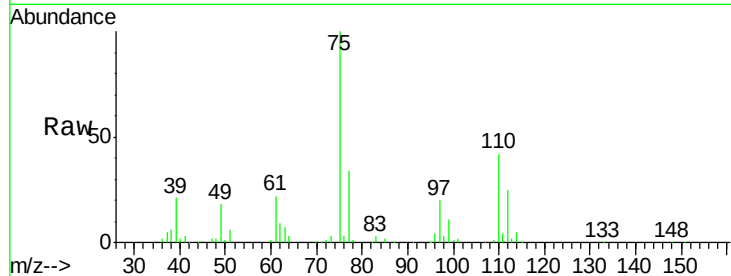




#59
 1,2,3-Trichloropropane
 Concen: 24.536 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW016323.D
 Acq: 24 Aug 2020 11:24

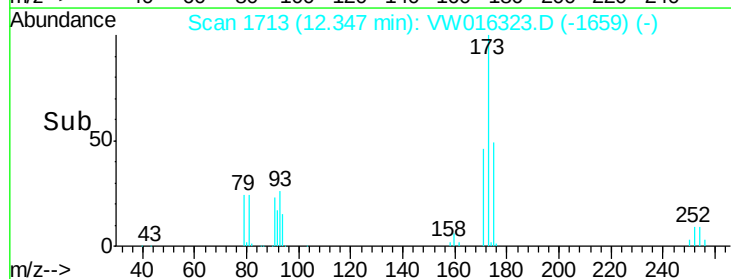
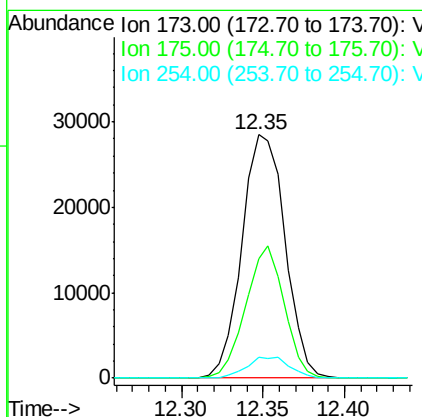
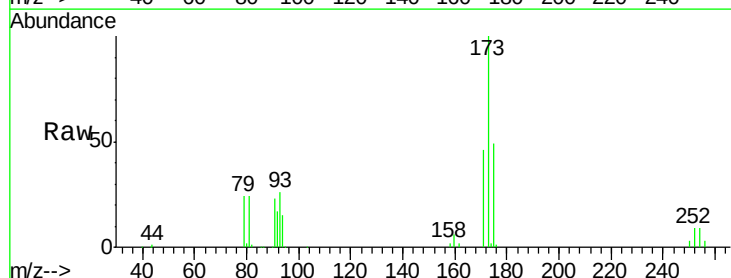
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

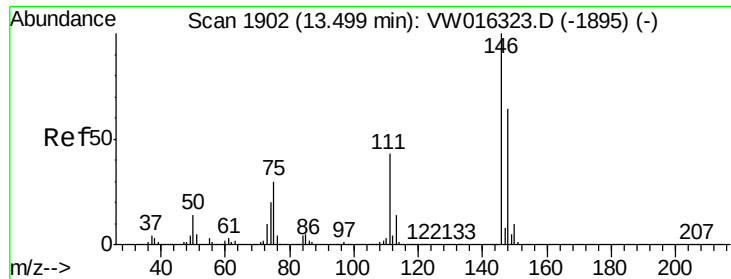
Tgt Ion: 75 Resp: 65927
 Ion Ratio Lower Upper
 75 100
 77 33.9 27.1 40.7



#62
 Bromoform
 Concen: 25.665 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW016323.D
 Acq: 24 Aug 2020 11:24

Tgt Ion: 173 Resp: 52537
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.0 58.4
 254 8.6 6.9 10.3

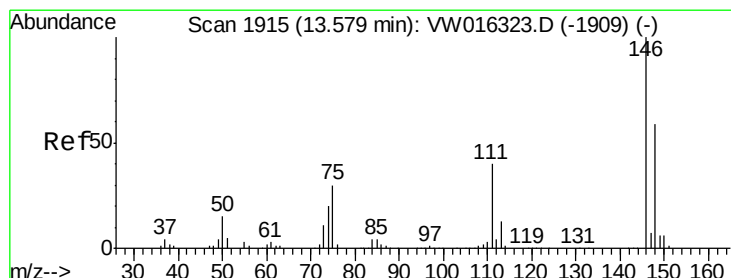
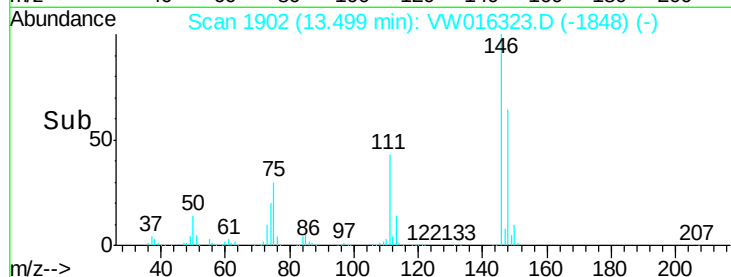
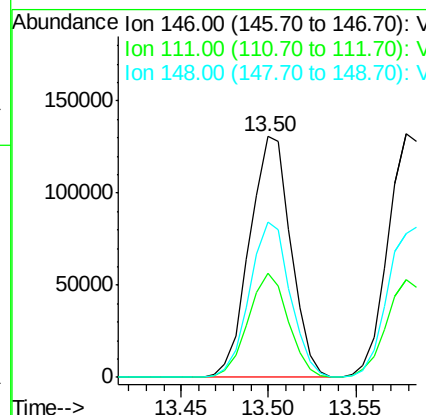
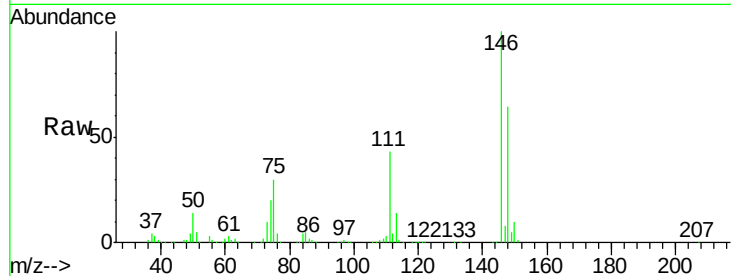




#63
 1,3-Dichlorobenzene
 Concen: 25.373 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016323.D
 Acq: 24 Aug 2020 11:24

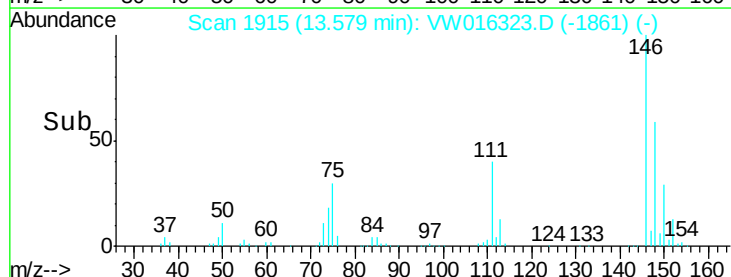
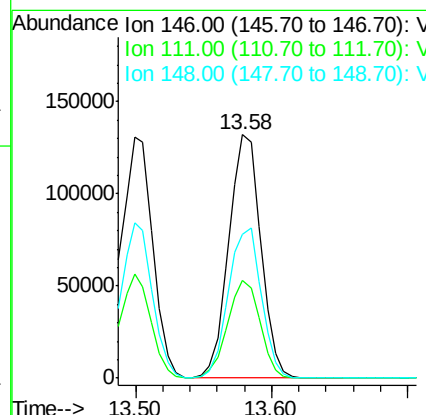
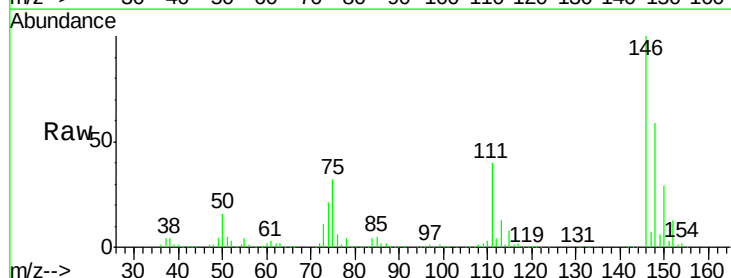
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

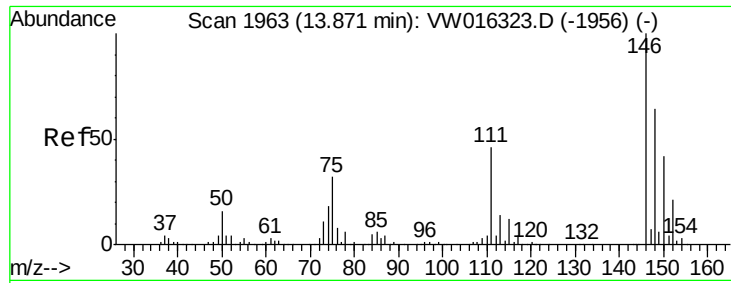
Tgt Ion:146 Resp: 214669
 Ion Ratio Lower Upper
 146 100
 111 43.2 30.2 56.2
 148 64.4 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 24.976 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016323.D
 Acq: 24 Aug 2020 11:24

Tgt Ion:146 Resp: 216617
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.0 52.0
 148 59.1 41.4 76.8





#65

1,2-Dichlorobenzene

Concen: 25.056 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

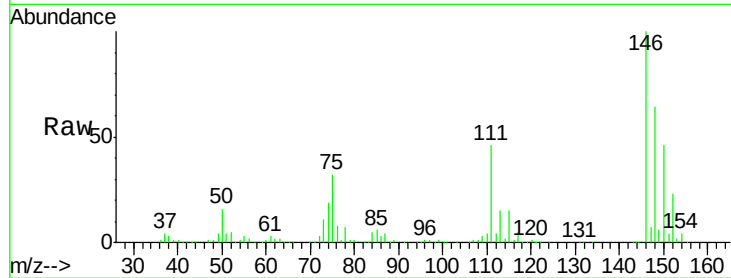
Tgt Ion:146 Resp: 193839

Ion Ratio Lower Upper

146 100

111 46.1 36.9 55.3

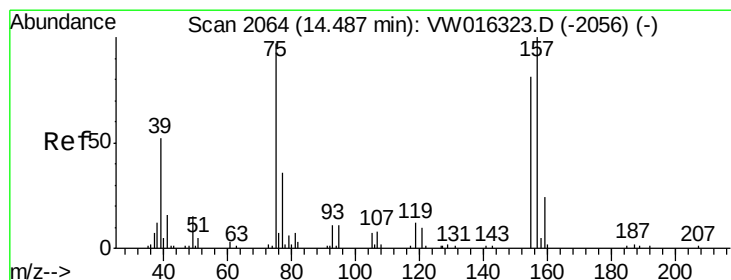
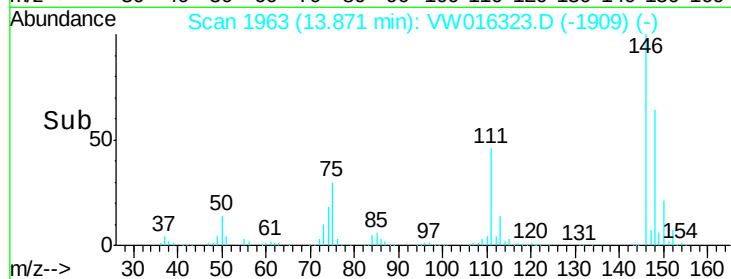
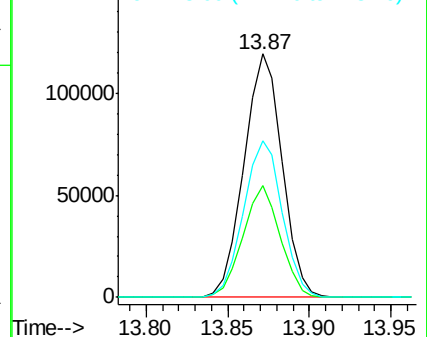
148 64.3 51.4 77.2



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: 23.280 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

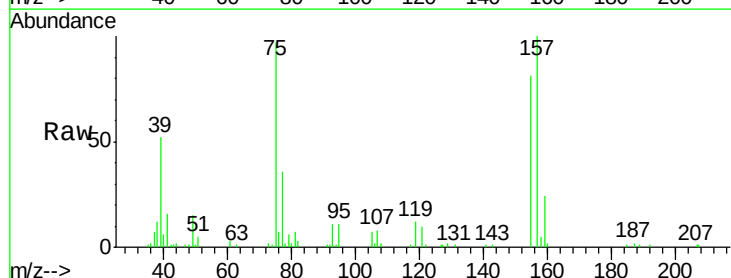
Tgt Ion: 75 Resp: 15708

Ion Ratio Lower Upper

75 100

157 102.8 82.2 123.4

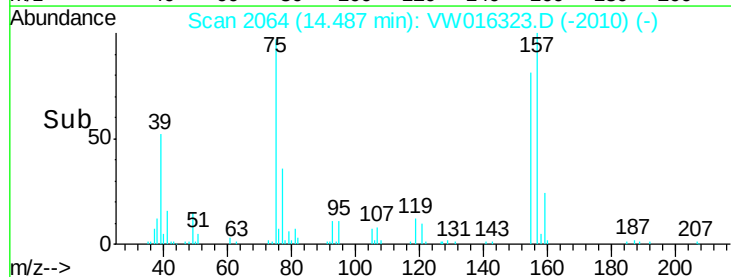
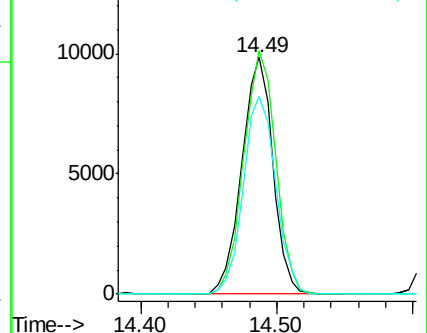
155 83.5 66.8 100.2

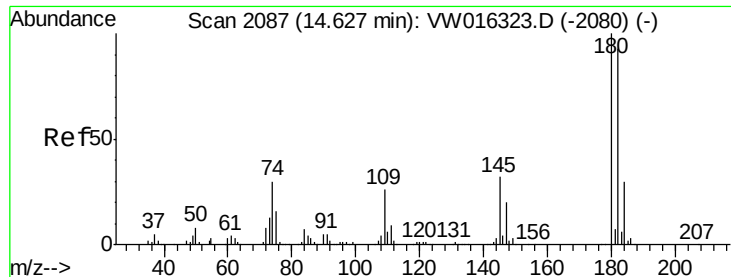


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

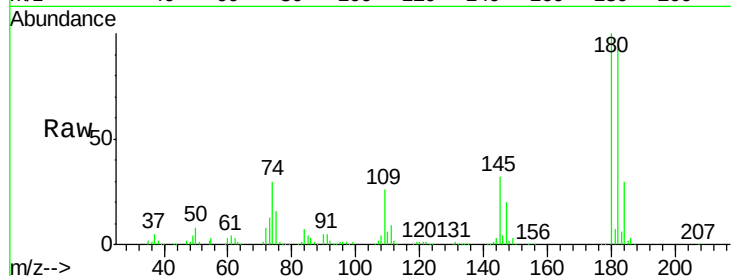




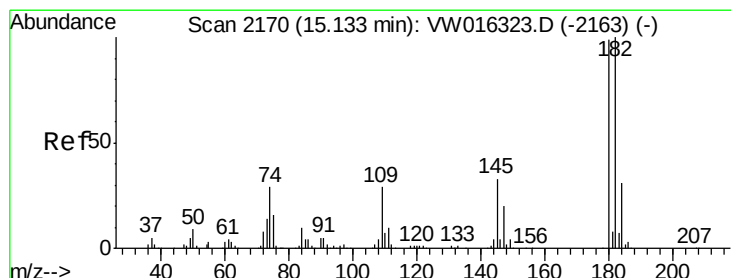
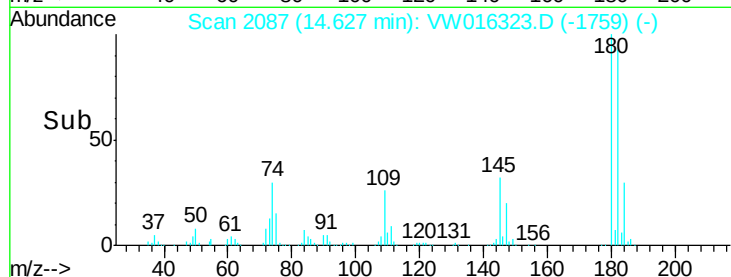
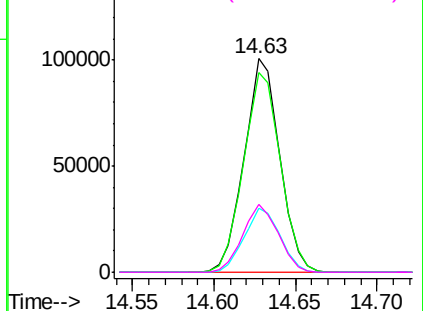
#67
 1,3,5-Trichlorobenzene
 Concen: 27.873 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016323.D
 Acq: 24 Aug 2020 11:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

Tgt Ion:	180	Resp:	152990
Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.4	116.2
184	30.5	24.4	36.6
145	32.0	25.6	38.4

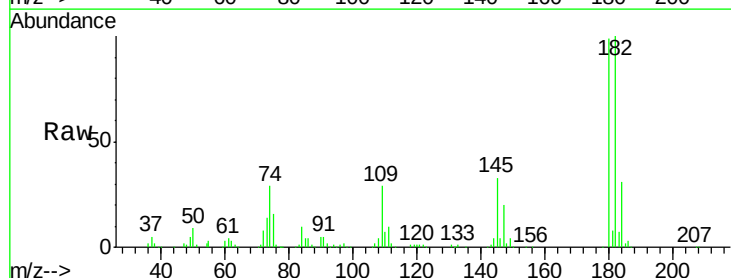


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

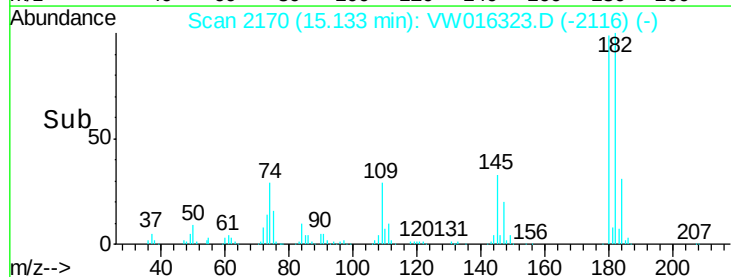
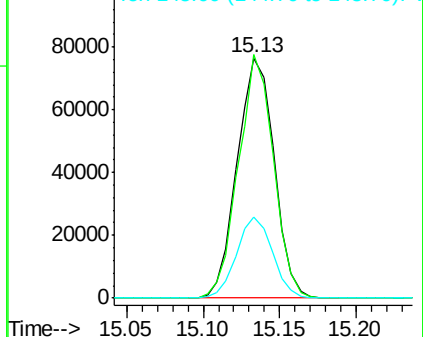


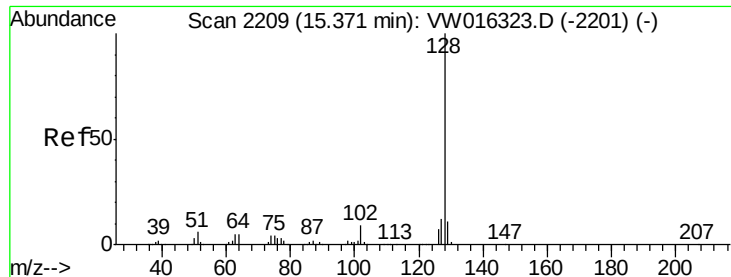
#68
 1,2,4-trichlorobenzene
 Concen: 28.825 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016323.D
 Acq: 24 Aug 2020 11:24

Tgt Ion:	180	Resp:	128826
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
145	32.5	26.0	39.0



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





#69

Naphthalene

Concen: 28.574 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

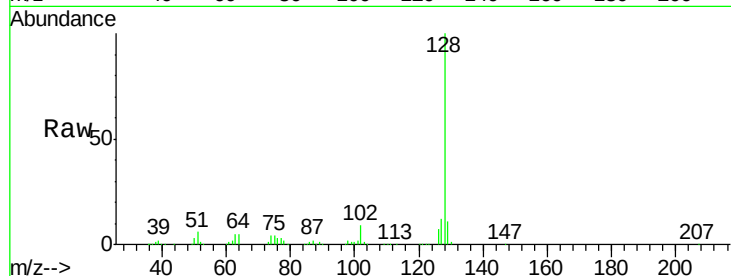
Tgt Ion:128 Resp: 266360

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

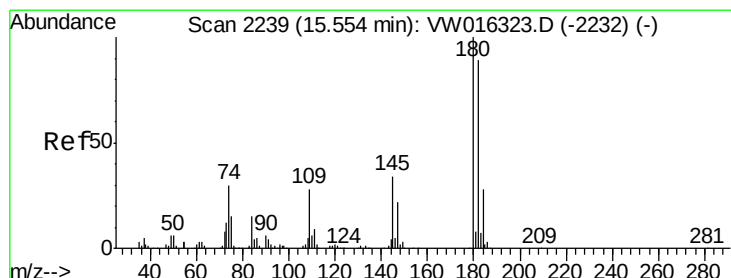
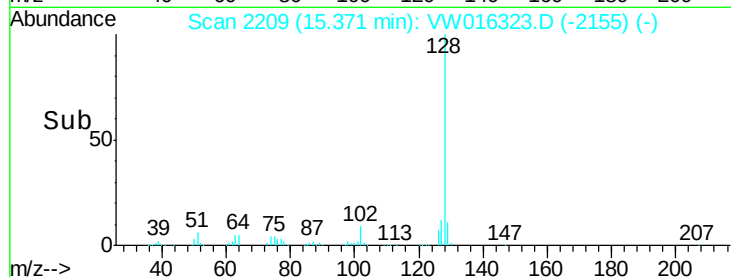
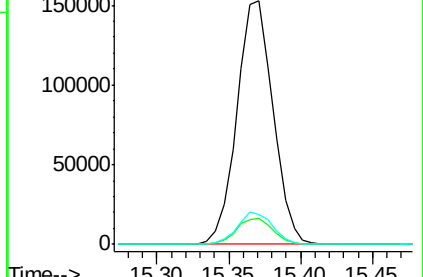
127 12.9 10.3 15.5



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: 28.048 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW016323.D

Acq: 24 Aug 2020 11:24

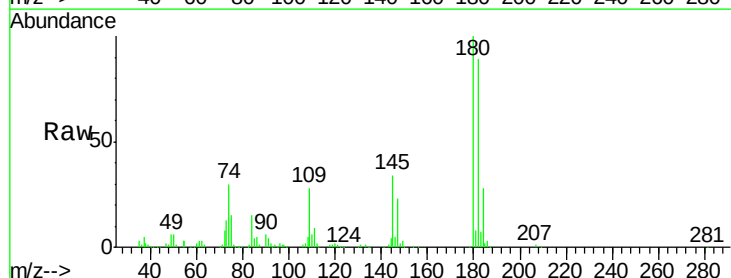
Tgt Ion:180 Resp: 112355

Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

145 35.7 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

